RESIDENCES AT OAK GLEN CREEK SPECIFIC PLAN DEVELOPMENT

INITIAL STUDY / MITIGATED NEGATIVE DECLARATION (IS/MND)

September 2025

City of Yucaipa

Development Services Department

34272 Yucaipa Boulevard

Yucaipa, CA 92399

Prepared by:

Ruth Villalobos & Associates, Inc

CITY OF YUCAIPA
INITIAL STUDY

ENVIRONMENTAL CHECKLIST FORM

1. Project Title: Residences at Oak Glen Creek Specific Plan Development (Case No. 23-105 GPA/SP/TTM)

2. Lead Agency Name and Address: City of Yucaipa, 34272 Yucaipa Blvd., Yucaipa, CA 92399

3. Contact Person and Phone Number: Benjamin J. Matlock, (909) 797-2489 ext. 261

4. Project Location: The Project area encompasses approximately 18 acres in the City of Yucaipa, San Bernardino County. The Project site is a triangular-shaped area located at the northeast corner of the intersection of Oak Glen Road and Bryant Street in the City of Yucaipa, Assessor Parcel Numbers (APNs): 0303-051-44, -45, and -64. The Wilson Creek channel is adjacent to the Project's western and northern boundary. The Project is located in Township 1 South, Range 2 West, Section 25 of the United States Geological Survey (USGS) Yucaipa 7.5-minute quadrangle (San Bernardino Base Meridian).

5. Project Sponsor's Name and Address: Blue Engineering and Consulting Inc., 9320 Baseline Road, Rancho Cucamonga, CA 91701

6. General Plan Designation: Neighborhood Commercial (CN)

7. Description of the Project: The proposed Project includes a General Plan Amendment, (GPA), Specific Plan (SP), and a Tentative Tract Map (TTM 20649) for a gated single family townhome development, which would consist of 145 two-story residential units and 8,000 square feet of retail use development or, if there is not sufficient demand for the retail, the project would consist of a total of 153 two-story residential units. The proposed General Plan Amendment would facilitate the Residences of Oak Glen Creek Specific Plan in amending the current General Plan Land Use Designation from Neighborhood Commercial (CN) to Specific Plan (SP).

8. Surrounding Land Uses and Setting: Mobile home park and single family residential to the north, vacant, water recharge basins and single family residential to the east (across Bryant Street), commercial and institutional (church and school) to the south, and vacant and park to the west.

9. Other public agencies whose approval is or may be required (e.g. permits, financing approval, or participation agreement):
    - Development Agreement with Yucaipa Valley Water District

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INTRODUCTION

This section explains the background and purpose of this Mitigated Negative Declaration (MND), which is the environmental review document prepared pursuant to the provisions of the California Environmental Quality Act (CEQA) for a planned residential and commercial development northwest of Bryant Street and Oak Glen Road, but with the option for only residential development should market conditions impact the viability of the proposed commercial area. The commercial area of the proposed Project would not alter the current land use limitations of the Neighborhood Commercial (CN) and would result in 8,000 square feet of commercial space and 145 townhome units. The project would also provide up to 632 parking spaces for residents and guests.

It establishes the context and scope for the MND and outlines the process for reviewing the Draft MND and issuing the Final MND. The City of Yucaipa is the lead agency under CEQA. A "lead agency" is defined by Section 21067 of CEQA as "the public agency which has the principal responsibility for carrying out or approving a project which may have a significant effect upon the environment."

ENVIRONMENTAL REVIEW PROCESS

This IS and Notice of Intent (NOI) to adopt a MND is being circulated for agency and public review and comment for 20 days beginning Friday, September 26, 2025. All written comments must be received by 5:30 p.m. Thursday October 16, 2025. Written comments or questions concerning this document should be directed to:

City of Yucaipa
ATTN: Benjamin J. Matlock
Deputy Director of Community Development/City Planner
City of Yucaipa
bmatlock@yucaipa.gov
909-797-2489 Ext. 261
34272 Yucaipa Boulevard
Yucaipa, CA 92399

DETAILED PROJECT DESCRIPTION

Project and Location Setting

The proposed Project site is located on 3 (three) vacant parcels that total 17.46 acres at the northwest corner of the intersection of Bryant Street and Oak Glen Road (APNs 0303-051-44, -45, -64). There are residential structures to the north and northwest, commercial buildings to the south and southeast, and vacant lots directly to the east of the Project area. The proposed Project includes a General Plan Amendment (GPA), Specific Plan (SP), and a Tentative Tract Map (TTM 20649) for a gated 145-unit, two-story townhome residential development. The proposed General Plan Amendment would facilitate the Residences of Oak Glen Creek Specific Plan in amending the current General Plan Land Use Designation from Neighborhood Commercial (CN) to Specific Plan (SP). The proposed residential Project would consist of 145 detached single-family townhome units and 8,000 square feet (SF) of retail use, with an in-line fast-food restaurant without drive-through windows (i.e., Subway, Jersey Mike's subs). If the 8,000 square feet of retail use is not built, alternatively up to 8 more dwelling units are proposed and would be constructed in its place. The site would have two driveways along Oak Glen Road, and two along Bryant Street, for a total of four driveways/ access points. Amenities included in the proposed development include a pocket park (northern portion of site), main park (central portion of site), and dog park (southwestern portion of site). The Project would also provide up to 632 parking spaces for residents and guests.

Prior Site History

The proposed Project is located northwest of the intersection of Bryant Street and Oak Glen Road in the City of Yucaipa (City). The surrounding area has historically been the setting of agricultural use. The Project site topography consists of a relatively flat site within the historical braided arms of Wilson Creek, now channelized. According to Historic Aerial Imagery a prefabricated housing community was constructed north of the Project area sometime after 1969. Historical topographic maps show the area as undeveloped dating back to 1899. Historic aerials show the earliest disturbance of the Project area between 1969 and 1982 with grading efforts to create a grid pattern.

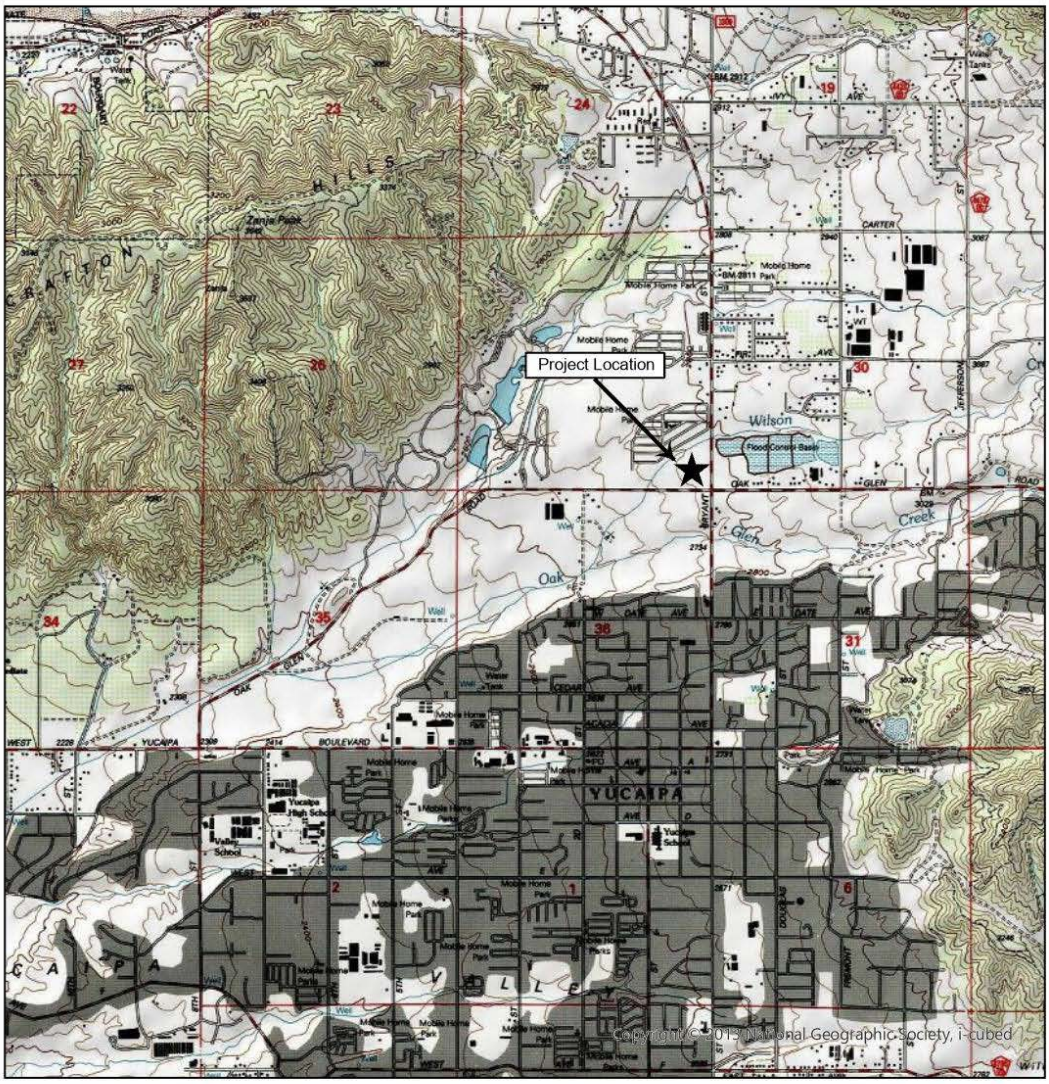


Oak Glen Townhomes

Regional Vicinity Map

RVA

Figure 1 – Regional Site Vicinity Map

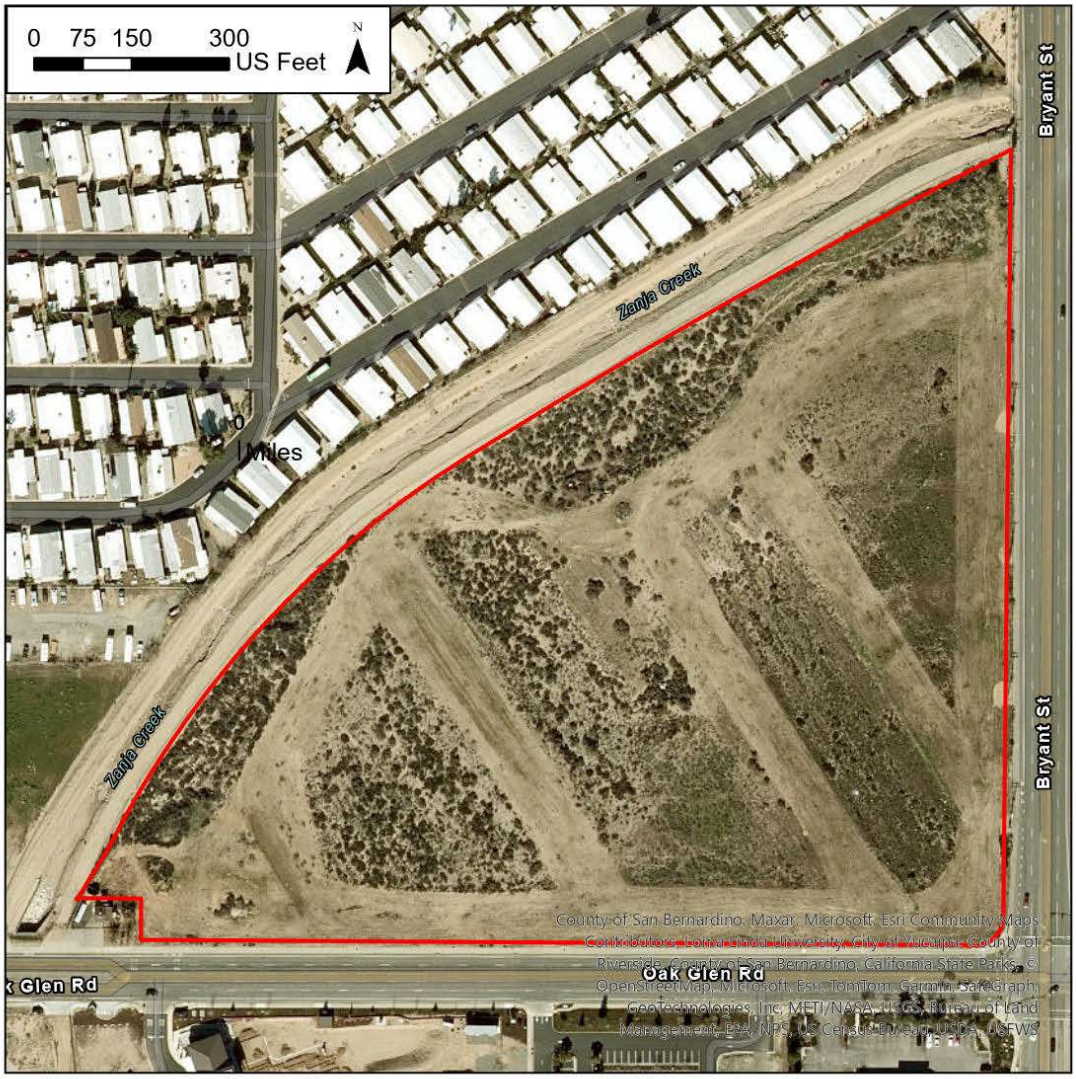


Oak Glen Townhomes

Site Vicinity Map

RVA

Figure 2 – Site Vicinity Map (USGS Topo)



Oak Glen Town Homes

Project Site

RVA

Figure 3 – Project Site Map

ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:

The environmental factors checked below (☒) would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist on the following pages.

	Aesthetics		Greenhouse Gases		Public Services
	Agricultural Resources		Hazards & Hazardous Materials		Recreation
	Air Quality		Hydrology/Water Quality		Transportation/Traffic
	Biological Resources		Land Use/Planning		Tribal Resources
	Cultural Resources		Mineral Resources		Utilities/Service Systems
	Energy		Noise		Wildfire
	Geology/Soils		Population/Housing		Mandatory Findings of Significance

DETERMINATION:
(To be completed by the Lead Agency)

On the basis of this initial evaluation:

I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.	
I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.	☒
I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.	
I find that the proposed project MAY have a "potential significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect (1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and (2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.	
I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.	

Signature — Sept 24, 2025 — Date

Benjamin Matlock — City of Yucaipa — For

Printed Name

1) All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.

2) A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g. the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards (e.g. the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).

3) Must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect may be significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an EIR is required.

4) "Negative Declaration: Potentially Significant Unless Mitigation Incorporated" applies where the incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less Significant Impact." The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less than significant level (mitigation measures from Section 17, "Earlier Analysis," may be cross-referenced).

5) Earlier analysis may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration. Section 15063(c)(3)(d). In this case, a brief discussion should identify the following:

   (a) Earlier Analysis Used. Identify and state where they are available for review.

   (b) Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.

   (c) Mitigation Measures. For effects that are "Less than Significant with Mitigation Measures Incorporated," describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.

6) Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g. general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.

7) Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.

8) This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project's environmental effects in whatever format is selected.

9) The analysis of each issue should identify: (a) the significance criteria or threshold used to evaluate each question; and (b) the mitigation measure identified, if any, to reduce the impact to less than significance.

AESTHETICS

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
1. **AESTHETICS.** Would the project:				
a) Have a substantial adverse effect on a scenic vista?			☒	
b) Substantially damage scenic resources, including, but not limited to trees, rock outcroppings, and historic buildings within a state scenic highway?			☒	
c) In nonurbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?			☒	
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?			☒	

a) Policy PR-4.7, Scenic Resources, of the City's 2016 General Plan states that the City will "Protect Yucaipa's scenic resources, including scenic corridors along roads and views of the hillsides, prominent ridgelines, canyons, and other significant natural features, to the extent practical." Resources identified in the General Plan include the City's designated Scenic Corridors (Bryant Street, Yucaipa Boulevard, Wildwood Canyon Road, and Oak Glen Road) and the prominent hillsides, ridgelines, and open space areas that surround the City, including Crafton Hills and the San Bernardino National Forest.

The Project is located at the intersection of two of the City of Yucaipa's major roadways that are City-designated Scenic Corridors (Oak Glen Road and Bryant Street). The proposed Project would be similar in size and scale to the surrounding developments along those two scenic corridors which currently comprises of residential uses to the north and east and commercial development to the south and southeast. Although the Project may partially block views of the Crafton Hills and the San Bernardino Mountains of pedestrians or drivers along Bryant Street and Oak Glen Road, it would not block the overall viewshed of these features from the Project area or these scenic corridors. The proposed Project's height would not substantially obstruct views from the Oak Glen Road and Bryant Street scenic corridors and therefore would have a **less than significant** impact.

b) According to Caltrans Scenic Highway Program, there are no official state designated scenic highways within the City of Yucaipa. A portion of State Route 38 (SR 38) passes through the City of Yucaipa is an eligible state scenic highway as well as a San Bernardino County Designated Scenic Highway. SR 38 is located approximately 2.2 miles north of the Project site and the Project site is not visible from SR-38. The proposed Project would not damage scenic resources within a state scenic highway and potential impacts are **less than significant**.

c) The Project site is within a developed/ urbanized area, neighbored by commercial uses to the south and southeast and residential uses to the north. The Project site is designated Neighborhood Commercial (CN) it is not designated as Open Space or subject to any other regulations governing scenic quality. As part of the City's scenic corridor designation, an enhanced setback from Oak Glen Road and Bryant Street has been incorporated into the Project design, and an enhanced landscape design, which includes a mixture of evergreen and deciduous trees that are consistent with the City's adopted Design Guidelines, would be implemented. Therefore, the development of the proposed Project would have a **less than significant** impact on scenic quality.

d) Additional lighting will occur with the development of the Project in order to provide security within the interior of the Project. However, the amount of lighting will be similar to other residential and commercial developments in the surrounding area, and the Project will be required to comply with the City's Development Code, which contains property development and general design standards that ensure new developments will not have a negative impact upon surrounding

land uses. This includes the requirement that any lighting to be added to the Project shall be shielded to minimize light spillage to adjacent properties, and that light trespass shall not exceed 0.5 footcandles beyond the site's property line. Therefore, impacts related to light and glare will be **less than significant** through compliance with the Development Code.

AGRICULTURAL RESOURCES

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
2. **AGRICULTURE RESOURCES**: In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. Would the project:				
a) Convert Prime Farmland, Unique Farmland or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency to non-agricultural use?				☒
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?				☒
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code Section 12220(g)), timberland (as defined by Public Resources Code Section 4526), or timberland zoned Timberland Production (as defined by Government Code Section 51104(g))?				☒
d) Result in the loss of forest land or conversion of forest land to non-forest use?				☒
e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?				☒

a-b) According to the California Department of Conservation, Important Farmland Finder, the proposed Project site is not designated as prime, unique, or important farmland. The Project is not in a Williamson Act and is not zoned for agricultural use. The proposed Project would not convert Prime or Unique Farmland to an agricultural use zoning designation. Therefore, **no impacts** would occur.

c-d) No Forest land or timberland is located within the Project site. Therefore, **no impacts** would occur.

e) As noted in items a-d above, the area is designated CN, and no portions of the area are currently farmed nor subject to Williamson Act contracts. In addition, no portion of the area is located within a forest area. As such, the proposed Project would have **no impacts** on these resources.

AIR QUALITY

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
3. **AIR QUALITY:** Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the project:				
a) Conflict with or obstruct implementation of the applicable air quality plan?			☒	
b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?			☒	
c) Expose sensitive receptors to substantial pollutant concentrations?			☒	
d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?			☒	

To support the analysis of the Project, an Air Quality Impact Analysis City of Yucaipa, was drafted by Urban Crossroads on August 30th, 2024, and is attached as Appendix A.

a) The proposed Project site is within the South Coast Air Basin (Basin), which is characterized by relatively poor air quality. The South Coast Air Quality Management District (SCAQMD), a 6,745-square-mile area, a subregion of the SCAQMD, which includes the non-desert portions of San Bernardino, Riverside, and Los Angeles counties and all of Orange County. In these areas the SCAQMD is the agency principally responsible for comprehensive air pollution control and works directly with the Southern California Association of Governments (SCAG), county transportation commissions, local governments, as well as state and federal agencies to reduce emissions from stationary (area and point), mobile, and indirect sources, to meet state and federal ambient air quality standards. Currently, the state and federal air quality standards are exceeded in most parts of the Basin. In response, SCAQMD has adopted a series of Air Quality Management Plans (AQMPs) to meet the state and federal ambient air quality standards. AQMPs are updated regularly in order to more efficiently reduce emissions, accommodate growth, and to minimize any negative fiscal impacts of air pollution control on the economy In December 2022, the SCAQMD released the Final 2022 AQMP. The Project's consistency with the AQMP was evaluated using the 2022 AQMP.

The proposed Project does not have the potential to result in or cause National Ambient Air Quality Standards (NAAQS) or California Ambient Air Quality Standards (CAAQS) violations. Although the Project's proposed uses are not consistent with the General Plan land use and zoning designation, as the Project would not exceed the regional or localized construction and operational thresholds, the Project's development intensity is consistent with the commercial development intensities that are allowed within the General Plan for the site. Therefore, the Project is considered to be consistent with and will not conflict or obstruct the implementation of the 2022 AQMP, and a **less than significant** impact would occur.

b-c) To quantify project-related impacts, the proposed Project was evaluated utilizing the CalEEMod version 2020.4 air quality modeling program and the emissions associated with landscape maintenance equipment were calculated based on assumptions provided in CalEEMod. To note, the modeling was based on a proposed Project of 145 residential units and 12,000 square feet of retail uses (in-line fast-food without drive-through window). Subsequently the proposed Project's retail was reduced to 8,000 SF (same kind of retail). Therefore, the air quality modeling analysis is conservative, as what is currently proposed is a smaller retail development.

The SCAQMD has also developed regional significance thresholds for other regulated pollutants, as summarized in Table 1 below:

Table 1: Maximum Daily Regional Emissions Thresholds

Pollutant	Regional Construction Threshold	Regional Operational Thresholds
NO_x	100 lbs/day	55 lbs/day
VOC	75 lbs/day	55 lbs/day
PM_{10}	150 lbs/day	150 lbs/day
$PM_{2.5}$	55 lbs/day	55 lbs/day
SO_x	150 lbs/day	150 lbs/day
CO	550 lbs/day	550 lbs/day
Pb	3 lbs/day	3 lbs/day
NO_x - Nitrogen Oxides, VOC - Volatile Organic Compounds, PM_{10} - Particulate Matter 10 microns in diameter or less, $PM_{2.5}$ - Particulate Matter 2.5 microns in diameter or less, SO_x - Sulfer Oxides, CO – Carbon Monoxide, Pb - Lead		

Based on the air quality modeling analysis that has been completed (Appendix A), listed in Table 2, the construction emissions would not exceed any of the thresholds under Table 1 and therefore would not conflict or obstruct with the existing air quality plan's regional significance thresholds.

Table 2: Overall Construction Emissions Summary – Without Mitigation

Year	Emissions (lbs/day)					
	VOC	**NO_x**	**CO**	**SO_x**	**PM_{10}**	**$PM_{2.5}$**
Summer						
2025	1.49	12.08	18.88	0.03	1.35	0.65
2026	70.44	19.75	31.81	0.05	1.99	1.00
Winter						
2025	4.13	37.58	33.48	0.06	7.83	4.52
2026	1.39	11.44	17.45	0.03	1.29	0.59
Maximum Daily Emissions	**70.44**	**37.58**	**33.48**	**0.06**	**7.83**	**4.52**
SCAQMD Regional Threshold	75	100	550	150	150	55
Threshold Exceeded?	**NO**	**NO**	**NO**	**NO**	**NO**	**NO**

Based on the air quality monitoring analysis that has been completed (appendix A), listed in Table 3, the peak operational emissions would not exceed any of the thresholds listed under Table 1 and therefore would not conflict or obstruct with the existing air quality plan's regional significance thresholds.

Table 3: Summary of Peak Operational Emissions

Source	Emissions (lbs/day)					
	VOC	**NO_x**	**CO**	**SO_x**	**PM_{10}**	**$PM_{2.5}$**
Summer						
Mobile Source	31.22	19.01	168.26	0.36	30.54	7.93
Area Source	9.30	2.49	9.77	0.02	0.20	0.20
Energy Source	0.09	1.51	0.80	0.01	0.12	0.12
Project Maximum Daily Emissions	**40.61**	**23.01**	**178.82**	**0.38**	**30.86**	**8.25**

SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	**NO**	**NO**	**NO**	**NO**	**NO**	**NO**
Winter						
Mobile Source	28.85	20.33	150.20	0.33	30.55	7.93
Area Source	8.49	2.41	1.02	0.02	0.19	0.19
Energy Source	0.09	1.51	0.80	0.01	0.12	0.12
Project Maximum Daily Emissions	**37.42**	**24.25**	**152.02**	**0.36**	**30.86**	**8.25**
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	**NO**	**NO**	**NO**	**NO**	**NO**	**NO**

As determined above, neither the unmitigated maximum construction or operational emissions would exceed the threshold's set by the SCAQMD and therefore would not conflict or obstruct with the existing air quality plan. The proposed Project is not projected to contribute to the exceedance of any air pollutant concentration standards.

The SCAQMD has established that impacts to air quality are significant if there is a potential to contribute or cause localized exceedances of the federal and/or state ambient air quality standards (NAAQS/CAAQS). Collectively, these are referred to as Localized Significance Thresholds (LSTs). LSTs represent the maximum emissions from a project that would not cause or contribute to an exceedance of the most stringent applicable federal or state ambient air quality standard at the nearest residence or sensitive receptor. LSTs were developed in response to environmental justice and health concerns raised by the public regarding exposure of individuals to criteria pollutants in local communities. To address the issue of localized significance, the SCAQMD adopted LSTs that show whether a project would cause or contribute to localized air quality impacts and thereby cause or contribute to potential localized adverse health effects. Based on SCAQMD's LST Methodology, emissions of concern during construction activities are on-site NO_x, PM_{10}, $PM_{2.5}$, and CO.

Some people are especially sensitive to air pollution and are given special consideration when evaluating air quality impacts from projects. These groups of people are children, the elderly, and individuals with pre-existing respiratory or cardiovascular illness. Structures that house these persons or places where they gather are defined as "sensitive receptors." These structures typically include uses such as residences, hotels, and hospitals where an individual can remain for 24 hours. Consistent with the LST Methodology, the nearest land use where an individual could remain for 24 hours to the Project site has been used to determine construction air quality impacts for emissions of PM_{10} and $PM_{2.5}$, since PM_{10} and $PM_{2.5}$ thresholds are based on a 24-hour averaging time. The nearest sensitive receptors to the Project site include residences to the northwest (across the Wilson Creek channel) and to the south on Oak Glen Road, Wildwood Christian Academy, and to the west, the Yucaipa Community Center, and Ridgeview Elementary. Emissions during the peak construction activity will not exceed the SCAQMD's LSTs at the closest receptor location and all other modeled locations would experience a lesser concentration and consequently a lesser impact. As such, the Project's localized impacts during construction activity would be less than significant. According to SCAQMD LST methodology, LSTs would apply to the operational phase of a Project, if the Project includes stationary sources, or attracts mobile sources that may spend long periods queuing and idling at the site (e.g., transfer facilities and warehouse buildings). The proposed Project does not include such uses, and thus, due to the lack of significant stationary source emissions, no long-term localized significance threshold analysis is needed.

The CAAQS designates the Project site as nonattainment for ozone (O_3), PM_{10} and $PM_{2.5}$ while the NAAQS designates the Project site as nonattainment for O_3 and $PM_{2.5}$. The SCAQMD has published a report on how to address cumulative impacts from air pollution (*White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution*, 2003). In this paper SCAQMD clearly states "Projects that exceed the project-specific significance thresholds are considered by

the SCAQMD to be cumulatively considerable. This is the reason project-specific and cumulative significance thresholds are the same. Conversely, project that do not exceed the project-specific thresholds are generally not considered to be cumulatively significant." The Project-specific analysis that was completed demonstrates construction and operation-source air pollutant emissions would not exceed any regional thresholds and, therefore, would be considered less than significant on a cumulative basis. As such, the impact would be **less than significant**.

d) The Project does not contain land uses typically associated with emitting objectionable odors which include agricultural livestock and farming, wastewater treatment facilities, chemical plants, composting operations, refineries, landfills, dairies, and fiberglass molding facilities. Potential odor sources associated with the proposed Project may result from construction equipment exhaust and the application of asphalt and architectural coatings during construction activities and the temporary storage of typical solid waste (refuse) associated with the proposed Project's (long-term operational) uses. Standard construction requirements would minimize odor impacts from construction. Is it expected that the Project-generated refuse would be stored in covered containers and removed at regular intervals in compliance with current solid waste regulations. The construction odor emissions would be temporary, short-term, and intermittent in nature and would cease upon completion of the respective phase of construction and are thus considered **less than significant**.

BIOLOGICAL RESOURCES

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
4. **BIOLOGICAL RESOURCES**. Would the project:				
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?		☒		
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?		☒		
c) Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?				☒
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?			☒	
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?		☒		
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?				☒

To support the analysis of the Project's onsite biological resources, a Biological Technical Report was prepared by VCS Environmental in December 2024 and is included in Appendix B.

a) Vegetation Communities:

The Project site contains the following vegetation communities or land cover types:

- Developed (0.78 acre) – This land cover consists of concrete sidewalks and streetlights along Oak Glen Road and Bryant Street.
- Disturbed Maintained Land (7.65 acres) – This land cover consists of disturbed, frequently mowed and sparsely vegetated areas with mostly herbaceous non-native forms and grasses with a few native species interspersed.
- Scalebroom Scrub – *Lepidospartum squamatum* Shrubland Alliance (9.81 acres) – This is a sensitive vegetation community with a rarity ranking on S3[1] and G3[2]. Riversidean Alluvial Fan Sage Scrub is widespread along Wilson Creek and the lower portion of Oak Glen Creek adjacent to the Project. This vegetation community is dominated by scale-broom (*Lepidospartum squamatum*) co-dominant with California buckwheat (*Eriogonum fasiculatum*), and deerweed (*Acmispon glaber*) but also supports a broad diversity of other native shrubs and forbs, including western prickly pear (*Opuntia littoralis*), strigose lotus (*Acmispon strigosus*), blue elderberry (*Sambucus mexicana*), slender buckwheat (*Eriogonum gracile*), California tarragon (*Artemesia dracunulus*), white sage (*Salvia apiana*), chaparral yucca (*Yucca whipplei*), branching phacelia (*Phacelia ramosissima*), and California croton (*Croton californicus*). Non-native species observed in this vegetation community include American century plant (*Agave americana*), tocalote (*Centaurea melitensis*), short-pod mustard, tree tobacco (*Nicotiana glauca*), and brome grasses (*Brome* spp.).

[1] State Rank 3 (S3) indicates this vegetation community is vulnerable, at moderate risk of extinction, has a restricted range, and there are few populations left.

[2] Global Rank 3 (G3) indicates this vegetation community is at a moderate risk of extinction or collapse due to a fairly restricted range, relatively few populations or occurrences, recent widespread decline, threats, or other factors.

Special Status Plant Species:
Sensitive plant species with the potential to occur onsite were analyzed based on distribution, habitat requirements, and existing site conditions. All special status plant species were determined to have a low potential to occur within the Project footprint. A rare plant survey was conducted within the project footprint and scheduled to coincide with the blooming period of rare plants known to have occurrences in the region. No sensitive plant species were observed within the Project footprint during and of the multiple site surveys, including the focused rare plant survey.

Special Status Wildlife Species:
Special status wildlife species with the potential to occur within the immediate region of the Project site were analyzed based on distribution, habitat requirements, and existing site conditions.

The following special status wildlife species were observed within the Project footprint during biological surveys of the site in 2021, 2022, and 2024.

- Southern California rufous-crowned sparrow (*Aimophila ruficeps canescens*) – a watch list species that was previously designated a "Species of Special Concern" but no longer qualifies. Through incorporation of Mitigation Measure MM BIO-3, potential direct and indirect temporary impacts to this species associated with construction activities (e.g., noise, dust, vegetation removal) would be less than significant. Long-term, permanent impacts to onsite nesting and foraging habitat would be considered less than significant as this species is capable of relocating to other areas with suitable habitat in the region.
- Northwestern San Diego pocket mouse (*Chaetodipus fallax fallaxi*) - was previously designated a "Species of Special Concern" but no longer qualifies. Through incorporation of Mitigation Measure MM BIO-3, potential direct and indirect temporary impacts to this species associated with construction activities (e.g., noise, dust, vegetation removal) would be less than significant. Long-term, permanent impacts to onsite nesting and foraging habitat would be considered less than significant as this species is capable of relocating to other areas with suitable habitat in the region.
- San Diego desert woodrat (*Neotoma lepida intermedia*) - is designated by California Department of Fish and Wildlife (CDFW) as a "Species of Special Concern." Through incorporation of Mitigation Measure MM BIO-3, potential direct and indirect temporary impacts to this species associated with construction activities (e.g., noise, dust, vegetation removal) would be less than significant. Long-term, permanent impacts to onsite nesting and foraging habitat would be considered less than significant as this species is capable of relocating to other areas with suitable habitat in the region.

One special status wildlife species was determined to have at least a moderate potential to occur within the Project footprint:

- Crotch's bumble bee (*Bombus crotchii*) – is state-listed as candidate endangered and therefore granted full protection under the California Endangered Species Act (CESA). Through incorporation of Mitigation Measure MM BIO-4, potential direct and indirect temporary impacts associated with construction activities would be less than significant.

Three other special status wildlife species were determined to warrant focused surveys due to either the presence of suitable habitat or historical nearby occurrences:

- Burrowing owl (*Athene cunicularia*) - is state-listed as candidate and therefore granted full protection under the California Endangered Species Act (CESA). A habitat assessment and four focused surveys for burrowing owls were performed and although suitable burrows were observed no burrowing owl sign and no burrowing owls were observed. Therefore, burrowing owl is considered absent from the Project site. However, burrowing owls are known to migrate and colonize previously unoccupied sites. Through incorporation of Mitigation Measure MM BIO-5, potential direct and indirect temporary impacts associated with construction activities to burrowing owl with potential to colonize the site prior to grading would be less than significant. No permanent impacts are anticipated since the Project is not occupied. If the site were to become occupied in the future, coordination with CDFW and acquiring an Individual Take Permit (ITP) would be required, which would further reduce potential permanent impacts to less than significant.

- Coastal California gnatcatcher (CAGN) (*Polioptila californica californica*) – is a CDFW Species of Special Concern as well as federally listed as Threatened. Nine CAGN non-breeding season surveys were completed and no CAGN were observed or otherwise detected during the surveys. Therefore, CAGN is considered absent from the Project site. No temporary or permanent impacts are anticipated since the Project site is not occupied.
- San Bernardino kangaroo rat (SBKR) (*Dipodomys merriami parvus*) – is a CDFW Species of Special Concern as well as a federally and state listed as Endangered. Trapping was conducted for five consecutive nights, when the animal is active above ground. No SBKR were trapped or otherwise detected. Therefore, SBKR is considered absent from the Project site. It should be noted that other trapping efforts within the area for other projects, including the Wine Country Specific Plan, located east of the site, and the Oak Glen Creek Specific Plan/Wilson III Basin Project, located south of the site, have also resulted in a negative presence for the species. No temporary or permanent impacts are anticipated since the Project site is not occupied.

The proposed Project would have potentially significant impacts to species identified as a candidate, sensitive, or special-status species as determined by the California Department of Fish and Wildlife and or The U.S. Fish and Wildlife Service through the indirect or direct impacts to suitable habitat occurring onsite. However, with implementation of Mitigation Measures MM BIO-2, MM BIO-3, MM BIO-4, and MM BIO-5, potential impacts would be reduced to less than significant. Mitigation Measure MM BIO-2 ensures the in-perpetuity preservation of 9.81 acres of scalebroom scrub habitat acquired at a 1:1 ratio as offsite mitigation. Mitigation Measure MM BIO-3 ensures avian (bird) species, special-status and those protected under the migratory bird treaty act, would not be impacted by development of the Project. Mitigation Measure MM BIO-4 ensures that Crotch's bumblebee would not be impacted by development of the Project. Mitigation Measure MM BIO-5 ensures that burrowing owls would not be impacted by development of the Project. Potential impacts to candidate, sensitive, or special-status species would be **less than significant with mitigation**.

b) The proposed Project would not have any impacts to riparian habitat as riparian habitat does not occur within the limits of the Project site. The channel of Wilson Creek that borders the northern and northwestern sides of the Project site, would be avoided by the development of the Project. The Project does not propose any development within or on the border of the channel and would create a buffer between development and the channel. Due to the avoidance of the Wilson Creek channel and because all onsite stormwater runoff will be directed through the Project's onsite stormdrain system and to a detention/infiltration basin in the southwest corner of the site, the Project would have no impacts to federal or state protected riparian habitat.

The proposed Project would have potentially significant impacts to scalebroom scrub a state designated S3 sensitive natural community. This sensitive natural community would be directly affected by the potential development of the Project. Mitigation Measure MM BIO-2 ensures that in-perpetuity preservation of 9.81 acres of scalebroom scrub habitat acquired at a 1:1 ratio as offsite mitigation. Mitigation Measure MM BIO-2 would offset the impacts of potential Project development and ensure that impacts would **be less than significant with mitigation** incorporated.

c) The Project does not propose any work or changes to be conducted to or within any federally protected wetlands. The proposed Project's space was surveyed and was found not to have jurisdictional wetland feature(s). The channel of Wilson Creek that borders the northern and northwestern sides of the Project site, would be avoided by the development of the Project. The Project does not propose any development within or on the border of the channel and would create a buffer between development and the channel. Due to the avoidance of the Wilson Creek channel and because all onsite stormwater runoff will be directed through the Project's onsite stormdrain system and to a detention/infiltration basin in the southwest corner of the site, the Project would have **no impacts** to federal or state protected wetlands.

d) The proposed Project would have a less than significant impact on wildlife movement, habitat connectivity in migratory wildlife corridors, or impede the use of wildlife nursery sites. The Project site is located within a mosaic of developed and undeveloped parcels. The Project site is located in the historical braided floodplain of Wilson Creek, which has been channelized north and west of an access road that borders the Project on these sides. Wildlife species can use the Wilson Creek channel and move northeast and south, through other developed portions of Yucaipa. Common wildlife species including coyotes, skunks, opossums, and racoons may travel through the site and neighboring developed areas, but the

Project site does not provide connectivity between large areas of open space on a local or regional scale. The Project site is not within a significant regional wildlife corridor and is not considered to play a role for local or regional wildlife movement. The Wilson Creek channel will be avoided by the development of the Project and wildlife movement in or adjacent to the Wilson Creek channel will still be available. In addition, the proposed improvements near the channel would consist of landscaping and a walking trail, providing an additional buffer from the channel to the nearest residence. Thus, the Project would have **less than significant impacts** to wildlife movement and connectivity within the region.

e) The City of Yucaipa has two local ordinances for the preservation of native trees within the city, Ordinance Chapter 3 Section 89.0301- 89.0315 and Ordinance Chapter 5 Section 89.0515.

Ordinance Chapter 3 Section 89.0301- 89.0315 for the preservation of the city's Mountain Forest and Valley Trees, states all native trees (except for oak trees) with a six-inch or greater stem diameter, measured at 4.5 feet above the average ground level of the tree base, growing on private land within the City of Yucaipa and on public land owned by the City of Yucaipa shall first obtain approval from the city prior to removal. One individual native tree, a blue elderberry tree (*Sambucus cerulea*) has a stem that exceeds six inches when measured four and a half feet from ground level and therefore meets the native tree criteria. There are no trees onsite that meet the heritage tree criteria. The removal of the blue elderberry tree will require the permission of the City of Yucaipa. MM BIO-1 ensures the Projects consistency with Ordinance Chapter 3 Section 89.0301- 89.0315 by obtaining the permission of the City of Yucaipa before removal of the blue elderberry tree. With the implementation of MM BIO-, the Project will comply with the ordinance and impacts of the Project will be **less than significant with mitigation**.

Ordinance Chapter 5 Section 89.0515 for the preservation of the city's oak trees, requires a permit from the city if any species of the genus *Quercus,* except scrub oak (*Quercus dumosa*), is proposed to be cut, removed encroached upon, and or relocated. The Project site does not feature any oak trees, of the genus *Quercus*, which are protected by the City of Yucaipa pursuant to Chapter 5 of Division 9 of the Yucaipa Development Code. Therefore, the Project would not conflict with this ordinance and there would be no impact to this resource.

f) A Habitat Conservation Plan (HCP) is a long-term agreement with USFWS designated to offset any harmful effects that a proposed activity might have on federally listed threatened and endangered species. The HCP allows development to proceed while providing a mechanism to conserve listed species and provide for incidental take. The Natural Communities Conservation Planning Program (NCCP) of CDFW is an effort by the State of California and numerous private and public partners that takes a broad-based ecosystem approach to planning for the protection and perpetuation of biological diversity. An NCCP identifies and provides for the regional or area-wide protection of plants, animals, and their habitats, while allowing compatible and appropriate economic activity. The City of Yucaipa is not a part of any HCP or NCCP. As such, there would be **no impacts** to any applicable Habitat Conservation Plans, Natural Community Conservation Plans, or other plans for the site.

Mitigation Measures:

MM BIO-1: One native tree, a blue elderberry tree (*Sambucus cerulea*) was observed within the Project site. Therefore, the Project applicant shall obtain approval from the City of Yucaipa for tree removal of the blue elderberry tree prior to issuance of a grading permit, to show compliance with the City of Yucaipa's Mountain Forest and Valley Tree Conservation Ordinance.

MM BIO-2: Impacts to 9.81 acres of scalebroom scrub, a state designated S3 sensitive natural community, shall be mitigated through the acquisition or preservation or planting of scalebroom scrub habitat at a 1:1 ratio, which shall be protected in perpetuity. Documentation of the scalebroom scrub mitigation shall be provided to the City prior to issuance of a grading permit.

MM BIO-3: The clearance of vegetation for construction shall occur outside of the nesting bird season (nesting bird season defined herein as January 15 through September 15), if feasible. If vegetation removal and/or grading outside this time

period is not feasible, the following additional measures shall be employed to avoid impacts to nesting birds protected under the MBTA and California Fish and Game Code (CFGC).

A pre-construction nesting bird survey shall be conducted by a qualified biologist (i.e., a biologist familiar and experienced with the identification and life histories of wildlife and plant species in southern California) within three days (72 hours) prior to the start of construction activities to determine whether active nests are present within or directly adjacent to the construction zone. Nests found shall be recorded and an appropriate buffer shall be established based on field conditions, the nature of work, and the bird species (typically 300 feet of an active nest of any passerine bird or within 500 feet of an active nest of any raptor or sensitive species). A qualified biologist shall monitor the nest on a bi- weekly (twice a week) basis, or at a frequency necessary to adequately monitor potential impacts to the active nest and to postpone construction activity, as needed, until the biologist determines that the nest is no longer active.

If the recommended nest avoidance buffer zone is not feasible, the qualified biologist shall provide justification on a case-by-case basis if a buffer reduction is possible, taking into consideration the location of work and type of activity, distance of nest from work area, surrounding vegetation, and line-of-sight between the nest and work areas, tolerance of species to disturbance, and observations of the nesting bird's reaction to construction activities (including light, noise, dust, and human presence).

If the biologist determines nesting activities may fail as a result of work activities, work activities shall be modified or shall temporarily cease within the recommended no disturbance buffer until the biologist determines the adults and young are no longer reliant on the nest site. Buffers shall be delineated (by or under the supervision of a qualified biologist) onsite with bright flagging, for easy identification by staff and the construction team. The perimeter of the buffer shall be flagged so as not to draw predator attention to the direct location of the nest itself and flagging will be minimized where feasible. The onsite construction supervisor and operator staff shall be notified of the nest and the buffer limits to ensure it is maintained.

The indirect impacts of night-time construction lighting on nesting birds outside the construction limits shall be reduced by shielding or directing construction lighting to avoid light encroachment into adjacent habitats.

All wildlife will be allowed to safely leave the site and/or be relocated by the qualified biologist in the event they are observed during the pre-construction survey and/or grading.

MM BIO-4: Before initial vegetation removal and ground disturbing activities begin, a pre-construction survey for Crotch bumble bee will be conducted within the Project site and an appropriate survey buffer as identified by a qualified biologist with experience surveying for and observing Crotch bumble bee. If Crotch bumble bees are determined to be present within the Project site and it is determined the species will be impacted by Project implementation, an Incidental Take Permit (ITP) will be processed with CDFW, including all appropriate mitigation required by CDFW prior to grading start.

MM BIO-5: A pre-construction presence/absence survey for burrowing owl within the Project site where suitable habitat is present shall be conducted by a qualified biologist within 30 days prior to the commencement of ground disturbing activities. The survey shall include the Project site and all suitable burrowing owl habitat within a 500-foot buffer. If ground disturbing activities in these areas are delayed or suspended for more than 30 days after the pre-construction survey, the area shall be resurveyed for owls.

If burrowing owls are identified during the pre-construction survey, the owl shall be avoided and the qualified biologist shall coordinate with the City of Yucaipa Planning Department, to develop a Burrowing Owl Relocation Plan to be approved by the City prior to commencing Project activities. The Burrowing Owl Plan shall be prepared in accordance with guidelines in the CDFW Staff Report on Burrowing Owl (March 2012) (CDFW 2012). The Burrowing Owl Plan shall describe proposed avoidance, minimization, relocation, and monitoring as applicable. The Burrowing Owl Plan shall include the number and location of occupied burrow sites and details on proposed buffers if avoiding the burrowing owls and/or information on the adjacent or nearby suitable habitat available to owls for relocation. If no suitable habitat is available nearby for relocation, details regarding the creation and funding of artificial burrows (numbers, location, and type of burrows) and management activities for relocated owls may also be required in the Burrowing Owl Plan. A final letter report shall be prepared by the qualified biologist documenting the results of the Burrowing Owl Plan. The letter shall be submitted to the City prior to the start of Project activities.

Additionally, the Project applicant may be required to obtain a Section 2081 Incidental Take Permit, if burrowing owl are still protected under CESA. The applicant/permittee shall implement the 2081 Incidental Take Permit if required. If burrowing owls are identified after Project activities have started, then construction activities shall be halted immediately. The Project applicant shall notify the City. As noted above, if a 2081 Incidental Take Permit is required, it shall be obtained and implemented.

CULTURAL RESOURCES

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
5. **CULTURAL RESOURCES**. Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource pursuant to § 15064.5?			☒	
b) Cause a substantial adverse change in the significance of an archaeological resources pursuant to Section 15064.5?		☒		
c) Disturb any human remains, including those interred outside of formal cemeteries?		☒		

This analysis is based on the Phase I Cultural Resources Assessment prepared by VCS Environmental in February 2022, and is included in Appendix C.

a) The proposed Project is located within an area that historically has been Wilson Creek which has now been channelized. The majority of the site is disturbed due to mowing activities and trails winding through the site. An access road separates the Wilson Creek channel and the Project site; south of this access road, it appears that limited impacts had occurred, including dumping of materials and some mechanical soil disturbance. One earthen channel feature is located adjacent to the northern and northwestern portions of the site and flows in a southwesterly direction into an existing flood control channel to the south. There are no structures, historic features, or buildings within the Project site, and therefore, there would be no "historic resources" to be significantly affected. The Project would have a **less than significant** impact.

b) CEQA establishes that a project that may cause a substantial adverse change in the significance of a "historical resource" or a "tribal cultural resource" is a project that may have a significant effect on the environment (PRC §21084.1-2). "Substantial adverse change," according to PRC §5020.1(q), "means demolition, destruction, relocation, or alteration such that the significance of a historical resource would be impaired."

An information center records search was conducted at the South Central Coastal Information Center (SCCIC) at the California State University, Fullerton to determine if any known cultural resources were recorded within a half-mile of the Project area. The SCCIC lists 12 cultural resources within a half-mile of the Project site. Of the twelve resources, at least two are prehistoric; however, none are within the Project site. Prehistoric site P-36-000911 (CA-SBR-911) appears to have been a camp and food processing site, with groundstone tools and hammerstones for the processing of materials. The second site is made up of a single obsidian flake. Additionally, during the Sacred Lands Files (SLF) Search, the Yuhaaviatam of San Manuel Nation stated that the space is of a sensitive nature for tribal resources. Because of the proximity of these sites and the results of the SLF Search, the Project has a heightened sensitivity for cultural resources but would have a **less than significant impact with Mitigation** Measures CUL-1 through CUL-4.

c) In the case of inadvertent discovery of human remains, the Project is to halt work and the San Bernardino County Coroner's Office shall be notified. Standard Conditions of Approval are included as mitigation measure CUL-4 pertaining to State Health and Safety Code Section 7050.5. In addition, any discoveries of remains would also be assessed to determine if they are of Native American origin. If the remains are determined to be prehistoric, the Coroner will notify the Native American Heritage Commission (NAHC), which will determine and notify a Most Likely Descendant (MLD). Therefore, the Project would have a **less than significant impact with mitigation**.

Mitigation Measures:

CUL-1: The applicant shall retain a qualified archaeologist and Native American Tribal representative to monitor grading of the site. At the Project pre-grading meeting, the archaeologist, the Native American tribal representative(s), the Applicant, and the excavation and grading contractor shall discuss appropriate grading and ground disturbing methods within

archaeologically and culturally sensitive areas within the Project. Should the archaeologist, after consultation with the appropriate Native American tribe(s), find the potential exists for impacts to archaeological resources, cultural resources, and/or sacred sites, the archaeologist and the Native American tribal representative(s) shall actively monitor Project-related grading and shall have the authority to temporarily divert, redirect, or halt grading activity to allow recovery of archaeological and/or cultural resources.

CUL-2: The Applicant shall retain a qualified paleontologist to observe grading activities and salvage and catalogue fossils, as necessary. The paleontologist shall be present at the pre-grade conference, shall establish procedures for paleontological resource surveillance, and shall establish, in cooperation with the Applicant and City, procedures for temporarily halting or redirecting work to permit sampling, identification, and evaluation of the fossils. If the paleontological resources are found to be significant, the paleontologist shall determine appropriate actions, in cooperation with the Applicant, which ensure proper exploration and/or salvage.

CUL-3: If paleontological resources are uncovered and after completion of the Project, the Applicant shall submit the paleontologist's follow-up report for approval by the City of Yucaipa. The report shall include the period of inspection, a catalogue and analysis of the fossils found, and the present repository of the fossils. Excavated material shall be prepared to the point of identification. The Applicant shall offer excavated finds for curatorial purposes to the City of Yucaipa or its designee, on a first refusal basis. These actions, as well as final mitigation and disposition of the resources, shall be subject to approval by the City of Yucaipa. Applicant shall pay curatorial fees for the storage of these resources in perpetuity.

CUL-4: Project-related earth disturbance has the potential to unearth previously undiscovered human remains, resulting in a potentially significant impact. If human remains are encountered during excavation activities, all work shall halt and the County Coroner shall be notified (California Health and Safety Code, §7050.5). The Coroner will determine whether the remains are of forensic interest. If the Coroner determines that the remains are prehistoric, he/she will contact the NAHC within 24 hours. The NAHC is responsible for immediately designating the MLD, who will be responsible for the ultimate disposition of the remains, as required by Section 5097.98 of the California Public Resources Code. The MLD shall make his/her recommendation within 48 hours of being granted access to the site. The MLD's recommendation shall be followed if feasible and may include scientific removal and nondestructive analysis of the human remains and any items associated with Native American burials. If the landowner rejects the MLD's recommendations, the landowner shall rebury the remains with appropriate dignity on the property in a location that will not be subject to further subsurface disturbance.

ENERGY

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
6. **ENERGY**. Would the project:				
a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?			☒	
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?			☒	

To support the analysis of the Project an Energy Analysis was prepared by Urban Crossroads on August 30th, 2024, and is included in Appendix D.

a) Construction:
Based on the CalEEMod modeling estimations, construction-related vehicle trips would result in approximately 733,008 vehicle miles traveled (VMT) and consume an estimated 35,099 gallons of diesel fuel during the construction phases. Additionally, on-site construction equipment would consume an estimated 49,800 gallons of diesel fuel. Limitations on idling of vehicles and equipment and requirements that equipment be properly maintained would result in fuel savings. Due to the temporary nature of construction and the financial incentives for developers and contractors to use energy-consuming resources in an efficient manner, the construction phase of the proposed Project is not expected to result in wasteful, inefficient and unnecessary consumption of energy. Therefore, the construction impacts related to fuel consumption would be less than significant.

Operation:
Operation of the Project would consume energy as part of building operations and transportation activities. Building operations would involve energy consumption for multiple purposes including, but not limited to, building heating and cooling, refrigeration, lighting, and electronics. Project facility operational energy demands are estimated at: 1,573,801 Kilowatt Hour per year (kWh/year) of electricity and 5,908,259 thousand-British thermal units per year (kBTU/year) of natural gas annually. Electricity would be supplied by Southern California Edison (SCE), and natural gas would be supplied by SoCal Gas. Development of the Project would be designed and constructed in accordance with the City's latest adopted energy efficient standards, which are based on the California Title 24 energy efficiency standards. Title 24 standards are widely regarded as the most advanced energy efficiency standards, which would help reduce the amount of energy required for lighting, water heating, and heating and air conditioning in buildings and promote energy conservation.

Operational energy would be consumed during vehicle trips associated with future residential and retail development of the Project. Based on CalEEMod modeling estimates, project-related vehicle trips would result in approximately 11,958,149 VMT and consume an estimated 484,242 gallons of gasoline and diesel combined annually. The Project site is surrounded by existing urban uses, and the existing transportation facilities and infrastructure would provide residents, visitors, and employees associated with the Project access to a mix of land uses in close proximity to the Project, thus further reducing fuel consumption demand. Additionally, the Project will also be providing parking and electronic vehicle (EV) infrastructure that would further promote fuel efficient vehicles. For these reasons, operational-related transportation fuel consumption would not result in a significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources.

Therefore, the Project would have a **less than significant** impact in regards to wasteful or excessive energy usage during construction or operation of the Project.

b) Construction:
The proposed Project would result in energy consumption through the combustion of fossil fuels in construction vehicles, worker commute vehicles, and construction equipment, and the use of electricity for temporary buildings, lighting, and other sources. California Code of Regulations Title 13, Sections 2449 and 2485, limit idling from both on- road and off-road diesel-powered equipment and are enforced by the CARB. The proposed Project would comply with these regulations. There are no policies at the local level applicable to energy conservation specific to the construction phase. Thus, it is anticipated that construction of the proposed Project would not conflict with any applicable plan, policy, or regulation adopted for the purpose of reducing energy use or increasing the use of renewable energy. Therefore, construction- related energy efficiency and renewable energy standards consistency impacts would be **less than significant**.

Operations:
California's Renewable Portfolio Standard (RPS) establishes a goal of renewable energy for local providers to be 44% by 2040. Similarly, the State is promoting renewable energy targets to meet the 2022 Scoping Plan greenhouse gas emissions reductions. As discussed in a) above, the Project would result in approximately 1,573,801 kWh of electricity and 5,908,259 kBTU/year of natural gas annually. Development of the Project would be designed and constructed in accordance with the City's latest adopted energy efficiency standards, which are based on the California Title 24 energy efficiency standards. Title 24 standards include a broad set of energy conservation requirements that apply to the structural, mechanical, electrical, and plumbing systems in a building. For example, the Title 24 Lighting Power Density requirements define the maximum wattage of lighting that can be used in a building based on its square footage. Title 24 standards are widely regarded as the most advanced energy efficiency standards, and would help reduce the amount of energy required for lighting, water heating, and heating and air conditioning in buildings and promote energy conservation. Compliance with the aforementioned mandatory measures would ensure that development of the Project would not conflict with any applicable plan, policy, or regulation adopted for the purpose of reducing energy use or increasing the use of renewable energy. Therefore, operational energy efficiency and renewable energy standards consistency impacts would be **less than significant**.

GEOLOGY AND SOILS

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
7. **GEOLOGY AND SOILS**. Would the project:				
a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:				
(i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.			☒	
(ii) Strong seismic ground shaking?			☒	
(iii) Seismic-related ground failure, including liquefaction?			☒	
(iv) Landslides?			☒	
b) Result in substantial soil erosion or the loss of topsoil?				☒
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?				☒
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?				☒
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?				☒
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?				☒

a(i-iv) According to the City's General Plan Map Geologic Hazard Overlay Map, the site is not within the boundaries of a fault zone as defined within the Alquist-Priolo Earthquake Fault Zone Act. However, Southern California is a seismically active area. As such, seismic ground shaking and ground rupture due to movement of a fault is a potential hazard in Yucaipa. The Project will be required to comply with the Yucaipa Municipal Code and the Building Code, which is designed to mitigate earthquake hazards. The Uniform Building Code (UBC) has identified groundwater within 50 feet of the surface as a potential problem for seismic-related ground failure, including liquefaction. According to the Yucaipa General Plan, ground water can vary within the City from depths lower than 300 feet below surface elevation to as close as 40 feet. Due to the depth of groundwater, the potential for liquefaction near the Project site is considered minimal. The Project site is also located on and surrounded by relatively flat land and is therefore not susceptible to seismically induced landslides. Thus, impacts would be **less than significant**.

b) The Project site is not traversed by any USGS identified drainage courses; the Wilson Creek flood control channel is located outside of the Project boundary to the northwest. The Project would be required to prepare and implement all National Pollutant Discharge Elimination System (NPDES) permit requirements and appropriate BMPs (Best Management Practices) through a Storm Water Pollution Prevention Plan (SWPPP) and Water Quality Management Plan (WQMP). These plans are a standard condition for Projects over one (1) acre in size and are intended to minimize soil erosion and prevent the off-site discharge of pollutants. The Project's compliance with these provisions would ensure **less than significant** impacts related to soil erosion.

c) See above items 7 (a) and (b). According to the City's General Plan Geologic Hazard Overlay Map, the Project site is not located within an area identified as Liquefaction Susceptibility or Landslide Susceptibility. Due to the depth of groundwater

and the absence of landslide hazards per the City's General Plan for where the proposed Project is located, the potential for liquefaction or landslide is minimal. Therefore, there are **no impacts** related to unstable geologic units or soils.

d) The area subject to the GPA is not identified as being within the City's Geologic Hazard Overlay and is not expected to be susceptible to landslides and related phenomena. The site has been graded flat, and is not located adjacent to any unstable areas, such as steep hillsides. As such, the proposed Project would not impact a geologic unit or soil that is unstable and would not cause such an area to become unstable as a result of the Project. Therefore, there are **no impacts** related to expansive soil.

e) The proposed Project will connect to the Yucaipa Valley Water District (YVWD) sewer services and will not utilize any septic tanks. Therefore, there are **no impacts** related to soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems.

f) Figure PR-6 (Cultural and Paleontological Resource Sensitivity Overlay Districts) of the General Plan does not identify that the Project site is not located within a Paleontological Resource Sensitivity Area. Unanticipated paleontological resources are unlikely; however, if they are discovered, work would be halted pursuant to the City's Standard Conditions of Approval until these resources can be advised by a paleontologist on their significance and removal. Therefore, **no impacts** would occur.

GREENHOUSE GAS EMISSIONS

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
8. **GREENHOUSE GAS EMISSIONS.** Would the project:				
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?		☒		
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?			☒	

To support the analysis of the Project a Greenhouse Gas Analysis, dated August 30th, 2024, was prepared by Urban Crossroads, and is attached as Appendix E.

a) Constituent gases of the Earth's atmosphere, called atmospheric greenhouse gases (GHG), play a critical role in the Earth's radiation amount by trapping infrared radiation emitted from the Earth's surface, which otherwise would have escaped to space. Prominent greenhouse gases contributing to this process include carbon dioxide (CO_2), methane (CH_4), ozone, water vapor, nitrous oxide (N_2O), and chlorofluorocarbons (CFCs). This phenomenon, known as the Greenhouse Effect, is responsible for maintaining a habitable climate. Anthropogenic (caused or produced by humans) emissions of these greenhouse gases in excess of natural ambient concentrations are responsible for the enhancement of the Greenhouse Effect and have led to a trend of unnatural warming of the Earth's natural climate, known as global warming or climate change.

The City of Yucaipa's Climate Action Plan (CAP) utilizes a two-step approach in quantifying GHG emissions. First, a screening threshold of 3,000 $MTCO_2e$/yr is used to determine if additional analysis is required. Projects that exceed the 3,000 $MTCO_2e$/yr are required to either achieve a minimum 100 points per the Screening Tables or a 31% reduction over 2007 emissions levels. Consistent with CEQA guidelines, such projects would be determined to have a less than significant individual and cumulative impact for GHG emissions.

Construction Emissions

Per the Air Quality report (Appendix A) the construction of the Project would include the following emission producing activities; Site Preparation, Grading, Building Construction, Paving, and Architectural Coating. As these emissions will be of a considerable percentage of the emissions the Amortized Annual Construction Emissions are listed below in Table 4.

Table 4: Amortized Annual Construction Emissions

Year	Emissions (MT/yr)				
	CO_2	CH_4	N_2O	Refrigerants	Total CO_2e
2025	465.71	0.02	0.01	0.18	469.98
2026	196.34	0.01	0.01	0.08	198.35
Total GHG Emissions	662.05	0.03	0.02	0.26	668.32
Amortized Construction Emissions	**22.07**	**9.51E-04**	**5.93E-04**	**8.64E-03**	**22.28**

Operational Emissions

The Project would also have considerable mobile and energy emissions within the category of Operational Emissions. The Project's mobile related GHG emissions derive primarily from vehicle trips generated by the Project, including employee trips to and from the site associated with the proposed uses. The energy source emissions from the operation of the Project also include the combustion emissions associated with natural gas and electricity. GHGs are emitted from buildings as a result of activities for which electricity and natural gas are typically used as energy sources. Combustion of any type of fuel emits CO2 and other GHGs directly into the atmosphere; these emissions are considered direct emissions associated with a building; the building energy use emissions do not include street lighting. GHGs are also emitted during the generation of electricity from fossil fuels; these emissions are considered to be indirect emissions. Natural gas and electricity usage associated with the Project was calculated by CalEEMod using default parameters.

The analysis within Appendix E calculated the emissions of construction and all categories under operational emissions to determine whether the project would exceed the 3,000 $MTCO_2e$/yr listed under the city of Yucaipa's screening criteria. The table below is a breakdown of those levels.

Table Project GHG Emissions

Emission Source	Emissions (MT/yr)				
	CO_2	CH_4	N_2O	Refrigerants	Total CO_2e
Annual Construction-related emissions amortized over 30 years	22.07	9.51E-04	5.93-E04	8.64E-03	22.28
Mobile Source	4410.25	0.31	0.26	6.68	4501.20
Area Source	37.36	0.00	0.00	0.00	37.40
Energy Source	560.63	0.05	0.00	0.00	562.94
Water Usage	18.36	0.32	0.01	0.00	28.56
Waste	24.84	2.48	0.00	0.00	86.90
Refrigerants	0.00	0.00	0.00	1.48	1.48
Total CO2e (all sources)	**5,240.77**				

As shown in Table 5, the Project would exceed the city of Yucaipa's screening of 3,000 MTCO2e/yr, therefore the Project is required to either achieve a minimum 100 points per the Screening Tables or a 31% reduction over 2007 emissions levels. The proposed Project would require the implementation of mitigation measure GHG-1. The proposed Project would have a **less than significant impact with mitigation** measures incorporated.

b) The proposed Project would not impede the State's progress toward carbon neutrality by 2045, outlined in the 2022 Scoping Plan. The Project would be required to comply with applicable current and future regulatory requirements promulgated through the 2022 Scoping Plan. Some of the current transportation sector policies the Project will comply with (through vehicle manufactures compliance) include: Advanced Clean Cars II, Advanced Clean Trucks, Advanced Clean Fleets, Zero Emission Forklifts, Off-Road Zero-Emission Targeted Manufacturer Rule, Clean Off-Road Fleet Recognition Program, Amendments to the In-use Off-Road Diesel-Fueled Fleets Regulation, carbon pricing through the Cap-and-Trade Program, and the Low Carbon Fuel Standard. Further, the Project will implement MM GHG-1 which will also reduce GHG emissions. Lastly, the Project would be required to comply with applicable elements outlined in the City's CAP. As such, the Project would be consistent with the 2022 Scoping Plan. Therefore, impacts related to applicable plans, policies, or regulations would be **less than significant**.

City of Yucaipa Climate Action Plan Consistency

The purpose of the City of Yucaipa CAP is to provide guidance on how to analyze GHG emissions and determine significance during the CEQA review of proposed development projects within the City. Because the City of Yucaipa

addresses GHG emissions reductions and is consistent with the requirements of AB 32, SB 32, and international efforts to reduce GHG emissions, compliance with the CAP fulfills the description of mitigation found in the State CEQA Guidelines.

Pursuant to MM GHG-1, the Project will implement Screening Table Measures providing for a minimum 100 points per the City Screening Tables. Since MM GHG-1 yields a minimum of 100 points, with incorporation of MM GHG-1, the Project would be consistent with the CAP. By achieving the 100-point minimum, the Project would be consistent with the GHG Development Review Process' requirement to achieve at least 100 points and thus the Project is considered to have a less than significant individual and cumulatively considerable impact on GHG emissions. Measures that achieve equivalent points or emissions reductions may be substituted.

Mitigation Measures:

GHG-1: The Project shall implement Screening Table Measures providing for a minimum of 100 points per the City Screening Tables. The Project would be consistent with the CAP's requirement to achieve at least 100 points and thus the Project is considered to have a less than significant individual and cumulatively considerable impact on GHG emissions. The City shall verify incorporation of the identified Screening Table Measures within the Project plans and site designs prior to the issuance of building permit(s) and/or site plans (as applicable). The City shall verify implementation of the identified Screening Table Measures prior to the issuance of Certificate(s) of Occupancy. It should be noted that the Project specific measures are not binding and can change, so long as the measures are substituted for other measures that achieve an equivalent number of points and achieve the City CAP Screening Table requirement of 100 points minimum.

HAZARDS AND HAZARDOUS MATERIALS

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
9. **HAZARDS AND HAZARDOUS MATERIALS.** Would the project?				
a) Create a significant hazard to the public or the environment through the routine transport, use or disposal of hazardous materials?			☒	
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?			☒	
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?			☒	
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code § 65962.5 and, as a result, would it create a significant hazard to the public or the environment?				☒
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?				☒
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?				☒
g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?			☒	

a-c) The proposed Project would consist of residential units and an area for Neighborhood Commercial (CN) uses. It is not anticipated that a residential Project would directly involve the routine transport of hazardous materials; however, equipment used at the site during construction activities could utilize substances considered by regulatory bodies as hazardous, such as diesel fuel and gasoline from typical construction equipment and would therefore have the potential to discharge hazardous materials during construction. These types of materials are not acutely hazardous, and all storage, handling, use, and disposal of these materials are regulated by federal and state requirements, for which the Project construction activities would be required to strictly adhere to. These regulations include: the federal Occupational Safety and Health Act and Hazardous Materials Transportation Act; Title 8 of the California Code of Regulations (CalOSHA), and the state Unified Hazardous Waste and Hazardous Materials Management Regulatory Program. The amount of hazardous material discharge during construction is expected to be less than significant, and the Project would be required to comply with applicable laws, ordinances and procedures. Through compliance with the aforementioned laws and requirements, and also through the implementation of a SWPPP and the WQMP requirements to prevent the off-site discharge of pollutants during construction and operation of the Project, impacts would be **less than significant**. The proposed Project is within ~0.2 miles of the Ridgeview Elementary School but would not present a significant impact to the schoolyard due to the above stated precautions and handling procedures.

d) During operation of the Project, potential hazardous materials would be limited to routine elements associated with residential and/or commercial development, including the use of yard fertilizers, house cleaners and solvents which would not represent a significant hazard. Further, no hazardous materials will be transported to or from the site during Project construction or operation. The site is also not included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5, and therefore would have **no impact**.

e) The closest nearby airport is the Redlands Municipal Airport, 6.4 miles to the northwest. The Project site is not within two miles of a public or private airport. The Project is not within the Redlands Airport Land Use Compatibility Plan. **No impacts** would occur with the Project.

f) The Project site is located between Oak Glen Road to the south and Bryant Street to the east. The subject site is currently designated as CN. The subject site is currently designated for commercial uses, and upon development of the proposed Project, would have **no impact** on access to users traveling along the public right-of-way.

g) The project area is outside of the special Fire Safety Review Area listed in the VHFHSV (Very High Fire Hazard Severity Zones) in the Local Responsibility Area (LRA). However, risks to future development from fire hazards are addressed through adherence to the City's Standard Conditions of Approval and the City's adopted California Fire Code, as required by the City's Fire Department, which includes provisions for adequate fire access that are addressed through the Project's internal circulation design, sprinkler water systems within habitable living spaces, and the placement of new fire hydrants at applicable intervals that meet the water flow requirements of the Fire Code. The project would have a **less than significant** impact.

HYDROLOGY AND WATER QUALITY

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
10. **HYDROLOGY AND WATER QUALITY**. Would the project:				
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?			☒	
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?			☒	
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:			☒	
(i) result in a substantial erosion or siltation on- or off-site;			☒	
(ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite;			☒	
(iii) create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or			☒	
(iv) impede or redirect flood flows?			☒	
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?			☒	
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?			☒	

To support the Project's analysis, Blue Engineering and Consulting, inc. prepared a Preliminary Hydrology Report, dated May 2023 and revised in August 2023, which is attached as Appendix F.

a) Three general sources of potential short-term, construction-related stormwater pollution associated with the proposed Project include 1) the handling, storage, and disposal of construction materials containing pollutants; 2) the maintenance and operation of construction equipment; and 3) earthmoving activities which, when not controlled, may generate soil erosion via storm runoff or mechanical equipment. The proposed Project has the potential to release water pollutants during the construction and operation phases, which would have the potential to violate water quality standards. However, the Project is required to prepare and implement a Storm Water Pollution Prevention Plan (SWPPP) for construction and a Water Quality Management Plan (WQMP) for operations and will continue compliance with existing regulations to address concerns regarding potential impacts related to hydrology and water quality.

The City does not require that the WQMP be drafted during the pre-entitlement phase. However, the Project's WQMP would include BMPs to be implemented during post-construction operations in order to ensure compliance with Regional Water Quality Control Board (RWQCB) water quality standards. The WQMP will be an active plan to be implemented throughout the life of Project and will require routine inspections by a qualified water quality specialist to assure compliance with the Santa Ana RWQCB. This will ensure that the Project's impact with regard to violating any water quality standards will be reduced to **less than significant**.

b) The proposed Project will receive potable water service from the Yucaipa Valley Water District (YVWD). The YVWD is not within a "controlled overdraft condition" and, therefore, is not limited to providing groundwater to the proposed Project. The proposed Project has no plans to directly tap into groundwater within the YVWD's region or basin. As part of the Project application, the applicant obtained a letter from the YVWD noting that they would be able to accommodate the

proposed development, and construction efforts would involve onsite improvements to connect to existing services. Therefore, the proposed project would have a **less than significant** impact.

c (i-iv)) The Project site is adjacent to the Wilson Creek stream/channel. The Project area is relatively flat but slopes down from the northwest corner to the southwest corner of the Project area at a 6.4% grade. Upon completion of the project, the grade will be decreased, and appropriate gutter and flood mitigation will need to be implemented. According to the Preliminary Hydrology Report (Appendix F), the existing blue line creek stream has been channelized, and therefore, the proposed Project would not redirect flood flows or interfere with the stream's character or direction.

In compliance with stormwater discharges, the Project will be conditioned by the City to apply to the State Water Resources Control Board (SWRCB) for coverage under the Construction General Permit (Order No. 99-08-DWQ) (CAS000002), which applies to all stormwater discharges from Projects where clearing, grading, and excavation result in soil disturbance of at least one acre or more. The Project's area of disturbance encompasses approximately 17.46 acres. The Construction General Permit requires an applicant to prepare and implement a Storm Water Pollution Prevention Plan (SWPPP), which would include a list of best management practices (BMPs) that would be implemented to prevent soil erosion and to contain the potential for discharge of construction-related pollutants that could contaminate nearby water resources. The SWPPP may include, but not be limited to, the following BMPs:

- Temporary Soil Stabilization: sandbag barriers, straw bale barriers, sediment traps, and fiber rolls;
- Temporary Sediment Control: hydraulic mulch and geotextiles;
- Wind Erosion Control: water of the construction site, straw mulch;
- Tracking Control: staging/storage area and street sweeping;
- Non-Stormwater Management: clear water diversion and dewatering; and,
- Waste Management and Materials Pollution Control: vehicle and equipment cleaning, concrete waste management, and contaminated soil management.

This will ensure that the Project's impact with regard to drainage patterns will be reduced to **less than significant**.

d) Per the FEMA National Flood Hazard Layer Map the project area is within the 0.2% Annual Chance Flood Hazard zone and borders the 1% Annual Chance Flood Hazard zone. Per the Figure S-2b Floodplain Map within the City's General Plan (City of Yucaipa, 2024) The proposed Project is bordered by the 100-year flood zone, and a small portion of the project area is within the 100-year floodway. However, that area is designated as a park. The majority of the Project is within a 500-year floodway. However, the proposed Project will create and maintain an on-site drainage system consisting of storm drain mainlines, a catch basin, curb drains, and a detention/infiltration basin. These measures would reduce risk of flooding and complies with the City and County's requirements of flood protection, therefore the proposed Project's impact would be **less than significant.**

e) The proposed Project would not conflict with or obstruct implementation of relevant water quality control plans or sustainable groundwater management plans. The Yucaipa area is governed by the Water Quality Control Plan for the Santa Ana Region, which aims to preserve and enhance the quality of surface and groundwater resources within the watershed. This plan includes policies for managing water quality and implementing best management practices (BMPs) to minimize pollution from urban runoff and other sources. Additionally, the Yucaipa Sustainable Groundwater Management Agency (SGMA) oversees the implementation of the Groundwater Sustainability Plan (GSP) for the Yucaipa Subbasin. The GSP, approved by the California Department of Water Resources in January 2024, outlines strategies for sustainable groundwater management to ensure long-term water availability for the community. This includes monitoring groundwater levels, managing recharge activities, and controlling groundwater extraction to avoid adverse impacts such as overdraft and land subsidence.

The proposed Project will adhere to the guidelines and requirements set forth in both the Water Quality Control Plan for the Santa Ana Region and the Yucaipa Subbasin GSP. This includes implementing BMPs during construction and operation to control stormwater runoff, prevent contamination, and manage water use efficiently. As such, the Project will not conflict

with or obstruct the objectives of these plans, and any potential impacts on water quality and groundwater resources will be **less than significant**.

LAND USE AND PLANNING

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
11. **LAND USE AND PLANNING**. Would the project:				
a) Physically divide an established community?				☒
b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?			☒	

a) Dividing an established community typically involves creating a physical barrier that changes the connectivity between areas of the community. The development of the Project area with a residential use development would not bisect any portion of the surrounding residential land designations and would be completely contained within the Project area parcels. As such, the Project would not physically divide an established community and would have **no impact.**

b) The proposed Project would implement a new specific plan and develop standards for a residential and commercial, or an entirely residential project where only commercial uses were permitted before. The development of additional housing opportunities is to address the retail commercial market limitations, which has resulted in limited demand for development on the subject property and the adjoining Neighborhood Commercial (CN) designated parcels, and to provide an opportunity for the City to achieve its Regional Housing Needs Assessment. These modifications are not tied to a specific measure for mitigating an environmental effect, and therefore would not conflict with an applicable land use plan or policy. Therefore, the proposed Project's impact would be **less than significant**.

MINERAL RESOURCES

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
12. **MINERAL RESOURCES.** Would the project:				
a) Result in the loss of availability of a known mineral resource that would be a value to the region and the residents of the state?				☒
b) Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?				☒

a-b) The City General Plan indicates the entire City is within an MRZ-3 (Mineral Resource Zone 3) classification, in which the significance of mineral deposit cannot be evaluated. No mining activities currently occur in the area, and no significant mineral resources are known to exist within the City of Yucaipa. Due to the size of the Project site and proximity to residential and other commercial uses, the site is unlikely to be considered a viable site for mineral extraction. The proposed Project would have **no impact**.

NOISE

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
13. **NOISE.** Would the project result in:				
a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?		☒		
b) Generation of excessive groundborne vibration or groundborne noise levels?			☒	
c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?				☒

a) The proposed commercial development of 8,000 square feet (SF) fast-food restaurants without drive-throughs and the residential development of 145 townhome units, or, alternatively, the development of only 153 townhome units, is not expected to generate a substantial or temporary noise increase during construction activities, as standard construction activities and equipment will be used. Construction activities shall be restricted to weekdays between 7:00 a.m. and 7:00 p.m. only. Construction equipment shall be muffled in accordance with manufacturer's specifications. These short-term impacts should not exceed noise thresholds established in the City's General Plan.

Operational impacts to ambient noise after construction of the residential development consisting of 145 townhome units would be minimal. The Project would be within an area surrounded by residential single-family structures, including the mobile homes northwest of the site, that are of a similar nature. The Project's planned 8,000 square foot commercial restaurant space would not change the uses currently permitted for the site, and would be within a short proximity (~145 feet north) of existing commercials spaces. Operation of the Project would generate noise through general residential activities, kitchen equipment, ventilation systems, verbal interactions between customers and service staff, occasional deliveries, and mechanical equipment. These impacts would be minimal and therefore would not generate a substantial or temporary noise increase during operational hours. Adherence with the Municipal Code and implementation of mitigation measures NOI-1 through NOI-7 would result in a **less than significant impact with mitigation**.

b) The proposed Project would mostly consist of construction vibratory impacts to the surrounding environment. The construction vibratory impacts would be temporary in nature. During the construction phases for the Project, noise and vibration will be generated from typical activities associated with new building construction, which includes the use of grading equipment, hammers, nail guns, and other typical construction techniques. No unique construction techniques or pilings would be required as part of construction that might cause excessive ground-borne vibration. Section 87.0905(e) of the Municipal Code allows for "Temporary construction, repair, or demolition activities between 7am and 7pm, except Sundays and Federal holidays". The Project is expected to be in compliance with the City's noise standards and impacts related to groundborne vibration and groundborne noise levels as a result of the Project to be **less than significant**.

c) The Project site is not within two miles of a public or private airport. The nearest airport is Redlands Municipal Airport (REI), which is located over five (5) miles north of the Project site. In addition, the Project is not within the Redlands Airport Land Use Compatibility Plan. Therefore, the Project would be of **no impact**.

Mitigation Measures:

NOI-1: During all Project site excavation and grading on-site, construction contractors shall equip all construction equipment, fixed or mobile, with properly operating and maintained mufflers, consistent with manufacturer standards.

NOI-2: The contractor shall place all stationary construction equipment so that emitted noise is directed away from the noise sensitive receptors nearest the Project site.

NOI-3: Equipment shall be shut off and not left to idle when not in use.

NOI-4: The contractor shall locate equipment staging in areas that will create the greatest distance between construction-related noise/vibration sources and sensitive receptors nearest the Project site during all Project construction.

NOI-5: Jackhammers, pneumatic equipment and all other portable stationary noise sources shall be shielded and noise shall be directed away from sensitive receptors.

NOI-6: The Project proponent shall mandate that the construction contractor prohibit the use of music or sound amplification on the Project site during construction.

NOI-7: The construction contractor shall limit haul truck deliveries to the same hours specified for construction equipment.

POPULATION AND HOUSING

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
14. **POPULATION AND HOUSING.** Would the project:				
a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?			☒	
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?				☒

a) The proposed Project site is located within an area of the City generally developed with commercial, public facilities, and residential uses and involves the construction of residential developments for 145 townhome units, or a maximum of 153. The proposed Project would result in a net total of 145 dwelling units, or a population increase of 420.5 based on Yucaipa's average household size of 2.9 persons. Yucaipa is expected to grow in population by 33 percent between 2020 and 2040, about 10 percent per decade. (Yucaipa General Plan 2021-2029 Housing Element), and has a Regional Housing Needs Assessment for the 2021-2029 planning period of 2,866 units. The proposed Project's population increase is expected to be within the average 10 percent of growth per decade.

The proposed Project would be located within Oak Glen Road and Bryant Street, two major highways within the City, which both feature existing infrastructure, including transit stops, and therefore substantial infrastructure extensions are not required. As such, impacts are expected to be **less than significant.**

b) The proposed Project would not result in the demolition of any residences nor displace any housing that would necessitate the construction of replacement housing elsewhere. Therefore, the Project would have **no impact** on the displacement of people or necessitate replacement housing elsewhere.

PUBLIC SERVICES

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
15. **PUBLIC SERVICES**. Result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services:				
a) Fire protection?			☒	
b) Police protection?			☒	
c) Schools?			☒	
d) Parks?			☒	
e) Other public facilities?			☒	

a) The City of Yucaipa is currently served by the California Department of Forestry (CAL FIRE). The Project site is accessible from an existing improved street and new on-site streets will be designed consistent with City Engineering and Fire Department standards and would not require unique or altered fire protection services. As a standard condition of approval, developers are required to pay development impact fees for fire facilities to offset the Project's incremental need for fire protection services. In addition, the City has adopted Resolution 2024-53, which establishes a Community Facilities District (CFD) requirement for new development to ensure that new development's long-term service obligations, including fire services, are met by the revenue from the Project. The proposed Project would have a **less than significant** impact on fire protection services and would not affect fire department service ratios or response times, nor would it require the construction of any new fire facilities.

b) The San Bernardino County Sheriff's Department currently serves the Project site and surrounding area. As a standard condition of approval, the Project would be required to pay development impact fees for police protection based upon the size of the Project site. In addition, the City has adopted Resolution 2024-53, which establishes a CFD requirement for new development to ensure that new development's long-term service obligations, including police services, are met by the revenue from the Project. The proposed Project would therefore have a **less than significant** impact. Additionally, the Conditions of Approval includes requirements for security cameras onsite, as well as adequate lighting, which would support general provisions of Crime Prevention through Environmental Design (CPTED) for the operation of the site.

c) The Yucaipa-Calimesa Joint Unified School District (YCJUSD) would serve future residents of the Project. As a standard condition of approval, developers are required to pay development impact fees to YCJUSD for school facilities prior to issuance of building permits. Under State law, impacts to school facilities are addressed by the State of California through specific procedures, such as development impact fees and the issuance of bonds. Therefore, the Project would have a **less than significant** impact.

d) The proposed Project will involve new residential development and, therefore, potentially increase the number of potential park users or affect existing park facilities at the nearby Yucaipa Community Park approximately 825 feet west of the Project area. The City of Yucaipa has adopted development impact fees to off- set the potential impact of new users caused by new development. Any future residences will be required to pay these development impact fees. In addition, the proposed Project also includes its own internal park facilities that will serve the future residents of the development. Therefore, the proposed Project will be **less than significant.**

e) The proposed Project would not require new or altered public facilities or services. The City requires future development to pay development impact fees for a variety of public facilities, including drainage improvements, traffic, and civic center

facilities. In addition, the Project will complete street improvements and onsite drainage improvements to meet state and local requirements, and impacts have been addressed as part of this MND. In addition, the City has adopted Resolution 2024-53, which establishes a Community Facilities District (CFD) requirement for new development to ensure that new development's long-term service obligations, including public facilities, are met by the revenue from the Project. Other necessary improvements, such as water and sewer facilities, would be provided by other agencies that have the ability to require necessary facilities to be installed by the developer and/or require payment of fees to provide that service. Therefore, the Project would have a **less than significant** impact.

RECREATION

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
16. **RECREATION.**				
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?			☒	
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment			☒	

a-b) See response to 15d above. The Project would lead to a slight increase in the use of the neighboring park's recreational facilities due to the proximity of the park and the number of proposed residents. However, given the minimal population increase from the proposed Project, as well as the planned amenities for its residents, impacts would be **less than significant**.

TRANSPORTATION/TRAFFIC

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
17. **TRANSPORTATION/TRAFFIC.** Would the project:				
a) Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?			☒	
b) Conflict or be inconsistent with CEQA Guidelines § 15064.3, subdivision (b)?			☒	
c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?				☒
d) Result in inadequate emergency access?				☒

To support the analysis of the Project, a Vehicle Miles Traveled (VMT) Screening Evaluation was prepared by Urban Crossroads on July 30th, 2024, and is attached as Appendix G.

a-b) The proposed Project would not change the designated zoning of the Project but would change the land use to a mixed commercial residential from the currently existing use of vacant lot. The VMT Screening Evaluation has been prepared in accordance with City TIA Guidelines, which were developed based on guidance from the Office of Planning and Research (OPR) Technical Advisory on Evaluating Transportation Impacts in CEQA (State of California, December 2018) ["OPR Technical Advisory"]. In general terms, VMT quantifies the amount and distance of automobile travel attributable to a project or region. The OPR Technical Advisory provides technical considerations regarding methodologies and thresholds with a focus on office, residential, and retail developments as these projects tend to have the greatest influence on VMT.

The City TIA Guidelines identify screening criteria for certain types of projects that typically reduce VMT and may be presumed to result in a less than significant VMT impact. The Project need only satisfy one of the following screening criteria:

- Projects located within a Transit Priority Area (TPA)
  - Projects located within a one-half mile radius of major transit stop or high-quality transit corridor.
- Projects located within a low VMT area
  - Site location can be verified with the web-based or map-based VMT Screening Tool
- Project Type Screening
  - Local Serving land use
  - Community institutions
  - Supportive/affordable housing
  - Projects with trip generate less than net new 400 daily vehicles trips (ADT)

Per the VMT analysis, the proposed Project would not exceed the County of San Bernardino average total daily VMT per service population. The City's TIA Guidelines identify a low VMT area as an individual Traffic Analysis Zone (TAZ) where total daily VMT per service population is below the County of San Bernardino average total daily VMT per service population.

The Project TAZ 53851201 was found to have a VMT per service population of 34.3, which is below the County of San Bernardino baseline average daily 38.8 VMT per service population. Accordingly, the Project is located within a low VMT area. Therefore, the Project wholly meets the Low VMT Area screening criteria and is therefore presumed to have a **less than significant** impact.

c) The Project would not result in the modification of existing adjacent roadways in such a way that would increase hazards to the roadway's geometric design. The proposed Project is designed similarly to the already existing residential

development near the site and is compatible with the residential development. The Project's designed driveways were included to provide safe ingress and egress to the neighboring streets of Bryant Street and Oak Glen Road. The Project does not include any modifications to this street and does not require temporary closure for construction. Therefore, the Project would have **no impact**.

d) The proposed Project would be within compliance of California Fire Code Section 503 (2007) and the City of Yucaipa's Fire Code section 15.04.110 that requires all projects maintain egress to emergency response vehicles and personnel. These requirements would also allow for building and emergency access. Onsite driveways and parking would be designed to be consistent with the City's Engineering and Fire Department standards, and include adequate driveway widths, and adequate ingress and egress width for fire and first responder vehicles. Prior to the Project's approval, Yucaipa Fire Department staff would formally review all Project plans to ensure compliance with applicable fire safety requirements, ensuring that emergency access is adequate. Therefore, the Project would have **no impact**.

TRIBAL RESOURCES

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
18. **TRIBAL RESOURCES.** Would the project:				
a) Cause a substantial adverse change in the significance of a Tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American Tribe, and that is:				
(i) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or		☒		
(ii) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code § 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code § 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.		☒		

This analysis is based on the Phase I Cultural Resources Assessment prepared VCS Environmental in February 2022, and is attached as Appendix C.

a (i-ii)). An information center records search was conducted at the South Central Coastal Information Center (SCCIC) at the California State University, Fullerton to determine if any known cultural resources were recorded within a half-mile of the Project area. The SCCIC lists 12 cultural resources within a half-mile of the Project site. Of the twelve resources, at least two are prehistoric; however, none are within the Project site. Prehistoric site P-36-000911 (CA-SBR-911) appears to have been a camp and food processing site, with groundstone tools and hammerstones for the processing of materials. The second site is made up of a single obsidian flake. Additionally, during the Sacred Lands Files (SLF) Search, the Yuhaaviatam of San Manuel Nation stated that the space is of a sensitive nature for tribal resources. Because of the proximity of these sites and the results of the SLF Search, the Project has a heightened sensitivity for cultural resources but would have a **less than significant impact with Mitigation** Measures CUL-1 through CUL-4.

Mitigation Measures:

CUL-1: The applicant shall retain a qualified archaeologist and Native American Tribal representative to monitor grading of the site. At the Project pre-grading meeting, the archaeologist, the Native American tribal representative(s), the Applicant, and the excavation and grading contractor shall discuss appropriate grading and ground disturbing methods within archaeologically and culturally sensitive areas within the Project. Should the archaeologist, after consultation with the appropriate Native American tribe(s), find the potential exists for impacts to archaeological resources, cultural resources, and/or sacred sites, the archaeologist and the Native American tribal representative(s) shall actively monitor Project-related grading and shall have the authority to temporarily divert, redirect, or halt grading activity to allow recovery of archaeological and/or cultural resources.

CUL-2: The Applicant shall retain a qualified paleontologist to observe grading activities and salvage and catalogue fossils, as necessary. The paleontologist shall be present at the pre-grade conference, shall establish procedures for paleontological resource surveillance, and shall establish, in cooperation with the Applicant and City, procedures for temporarily halting or redirecting work to permit sampling, identification, and evaluation of the fossils. If the paleontological resources are found to be significant, the paleontologist shall determine appropriate actions, in cooperation with the Applicant, which ensure proper exploration and/or salvage.

CUL-3: If paleontological resources are uncovered and after completion of the Project, the Applicant shall submit the paleontologist's follow-up report for approval by the City of Yucaipa. The report shall include the period of inspection, a catalogue and analysis of the fossils found, and the present repository of the fossils. Excavated material shall be prepared to the point of identification. The Applicant shall offer excavated finds for curatorial purposes to the City of Yucaipa or its designee, on a first refusal basis. These actions, as well as final mitigation and disposition of the resources, shall be subject to approval by the City of Yucaipa. Applicant shall pay curatorial fees for the storage of these resources in perpetuity.

CUL-4: Project-related earth disturbance has the potential to unearth previously undiscovered human remains, resulting in a potentially significant impact. If human remains are encountered during excavation activities, all work shall halt and the County Coroner shall be notified (California Health and Safety Code, §7050.5). The Coroner will determine whether the remains are of forensic interest. If the Coroner determines that the remains are prehistoric, he/she will contact the NAHC within 24 hours. The NAHC is responsible for immediately designating the MLD, who will be responsible for the ultimate disposition of the remains, as required by Section 5097.98 of the California Public Resources Code. The MLD shall make his/her recommendation within 48 hours of being granted access to the site. The MLD's recommendation shall be followed if feasible and may include scientific removal and nondestructive analysis of the human remains and any items associated with Native American burials. If the landowner rejects the MLD's recommendations, the landowner shall rebury the remains with appropriate dignity on the property in a location that will not be subject to further subsurface disturbance.

UTILITIES AND SERVICE SYSTEMS

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
19. **UTILITIES AND SERVICE SYSTEMS.** Would the project:				
a) Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?			☒	
b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?			☒	
c) Result in a determination by the waste water treatment provider, which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments			☒	
d) Generate solid waste in excess of state or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?			☒	
e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?			☒	

a-c) Yucaipa Valley Water District (YVWD) provides potable water and wastewater treatment facilities for the Project site. The YVWD had been in a controlled overdraft condition as the water table had dropped due to prior years of drought. However, infrastructure improvements have been developed to increase their storage capabilities to meet the demand of future residents and businesses based on the City's General Plan. This includes several recharge facilities developed by the City of Yucaipa, and the expansion of YVWD's recycled water program. As part of the Project application, the applicant obtained a letter from the utility provider noting that they would be able to accommodate the proposed development, and construction efforts would involve onsite improvements to connect to existing services. Therefore, the impacts would be **less than significant**.

d) Solid waste services in the City of Yucaipa are provided by Burrtec and disposed of within the San Timoteo Sanitary Landfill. According to information from the CalRecycle website, operated by the State of California, this landfill has an average annual receiving capacity of 500,000 to 730,999 tons per year, and has a remaining capacity of over 21.4 million cubic yards until the year 2039. Information on the CalRecycle website provides solid waste characterization databases by types of use, referenced from various environmental documents. Given that the site is not currently in use, the Proposed Project aims to develop building facilities and commence operations. As such, the change in waste generation would be nominal relative to existing conditions and impacts would be **less than significant**.

e) Per Title 8, Chapter 8.28 of the Municipal Code, all properties within the City are required to subscribe to refuse collection and handling services. The program is designed to collect trash, recyclables, green waste, and organic waste and to assist the City in meeting mandated AB 939 diversion goals established by the State of California. Solid waste collection and recycling services pursuant to Chapter 8.28 are a mandatory requirement for all new development in the City of Yucaipa. The Project will continue to be served by the City-approved waste disposal service, which is currently served by a contract through Burrtec Wastes Industries, Inc. for waste collection. With the Project's adherence to Chapter 8.28 guidelines, Project impacts in regard to compliance with federal, state and local management regulations will be reduced to **less than significant**.

WILDFIRE

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
20: **Wildfire:** Would the project:				
a) Substantially impair an adopted emergency response plan or emergency evacuation plan?			☒	
b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?			☒	
c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?			☒	
d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?			☒	

a) The Project is located between Oak Glen Road and Bryant Street. Figure S-5 of the Yucaipa General Plan designates Oak Glen and Bryant Street as a local evacuation route. No road closures are planned as part of the development, and the overall capacity of these roadways would be maintained. Therefore, the Project will not impair implementation of an adopted emergency response plan or an emergency evacuation plan and impacts would be **less than significant**.

b-d) According to CAL FIRE, half of the City of Yucaipa is designated as a very high fire severity zone (VHFSZ). The proposed Project site is located outside of the VHFSZ, but would be subject to the standard Fire Department's conditions of approval to reduce fire related risks, and the Project design includes several different points of access. In addition, the City has also adopted the most recent version of the California Building and Fire Codes, which includes sections on fire-resistant construction material requirements based on building use and occupancy. The construction requirements are a function of building size, purpose, type, materials, location, proximity to other structures, and the type of fire suppression systems installed. Through these standard requirements, impacts from fire-related hazards would be **less than significant**.

MANDATORY FINDINGS OF SIGNIFICANCE

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
19. **MANDATORY FINDINGS OF SIGNIFICANCE.**				
a) Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?			☒	
b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)?		☒		
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?			☒	

a) The proposed Project will not result in significant impacts that have the potential to degrade the quality of the environment. The Project site does not feature any critical natural habitat and would not cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, or reduce the number or restrict the range of a rare or endangered plant or animal. In addition, no significant cultural resources were identified onsite, and the Project would therefore not eliminate important examples of the major periods of California history or prehistory. Therefore, impacts would be **less than significant**.

b) The proposed Project would maintain the current land use zoning type but would develop 145 single family housing units and 8,000 square feet of commercial space. The development of this Project would temporarily increase GHG, Air Quality, Noise, and Energy during the construction and development. Operation of the Project's residential and commercial spaces would be of similar use to the surrounding area's land uses such as the residential neighborhood to the north and northwest and the commercial spaces located to the south and southeast.

Given the analysis contained herein related to the potential development that could occur, the cumulative effects of this Project are not expected to result in significant impacts with the suggested mitigation measures provided. The evaluation of the proposed Project utilized a variety of topical sections, including: agriculture, biology, cultural, air quality, geology/soils, greenhouse gases, hydrology, land use, noise, land use, mineral resources, population and housing, recreation, transportation, tribal cultural resources, utilities and wildfire. The analysis of the Project did not identify potential significant or cumulative impacts that could not be mitigated, and thus potential impacts are **less than significant with mitigation**.

c) Future development as part of the Project will involve site improvements that are to be constructed consistent with existing City regulations, standards, and processes, and those of other agencies. The topical issues discussed within this document did not identify the potential for adverse effects due, in part, to the incorporation of mitigation measures and standard Conditions of Approval that apply to the development, which address potential impacts or adverse effects on human beings. Therefore, impacts from the proposed Project would be **less than significant**.

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RESIDENCES AT OAK GLEN CREEK SPECIFIC PLAN DEVELOPMENT

APPENDIX A – AIR QUALITY IMPACT ANALYSIS

Oak Glen Townhomes

AIR QUALITY IMPACT ANALYSIS

CITY OF YUCAIPA

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AUGUST 30, 2024

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LIST OF ABBREVIATED TERMS

%	Percent
°F	Degrees Fahrenheit
(1)	Reference
µg/m^3	Microgram per Cubic Meter
1992 CO Plan	*1992 Federal Attainment Plan for Carbon Monoxide*
1993 CEQA Handbook	*SCAQMD's CEQA Air Quality Handbook (1993)*
2020-2045 RTP/SCS	*2020-2045 Regional Transportation Plan/Sustainable Communities Strategy*
AB 2595	California Clean Air Act
AQIA	Air Quality Impact Analysis
AQMP	Air Quality Management Plan
BACT	Best Available Control Technology
C_2H_3Cl	Vinyl Chloride
CAA	Federal Clean Air Act
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emissions Estimator Model
CalEPA	California Environmental Protection Agency
CALGreen	California Green Building Standards Code
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CCR	California Code of Regulations
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CEQA Guidelines	*CEQA Statute and Guidelines*
City	City of Yucaipa
CO	Carbon Monoxide
COHb	Carboxyhemoglobin
EC	Elemental Carbon
EIR	Environmental Impact Report
EMFAC	Emissions FACtor Model
EPA	Environmental Protection Agency
EV	Electric Vehicle
GHG	Greenhouse Gas
H_2S	Hydrogen Sulfide
HI	Hazard Index
hp	Horsepower

lbs	Pounds
lbs/day	Pounds Per Day
LST	Localized Significance Threshold
LST Methodology	*Final Localized Significance Threshold Methodology*
MICR	Maximum Individual Cancer Risk
mph	Miles Per Hour
MWELO	California Department of Water Resources' Model Water Efficient
N_2	Nitrogen
N_2O	Nitrous Oxide
NAAQS	National Ambient Air Quality Standards
NO	Nitric Oxide
NO_2	Nitrogen Dioxide
NO_X	Nitrogen Oxides
O_2	Oxygen
O_3	Ozone
O_2 Deficiency	Chronic Hypoxemia
ODC	Ozone Depleting Compounds
Pb	Lead
PM	Particulate Matter
PM_{10}	Particulate Matter 10 microns in diameter or less
$PM_{2.5}$	Particulate Matter 2.5 microns in diameter or less
ppm	Parts Per Million
Project	Oak Glen Townhomes
RECLAIM	Regional Clean Air Incentives Market
ROG	Reactive Organic Gases
SB	Senate Bill
SCAB	South Coast Air Basin
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
sf	Square Feet
SIPs	State Implementation Plans
SO_2	Sulfur Dioxide
SO_4	Sulfates
SO_X	Sulfur Oxides
SRA	Source Receptor Area
TAC	Toxic Air Contaminant
Title 24	California Building Code

TITLE I	Non-Attainment Provisions
TITLE II	Mobile Sources Provisions
VMT	Vehicle Miles Traveled
VOC	Volatile Organic Compounds
vph	Vehicles Per Hour

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EXECUTIVE SUMMARY

ES.1 SUMMARY OF FINDINGS

The results of this *Oak Glen Townhomes Air Quality Impact Analysis* (AQIA) are summarized below based on the significance criteria in Section 3 of this report consistent with Appendix G of the *Guidelines for Implementation of the California Environmental Quality Act* (*CEQA Guidelines*) (1). Table ES-1 shows the findings of significance for each potential air quality impact under the California Environmental Quality Act (CEQA).

TABLE ES-1: SUMMARY OF CEQA SIGNIFICANCE FINDINGS

Analysis	Report Section	Significance Findings	
		Unmitigated	Mitigated
Regional Construction Emissions	3.4	*Less Than Significant*	*n/a*
Localized Construction Emissions	3.7	*Less Than Significant*	*n/a*
Regional Operational Emissions	3.5	*Less Than Significant*	*n/a*
Localized Operational Emissions	3.8	*Less Than Significant*	*n/a*
CO "Hot Spot" Analysis	3.9	*Less Than Significant*	*n/a*
Air Quality Management Plan	3.10	*Less Than Significant*	*n/a*
Sensitive Receptors	3.11	*Less Than Significant*	*n/a*
Odors	3.12	*Less Than Significant*	*n/a*
Cumulative Impacts	3.13	*Less Than Significant*	*n/a*

ES.2 REGULATORY REQUIREMENTS

There are numerous requirements that development projects must comply with by law, and that were put in place by federal, State, and local regulatory agencies for the improvement of air quality.

Any operation or activity that might cause the emission of any smoke, fly ash, dust, fumes, vapors, gases, or other forms of air pollution, which can cause damage to human health, vegetation, or

other forms of property, or can cause excessive soiling on any other parcel shall conform to the requirements of the South Coast Air Quality Management District (SCAQMD).

SCAQMD RULES

SCAQMD Rules that are currently applicable during construction activity for this Project are described below.

SCAQMD RULE 402

A person shall not discharge from any source whatsoever such quantities of air contaminants or other material that cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or that endanger the comfort, repose, health, or safety of any such persons or the public, or that cause, or have a natural tendency to cause, injury or damage to business or property. The provisions of this rule do not apply to odors emanating from agricultural operations necessary for the growing of crops or the raising of fowl or animals.

Odor Emissions. All uses shall be operated in a manner such that no offensive odor is perceptible at or beyond the property line of that use.

SCAQMD RULE 403

This rule is intended to reduce the amount of particulate matter entrained in the ambient air as a result of anthropogenic (human-made) fugitive dust sources by requiring actions to prevent and reduce fugitive dust emissions. Rule 403 applies to any activity or human-made condition capable of generating fugitive dust and requires best available control measures to be applied to earth moving and grading activities.

Dust Control, Operations. Any operation or activity that might cause the emission of any smoke, fly ash, dust, fumes, vapors, gases, or other forms of air pollution, which can cause damage to human health, vegetation, or other forms of property, or can cause excessive soiling on any other parcel, shall conform to the requirements of the SCAQMD.

SCAQMD RULE 1113

This rule serves to limit the VOC content of architectural coatings used on projects in the South Coast Air Basin. This rule applies to any person who supplies, sells, offers for sale, or manufactures any architectural coating for use on projects.

SCAQMD RULE 1301

This rule is intended to provide that pre-construction review requirements to ensure that new or relocated facilities do not interfere with progress in attainment of the National Ambient Air Quality Standards (NAAQS), while future economic growth within the South Coast Air Basin is not unnecessarily restricted. The specific air quality goal is to achieve no net increases from new or modified permitted sources of nonattainment air contaminants or their precursors. Rule 1301 also limits emission increases of ammonia, and Ozone Depleting Compounds (ODCs) from new, modified or relocated facilities by requiring the use of Best Available Control Technology (BACT).

SCAQMD RULE 1401

A person shall not discharge into the atmosphere from any single source of emission whatsoever any air contaminant for a period or periods aggregating more than three minutes in any 1 hour that is as dark or darker in shade as that designated No. 1 on the Ringelmann Chart, as published by the United States (U.S.) Bureau of Mines.

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1 INTRODUCTION

This report presents the results of the AQIA prepared by Urban Crossroads, Inc., for the proposed Oak Glen Townhomes Project (Project). The purpose of this AQIA is to evaluate the potential impacts to air quality associated with construction and operation of the Project and recommend measures to mitigate impacts considered potentially significant in comparison to thresholds established by the SCAQMD.

1.1 SITE LOCATION

The proposed project is located on the northwest corner of Bryant Street and Oak Glen Road in the City of Yucaipa, as shown in Exhibit 1-A.

1.2 PROJECT DESCRIPTION

The Project is proposed to consist of 145 detached single family residential dwelling units and 12,000 square feet of retail uses, which for the purposes of this assessment will evaluate 100% of in-line fast-food restaurants without drive-through window in an effort to conduct a conservative analysis. A preliminary site plan for the proposed Project is shown on Exhibit 1-B. The Project is anticipated to have an Opening Year of 2026.

EXHIBIT 1-A: LOCATION MAP

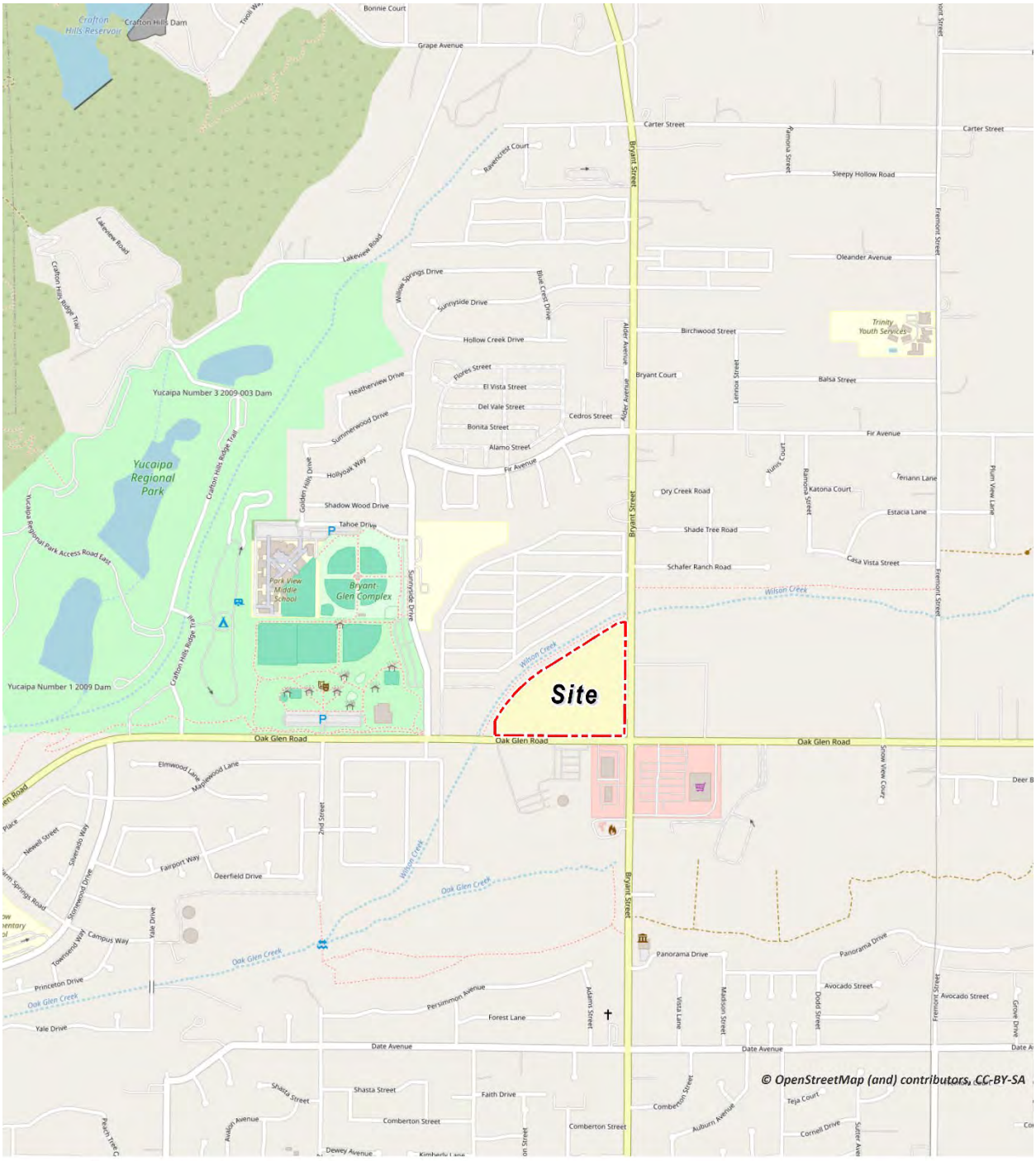
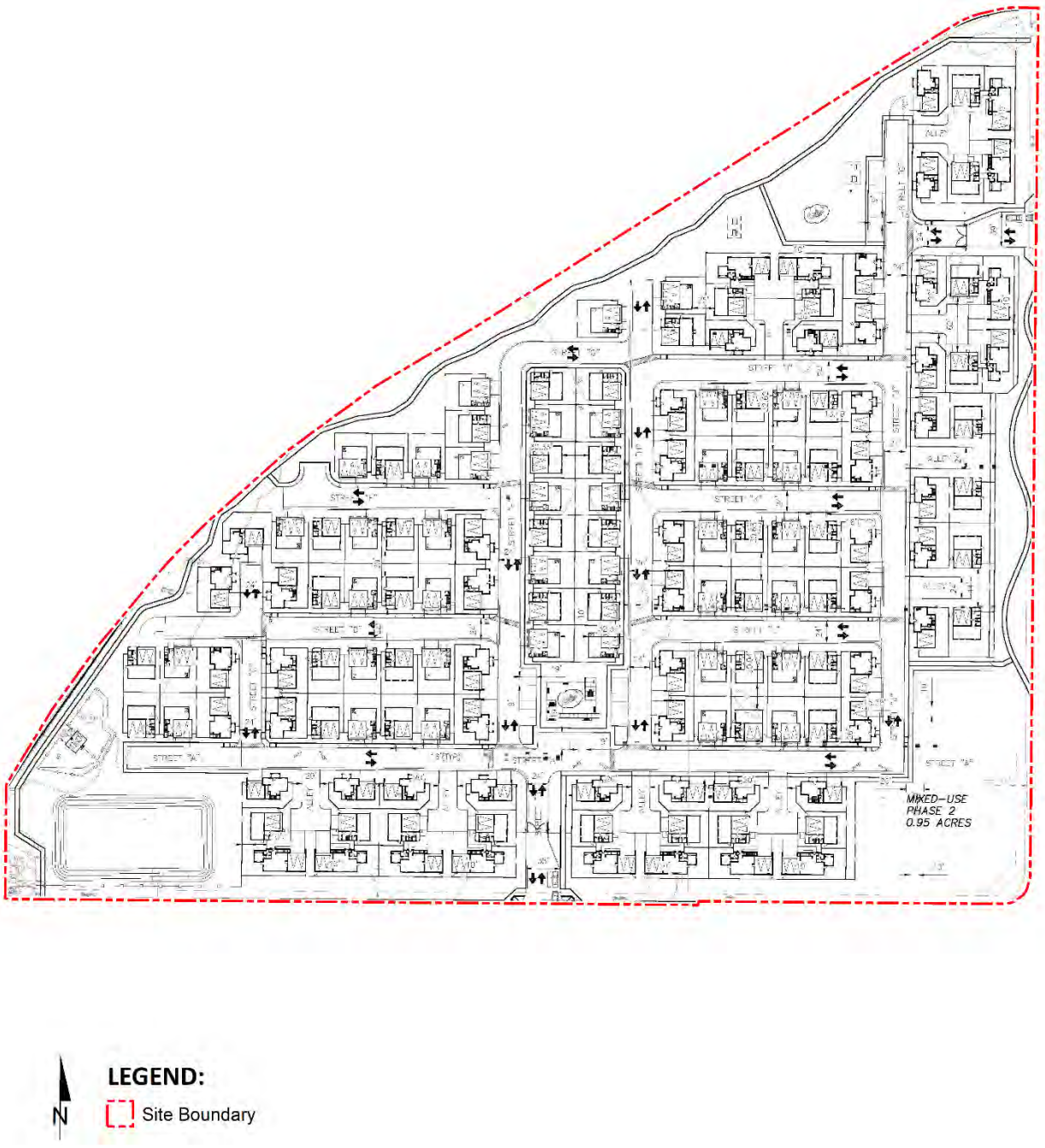


EXHIBIT 1-B: PRELIMINARY SITE PLAN



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2 AIR QUALITY SETTING

This section provides an overview of the existing air quality conditions in the Project area and region.

2.1 SOUTH COAST AIR BASIN

The Project site is located in the South Coast Air Basin (SCAB) within the jurisdiction of SCAQMD (2). The SCAQMD was created by the 1977 Lewis-Presley Air Quality Management Act, which merged four county air pollution control bodies into one regional district. Under the Act, the SCAQMD is responsible for bringing air quality in areas under its jurisdiction into conformity with federal and state air quality standards. As stated, the Project site is located within the SCAB, a 6,745-square-mile subregion of the SCAQMD, which includes the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties, and all of Orange County.

The SCAB is bounded by the Pacific Ocean to the west and the San Gabriel, San Bernardino, and San Jacinto Mountains to the north and east, and the San Diego Air Basin to the south.

2.2 REGIONAL CLIMATE

The regional climate has a substantial influence on air quality in the SCAB. In addition, the temperature, wind, humidity, precipitation, and amount of sunshine influence the air quality.

The annual average temperatures throughout the SCAB vary from the low to mid 60s (degrees Fahrenheit [°F]). Due to a decreased marine influence, the eastern portion of the SCAB shows greater variability in average annual minimum and maximum temperatures. January is the coldest month throughout the SCAB, with average minimum temperatures of 47°F in downtown Los Angeles and 36°F in San Bernardino. All portions of the SCAB have recorded maximum temperatures above 100°F.

Although the climate of the SCAB can be characterized as semi-arid, the air near the land surface is quite moist on most days because of the presence of a marine layer. This shallow layer of sea air is an important modifier of SCAB climate. Humidity restricts visibility in the SCAB, and the conversion of sulfur dioxide (SO_2) to sulfates (SO_4) is heightened in air with high relative humidity. The marine layer provides an environment for that conversion process, especially during the spring and summer months. The annual average relative humidity within the SCAB is 71% along the coast and 59% inland. Since the ocean effect is dominant, periods of heavy early morning fog are frequent and low stratus clouds are a characteristic feature. These effects decrease with distance from the coast.

More than 90% of the SCAB's rainfall occurs from November through April. The annual average rainfall varies from approximately nine inches in Riverside to fourteen inches in downtown Los Angeles. Monthly and yearly rainfall totals are extremely variable. Summer rainfall usually consists of widely scattered thunderstorms near the coast and slightly heavier shower activity in the eastern portion of the SCAB with frequency being higher near the coast.

Due to its generally clear weather, about three-quarters of available sunshine is received in the SCAB. The remaining one-quarter is absorbed by clouds. The ultraviolet portion of this abundant radiation is a key factor in photochemical reactions. On the shortest day of the year, there are approximately 10 hours of possible sunshine, and on the longest day of the year, there are approximately 14½ hours of possible sunshine.

The importance of wind to air pollution is considerable. The direction and speed of the wind determines the horizontal dispersion and transport of the air pollutants. During the late autumn to early spring rainy season, the SCAB is subjected to wind flows associated with the traveling storms moving through the region from the northwest. This period also brings five to ten periods of strong, dry offshore winds, locally termed "Santa Anas" each year. During the dry season, which coincides with the months of maximum photochemical smog concentrations, the wind flow is bimodal, typified by a daytime onshore sea breeze and a nighttime offshore drainage wind. Summer wind flows are created by the pressure differences between the relatively cold ocean and the unevenly heated and cooled land surfaces that modify the general northwesterly wind circulation over southern California. Nighttime drainage begins with the radiational cooling of the mountain slopes. Heavy, cool air descends the slopes and flows through the mountain passes and canyons as it follows the lowering terrain toward the ocean. Another characteristic wind regime in the SCAB is the "Catalina Eddy," a low level cyclonic (counterclockwise) flow centered over Santa Catalina Island which results in an offshore flow to the southwest. On most spring and summer days, some indication of an eddy is apparent in coastal sections.

In the SCAB, there are two distinct temperature inversion structures that control vertical mixing of air pollution. During the summer, warm high-pressure descending (subsiding) air is undercut by a shallow layer of cool marine air. The boundary between these two layers of air is a persistent marine subsidence/inversion. This boundary prevents vertical mixing which effectively acts as an impervious lid to pollutants over the entire SCAB. The mixing height for the inversion structure is normally situated 1,000 to 1,500 feet above mean sea level.

A second inversion-type forms in conjunction with the drainage of cool air off the surrounding mountains at night followed by the seaward drift of this pool of cool air. The top of this layer forms a sharp boundary with the warmer air aloft and creates nocturnal radiation inversions. These inversions occur primarily in the winter, when nights are longer and onshore flow is weakest. They are typically only a few hundred feet above mean sea level. These inversions effectively trap pollutants, such as nitrogen oxides (NO_X) and carbon monoxide (CO) from vehicles, as the pool of cool air drifts seaward. Winter is therefore a period of high levels of primary pollutants along the coastline.

2.3 WIND PATTERNS AND PROJECT LOCATION

The distinctive climate of the Project area and the SCAB is determined by its terrain and geographical location. The SCAB is located in a coastal plain with connecting broad valleys and low hills, bounded by the Pacific Ocean in the southwest quadrant with high mountains forming the remainder of the perimeter.

Wind patterns across the south coastal region are characterized by westerly and southwesterly onshore winds during the day and easterly or northeasterly breezes at night. Winds are characteristically light although the speed is somewhat greater during the dry summer months than during the rainy winter season.

2.4 CRITERIA POLLUTANTS

Criteria pollutants are pollutants that are regulated through the development of human health based and/or environmentally based criteria for setting permissible levels. Criteria pollutants, their typical sources, and health effects are identified below (3):

TABLE 2-1: CRITERIA POLLUTANTS

Criteria Pollutant	Description	Sources	Health Effects
CO	CO is a colorless, odorless gas produced by the incomplete combustion of carbon-containing fuels, such as gasoline or wood. CO concentrations tend to be the highest during the winter morning, when little to no wind and surface-based inversions trap the pollutant at ground levels. Because CO is emitted directly from internal combustion engines, unlike ozone (O_3), motor vehicles operating at slow speeds are the primary source of CO in the SCAB. The highest ambient CO concentrations are generally found near congested transportation corridors and intersections.	Any source that burns fuel such as automobiles, trucks, heavy construction equipment, farming equipment, and residential heating.	Individuals with a deficient blood supply to the heart are the most susceptible to the adverse effects of CO exposure. The effects observed include earlier onset of chest pain with exercise, and electrocardiograph changes indicative of decreased oxygen (O_2) supply to the heart. Inhaled CO has no direct toxic effect on the lungs but exerts its effect on tissues by interfering with O_2 transport and competing with O_2 to combine with hemoglobin present in the blood to form carboxyhemoglobin (COHb). Hence, conditions with an increased demand for O_2 supply can be adversely affected by exposure to CO. Individuals most at risk include fetuses, patients with diseases involving heart and blood vessels, and patients with chronic hypoxemia (O_2 deficiency) as seen at high altitudes.
SO_2	SO_2 is a colorless, extremely irritating gas or liquid. It enters the atmosphere as a pollutant	Coal or oil burning power plants and industries,	A few minutes of exposure to low levels of SO_2 can result in airway constriction in some

Criteria Pollutant	Description	Sources	Health Effects
	mainly as a result of burning high sulfur-content fuel oils and coal and from chemical processes occurring at chemical plants and refineries. When SO_2 oxidizes in the atmosphere, it forms SO_4. Collectively, these pollutants are referred to as sulfur oxides (SO_X).	refineries, diesel engines.	asthmatics, all of whom are sensitive to its effects. In asthmatics, increase in resistance to air flow, as well as reduction in breathing capacity leading to severe breathing difficulties, are observed after acute exposure to SO_2. In contrast, healthy individuals do not exhibit similar acute responses even after exposure to higher concentrations of SO_2. Animal studies suggest that despite SO_2 being a respiratory irritant, it does not cause substantial lung injury at ambient concentrations. However, very high levels of exposure can cause lung edema (fluid accumulation), lung tissue damage, and sloughing off of cells lining the respiratory tract. Some population-based studies indicate that the mortality and morbidity effects associated with fine particles show a similar association with ambient SO_2 levels. In these studies, efforts to separate the effects of SO_2 from those of fine particles have not been successful. It is not clear whether the two pollutants act synergistically, or one pollutant alone is the predominant factor.
NO_X	NO_X consist of nitric oxide (NO), nitrogen dioxide (NO_2) and nitrous oxide (N_2O) and are formed when nitrogen (N_2) combines with O_2. Their lifespan in the atmosphere ranges from	Any source that burns fuel such as automobiles, trucks, heavy construction equipment, farming	Population-based studies suggest that an increase in acute respiratory illness, including infections and respiratory symptoms in children (not infants), is

Criteria Pollutant	Description	Sources	Health Effects
	one to seven days for nitric oxide and nitrogen dioxide, to 170 years for nitrous oxide. NO_X is typically created during combustion processes and are major contributors to smog formation and acid deposition. NO_2 is a criteria air pollutant and may result in numerous adverse health effects; it absorbs blue light, resulting in a brownish-red cast to the atmosphere and reduced visibility. Of the seven types of nitrogen oxide compounds, NO_2 is the most abundant in the atmosphere. As ambient concentrations of NO_2 are related to traffic density, commuters in heavy traffic may be exposed to higher concentrations of NO_2 than those indicated by a regional monitoring station.	equipment, and residential heating.	associated with long-term exposure to NO_2 at levels found in homes with gas stoves, which are higher than ambient levels found in Southern California. Increase in resistance to air flow and airway contraction is observed after short-term exposure to NO_2 in healthy subjects. Larger decreases in lung functions are observed in individuals with asthma or chronic obstructive pulmonary disease (e.g., chronic bronchitis, emphysema) than in healthy individuals, indicating a greater susceptibility of these sub-groups. In animals, exposure to levels of NO_2 considerably higher than ambient concentrations result in increased susceptibility to infections, possibly due to the observed changes in cells involved in maintaining immune functions. The severity of lung tissue damage associated with high levels of O_3 exposure increases when animals are exposed to a combination of O_3 and NO_2.
O_3	O_3 is a highly reactive and unstable gas that is formed when VOCs and NO_X, both byproducts of internal combustion engine exhaust, undergo slow photochemical reactions in the presence of sunlight. O_3 concentrations are generally highest during the summer months when direct sunlight, light wind, and warm temperature conditions are favorable to the formation of this pollutant.	Formed when reactive organic gases (ROG) and NO_X react in the presence of sunlight. ROG sources include any source that burns fuels, (e.g., gasoline, natural gas, wood, oil) solvents, petroleum processing and	Individuals exercising outdoors, children, and people with pre-existing lung disease, such as asthma and chronic pulmonary lung disease, are considered to be the most susceptible sub-groups for O_3 effects. Short-term exposure (lasting for a few hours) to O_3 at levels typically observed in Southern California can result in breathing pattern changes, reduction of breathing capacity, increased

Criteria Pollutant	Description	Sources	Health Effects
		storage, and pesticides.	susceptibility to infections, inflammation of the lung tissue, and some immunological changes. Elevated O_3 levels are associated with increased school absences. In recent years, a correlation between elevated ambient O_3 levels and increases in daily hospital admission rates, as well as mortality, has also been reported. An increased risk for asthma has been found in children who participate in multiple outdoor sports and live in communities with high O_3 levels. O_3 exposure under exercising conditions is known to increase the severity of the responses described above. Animal studies suggest that exposure to a combination of pollutants that includes O_3 may be more toxic than exposure to O_3 alone. Although lung volume and resistance changes observed after a single exposure diminish with repeated exposures, biochemical and cellular changes appear to persist, which can lead to subsequent lung structural changes.
Particulate Matter	PM_{10}: A major air pollutant consisting of tiny solid or liquid particles of soot, dust, smoke, fumes, and aerosols. Particulate matter pollution is a major cause of reduced visibility (haze) which is caused by the scattering of light and consequently the significant reduction in air clarity. The size of the particles (10 microns or smaller, about 0.0004 inches or less) allows them to easily enter the lungs where they	Sources of PM_{10} include road dust, windblown dust, and construction. Also formed from other pollutants (acid rain, NO_X, SO_X, organics). Incomplete combustion of any fuel.	A consistent correlation between elevated ambient fine particulate matter (PM_{10} and $PM_{2.5}$) levels and an increase in mortality rates, respiratory infections, number and severity of asthma attacks and the number of hospital admissions has been observed in different parts of the United States and various areas around the world. In

Criteria Pollutant	Description	Sources	Health Effects
	may be deposited, resulting in adverse health effects. Additionally, it should be noted that PM_{10} is considered a criteria air pollutant. $PM_{2.5}$: A similar air pollutant to PM_{10} consisting of tiny solid or liquid particles which are 2.5 microns or smaller (which is often referred to as fine particles). These particles are formed in the atmosphere from primary gaseous emissions that include SO_4 formed from SO_2 release from power plants and industrial facilities and nitrates that are formed from NO_X release from power plants, automobiles, and other types of combustion sources. The chemical composition of fine particles highly depends on location, time of year, and weather conditions. $PM_{2.5}$ is a criteria air pollutant.	$PM_{2.5}$ comes from fuel combustion in motor vehicles, equipment, and industrial sources, residential and agricultural burning. Also formed from reaction of other pollutants (acid rain, NO_X, SO_X, organics).	recent years, some studies have reported an association between long-term exposure to air pollution dominated by fine particles and increased mortality, reduction in lifespan, and an increased mortality from lung cancer. Daily fluctuations in $PM_{2.5}$ concentration levels have also been related to hospital admissions for acute respiratory conditions in children, to school and kindergarten absences, to a decrease in respiratory lung volumes in children without asthma, and to increased medication use in children and adults with asthma. Recent studies show lung function growth in children is reduced with long term exposure to particulate matter. The elderly, people with pre-existing respiratory or cardiovascular disease, and children appear to be more susceptible to the effects of high levels of PM_{10} and $PM_{2.5}$.
VOC	VOCs are hydrocarbon compounds (any compound containing various combinations of hydrogen and carbon atoms) that exist in the ambient air. VOCs contribute to the formation of smog through atmospheric photochemical reactions and/or may be toxic. Compounds of carbon (also known as organic compounds) have different levels of reactivity; that is, they do not react at the same speed or do not form O_3 to the same extent when exposed to photochemical processes. VOCs often have an odor, and some examples include	Organic chemicals are widely used as ingredients in household products. Paints, varnishes, and wax all contain organic solvents, as do many cleaning, disinfecting, cosmetic, degreasing, and hobby products. Fuels are made up of organic chemicals. All of these products can	Breathing VOCs can irritate the eyes, nose, and throat, can cause difficulty breathing and nausea, and can damage the central nervous system as well as other organs. Some VOCs can cause cancer. Not all VOCs have all these health effects, though many have several.

Criteria Pollutant	Description	Sources	Health Effects
	gasoline, alcohol, and the solvents used in paints. Exceptions to the VOC designation include CO, carbon dioxide, carbonic acid, metallic carbides or carbonates, and ammonium carbonate. VOCs are a criteria pollutant since they are a precursor to O_3, which is a criteria pollutant. The terms VOC and ROG (see below) are used interchangeably.	release organic compounds while you are using them, and, to some degree, when they are stored.	
ROG	Similar to VOC, ROGs are also precursors in forming O_3 and consist of compounds containing methane, ethane, propane, butane, and longer chain hydrocarbons, which are typically the result of some type of combustion/decomposition process. Smog is formed when ROG and NO_X react in the presence of sunlight. ROGs are a criteria pollutant since they are a precursor to O_3, which is a criteria pollutant. The terms ROG and VOC (see previous) are used interchangeably.	Sources similar to VOCs.	Health effects similar to VOCs.
Lead (Pb)	Pb is a heavy metal that is highly persistent in the environment and considered a criteria pollutant. In the past, the primary source of Pb in the air was emissions from vehicles burning leaded gasoline. The major sources of Pb emissions are ore and metals processing, particularly Pb smelters, and piston-engine aircraft operating on leaded aviation gasoline. Other stationary sources include waste incinerators, utilities, and lead-acid battery manufacturers. It should be noted that the Project does not include operational activities such as metal processing or Pb acid battery manufacturing. As such,	Metal smelters, resource recovery, leaded gasoline, deterioration of Pb paint.	Fetuses, infants, and children are more sensitive than others to the adverse effects of Pb exposure. Exposure to low levels of Pb can adversely affect the development and function of the central nervous system, leading to learning disorders, distractibility, inability to follow simple commands, and lower intelligence quotient. In adults, increased Pb levels are associated with increased blood pressure. Pb poisoning can cause anemia, lethargy, seizures, and death; although it appears that there are no direct effects of Pb on the

Criteria Pollutant	Description	Sources	Health Effects
	the Project is not anticipated to generate a quantifiable amount of Pb emissions.		respiratory system. Pb can be stored in the bone from early age environmental exposure, and elevated blood Pb levels can occur due to breakdown of bone tissue during pregnancy, hyperthyroidism (increased secretion of hormones from the thyroid gland) and osteoporosis (breakdown of bony tissue). Fetuses and breast-fed babies can be exposed to higher levels of Pb because of previous environmental Pb exposure of their mothers.
Odor	Odor means the perception experienced by a person when one or more chemical substances in the air come into contact with the human olfactory nerves (4).	Odors can come from many sources including animals, human activities, industry, nature, and vehicles.	Offensive odors can potentially affect human health in several ways. First, odorant compounds can irritate the eye, nose, and throat, which can reduce respiratory volume. Second, studies have shown that the VOCs that cause odors can stimulate sensory nerves to cause neurochemical changes that might influence health, for instance, by compromising the immune system. Finally, unpleasant odors can trigger memories or attitudes linked to unpleasant odors, causing cognitive and emotional effects such as stress.

2.5 EXISTING AIR QUALITY

Existing air quality is measured at established SCAQMD air quality monitoring stations. Monitored air quality is evaluated in the context of ambient air quality standards. These standards are the levels of air quality that are considered safe, with an adequate margin of safety, to protect the public health and welfare. National Ambient Air Quality Standards (NAAQS) and California Ambient Air Quality Standards (CAAQS) currently in effect are shown in Table 2-2 (5).

The determination of whether a region's air quality is healthful or unhealthful is determined by comparing contaminant levels in ambient air samples to the state and federal standards. At the time of this AQIA, the most recent state and federal standards were updated by CARB on May 4, 2016, and are presented in Table 2-2. The air quality in a region is considered to be in attainment by the state if the measured ambient air pollutant levels for O_3, CO (except 8-hour Lake Tahoe), SO_2 (1 and 24 hour), NO_2, PM_{10}, and $PM_{2.5}$ are not to be exceeded. All others are not to be equaled or exceeded. It should be noted that the three-year period is presented for informational purposes and is not the basis for how the state assigns attainment status. Attainment status for a pollutant means that the SCAQMD meets the standards set by the EPA or the California EPA (CalEPA). Conversely, nonattainment means that an area has monitored air quality that does not meet the NAAQS or CAAQS standards. In order to improve air quality in nonattainment areas, a State Implementation Plan (SIP) is drafted by CARB. The SIP outlines the measures that the state will take to improve air quality. Once nonattainment areas meet the standards and additional redesignation requirements, the EPA will designate the area as a maintenance area (6).

TABLE 2-2: AMBIENT AIR QUALITY STANDARDS (1 OF 2)

Ambient Air Quality Standards						
Pollutant	**Averaging Time**	**California Standards** [1]		**National Standards** [2]		
		Concentration [3]	**Method** [4]	**Primary** [3,5]	**Secondary** [3,6]	**Method** [7]
Ozone (O_3)[8]	1 Hour	0.09 ppm (180 µg/m^3)	Ultraviolet Photometry	—	Same as Primary Standard	Ultraviolet Photometry
	8 Hour	0.070 ppm (137 µg/m^3)		0.070 ppm (137 µg/m^3)		
Respirable Particulate Matter (PM10)[9]	24 Hour	50 µg/m^3	Gravimetric or Beta Attenuation	150 µg/m^3	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m^3		—		
Fine Particulate Matter (PM2.5)[9]	24 Hour	—	—	35 µg/m^3	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m^3	Gravimetric or Beta Attenuation	9 µg/m^3	15 µg/m^3	
Carbon Monoxide (CO)	1 Hour	20 ppm (23 mg/m^3)	Non-Dispersive Infrared Photometry (NDIR)	35 ppm (40 mg/m^3)	—	Non-Dispersive Infrared Photometry (NDIR)
	8 Hour	9.0 ppm (10 mg/m^3)		9 ppm (10 mg/m^3)	—	
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m^3)		—	—	
Nitrogen Dioxide (NO_2)[10]	1 Hour	0.18 ppm (339 µg/m^3)	Gas Phase Chemiluminescence	100 ppb (188 µg/m^3)	—	Gas Phase Chemiluminescence
	Annual Arithmetic Mean	0.030 ppm (57 µg/m^3)		0.053 ppm (100 µg/m^3)	Same as Primary Standard	
Sulfur Dioxide (SO_2)[11]	1 Hour	0.25 ppm (655 µg/m^3)	Ultraviolet Fluorescence	75 ppb (196 µg/m^3)	—	Ultraviolet Flourescence; Spectrophotometry (Pararosaniline Method)
	3 Hour	—		—	0.5 ppm (1300 µg/m^3)	
	24 Hour	0.04 ppm (105 µg/m^3)		0.14 ppm (for certain areas)[11]	—	
	Annual Arithmetic Mean	—		0.030 ppm (for certain areas)[11]	—	
Lead[12,13]	30 Day Average	1.5 µg/m^3	Atomic Absorption	—	—	High Volume Sampler and Atomic Absorption
	Calendar Quarter	—		1.5 µg/m^3 (for certain areas)[12]	Same as Primary Standard	
	Rolling 3-Month Average	—		0.15 µg/m^3		
Visibility Reducing Particles[14]	8 Hour	See footnote 14	Beta Attenuation and Transmittance through Filter Tape	**No National Standards**		
Sulfates	24 Hour	25 µg/m^3	Ion Chromatography			
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m^3)	Ultraviolet Fluorescence			
Vinyl Chloride[12]	24 Hour	0.01 ppm (26 µg/m^3)	Gas Chromatography			

See footnotes on next page ...

For more information please call ARB-PIO at (916) 322-2990

California Air Resources Board (5/4/16)

TABLE 2-2: AMBIENT AIR QUALITY STANDARDS (2 OF 2)

1. California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1 and 24 hour), nitrogen dioxide, and particulate matter (PM10, PM2.5, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.

2. National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM10, the 24 hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 $\mu g/m^3$ is equal to or less than one. For PM2.5, the 24 hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact the U.S. EPA for further clarification and current national policies.

3. Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.

4. Any equivalent measurement method which can be shown to the satisfaction of the ARB to give equivalent results at or near the level of the air quality standard may be used.

5. National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.

6. National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.

7. Reference method as described by the U.S. EPA. An "equivalent method" of measurement may be used but must have a "consistent relationship to the reference method" and must be approved by the U.S. EPA.

8. On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.

9. On December 14, 2012, the national annual PM2.5 primary standard was lowered from 15 $\mu g/m^3$ to 12.0 $\mu g/m^3$. The existing national 24-hour PM2.5 standards (primary and secondary) were retained at 35 $\mu g/m^3$, as was the annual secondary standard of 15 $\mu g/m^3$. The existing 24-hour PM10 standards (primary and secondary) of 150 $\mu g/m^3$ also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.

10. To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.

11. On June 2, 2010, a new 1-hour SO_2 standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO_2 national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.

    Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.

12. The ARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.

13. The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard (1.5 $\mu g/m^3$ as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.

14. In 1989, the ARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

For more information please call ARB-PIO at (916) 322-2990 **California Air Resources Board (5/4/16)**

2.6 REGIONAL AIR QUALITY

Air pollution contributes to a wide variety of adverse health effects. The EPA has established NAAQS for seven of the most common air pollutants: CO, Pb, O_3, PM_{10}, $PM_{2.5}$, NO_2, and SO_2 which are known as criteria pollutants. The SCAQMD monitors levels of various criteria pollutants at 35 permanent monitoring stations and 2 single-pollutant source Pb air monitoring sites throughout the air district (7). On January 25, 2024, CARB adopted the proposed 2023 amendments to the state and national area designations. See Table 2-3 for attainment designations for the SCAB (8). Appendix 2.1 provides geographic representation of the state and federal attainment status for applicable criteria pollutants within the SCAB.

TABLE 2-3: ATTAINMENT STATUS OF CRITERIA POLLUTANTS IN THE SCAB

Criteria Pollutant	State Designation	Federal Designation
O_3 – 1-hour standard	Nonattainment	--
O_3 – 8-hour standard	Nonattainment	Nonattainment
PM_{10}	Nonattainment	Attainment
$PM_{2.5}$	Nonattainment	Nonattainment
CO	Attainment	Unclassifiable/Attainment
NO_2	Attainment	Unclassifiable/Attainment
SO_2	Attainment	Unclassifiable/Attainment
Pb[1]	Attainment	Unclassifiable/Attainment

Note: See Appendix 2.1 for a detailed map of State/National Area Designations within the SCAB
"-" = No standard.

2.7 LOCAL AIR QUALITY

The SCAQMD has designated general forecast areas and air monitoring areas (referred to as Source Receptor Areas [SRA]) throughout the district in order to provide information regarding air quality conditions to Southern California residents. The Project site is located within SRA 35. Within SRA 35, the SCAQMD East San Bernardino Valley monitoring station, located approximately 6.29 miles west of the Project site, is the nearest long-term air quality monitoring station and reports air quality statistics for O_3 and PM_{10}. As the East San Bernardino Valley monitoring station did not provide data for CO, NO_2, and $PM_{2.5}$, the next nearest monitoring stations will be utilized. The following stations will be used to report air quality data for O_3, CO, NO_2, PM_{10}, and $PM_{2.5}$:

- SRA 35 (East San Bernardino Valley) - O_3, PM_{10}
- SRA 29 (Banning/San Gorgonio Pass) - NO_2
- SRA 34 (Central San Bernardino Valley 2) – CO, $PM_{2.5}$

[1] The Federal nonattainment designation for lead is only applicable towards the Los Angeles County portion of the SCAB.

Data from the Banning/San Gorgonio and Central San Bernardino Valley 2 monitoring stations were utilized only in instances where data was not available from the East San Bernardino Valley monitoring station.

The most recent three (3) years of data available is shown in Table 2-4 and identifies the number of days ambient air quality standards were exceeded for the study area, which is considered to be representative of the local air quality at the Project site. Data for O_3, CO, NO_2, PM_{10}, and $PM_{2.5}$ for 2021 through 2023 was obtained from the SCAQMD Air Quality Data Tables (9). Additionally, data for SO_2 has been omitted as attainment is regularly met in the SCAB and few monitoring stations measure SO_2 concentrations.

TABLE 2-4: PROJECT AREA AIR QUALITY MONITORING SUMMARY 2021-2023

Pollutant	Standard	Year		
		2021	2022	2023
O_3				
Maximum Federal 1-Hour Concentration (ppm)		0.145	0.135	0.143
Maximum Federal 8-Hour Concentration (ppm)		0.119	0.109	0.118
Number of Days Exceeding State 1-Hour Standard	> 0.09 ppm	74	63	54
Number of Days Exceeding State/Federal 8-Hour Standard	> 0.070 ppm	118	106	83
CO				
Maximum Federal 1-Hour Concentration	> 35 ppm	2.0	1.7	1.6
Maximum Federal 8-Hour Concentration	> 20 ppm	1.6	1.4	1.2
NO_2				
Maximum Federal 1-Hour Concentration	> 0.100 ppm	0.057	0.052	0.050
Annual Federal Standard Design Value		0.009	0.008	0.008
PM_{10}				
Maximum Federal 24-Hour Concentration (µg/m^3)	> 150 µg/m^3	44	50	49
Annual Federal Arithmetic Mean (µg/m^3)		23.2	22.0	21.3
Number of Days Exceeding Federal 24-Hour Standard	> 150 µg/m^3	0	0	0
Number of Days Exceeding State 24-Hour Standard	> 50 µg/m^3	0	0	0
$PM_{2.5}$				
Maximum Federal 24-Hour Concentration (µg/m^3)	> 35 µg/m^3	57.9	40.1	25.4
Annual Federal Arithmetic Mean (µg/m^3)	> 12 µg/m^3	11.9	11.26	10.16
Number of Days Exceeding Federal 24-Hour Standard	> 35 µg/m^3	1	2	0

ppm = Parts Per Million
µg/m^3 = Microgram per Cubic Meter
Source: Data for O_3, CO, NO_2, PM_{10}, and $PM_{2.5}$ was obtained from SCAQMD Air Quality Data Tables.

2.8 REGULATORY BACKGROUND

2.8.1 FEDERAL REGULATIONS

The EPA is responsible for setting and enforcing the NAAQS for O_3, CO, NO_X, SO_2, PM_{10}, and Pb (10). The EPA has jurisdiction over emissions sources that are under the authority of the federal government including aircraft, locomotives, and emissions sources outside state waters (Outer Continental Shelf). The EPA also establishes emission standards for vehicles sold in states other than California. Automobiles sold in California must meet the stricter emission requirements of CARB.

The Federal Clean Air Act (CAA) was first enacted in 1955 and has been amended numerous times in subsequent years (1963, 1965, 1967, 1970, 1977, and 1990). The CAA establishes the federal air quality standards, the NAAQS, and specifies future dates for achieving compliance (11). The CAA also mandates that states submit and implement SIPs for local areas not meeting these standards. These plans must include pollution control measures that demonstrate how the standards will be met.

The 1990 amendments to the CAA that identify specific emission reduction goals for areas not meeting the NAAQS require a demonstration of reasonable further progress toward attainment and incorporate additional sanctions for failure to attain or to meet interim milestones. The sections of the CAA most directly applicable to the development of the Project site include Title I (Non-Attainment Provisions) and Title II (Mobile Source Provisions) (12) (13). Title I provisions were established with the goal of attaining the NAAQS for the following criteria pollutants O_3, NO_2, SO_2, PM_{10}, CO, $PM_{2.5}$, and Pb. The NAAQS were amended in July 1997 to include an additional standard for O_3 and to adopt a NAAQS for $PM_{2.5}$. Table 2-3 (previously presented) provides the NAAQS within the SCAB.

Mobile source emissions are regulated in accordance with Title II provisions. These provisions require the use of cleaner burning gasoline and other cleaner burning fuels such as methanol and natural gas. Automobile manufacturers are also required to reduce tailpipe emissions of hydrocarbons and NO_X. NO_X is a collective term that includes all forms of NO_X which are emitted as byproducts of the combustion process.

2.8.2 CALIFORNIA REGULATIONS

CARB

CARB, which became part of CalEPA in 1991, is responsible for ensuring implementation of the California Clean Air Act (AB 2595), responding to the federal CAA, and for regulating emissions from consumer products and motor vehicles. AB 2595 mandates achievement of the maximum degree of emissions reductions possible from vehicular and other mobile sources in order to attain the state ambient air quality standards by the earliest practical date. CARB established the CAAQS for all pollutants for which the federal government has NAAQS and, in addition, establishes standards for SO_4, visibility, hydrogen sulfide (H_2S), and vinyl chloride (C_2H_3Cl). However, at this time, H_2S and C_2H_3Cl are not measured at any monitoring stations in the SCAB

because they are not considered to be a regional air quality problem. Generally, the CAAQS are more stringent than the NAAQS (14) (10).

Local air quality management districts, such as the SCAQMD, regulate air emissions from stationary sources such as commercial and industrial facilities. All air pollution control districts have been formally designated as attainment or non-attainment for each CAAQS.

Serious non-attainment areas are required to prepare Air Quality Management Plans (AQMP) that include specified emission reduction strategies in an effort to meet clean air goals. These plans are required to include:

- Application of Best Available Retrofit Control Technology to existing sources;
- Developing control programs for area sources (e.g., architectural coatings and solvents) and indirect sources (e.g. motor vehicle use generated by residential and commercial development);
- A District permitting system designed to allow no net increase in emissions from any new or modified permitted sources of emissions;
- Implementing reasonably available transportation control measures and assuring a substantial reduction in growth rate of vehicle trips and miles traveled;
- Significant use of low emissions vehicles by fleet operators;
- Sufficient control strategies to achieve a 5% or more annual reduction in emissions or 15% or more in a period of three years for ROGs, NO_X, CO and PM_{10}. However, air basins may use an alternative emission reduction strategy that achieves a reduction of less than 5% per year under certain circumstances.

TITLE 24 ENERGY EFFICIENCY STANDARDS AND CALIFORNIA GREEN BUILDING STANDARDS

California Code of Regulations (CCR) Title 24 Part 6: The California Energy Code was first adopted in 1978 in response to a legislative mandate to reduce California's energy consumption.

The standards are updated periodically to allow consideration and possible incorporation of new energy efficient technologies and methods. CCR, Title 24, Part 11: California Green Building Standards Code (CALGreen) is a comprehensive and uniform regulatory code for all residential, commercial, and school buildings that went in effect on August 1, 2009, and is administered by the California Building Standards Commission.

CALGreen is updated on a regular basis, with the most recent approved update consisting of the 2022 California Green Building Code Standards that became effective on January 1, 2023. The CEC anticipates that the 2022 energy code will provide $1.5 billion in consumer benefits and reduce GHG emissions by 10 million metric tons (15). The Project would be required to comply with the applicable standards in place at the time plan check submittals are made. These require, among other items (16):

RESIDENTIAL MANDATORY MEASURES

- Electric vehicle (EV) charging stations. New construction shall comply with Section 4.106.4.1, 4.106.4.2, 4.106.4.3, to facilitate future installation and use of EV chargers. Electric vehicle supply equipment (EVSE) shall be installed in accordance with the *California Electrical Code*, Article 625. (4.106.4).

  - New one- and two-family dwellings and town-houses with attached private garages. For each dwelling unit, install a listed raceway to accommodate a dedicated 208/240-volt branch circuit. The raceway shall not be less than trade size 1 (nominal 1-inch inside diameter). The raceway shall originate at the main service or subpanel and shall terminate into a listed cabinet, box or other enclosure in close proximity to the proposed location of an EV charger. Raceways are required to be continuous at enclosed, inaccessible or concealed areas and spaces. The service panel and/or subpanel shall provide capacity to install a 40-ampere 208/240-volt minimum dedicated branch circuit and space(s) reserved to permit installation of a branch circuit overcurrent protective device.
  - New hotels and motels. All newly constructed hotels and motels shall provide EV spaces capable of supporting future installation of EVSE. The construction documents shall identify the location of the EV spaces. The number of required EV spaces shall be based on the total number of parking spaces provided for all types of parking facilities in accordance with Table 4.106.4.3.1.
- Water conserving plumbing fixtures and fittings. Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with Sections 4.303.1.1, 4.303.1.2, 4.303.1.3, and 4.303.1.4.
- Outdoor potable water use in landscape areas. Residential developments shall comply with a local water efficient landscape ordinance or the current California Department of Water Resources' Model Water Efficient Landscape Ordinance (MWELO), whichever is more stringent.
- Operation and maintenance manual. At the time of final inspection, a manual, compact disc, web-based reference or other media acceptable to the enforcing agency which includes all of the following shall be placed in the building:
  - Directions to the owner or occupant that the manual shall remain with the building throughout the life cycle of the structure.
  - Operations and maintenance instructions for the following:
    - Equipment and appliances, including water-saving devices and systems, HVAC systems, photovoltaic systems, EV chargers, water-heating systems and other major appliances and equipment.
    - Roof and yard drainage, including gutter and downspouts.
    - Space conditioning systems, including condensers and air filters.
    - Landscape irrigation systems.
    - Water reuse systems.
  - Information from local utility, water and waste recovery providers on methods to further reduce future resource consumption, including recycling programs and locations.
  - Public transportation and/or carpool options available in the area.
  - Educational material on the positive impacts of an interior relative humidity between 30-60% and what methods occupants may use to maintain the relative humidity level in that range.
  - Information about water-conserving landscape and irrigation design and controllers which conserve water.
  - Instructions for maintaining gutters and downspouts and the importance of diverting water at least 5 feet away from the foundation.

  - Information about state solar energy and incentive programs available.
  - A copy of all special inspection verifications required by the enforcing agency of this code.
  - Information from CALFIRE on maintenance of defensible space around residential structures.
- Any installed gas fireplace shall be direct-vent sealed-combustion type. Any installed woodstove or pellet stove shall comply with U.S. EPA New Source Performance Standards (NSPS) emission limits as applicable, and shall have a permanent label indicating they are certified to meet the emission limits. Woodstoves, pellet stoves and fireplaces shall also comply with applicable local ordinances.
- Paints and coatings. Architectural paints and coatings shall comply with VOC limits in Table 1 of the CARB Architectural Suggested Control Measure, as shown in Table 4.504.3, unless more stringent local limits apply. The VOC content limit for coatings that do not meet the definitions for the specialty coatings categories listed in Table 4.504.3 shall be determined by classifying the coating as a Flat, Nonflat, or Nonflat-high Gloss coating, based on its glass, as defined in subsections 4.21, 4.36, and 4.37 of the 2007 CARB, Suggested Control Measure, and the corresponding Flat, Nonflat, Nonflat-high Gloss VOC limit in Table 4.504.3 shall apply.

NONRESIDENTIAL MANDATORY MEASURES

- Short-term bicycle parking. If the new project or an additional alteration is anticipated to generate visitor traffic, provide permanently anchored bicycle racks within 200 feet of the visitors' entrance, readily visible to passers-by, for 5% of new visitor motorized vehicle parking spaces being added, with a minimum of one two-bike capacity rack (5.106.4.1.1).
- Long-term bicycle parking. For new buildings with tenant spaces that have 10 or more tenant-occupants, provide secure bicycle parking for 5% of the tenant-occupant vehicular parking spaces with a minimum of one bicycle parking facility (5.106.4.1.2).
- EV charging stations. New construction shall facilitate the future installation of EV supply equipment. The compliance requires empty raceways for future conduit and documentation that the electrical system has adequate capacity for the future load. The number of spaces to be provided for is contained in Table 5.106. 5.3.3 (5.106.5.3). Additionally, Table 5.106.5.4.1 specifies requirements for the installation of raceway conduit and panel power requirements for medium- and heavy-duty electric vehicle supply equipment for warehouses, grocery stores, and retail stores.
- Outdoor light pollution reduction. Outdoor lighting systems shall be designed to meet the backlight, uplight and glare ratings per Table 5.106.8 (5.106.8).
- Construction waste management. Recycle and/or salvage for reuse a minimum of 65% of the nonhazardous construction and demolition waste in accordance with Section 5.408.1.1. 5.405.1.2, or 5.408.1.3; or meet a local construction and demolition waste management ordinance, whichever is more stringent (5.408.1).
- Excavated soil and land clearing debris. 100% of trees, stumps, rocks and associated vegetation and soils resulting primarily from land clearing shall be reuse or recycled. For a phased project, such material may be stockpiled on site until the storage site is developed (5.408.3).

- Recycling by Occupants. Provide readily accessible areas that serve the entire building and are identified for the depositing, storage, and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics, organic waste, and metals or meet a lawfully enacted local recycling ordinance, if more restrictive (5.410.1).
- Water conserving plumbing fixtures and fittings. Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the following:
  a) Water Closets. The effective flush volume of all water closets shall not exceed 1.28 gallons per flush (5.303.3.1)
  b) Urinals. The effective flush volume of wall-mounted urinals shall not exceed 0.125 gallons per flush (5.303.3.2.1). The effective flush volume of floor- mounted or other urinals shall not exceed 0.5 gallons per flush (5.303.3.2.2).
  c) Showerheads. Single showerheads shall have a minimum flow rate of not more than 1.8 gallons per minute and 80 psi (5.303.3.3.1). When a shower is served by more than one showerhead, the combine flow rate of all showerheads and/or other shower outlets controlled by a single valve shall not exceed 1.8 gallons per minute at 80 psi (5.303.3.3.2).
  d) Faucets and fountains. Nonresidential lavatory faucets shall have a maximum flow rate of not more than 0.5 gallons per minute at 60 psi (5.303.3.4.1). Kitchen faucets shall have a maximum flow rate of not more than 1.8 gallons per minute of 60 psi (5.303.3.4.2). Wash fountains shall have a maximum flow rate of not more than 1.8 gallons per minute (5.303.3.4.3). Metering faucets shall not deliver more than 0.20 gallons per cycle (5.303.3.4.4). Metering faucets for wash fountains shall have a maximum flow rate not more than 0.20 gallons per cycle (5.303.3.4.5).
- Outdoor potable water uses in landscaped areas. Nonresidential developments shall comply with a local water efficient landscape ordinance or the current California Department of Water Resources' Model Water Efficient Landscape Ordinance (MWELO), whichever is more stringent (5.304.1).
- Water meters. Separate submeters or metering devices shall be installed for new buildings or additions in excess of 50,000 sf or for excess consumption where any tenant within a new building or within an addition that is project to consume more than 1,000 gallons per day (GPD) (5.303.1.1 and 5.303.1.2).
- Outdoor water uses in rehabilitated landscape projects equal or greater than 2,500 sf. Rehabilitated landscape projects with an aggregate landscape area equal to or greater than 2,500 sf requiring a building or landscape permit (5.304.3).
- Commissioning. For new buildings 10,000 sf and over, building commissioning shall be included in the design and construction processes of the building project to verify that the building systems and components meet the owner's or owner representative's project requirements (5.410.2).

2.8.3 AQMP

Currently, the NAAQS and CAAQS are exceeded in most parts of the SCAB. In response, the SCAQMD has adopted a series of AQMP to meet the state and federal ambient air quality standards (17). AQMPs are updated regularly to ensure an effective reduction in emissions, accommodate growth, and to minimize any negative fiscal impacts of air pollution control on the

economy. A detailed discussion on the AQMP and Project consistency with the AQMP is provided in Section 3.10.

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3 PROJECT AIR QUALITY IMPACT

3.1 INTRODUCTION

This study quantifies air quality emissions generated by construction and operation of the Project and addresses whether the Project conflicts with implementation of the SCAQMD's AQMP. The analysis of Project-generated air emissions determines whether the Project would result in a cumulatively considerable net increase of any criteria pollutant for which the SCAB is in non-attainment under an applicable NAAQS and CAAQS. Additionally, the Project has been evaluated to determine whether it would expose sensitive receptors to substantial pollutant concentrations and the impacts of odors. The significance of these potential impacts is described in the following sections.

3.2 STANDARDS OF SIGNIFICANCE

The criteria used to determine the significance of potential Project-related air quality impacts are taken from the *CEQA Guidelines* (14 CCR §§15000, et seq.). Based on these thresholds, a project would result in a significant impact related to air quality if it would (1):

- Conflict with or obstruct implementation of the applicable air quality plan.
- Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is in non-attainment under an applicable federal or state ambient air quality standard.
- Expose sensitive receptors to substantial pollutant concentrations.
- Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people.

The SCAQMD has also developed regional significance thresholds for other regulated pollutants, as summarized at Table 3-1 (18). The SCAQMD's *CEQA Air Quality Significance Thresholds* (March 2023) indicate that any projects in the SCAB with daily emissions that exceed any of the indicated thresholds should be considered as having an individually and cumulatively significant air quality impact.

TABLE 3-1: MAXIMUM DAILY REGIONAL EMISSIONS THRESHOLDS

Pollutant	Regional Construction Threshold	Regional Operational Thresholds
NO_X	100 lbs/day	55 lbs/day
VOC	75 lbs/day	55 lbs/day
PM_{10}	150 lbs/day	150 lbs/day
$PM_{2.5}$	55 lbs/day	55 lbs/day
SO_X	150 lbs/day	150 lbs/day
CO	550 lbs/day	550 lbs/day
Pb	3 lbs/day	3 lbs/day

lbs/day = Pounds Per Day

3.3 MODELS EMPLOYED TO ANALYZE AIR QUALITY

3.3.1 CALEEMOD

Land uses such as the Project affect air quality through construction-source and operational-source emissions.

The California Air Pollution Control Officers Association (CAPCOA) in conjunction with other California air districts, including SCAQMD, released CalEEMod 2022 in May 2022. CalEEMod periodically releases updates, as such the latest version available at the time of this report has been utilized in this analysis. The purpose of this model is to calculate construction-source and operational-source criteria pollutant (VOCs, NO_X, SO_X, CO, PM_{10}, and $PM_{2.5}$) and GHG emissions from direct and indirect sources; and quantify applicable air quality and GHG reductions achieved from MMs (20). Output from the model runs for both construction and operational activity are provided in Appendix 3.1.

3.4 CONSTRUCTION EMISSIONS

3.4.1 CONSTRUCTION ACTIVITIES

Construction activities associated with the Project would result in emissions of VOCs, NO_X, SO_X, CO, PM_{10}, and $PM_{2.5}$. Construction-related emissions are expected from the following construction activities:

- Site Preparation
- Grading
- Building Construction
- Paving
- Architectural Coating

GRADING ACTIVITIES

Dust is typically a major concern during grading activities. Because such emissions are not amenable to collection and discharge through a controlled source, they are called “fugitive emissions.” Fugitive dust emissions rates vary as a function of many parameters (soil silt, soil moisture, wind speed, area disturbed, number of vehicles, depth of disturbance or excavation, etc.). CalEEMod was utilized to calculate fugitive dust emissions resulting from this phase of activity. This analysis assumes that earthwork activities are expected to balance on site and no import or export of soils would be required.

ON-ROAD TRIPS

Construction generates on-road vehicle emissions from vehicle usage for workers, vendors, and haul trucks commuting to and from the site. The number of worker, vendor, and hauling trips are presented below in Table 3-2. Worker trips are based on CalEEMod defaults. It should be noted that for vendor trips, specifically, CalEEMod only assigns vendor trips to the Building Construction phase. Vendor trips would likely occur during all phases of construction. As such, the CalEEMod

defaults for vendor trips have been adjusted based on a ratio of the total vendor trips to the number of days of each subphase of activity.

TABLE 3-2: CONSTRUCTION TRIP ASSUMPTIONS

Construction Activity	Worker Trips Per Day	Vendor Trips Per Day	Hauling Trips Per Day
Site Preparation	18	1	0
Grading	20	2	0
Building Construction	57	15	0
Paving	15	0	0
Architectural Coating	11	0	0

3.4.2 CONSTRUCTION DURATION

For purposes of analysis, construction of Project is expected to commence in February 2025 and would last through May 2026. The construction schedule utilized in the analysis, shown in Table 3-3, represents a "conservative" analysis scenario should construction occur any time after the respective dates since emission factors for construction decrease as time passes and the analysis year increases due to emission regulations becoming more stringent.[2] The duration of construction activity and associated equipment represents a reasonable approximation of the expected construction fleet as required per *CEQA Guidelines* (1).

TABLE 3-3: CONSTRUCTION DURATION

Construction Activity	Start Date	End Date	Days
Site Preparation	2/3/2025	2/14/2025	10
Grading	2/17/2025	3/28/2025	30
Building Construction	3/31/2025	5/22/2026	300
Paving	4/27/2026	5/22/2026	20
Architectural Coating	4/6/2026	5/22/2026	35

3.4.3 CONSTRUCTION EQUIPMENT

Consistent with industry standards and typical construction practices, each piece of equipment listed in Table 3-4 is assumed to operate up to a total of eight (8) hours per day, or more than two-thirds of the period during which construction activities are allowed pursuant to the City code.

[2] As shown in the CalEEMod User's Guide Version 2022, Appendix G "Table G-11. Statewide Average Annual Offoad Equipment Emission Factors" as the analysis year increases, emission factors for the same equipment pieces decrease due to the natural turnover of older equipment being replaced by newer less polluting equipment and new regulatory requirements.

TABLE 3-4: CONSTRUCTION EQUIPMENT ASSUMPTIONS

Construction Activity	Equipment	Amount	Hours Per Day
Site Preparation	Rubber Tired Dozers	3	8
	Crawler Tractors	4	8
Grading	Excavators	2	8
	Graders	1	8
	Rubber Tired Dozers	1	8
	Scrapers	2	8
	Crawler Tractors	2	8
Building Construction	Cranes	1	8
	Forklifts	3	8
	Generator Sets	1	8
	Tractors/Loaders/Backhoes	3	8
	Welders	1	8
Paving	Pavers	2	8
	Paving Equipment	2	8
	Rollers	2	8
Architectural Coating	Air Compressors	1	8

[1] In order to account for fugitive dust emissions, Crawler Tractors were used in lieu of Tractors/Loaders/Backhoes.

3.4.4 CONSTRUCTION EMISSIONS SUMMARY

IMPACTS WITHOUT MITIGATION

The estimated maximum daily construction emissions without mitigation are summarized in Table 3-5. Detailed construction model outputs are presented in Appendix 3.1. Under the assumed scenarios, emissions resulting from the Project construction would not exceed criteria pollutant thresholds established by the SCAQMD.

TABLE 3-5: OVERALL CONSTRUCTION EMISSIONS SUMMARY – WITHOUT MITIGATION

Year	Emissions (lbs/day)					
	VOC	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Summer						
2025	1.49	12.08	18.88	0.03	1.35	0.65
2026	70.44	19.75	31.81	0.05	1.99	1.00
Winter						
2025	4.13	37.58	33.48	0.06	7.83	4.52
2026	1.39	11.44	17.45	0.03	1.29	0.59
Maximum Daily Emissions	**70.44**	**37.58**	**33.48**	**0.06**	**7.83**	**4.52**
SCAQMD Regional Threshold	75	100	550	150	150	55
Threshold Exceeded?	**NO**	**NO**	**NO**	**NO**	**NO**	**NO**

Source: CalEEMod construction-source (unmitigated) emissions are presented in Appendix 3.1

3.5 OPERATIONAL EMISSIONS

Operational activities associated with the Project would result in emissions of VOCs, NO_X, SO_X, CO, PM_{10}, and $PM_{2.5}$. Operational emissions are expected from the following primary sources:

- Area Source Emissions
- Energy Source Emissions
- Mobile Source Emissions

3.5.1 AREA SOURCE EMISSIONS

ARCHITECTURAL COATINGS

Over a period of time, the Project buildings would require maintenance and would therefore produce emissions resulting from the evaporation of solvents contained in paints, varnishes, primers, and other surface coatings. The emissions associated with architectural coatings were calculated using CalEEMod.

CONSUMER PRODUCTS

Consumer products include, but are not limited to, detergents, cleaning compounds, polishes, personal care products, and lawn and garden products. Many of these products contain organic compounds which when released in the atmosphere can react to form ozone and other photochemically reactive pollutants. The emissions associated with use of consumer products were calculated based on defaults provided within CalEEMod.

LANDSCAPE MAINTENANCE EQUIPMENT

Landscape maintenance equipment would generate emissions from fuel combustion and evaporation of unburned fuel. Equipment in this category would include lawnmowers,

shedders/grinders, blowers, trimmers, chain saws, and hedge trimmers used to maintain the landscaping of the Project. It should be noted that on October 9, 2021, Governor Gavin Newsom signed AB 1346. The bill aims to ban the sale of new gasoline-powered equipment under 25 gross horsepower (known as small off-road engines [SOREs]) by 2024, which is now effective. For purposes of analysis, the emissions associated with landscape maintenance equipment were calculated based on assumptions provided in CalEEMod.

3.5.2 Energy Source Emissions

Combustion Emissions Associated with Natural Gas and Electricity

Electricity and natural gas are used by almost every project. Criteria pollutant emissions are emitted through the generation of electricity and consumption of natural gas. However, because electrical generating facilities for the Project area are located either outside the region (state) or offset through the use of pollution credits (RECLAIM) for generation within the SCAB, criteria pollutant emissions from offsite generation of electricity are excluded from the evaluation of significance. Natural gas and electricity usage associated with the Project was calculated by CalEEMod using default parameters.

3.5.3 Mobile Source Emissions

The Project related air quality emissions derive primarily from vehicle trips associated with the Project, including employee trips and commercial trips to and from the site associated with the proposed uses. Trip characteristics available from the *Oak Glen Townhomes Traffic Analysis* were utilized in this analysis (19).

Fugitive Dust Related to Vehicular Travel

Vehicles traveling on paved roads would be a source of fugitive emissions due to the generation of road dust inclusive of brake and tire wear particulates. The emissions estimate for travel on paved roads was calculated using CalEEMod.

3.5.7 Operational Emissions Summary

Operational activities for summer and winter scenarios are presented in Table 3-6. The estimated operational-source emissions are summarized in Table 3-6. Detailed operation model outputs for the Project are presented in Appendix 3.1. Project operational activities would not exceed the numerical thresholds of significance established by the SCAQMD for emissions of any criteria pollutant. As such, operational impacts would be considered less-than-significant.

TABLE 3-6: SUMMARY OF PEAK OPERATIONAL EMISSIONS

Source	Emissions (lbs/day)					
	VOC	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Summer						
Mobile Source	31.22	19.01	168.26	0.36	30.54	7.93
Area Source	9.30	2.49	9.77	0.02	0.20	0.20
Energy Source	0.09	1.51	0.80	0.01	0.12	0.12
Project Maximum Daily Emissions	**40.61**	**23.01**	**178.82**	**0.38**	**30.86**	**8.25**
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	**NO**	**NO**	**NO**	**NO**	**NO**	**NO**
Winter						
Mobile Source	28.85	20.33	150.20	0.33	30.55	7.93
Area Source	8.49	2.41	1.02	0.02	0.19	0.19
Energy Source	0.09	1.51	0.80	0.01	0.12	0.12
Project Maximum Daily Emissions	**37.42**	**24.25**	**152.02**	**0.36**	**30.86**	**8.25**
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	**NO**	**NO**	**NO**	**NO**	**NO**	**NO**

Source: CalEEMod operational-source emissions are presented in Appendix 3.1.

3.6 LOCALIZED SIGNIFICANCE

BACKGROUND ON LST DEVELOPMENT

The analysis makes use of methodology included in the SCAQMD *Final Localized Significance Threshold Methodology* (LST Methodology). The SCAQMD has established that impacts to air quality are significant if there is a potential to contribute or cause localized exceedances of the federal and/or state ambient air quality standards (NAAQS/CAAQS). Collectively, these are referred to as Localized Significance Thresholds (LSTs).

The SCAQMD established LSTs in response to the SCAQMD Governing Board's Environmental Justice Initiative I-4.[3] LSTs represent the maximum emissions from a project that would not cause or contribute to an exceedance of the most stringent applicable federal or state ambient air quality standard at the nearest residence or sensitive receptor. The SCAQMD states that lead agencies can use the LSTs as another indicator of significance in its air quality impact analyses.

[3] The purpose of SCAQMD's Environmental Justice program is to ensure that everyone has the right to equal protection from air pollution and fair access to the decision-making process that works to improve the quality of air within their communities. Further, the SCAQMD defines Environmental Justice as "…equitable environmental policymaking and enforcement to protect the health of all residents, regardless of age, culture, ethnicity, gender, race, socioeconomic status, or geographic location, from the health effects of air pollution."

LSTs were developed in response to environmental justice and health concerns raised by the public regarding exposure of individuals to criteria pollutants in local communities. To address the issue of localized significance, the SCAQMD adopted LSTs that show whether a project would cause or contribute to localized air quality impacts and thereby cause or contribute to potential localized adverse health effects. The analysis makes use of methodology included in the *LST Methodology* (20).

EMISSIONS CONSIDERED

Based on SCAQMD's *LST Methodology*, emissions for concern during construction activities are on-site NO_X, CO, $PM_{2.5}$, and PM_{10}. The *LST Methodology* clearly states that "off-site mobile emissions from the Project should not be included in the emissions compared to LSTs (21)." As such, for purposes of the construction LST analysis, only emissions included in the CalEEMod "on-site" emissions outputs were considered.

DISPERSION MODELING

In order to estimate localized pollutant concentrations resulting from Project construction, the SCAQMD-approved American Meteorological Society/EPA Regulatory Model (AERMOD) dispersion model was utilized. The modeling approach utilized is discussed as follows:

SOURCES

It should be noted that in order to model worst-case conditions, the highest daily peak on-site emissions resulting from overlapping construction activity were modeled.

A ground level release height and a 1 meter (approximately 3.28 feet) initial vertical dimension (sigma z) were utilized for fugitive dust emissions of PM_{10} and $PM_{2.5}$ consistent with SCAQMD's LST guidance.

In order to account for equipment exhaust emissions from NO_2, CO, PM_{10}, and $PM_{2.5}$ a release height of 5.0 meters was utilized consistent with SCAQMD's LST guidance.

METEOROLOGICAL DATA AND MODEL OPTIONS

In order to account for meteorological conditions at the Project site, meteorological data from the SCAQMD's Redlands monitoring station was utilized, as this is the nearest station to the Project site for which meteorological data is available. Additionally, a receptor height of 2 meters and regulatory default options were utilized consistent with SCAQMD's LST guidance.

RECEPTORS

As previously stated, LSTs represent the maximum emissions from a project that would not cause or contribute to an exceedance of the most stringent applicable NAAQS and CAAQS at the nearest residence or sensitive receptor. Receptor locations are off-site locations where individuals may be exposed to emissions from Project activities.

Some people are especially sensitive to air pollution and are given special consideration when evaluating air quality impacts from projects. These groups of people include children, the elderly,

and individuals with pre-existing respiratory or cardiovascular illness. Structures that house these persons or places where they gather are defined as "sensitive receptors." These structures typically include uses such as residences, hotels, and hospitals where an individual can remain for 24 hours. Consistent with the LST Methodology, the nearest land use where an individual could remain for 24 hours to the Project site has been used to determine construction air quality impacts for emissions of PM_{10} and $PM_{2.5}$, since PM_{10} and $PM_{2.5}$ thresholds are based on a 24-hour averaging time.

LSTs apply, even for non-sensitive land uses, consistent with *LST Methodology* and SCAQMD guidance. Per the *LST Methodology*, commercial and industrial facilities are not included in the definition of sensitive receptor because employees and patrons do not typically remain on-site for a full 24 hours but are typically on-site for 8 hours or less. However, *LST Methodology* explicitly states that "*LSTs based on shorter averaging periods, such as the NO_2 and CO LSTs, could also be applied to receptors such as industrial or commercial facilities since it is reasonable to assume that a worker at these sites could be present for periods of one to eight hours* (21)." Therefore, any adjacent land use where an individual could remain for 1 or 8 hours, that is located at a closer distance to the Project site than the receptor used for PM_{10} and $PM_{2.5}$ analysis, must be considered to determine construction and operational LST air impacts for emissions of NO_2 and CO since these pollutants have an averaging time of 1 and 8 hours.

PROJECT-RELATED RECEPTORS

Receptors in the Project study area are described below and shown in Exhibit 3-B. Localized air quality impacts were evaluated at sensitive receptor land uses nearest the Project site. All distances are measured from the Project site boundary to the outdoor living areas (e.g., backyards) or at the building façade, whichever is closer to the Project site.

- R1: Location R1 represents the existing residences at 11050 Bryant Street, approximately 150 feet north of the Project site.
- R2: Location R2 represents Ridgeview Elementary at 11021 Sunnyside Drive, approximately 1,224 feet north of the Project site.
- R3: Location R3 represents Yucaipa Community Center at 34900 Oak Glen Road, approximately 892 feet west of the Project site.
- R4: Location R4 represents Wildwood Christian Academy at 35145 Oak Glen Road, approximately 106 feet south of the Project site.
- R5: Location R5 represents the existing residence at 35404 Oak Glen Road, approximately 723 feet east of the Project site.

The SCAQMD recommends that the nearest sensitive receptor be considered when determining a Project's impact. The nearest land use where an individual could remain for 24 hours to the Project site has been used to determine localized construction and operational air quality impacts for emissions of PM_{10} and $PM_{2.5}$ (since PM_{10} and $PM_{2.5}$ thresholds are based on a 24-hour averaging time).

EXHIBIT 3-B: RECEPTOR LOCATIONS



3.7 CONSTRUCTION-SOURCE EMISSIONS LST ANALYSIS

Emissions during the peak construction activity will not exceed the SCAQMD's localized significance thresholds at the maximally exposed receptor location, as illustrated in Table 3-7 (without mitigation). All other modeled locations in the study area would experience a lesser concentration and consequently a lesser impact. As such, the Project's localized impacts during construction activity would be less than significant. AERMOD model outputs are provided in Appendix 3.2 (without mitigation).

TABLE 3-7: LOCALIZED SIGNIFICANCE SUMMARY PEAK CONSTRUCTION – WITHOUT MITIGATION

Peak Construction	CO		NO_2	PM_{10}	$PM_{2.5}$
	Averaging Time				
	1-Hour	8-Hour	1-Hour	24-Hours	24-Hours
Peak Day Localized Emissions	0.05	0.02	3.61E-02	3.36	1.82
Background Concentration [A]	2.0	1.6	0.057		
Total Concentration	**2.05**	**1.62**	**0.09**	**3.36**	**1.82**
SCAQMD Localized Significance Threshold	20	9	0.18	10.4	10.4
Threshold Exceeded?	**NO**	**NO**	**NO**	**NO**	**NO**

[A] Highest concentration from the last three years of available data.
Notes: PM_{10} and $PM_{2.5}$ concentrations are expressed in $\mu g/m^3$. All others are expressed in ppm.
Based on SCAQMD's LST Methodology, background concentrations are considered only for CO and NO_2.

3.8 OPERATIONAL-SOURCE EMISSIONS LST ANALYSIS

The Project includes the development of 145 detached single family residential dwelling units and 12,000 square feet of retail uses. According to SCAQMD LST methodology, LSTs would apply to the operational phase of a proposed project, if the project includes stationary sources, or attracts mobile sources that may spend long periods queuing and idling at the site (e.g., transfer facilities and warehouse buildings). The proposed Project does not include such uses, and thus, due to the lack of significant stationary source emissions, no long-term localized significance threshold analysis is needed.

3.9 CO "HOT SPOT" ANALYSIS

A CO hotspot is defined as a localized concentration of carbon monoxide exceeding the state one-hour standard of 20 ppm or the eight-hour standard of 9 ppm. At the time the most recent CEQA Air Quality Handbook (1993) was published by SCAQMD, the air basin was designated as non-attainment, requiring projects to perform hotspot analyses to ensure they did not worsen the existing conditions. Over the last two decades, background CO concentrations have been significantly reduced due to regulatory controls on tailpipe emissions, which have culminated in the air basin achieving attainment status for CO.

The 2003 AQMP's findings underscore that CO hotspots are highly unlikely due to the reduced

background concentrations and the effectiveness of California's air quality management strategies. The substantial reduction in CO levels from the vehicle fleet and the state's attainment status for CO further diminish the need for detailed microscale hotspot analyses, reinforcing that existing monitoring and regulatory frameworks adequately address potential air quality concerns.

As summarized in the 2003 AQMP, even at one of the busiest intersections at that time, only 0.7 ppm of CO is attributable to vehicular traffic and the remaining 7.7 ppm were due to ambient background conditions. As shown on Table 2-4 in this report, the background 1-hour and 8-hour concentrations are well below the applicable AAQS. As such, Project-related traffic at any intersections within the air basin would not cause or contribute to a CO hotspot since the background concentrations are low and any contribution from project traffic would be negligible. The project would not significantly contribute to the formation of a CO hotspot.

3.10 AQMP

The Project site is located within the SCAB, which is characterized by relatively poor air quality. The SCAQMD has jurisdiction over an approximately 10,743-square-mile area consisting of the four-county Basin and the Los Angeles County and Riverside County portions of was previoulsy referred to as the Southeast Desert Air Basin. In these areas, the SCAQMD is principally responsible for air pollution control, and works directly with the SCAG, county transportation commissions, local governments, as well as state and federal agencies to reduce emissions from stationary, mobile, and indirect sources to meet state and federal ambient air quality standards.

Currently, these state and federal air quality standards are exceeded in most parts of the SCAB. In response, the SCAQMD has adopted a series of AQMPs to meet the state and federal ambient air quality standards. AQMPs are updated regularly in order to more effectively reduce emissions, accommodate growth, and to minimize any negative fiscal impacts of air pollution control on the economy.

In December 2022, the SCAQMD released the *Final 2022 AQMP* (*2022 AQMP*). The *2022 AQMP* continues to evaluate current integrated strategies and control measures to meet the CAAQS, as well as explore new and innovative methods to reach its goals. Some of these approaches include utilizing incentive programs, recognizing existing co-benefit programs from other sectors, and developing a strategy with fair-share reductions at the federal, state, and local levels (22). Similar to the 2016 AQMP, the *2022 AQMP* incorporates scientific and technological information and planning assumptions, including the *2020-2045 RTP/SCS*, a planning document that supports the integration of land use and transportation to help the region meet the federal CAA requirements (23). The Project's consistency with the AQMP will be determined using the *2022 AQMP* as discussed below.

Criteria for determining consistency with the AQMP are defined in Chapter 12, Section 12.2 and Section 12.3 of the *1993 CEQA Handbook* (24). These indicators are discussed below:

3.10.1 CONSISTENCY CRITERION NO. 1

The proposed Project will not result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations or delay the timely attainment of air quality standards or the interim emissions reductions specified in the AQMP.

The violations that Consistency Criterion No. 1 refer to are the CAAQS and NAAQS. CAAQS and NAAQS violations would occur if regional or localized significance thresholds were exceeded.

Construction Impacts – Consistency Criterion 1

As evaluated, the Project's localized and regional construction-source emissions would not exceed applicable regional significance threshold and LST thresholds. As such, a less than significant impact is expected.

Operational Impacts – Consistency Criterion 1

As evaluated, the Project's localized and regional operation-source emissions would not exceed applicable regional significance threshold and LST thresholds. As such, a less than significant impact is expected.

On the basis of the preceding discussion, the Project is determined to be consistent with the first criterion.

3.10.2 CONSISTENCY CRITERION NO. 2

The Project will not exceed the assumptions in the AQMP based on the years of Project build-out phase.

The *2022 AQMP* demonstrates that the applicable ambient air quality standards can be achieved within the timeframes required under federal law. Growth projections from local general plans adopted by cities in the district are provided to the SCAG, which develops regional growth forecasts, which are then used to develop future air quality forecasts for the AQMP. Development consistent with the growth projections in City of Yucaipa General Plan is considered to be consistent with the AQMP***.***

Construction Impacts – Consistency Criterion 2

Peak day emissions generated by construction activities are largely independent of land use assignments, but rather are a function of development scope and maximum area of disturbance. Irrespective of the site's land use designation, development of the site to its maximum potential would likely occur, with disturbance of the entire site occurring during construction activities. As such, when considering that no emissions thresholds will be exceeded, a less than significant impact would result.

Operational Impacts – Consistency Criterion 2

The City of Yucaipa General Plan designates the Project site as "Neighborhood Commercial (CN)" land uses (25).

The Project proposes a General Plan Amendment, which would change the land use designation from "Neighborhood Commercial (CN)" to "Multiple Residential (RM)." The " Multiple Residential (RM)" designation provides for multiple family housing that may include units affordable to lower income households. The RM designation allows for a maximum density of 20-24 du/gross acre (25).

The Project includes the development of 145 detached single family residential dwelling units and 12,000 square feet of retail uses. The Project is inconsistent with the current land use and would require a General Plan Amendment. Although this finding is inconsistent with the current land use designation, the Project on an individual basis does not have an impact and as such, the proposed Project would not conflict with the goals and objectives of the AQMP. Furthermore, the Project, as evaluated herein would not exceed the regional or localized air quality significance thresholds.

AQMP CONSISTENCY CONCLUSION

The Project would not have the potential to result in or cause NAAQS or CAAQS violations. Although the Project's proposed uses are not consistent with the General Plan land use and zoning designation, as the Project would not exceed the regional or localized construction and operational thresholds, the Project's development intensity is consistent with the development intensities allowed within the General Plan as previously stated. As such, the Project is considered to be consistent with the AQMP.

3.11 POTENTIAL IMPACTS TO SENSITIVE RECEPTORS

The potential impact of Project-generated air pollutant emissions at sensitive receptors has also been considered. Results of the LST analysis indicate that the Project will not exceed the SCAQMD localized significance thresholds during construction. Therefore, sensitive receptors would not be exposed to substantial pollutant concentrations during Project construction.

Additionally, the Project will not exceed the SCAQMD localized significance thresholds during operational activity. Further Project traffic would not create or result in a CO "hotspot." Therefore, sensitive receptors would not be exposed to substantial pollutant concentrations as the result of Project operations.

3.11.1 FRIANT RANCH CASE

In December 2018, in the case of *Sierra Club v. County of Fresno* (2018) 6 Cal.5th 502, the California Supreme Court held that an Environmental Impact Report's (EIR) air quality analysis must meaningfully connect the identified air quality impacts to the human health consequences of those impacts, or meaningfully explain why that analysis cannot be provided.

Most local agencies, including the City of Yucaipa, lack the data to do their own assessment of potential health impacts from criteria air pollutant emissions, as would be required to establish customized, locally-specific thresholds of significance based on potential health impacts from an individual development project. The use of national or "generic" data to fill the gap of missing local data would not yield accurate results because such data does not capture local air patterns, local background conditions, or local population characteristics, all of which play a role in how a

population experiences air pollution. Because it is impracticable to accurately isolate the exact cause of a human disease (for example, the role a particular air pollutant plays compared to the role of other allergens and genetics in causing asthma), existing scientific tools cannot accurately estimate health impacts of the Project's air emissions without undue speculation. Instead, readers are directed to the Project's air quality impact analysis above, which provides extensive information concerning the quantifiable and non-quantifiable health risks related to the Project's construction and long-term operation.

Notwithstanding, this AQIA does evaluate the proposed Project's localized impact to air quality for emissions of CO, NO_X, PM_{10}, and $PM_{2.5}$ by comparing the proposed project's on-site emissions to the SCAQMD's applicable LST thresholds. The LST analysis above determined that the Project would not result in emissions exceeding SCAQMD's LSTs. Therefore, the proposed Project would not be expected to exceed the most stringent applicable federal or state ambient air quality standards for emissions of CO, NO_X, PM_{10}, and $PM_{2.5}$.

As the Project's emissions would comply with federal, state, and local air quality standards, the proposed Project's emissions are not sufficiently high enough to use a regional modeling program to correlate health effects on a basin-wide level and would not provide a reliable indicator of health effects if modeled.

3.12 ODORS

The potential for the Project to generate objectionable odors has also been considered. Land uses generally associated with odor complaints include:

- Agricultural uses (livestock and farming);
- Wastewater treatment plants;
- Food processing plants;
- Chemical plants;
- Composting operations;
- Refineries;
- Landfills;
- Dairies; and
- Fiberglass molding facilities.

The Project does not contain land uses typically associated with emitting objectionable odors. Potential odor sources associated with the proposed Project may result from construction equipment exhaust and the application of asphalt and architectural coatings during construction activities and the temporary storage of typical solid waste (refuse) associated with the proposed Project's (long-term operational) uses. Standard construction requirements would minimize odor impacts from construction. The construction odor emissions would be temporary, short-term, and intermittent in nature and would cease upon completion of the respective phase of construction and is thus considered less than significant. It is expected that Project-generated refuse would be stored in covered containers and removed at regular intervals in compliance

with current solid waste regulations. The proposed Project would also be required to comply with SCAQMD Rule 402 to prevent occurrences of public nuisances. Therefore, odors and other emissions (such as those leading to odors) associated with construction and operations activities of the proposed Project would be less than significant and no mitigation is required (26).

3.13 CUMULATIVE IMPACTS

As previously shown in Table 2-3, the CAAQS designates the Project site as nonattainment for O_3 PM_{10}, and $PM_{2.5}$ while the NAAQS designates the Project site as nonattainment for O_3 and $PM_{2.5}$.

The SCAQMD has published a report on how to address cumulative impacts from air pollution: *White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution* (27). In this report the SCAQMD clearly states (Page D-3):

> *"…the SCAQMD uses the same significance thresholds for project specific and cumulative impacts for all environmental topics analyzed in an Environmental Assessment or EIR. The only case where the significance thresholds for project specific and cumulative impacts differ is the Hazard Index (HI) significance threshold for TAC emissions. The project specific (project increment) significance threshold is HI > 1.0 while the cumulative (facility-wide) is HI > 3.0. It should be noted that the HI is only one of three TAC emission significance thresholds considered (when applicable) in a CEQA analysis. The other two are the maximum individual cancer risk (MICR) and the cancer burden, both of which use the same significance thresholds (MICR of 10 in 1 million and cancer burden of 0.5) for project specific and cumulative impacts.*
>
> *Projects that exceed the project-specific significance thresholds are considered by the SCAQMD to be cumulatively considerable. This is the reason project-specific and cumulative significance thresholds are the same. Conversely, projects that do not exceed the project-specific thresholds are generally not considered to be cumulatively significant."*

Therefore, this analysis assumes that individual projects that do not generate operational or construction emissions exceeding the SCAQMD's thresholds would also not cause a cumulatively considerable increase in emissions for those pollutants for which SCAB is in nonattainment, and, therefore, would not be considered to have a significant, adverse air quality impact. Alternatively, individual project-related construction and operational emissions that exceed SCAQMD thresholds would be considered cumulatively considerable.

CONSTRUCTION IMPACTS

The Project-specific evaluation of emissions presented in the preceding analysis demonstrates that proposed Project construction-source air pollutant emissions would not result in exceedances of regional thresholds. Therefore, proposed Project construction-source emissions would be considered less than significant on a Project-specific and cumulative basis.

OPERATIONAL IMPACTS

The Project-specific evaluation of emissions presented in the preceding analysis demonstrates that proposed Project operation-source air pollutant emissions would not result in exceedances of regional thresholds. Therefore, proposed Project operation-source emissions would be considered less than significant on a project-specific and cumulative basis.

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5 CERTIFICATIONS

The contents of this air study report represent an accurate depiction of the environmental impacts associated with the proposed Oak Glen Townhomes. The information contained in this air quality impact assessment report is based on the best available data at the time of preparation. If you have any questions, please contact me directly at hqureshi@urbanxroads.com.

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EDUCATION

Master of Science in Environmental Studies
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PROFESSIONAL AFFILIATIONS

AEP – Association of Environmental Professionals
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ASTM – American Society for Testing and Materials

PROFESSIONAL CERTIFICATIONS

Planned Communities and Urban Infill – Urban Land Institute • June 2011
Indoor Air Quality and Industrial Hygiene – EMSL Analytical • April 2008
Principles of Ambient Air Monitoring – CARB • August 2007
AB2588 Regulatory Standards – Trinity Consultants • November 2006
Air Dispersion Modeling – Lakes Environmental • June 2006

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APPENDIX 2.1:

STATE/FEDERAL ATTAINMENT STATUS OF CRITERIA POLLUTANTS

Appendix C
Maps and Tables of Area Designations for State and National Ambient Air Quality Standards

Appendix C
Maps and Tables of Area Designations for State and National Ambient Air Quality Standards

This attachment fulfills the requirement of Health and Safety Code section 40718 for CARB to publish maps that identify areas where one or more violations of any State ambient air quality standard (State standard) or national ambient air quality standard (national standard) have been measured. The national standards are those promulgated under section 109 of the federal Clean Air Act (42 U.S.C. 7409).

This attachment is divided into three parts. The first part comprises a table showing the levels, averaging times, and measurement methods for each of the State and national standards. This is followed by a section containing maps and tables showing the area designations for each pollutant for which there is a State standard in the California Code of Regulations, title 17, section 70200. The last section contains maps and tables showing the most current area designations for the national standards.

(Updated 5/4/16)

Ambient Air Quality Standards

Pollutant	Averaging Time	California Standards [1]		National Standards [2]		
		Concentration [3]	Method [4]	Primary [3,5]	Secondary [3,6]	Method [7]
Ozone (O_3)[8]	1 Hour	0.09 ppm (180 µg/m³)	Ultraviolet Photometry	—	Same as Primary Standard	Ultraviolet Photometry
	8 Hour	0.070 ppm (137 µg/m³)		0.070 ppm (137 µg/m³)		
Respirable Particulate Matter (PM10)[9]	24 Hour	50 µg/m³	Gravimetric or Beta Attenuation	150 µg/m³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m³		—		
Fine Particulate Matter (PM2.5)[9]	24 Hour	—	—	35 µg/m³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m³	Gravimetric or Beta Attenuation	12.0 µg/m³	15 µg/m³	
Carbon Monoxide (CO)	1 Hour	20 ppm (23 mg/m³)	Non-Dispersive Infrared Photometry (NDIR)	35 ppm (40 mg/m³)	—	Non-Dispersive Infrared Photometry (NDIR)
	8 Hour	9.0 ppm (10 mg/m³)		9 ppm (10 mg/m³)	—	
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m³)		—	—	
Nitrogen Dioxide (NO_2)[10]	1 Hour	0.18 ppm (339 µg/m³)	Gas Phase Chemiluminescence	100 ppb (188 µg/m³)	—	Gas Phase Chemiluminescence
	Annual Arithmetic Mean	0.030 ppm (57 µg/m³)		0.053 ppm (100 µg/m³)	Same as Primary Standard	
Sulfur Dioxide (SO_2)[11]	1 Hour	0.25 ppm (655 µg/m³)	Ultraviolet Fluorescence	75 ppb (196 µg/m³)	—	Ultraviolet Flourescence; Spectrophotometry (Pararosaniline Method)
	3 Hour	—		—	0.5 ppm (1300 µg/m³)	
	24 Hour	0.04 ppm (105 µg/m³)		0.14 ppm (for certain areas)[11]	—	
	Annual Arithmetic Mean	—		0.030 ppm (for certain areas)[11]	—	
Lead[12,13]	30 Day Average	1.5 µg/m³	Atomic Absorption	—	—	High Volume Sampler and Atomic Absorption
	Calendar Quarter	—		1.5 µg/m³ (for certain areas)[12]	Same as Primary Standard	
	Rolling 3-Month Average	—		0.15 µg/m³		
Visibility Reducing Particles[14]	8 Hour	See footnote 14	Beta Attenuation and Transmittance through Filter Tape	**No National Standards**		
Sulfates	24 Hour	25 µg/m³	Ion Chromatography			
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m³)	Ultraviolet Fluorescence			
Vinyl Chloride[12]	24 Hour	0.01 ppm (26 µg/m³)	Gas Chromatography			

See footnotes on next page ...

1. California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1- and 24-hour), nitrogen dioxide, and particulate matter (PM10, PM2.5, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.

2. National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM10, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 $\mu g/m^3$ is equal to or less than one. For PM2.5, the 24-hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact the U.S. EPA for further clarification and current national policies.

3. Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.

4. Any equivalent measurement method which can be shown to the satisfaction of the CARB to give equivalent results at or near the level of the air quality standard may be used.

5. National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.

6. National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.

7. Reference method as described by the U.S. EPA. An “equivalent method” of measurement may be used but must have a “consistent relationship to the reference method” and must be approved by the U.S. EPA.

8. On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.

9. On December 14, 2012, the national annual PM2.5 primary standard was lowered from 15 $\mu g/m^3$ to 12.0 $\mu g/m^3$. The existing national 24-hour PM2.5 standards (primary and secondary) were retained at 35 $\mu g/m^3$, as was the annual secondary standard of 15 $\mu g/m^3$. The existing 24-hour PM10 standards (primary and secondary) of 150 $\mu g/m^3$ also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.

10. To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.

11. On June 2, 2010, a new 1-hour SO_2 standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO_2 national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.

    Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.

12. The CARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.

13. The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard (1.5 $\mu g/m^3$)as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.

14. In 1989, the CARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

Area Designations for the State Ambient Air Quality Standards

The following maps and tables show the area designations for each pollutant with a State standard set forth in the California Code of Regulations, title 17, section 60200. Each area is identified as attainment, nonattainment, nonattainment-transitional, or unclassified for each pollutant, as shown below:

Designation	Abbreviation
Attainment	A
Nonattainment	N
Nonattainment-Transitional	NA-T
Unclassified	U

In general, CARB designates areas by air basin for pollutants with a regional impact and by county for pollutants with a more local impact. However, when there are areas within an air basin or county with distinctly different air quality deriving from sources and conditions not affecting the entire air basin or county, CARB may designate a smaller area. Generally, when boundaries of the designated area differ from the air basin or county boundaries, the description of the specific area is referenced at the bottom of the summary table.

Figure 1


2023
Area Designations for State
Ambient Air Quality Standards
OZONE
N
0 40 80 120 160
Miles
Del Norte
Siskiyou
Modoc
NORTHEAST PLATEAU
NORTH COAST
Trinity
Shasta
Lassen
Humboldt
Tehama
SACRAMENTO VALLEY
Plumas
Sutter Buttes
Mendocino
Glenn
Butte
Sierra
MOUNTAIN COUNTIES
Nevada
LAKE COUNTY
Lake
Colusa
Yuba
Placer
LAKE TAHOE
Sutter
Yolo
El Dorado
Sonoma
Napa
Sac
Amador
Alpine
SAN FRANCISCO BAY AREA
Solano
Calaveras
Marin
Contra Costa
San Joaquin
Tuolumne
Mono
GREAT BASIN VALLEYS
San Francisco
Alameda
Stanislaus
Mariposa
San Mateo
Santa Clara
Merced
Madera
Santa Cruz
SAN JOAQUIN VALLEY
San Benito
Fresno
Inyo
NORTH CENTRAL COAST
Kings
Tulare
Monterey
San Luis Obispo
Kern
SOUTH CENTRAL COAST
Santa Barbara
San Bernardino
Ventura
Los Angeles
MOJAVE DESERT
Riverside
Orange
SOUTH COAST
SALTON SEA
Imperial
San Diego
SAN DIEGO
Unclassified
Attainment
Nonattainment-Transitional
Nonattainment
Air Basin
County
Last Updated: November 2023
Air Quality Planning and Science Division, CARB

Table 1
California Ambient Air Quality Standards Area Designations for Ozone[1]

Area	N	NA-T	U	A
GREAT BASIN VALLEYS AIR BASIN				
Alpine County			U	
Inyo County	N			
Mono County	N			
LAKE COUNTY AIR BASIN				A
LAKE TAHOE AIR BASIN		NA-T		
MOJAVE DESERT AIR BASIN	N			
MOUNTAIN COUNTIES AIR BASIN				
Amador County		NA-T		
Calaveras County		NA-T		
El Dorado County (portion)	N			
Mariposa County	N			
Nevada County	N			
Placer County (portion)		NA-T		
Plumas County			U	
Sierra County			U	
Tuolumne County		NA-T		
NORTH CENTRAL COAST AIR BASIN				A
NORTH COAST AIR BASIN				A
NORTHEAST PLATEAU AIR BASIN				A

Area	N	NA-T	U	A
SACRAMENTO VALLEY AIR BASIN				
Butte County		NA-T		
Colusa and Glenn Counties				A
Shasta County	N			
Sutter/Yuba Counties				
Sutter Buttes		NA-T		
Remainder of Sutter County		NA-T		
Yuba County		NA-T		
Yolo/Solano Counties		NA-T		
Remainder of Air Basin	N			
SALTON SEA AIR BASIN	N			
SAN DIEGO AIR BASIN	N			
SAN FRANCISCO BAY AREA AIR BASIN		NA-T		
SAN JOAQUIN VALLEY AIR BASIN	N			
SOUTH CENTRAL COAST AIR BASIN				
San Luis Obispo County	N			
Santa Barbara County		NA-T		
Ventura County	N			
SOUTH COAST AIR BASIN	N			

[1] AB 3048 (Olberg) and AB 2525 (Miller) signed into law in 1996, made changes to Health and Safety Code, section 40925.5. One of the changes allows nonattainment districts to become nonattainment-transitional for ozone by operation of law.

Figure 2


2023
Area Designations for State
Ambient Air Quality Standards
PM10
N
0 40 80 120 160
Miles
Del Norte
Siskiyou
Modoc
NORTHEAST PLATEAU
NORTH COAST
Trinity
Shasta
Lassen
Humboldt
Tehama
SACRAMENTO VALLEY
Plumas
Mendocino
Glenn
Butte
Sierra
MOUNTAIN COUNTIES
Nevada
LAKE COUNTY
Lake
Colusa
Yuba
Placer
LAKE TAHOE
Sutter
El Dorado
Yolo
Sonoma
Napa
Sac
Amador
Alpine
Yosemite NP
SAN FRANCISCO BAY AREA
Solano
Calaveras
Marin
Contra Costa
San Joaquin
Tuolumne
Mono
GREAT BASIN VALLEYS
San Francisco
Alameda
Stanislaus
Mariposa
San Mateo
Santa Clara
Merced
Madera
Santa Cruz
San Benito
Fresno
SAN JOAQUIN VALLEY
Inyo
NORTH CENTRAL COAST
Kings
Tulare
Monterey
San Luis Obispo
Kern
SOUTH CENTRAL COAST
Santa Barbara
San Bernardino
Ventura
Los Angeles
MOJAVE DESERT
Riverside
Orange
SOUTH COAST
SALTON SEA
Imperial
San Diego
SAN DIEGO
Unclassified
Attainment
Nonattainment
Air Basin
County
Last Updated: November 2023
Air Quality Planning and Science Division, CARB

Table 2
California Ambient Air Quality Standards Area Designations for Suspended Particulate Matter (PM_{10})

Area	N	U	A
GREAT BASIN VALLEYS AIR BASIN	N		
LAKE COUNTY AIR BASIN			A
LAKE TAHOE AIR BASIN	N		
MOJAVE DESERT AIR BASIN	N		
MOUNTAIN COUNTIES AIR BASIN			
Amador County		U	
Calaveras County	N		
El Dorado County (portion)	N		
Mariposa County			
- Yosemite National Park	N		
- Remainder of County		U	
Nevada County	N		
Placer County (portion)	N		
Plumas County	N		
Sierra County	N		
Tuolumne County		U	

Area	N	U	A
NORTH CENTRAL COAST AIR BASIN	N		
NORTH COAST AIR BASIN			
Del Norte, Mendocino, Sonoma (portion) and Trinity Counties			A
Remainder of Air Basin	N		
NORTHEAST PLATEAU AIR BASIN			
Siskiyou County			A
Remainder of Air Basin		U	
SACRAMENTO VALLEY AIR BASIN			
Shasta County			A
Remainder of Air Basin	N		
SALTON SEA AIR BASIN	N		
SAN DIEGO AIR BASIN	N		
SAN FRANCISCO BAY AREA AIR BASIN	N		
SAN JOAQUIN VALLEY AIR BASIN	N		
SOUTH CENTRAL COAST AIR BASIN	N		
SOUTH COAST AIR BASIN	N		

Figure 3


2023
Area Designations for State
Ambient Air Quality Standards
PM2.5
N
0 40 80 120 160
Miles
Del Norte
Siskiyou
Modoc
NORTHEAST PLATEAU
NORTH COAST
Trinity
Shasta
Lassen
Humboldt
Tehama
Portola Valley
SACRAMENTO VALLEY
Plumas
Mendocino
Glenn
Butte
Sierra
MOUNTAIN COUNTIES
Nevada
LAKE COUNTY
Colusa
Yuba
Lake
Sutter
Placer
LAKE TAHOE
Yolo
El Dorado
Sonoma
Napa
Sac
Amador
Alpine
SAN FRANCISCO BAY AREA
Solano
Calaveras
Marin
Contra Costa
San Joaquin
Tuolumne
Mono
GREAT BASIN VALLEYS
San Francisco
Alameda
Stanislaus
Mariposa
San Mateo
Santa Clara
Merced
Madera
Santa Cruz
SAN JOAQUIN VALLEY
San Benito
Fresno
Inyo
NORTH CENTRAL COAST
Kings
Tulare
Monterey
County Portion of Federal Ozone AQMA
San Luis Obispo
Kern
SOUTH CENTRAL COAST
Santa Barbara
San Bernardino
Ventura
Los Angeles
MOJAVE DESERT
Orange
Riverside
SOUTH COAST
SALTON SEA
San Diego
Imperial
SAN DIEGO
Calexico
Unclassified
Attainment
Nonattainment
Air Basin
County
Last Updated: November 2023
Air Quality Planning and Science Division, CARB

Table 3
California Ambient Air Quality Standards Area Designations for Fine Particulate Matter ($PM_{2.5}$)

Area	N	U	A
GREAT BASIN VALLEYS AIR BASIN			A
LAKE COUNTY AIR BASIN			A
LAKE TAHOE AIR BASIN			A
MOJAVE DESERT AIR BASIN			A
MOUNTAIN COUNTIES AIR BASIN			
Plumas County			
- Portola Valley[1]	N		
- Remainder Plumas County		U	
Remainder of Air Basin		U	
NORTH CENTRAL COAST AIR BASIN			A
NORTH COAST AIR BASIN			A
NORTHEAST PLATEAU AIR BASIN			A
SACRAMENTO VALLEY AIR BASIN			
Butte County			A
Colusa County			A
Glenn County			A
Placer County (portion)			A
Sacramento County			A
Shasta County			A
Sutter and Yuba Counties	N		
Remainder of Air Basin		U	

Area	N	U	A
SALTON SEA AIR BASIN			
Imperial County			
- City of Calexico[2]	N		
Remainder of Air Basin			A
SAN DIEGO AIR BASIN	N		
SAN FRANCISCO BAY AREA AIR BASIN	N		
SAN JOAQUIN VALLEY AIR BASIN	N		
SOUTH CENTRAL COAST AIR BASIN			A
SOUTH COAST AIR BASIN	N		

[1] California Code of Regulations, title 17, section 60200(c)

[2] California Code of Regulations, title 17, section 60200(a)

Figure 4


2023
Area Designations for State
Ambient Air Quality Standards
CARBON MONOXIDE
N
0 40 80 120 160
Miles
Del Norte
Siskiyou
Modoc
NORTHEAST PLATEAU
NORTH COAST
Trinity
Shasta
Lassen
Humboldt
Tehama
SACRAMENTO VALLEY
Plumas
Mendocino
Glenn
Butte
Sierra
MOUNTAIN COUNTIES
Nevada
LAKE COUNTY
Colusa
Yuba
Lake
Placer
LAKE TAHOE
Sutter
Yolo
El Dorado
Sonoma
Napa
Sac
Amador
Alpine
SAN FRANCISCO BAY AREA
Solano
Calaveras
Marin
Contra Costa
San Joaquin
Tuolumne
Mono
GREAT BASIN VALLEYS
San Francisco
Alameda
Stanislaus
Mariposa
San Mateo
Santa Clara
Merced
Madera
Santa Cruz
San Benito
Fresno
SAN JOAQUIN VALLEY
NORTH CENTRAL COAST
Kings
Tulare
Inyo
Monterey
San Luis Obispo
Kern
SOUTH CENTRAL COAST
Santa Barbara
San Bernardino
Ventura
Los Angeles
MOJAVE DESERT
Riverside
Orange
SOUTH COAST
SALTON SEA
San Diego
Imperial
SAN DIEGO
Unclassified
Attainment
Air Basin
County
Last Updated: November 2023
Air Quality Planning and Science Division, CARB

Table 4
California Ambient Air Quality Standards Area Designations for Carbon Monoxide*

Area	N	NA-T	U	A
GREAT BASIN VALLEYS AIR BASIN				
Alpine County			U	
Inyo County				A
Mono County				A
LAKE COUNTY AIR BASIN				A
LAKE TAHOE AIR BASIN				A
MOJAVE DESERT AIR BASIN				
Kern County (portion)			U	
Los Angeles County (portion)				A
Riverside County (portion)			U	
San Bernardino County (portion)				A
MOUNTAIN COUNTIES AIR BASIN				
Amador County			U	
Calaveras County			U	
El Dorado County (portion)			U	
Mariposa County			U	
Nevada County			U	
Placer County (portion)			U	
Plumas County				A
Sierra County			U	
Tuolumne County				A
NORTH CENTRAL COAST AIR BASIN				
Monterey County				A
San Benito County			U	
Santa Cruz County			U	
NORTH COAST AIR BASIN				
Del Norte County			U	
Humboldt County				A
Mendocino County				A
Sonoma County (portion)			U	
Trinity County			U	
NORTHEAST PLATEAU AIR BASIN			U	

Area	N	NA-T	U	A
SACRAMENTO VALLEY AIR BASIN				
Butte County				A
Colusa County			U	
Glenn County			U	
Placer County (portion)				A
Sacramento County				A
Shasta County			U	
Solano County (portion)				A
Sutter County				A
Tehama County			U	
Yolo County				A
Yuba County			U	
SALTON SEA AIR BASIN				A
SAN DIEGO AIR BASIN				A
SAN FRANCISCO BAY AREA AIR BASIN				A
SAN JOAQUIN VALLEY AIR BASIN				
Fresno County				A
Kern County (portion)				A
Kings County			U	
Madera County			U	
Merced County			U	
San Joaquin County				A
Stanislaus County				A
Tulare County				A
SOUTH CENTRAL COAST AIR BASIN				A
SOUTH COAST AIR BASIN				A

* The area designated for carbon monoxide is a county or portion of a county

Figure 5



Last Updated: November 2023
Air Quality Planning and Science Division, CARB

Table 5
California Ambient Air Quality Standards Area Designations for Nitrogen Dioxide

Area	N	U	A
GREAT BASIN VALLEYS AIR BASIN			A
LAKE COUNTY AIR BASIN			A
LAKE TAHOE AIR BASIN			A
MOJAVE DESERT AIR BASIN			A
MOUNTAIN COUNTIES AIR BASIN			A
NORTH CENTRAL COAST AIR BASIN			A
NORTH COAST AIR BASIN			A
NORTHEAST PLATEAU AIR BASIN			A

Area	N	U	A
SACRAMENTO VALLEY AIR BASIN			A
SALTON SEA AIR BASIN			A
SAN DIEGO AIR BASIN			A
SAN FRANCISCO BAY AREA AIR BASIN			A
SAN JOAQUIN VALLEY AIR BASIN			A
SOUTH CENTRAL COAST AIR BASIN			A
SOUTH COAST AIR BASIN			
CA 60 Near-road Portion of San Bernardino, Riverside, and Los Angeles Counties			A
Remainder of Air Basin			A

Figure 6


2023
Area Designations for State
Ambient Air Quality Standards
SULFUR DIOXIDE
N
0 40 80 120 160
Miles
Del Norte
Siskiyou
Modoc
NORTHEAST PLATEAU
NORTH COAST
Trinity
Shasta
Lassen
Humboldt
Tehama
SACRAMENTO VALLEY
Plumas
Mendocino
Glenn
Butte
Sierra
MOUNTAIN COUNTIES
Nevada
LAKE COUNTY
Colusa
Yuba
Lake
Sutter
Placer
LAKE TAHOE
Yolo
El Dorado
Sonoma
Napa
Sac
Amador
Alpine
SAN FRANCISCO BAY AREA
Solano
Calaveras
Marin
Contra Costa
San Joaquin
Tuolumne
Mono
GREAT BASIN VALLEYS
San Francisco
Alameda
Stanislaus
Mariposa
San Mateo
Santa Clara
Merced
Madera
Santa Cruz
San Benito
Fresno
SAN JOAQUIN VALLEY
Inyo
NORTH CENTRAL COAST
Kings
Tulare
Monterey
San Luis Obispo
Kern
SOUTH CENTRAL COAST
Santa Barbara
San Bernardino
Ventura
Los Angeles
MOJAVE DESERT
Riverside
Orange
SOUTH COAST
SALTON SEA
San Diego
Imperial
SAN DIEGO
Attainment
Air Basin
County
Last Updated: November 2023
Air Quality Planning and Science Division, CARB

Table 6
California Ambient Air Quality Standards Area Designations for Sulfur Dioxide*

Area	N	A
GREAT BASIN VALLEYS AIR BASIN		A
LAKE COUNTY AIR BASIN		A
LAKE TAHOE AIR BASIN		A
MOJAVE DESERT AIR BASIN		A
MOUNTAIN COUNTIES AIR BASIN		A
NORTH CENTRAL COAST AIR BASIN		A
NORTH COAST AIR BASIN		A
NORTHEAST PLATEAU AIR BASIN		A

Area	N	A
SACRAMENTO VALLEY AIR BASIN		A
SALTON SEA AIR BASIN		A
SAN DIEGO AIR BASIN		A
SAN FRANCISCO BAY AREA AIR BASIN		A
SAN JOAQUIN VALLEY AIR BASIN		A
SOUTH CENTRAL COAST AIR BASIN		A
SOUTH COAST AIR BASIN		A

* The area designated for sulfur dioxide is a county or portion of a county. Since all areas in the State are in attainment for this standard, air basins are indicated here for simplicity.

Figure 7


2023
Area Designations for State
Ambient Air Quality Standards
SULFATES
N
0 40 80 120 160
Miles
Del Norte
Siskiyou
Modoc
NORTHEAST PLATEAU
NORTH COAST
Trinity
Shasta
Lassen
Humboldt
Tehama
SACRAMENTO VALLEY
Plumas
Mendocino
Glenn
Butte
Sierra
MOUNTAIN COUNTIES
Nevada
LAKE COUNTY
Colusa
Yuba
Lake
Placer
LAKE TAHOE
Sutter
Yolo
El Dorado
Sonoma
Napa
Sac
Amador
Alpine
SAN FRANCISCO BAY AREA
Solano
Calaveras
Marin
Contra Costa
San Joaquin
Tuolumne
Mono
GREAT BASIN VALLEYS
San Francisco
Alameda
Stanislaus
Mariposa
San Mateo
Santa Clara
Merced
Madera
Santa Cruz
SAN JOAQUIN VALLEY
San Benito
Fresno
Inyo
NORTH CENTRAL COAST
Kings
Tulare
Monterey
San Luis Obispo
Kern
SOUTH CENTRAL COAST
Santa Barbara
San Bernardino
Ventura
Los Angeles
MOJAVE DESERT
Riverside
Orange
SOUTH COAST
SALTON SEA
San Diego
Imperial
SAN DIEGO
Attainment
Air Basin
County
Last Updated: November 2023
Air Quality Planning and Science Division, CARB

Table 7
California Ambient Air Quality Standards Area Designations for Sulfates

Area	N	U	A
GREAT BASIN VALLEYS AIR BASIN			A
LAKE COUNTY AIR BASIN			A
LAKE TAHOE AIR BASIN			A
MOJAVE DESERT AIR BASIN			A
MOUNTAIN COUNTIES AIR BASIN			A
NORTH CENTRAL COAST AIR BASIN			A
NORTH COAST AIR BASIN			A
NORTHEAST PLATEAU AIR BASIN			A

Area	N	U	A
SACRAMENTO VALLEY AIR BASIN			A
SALTON SEA AIR BASIN			A
SAN DIEGO AIR BASIN			A
SAN FRANCISCO BAY AREA AIR BASIN			A
SAN JOAQUIN VALLEY AIR BASIN			A
SOUTH CENTRAL COAST AIR BASIN			A
SOUTH COAST AIR BASIN			A

Figure 8


2023
Area Designations for State
Ambient Air Quality Standards
LEAD
N
0 40 80 120 160
Miles
Del Norte
Siskiyou
Modoc
NORTHEAST PLATEAU
NORTH COAST
Trinity
Shasta
Lassen
Humboldt
Tehama
SACRAMENTO VALLEY
Plumas
Mendocino
Glenn
Butte
Sierra
MOUNTAIN COUNTIES
Nevada
LAKE COUNTY
Colusa
Yuba
Lake
Placer
LAKE TAHOE
Sutter
Yolo
El Dorado
Sonoma
Napa
Sac
Amador
Alpine
SAN FRANCISCO BAY AREA
Solano
Calaveras
Marin
Contra Costa
San Joaquin
Tuolumne
Mono
GREAT BASIN VALLEYS
San Francisco
Alameda
Stanislaus
Mariposa
San Mateo
Santa Clara
Merced
Madera
Santa Cruz
San Benito
Fresno
SAN JOAQUIN VALLEY
NORTH CENTRAL COAST
Kings
Tulare
Inyo
Monterey
San Luis Obispo
Kern
SOUTH CENTRAL COAST
Santa Barbara
San Bernardino
Ventura
Los Angeles
MOJAVE DESERT
Riverside
Orange
SOUTH COAST
SALTON SEA
San Diego
Imperial
SAN DIEGO
Attainment
Air Basin
County
Last Updated: November 2023
Air Quality Planning and Science Division, CARB

Table 8
California Ambient Air Quality Standards Area Designations for Lead (particulate)*

Area	N	U	A
GREAT BASIN VALLEYS AIR BASIN			A
LAKE COUNTY AIR BASIN			A
LAKE TAHOE AIR BASIN			A
MOJAVE DESERT AIR BASIN			A
MOUNTAIN COUNTIES AIR BASIN			A
NORTH CENTRAL COAST AIR BASIN			A
NORTH COAST AIR BASIN			A
NORTHEAST PLATEAU AIR BASIN			A
SACRAMENTO VALLEY AIR BASIN			A

Area	N	U	A
SALTON SEA AIR BASIN			A
SAN DIEGO AIR BASIN			A
SAN FRANCISCO BAY AREA AIR BASIN			A
SAN JOAQUIN VALLEY AIR BASIN			A
SOUTH CENTRAL COAST AIR BASIN			A
SOUTH COAST AIR BASIN			A

* The area designated for lead is a county or portion of a county. Since all areas in the State are in attainment for this standard, air basins are indicated here for simplicity.

Figure 9


2023
Area Designations for State
Ambient Air Quality Standards
HYDROGEN SULFIDE
N
0 40 80 120 160
Miles
Del Norte
Siskiyou
Modoc
NORTHEAST PLATEAU
NORTH COAST
Trinity
Shasta
Lassen
Humboldt
Tehama
SACRAMENTO VALLEY
Plumas
Mendocino
Glenn
Butte
Sierra
MOUNTAIN COUNTIES
Nevada
LAKE COUNTY
Colusa
Yuba
Lake
Sutter
Placer
LAKE TAHOE
Geyser Geothermal
Yolo
El Dorado
City of Sutter Creek
Sonoma
Napa
Sac
Amador
Alpine
SAN FRANCISCO BAY AREA
Solano
Calaveras
Marin
Contra Costa
San Joaquin
Tuolumne
Mono
GREAT BASIN VALLEYS
San Francisco
Alameda
Stanislaus
Mariposa
San Mateo
Santa Clara
Merced
Madera
Santa Cruz
San Benito
Fresno
SAN JOAQUIN VALLEY
Inyo
NORTH CENTRAL COAST
Kings
Tulare
Searles Valley
Monterey
San Luis Obispo
Kern
SOUTH CENTRAL COAST
Santa Barbara
San Bernardino
Ventura
Los Angeles
MOJAVE DESERT
Coachella Valley
Riverside
Orange
SOUTH COAST
SALTON SEA
Imperial
San Diego
SAN DIEGO
Unclassified
Attainment
Nonattainment
Air Basin
County
Last Updated: November 2023
Air Quality Planning and Science Division, CARB

Table 9
California Ambient Air Quality Standards Area Designations for Hydrogen Sulfide*

Area	N	NA-T	U	A
GREAT BASIN VALLEYS AIR BASIN				
Alpine County			U	
Inyo County				A
Mono County				A
LAKE COUNTY AIR BASIN				A
LAKE TAHOE AIR BASIN			U	
MOJAVE DESERT AIR BASIN				
Kern County (portion)			U	
Los Angeles County (portion)			U	
Riverside County (portion)			U	
San Bernardino County (portion)				
- Searles Valley Planning Area[1]	N			
- Remainder of County			U	
MOUNTAIN COUNTIES AIR BASIN				
Amador County				
- City of Sutter Creek	N			
- Remainder of County			U	
Calaveras County			U	
El Dorado County (portion)			U	
Mariposa County			U	
Nevada County			U	
Placer County (portion)			U	
Plumas County			U	
Sierra County			U	
Tuolumne County			U	

Area	N	NA-T	U	A
NORTH CENTRAL COAST AIR BASIN			U	
NORTH COAST AIR BASIN				
Del Norte County			U	
Humboldt County				A
Mendocino County			U	
Sonoma County (portion)				
- Geyser Geothermal Area[2]				A
- Remainder of County			U	
Trinity County			U	
NORTHEAST PLATEAU AIR BASIN			U	
SACRAMENTO VALLEY AIR BASIN			U	
SALTON SEA AIR BASIN				
Riverside County (portion)	N			
Imperial County			U	
SAN DIEGO AIR BASIN			U	
SAN FRANCISCO BAY AREA AIR BASIN			U	
SAN JOAQUIN VALLEY AIR BASIN			U	
SOUTH CENTRAL COAST AIR BASIN				
San Luis Obispo County				A
Santa Barbara County				A
Ventura County			U	
SOUTH COAST AIR BASIN			U	

* The area designated for hydrogen sulfide is a county or portion of a county

[1] 52 Federal Register 29384 (August 7, 1987)

[2] California Code of Regulations, title 17, section 60200(d)

Figure 10

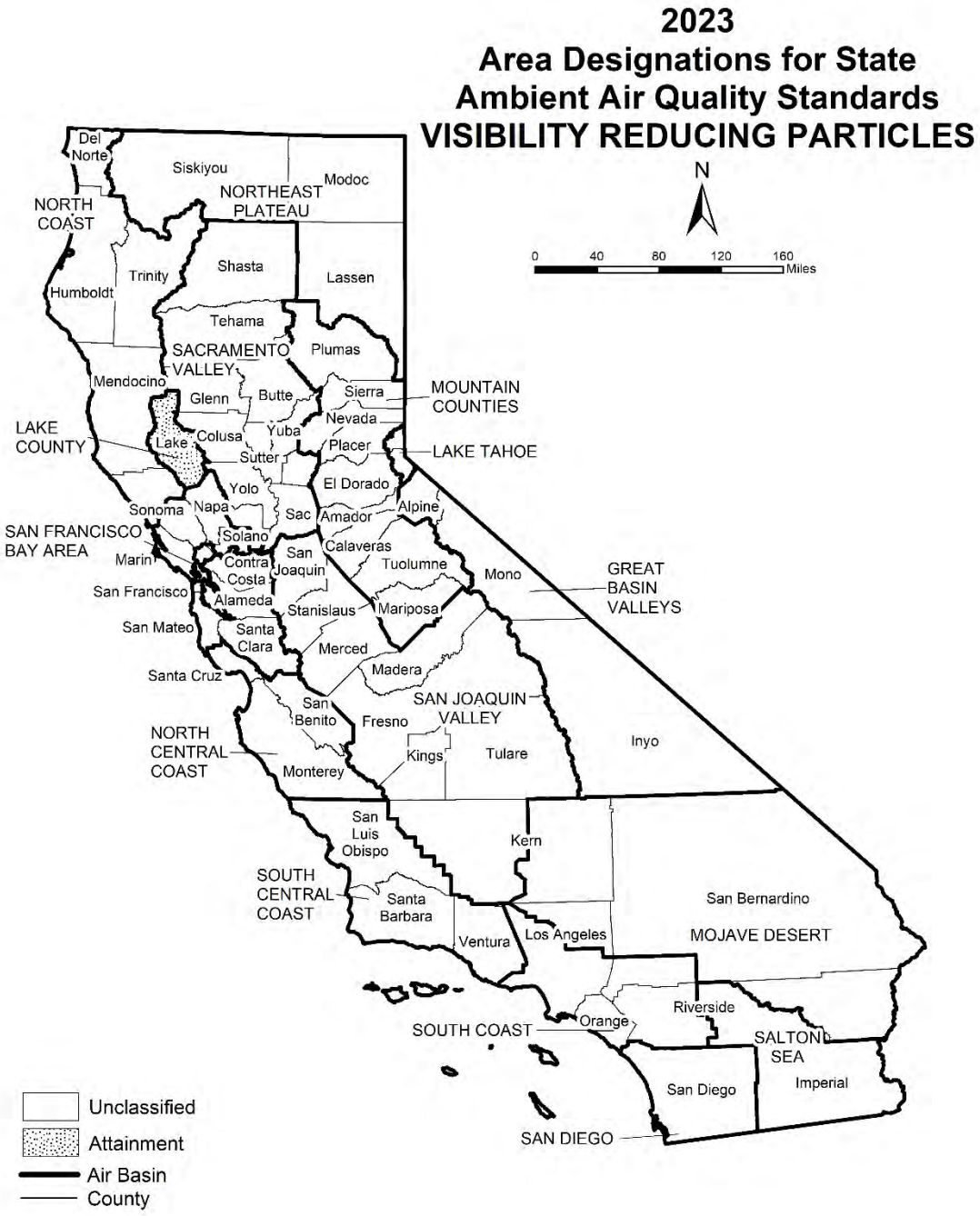

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Table 10
California Ambient Air Quality Standards Area Designations for Visibility Reducing Particles

Area	N	NA-T	U	A
GREAT BASIN VALLEYS AIR BASIN			U	
LAKE COUNTY AIR BASIN				A
LAKE TAHOE AIR BASIN			U	
MOJAVE DESERT AIR BASIN			U	
MOUNTAIN COUNTIES AIR BASIN			U	
NORTH CENTRAL COAST AIR BASIN			U	
NORTH COAST AIR BASIN			U	
NORTHEAST PLATEAU AIR BASIN			U	

Area	N	NA-T	U	A
SACRAMENTO VALLEY AIR BASIN			U	
SALTON SEA AIR BASIN			U	
SAN DIEGO AIR BASIN			U	
SAN FRANCISCO BAY AREA AIR BASIN			U	
SAN JOAQUIN VALLEY AIR BASIN			U	
SOUTH CENTRAL COAST AIR BASIN			U	
SOUTH COAST AIR BASIN			U	

Area Designations for the National Ambient Air Quality Standards

The following maps and tables show the area designations for each pollutant with a national ambient air quality standard. Additional information about the federal area designations is available on the U.S. EPA website:

https://www.epa.gov/green-book

Over the last several years, U.S. EPA has been reviewing the levels of the various national standards. The agency has already promulgated new standard levels for some pollutants and is considering revising the levels for others. Information about the status of these reviews is available on the U.S. EPA website:

https://www.epa.gov/criteria-air-pollutants

Designation Categories

Suspended Particulate Matter (PM_{10}). The U.S. EPA uses three categories to designate areas with respect to PM_{10}:

- Attainment (A)
- Nonattainment (N)
- Unclassifiable (U)

Ozone, Fine Suspended Particulate Matter ($PM_{2.5}$), Carbon Monoxide (CO), and Nitrogen Dioxide (NO_2). The U.S. EPA uses two categories to designate areas with respect to these standards:

- Nonattainment (N)
- Unclassifiable/Attainment (U/A)

The national 1-hour ozone standard was revoked effective June 15, 2005, and the area designations map reflects the 2015 national 8-hour ozone standard of 0.070 ppm. Area designations were finalized on August 3, 2018.

On December 14, 2012, the U.S. EPA established a new national annual primary $PM_{2.5}$ standard of 12.0 µg/m^3. Area designations were finalized in December 2014. The current designation map reflects the most recently revised (2012) annual average standard of 12.0 µg/m^3 as well as the 24-hour standard of 35 µg/m^3, revised in 2006.

On January 22, 2010, the U.S. EPA established a new national 1-hour NO_2 standard of 100 parts per billion (ppb) and retained the annual average standard of 53 ppb. Designations for the primary NO_2 standard became effective on February 29, 2012. All areas of California meet this standard.

Sulfur Dioxide (SO_2). The U.S. EPA uses three categories to designate areas with respect to the 24-hour and annual average sulfur dioxide standards. These designation categories are:

- Nonattainment (N),
- Unclassifiable (U), and
- Unclassifiable/Attainment (U/A).

On June 2, 2010, the U.S. EPA established a new primary 1-hour SO_2 standard of 75 parts per billion (ppb). At the same time, U.S. EPA revoked the 24-hour and annual average standards. Area designations for the 1-hour SO_2 standard were finalized on December 21, 2017 and are reflected in the area designations map.

Lead (particulate). The U.S. EPA promulgated a new rolling 3-month average lead standard in October 2008 of 0.15 µg/m^3. Designations were made for this standard in November 2010.

Designation Areas

From time to time, the boundaries of the California air basins have been changed to facilitate the planning process. CARB generally initiates these changes, and they are not always reflected in the U.S. EPA's area designations. For purposes of consistency, the maps in this attachment reflect area designation boundaries and nomenclature as promulgated by the U.S. EPA. In some cases, these may not be the same as those adopted by CARB. For example, the national area designations reflect the former Southeast Desert Air Basin. In accordance with Health and Safety Code section 39606.1, CARB redefined this area in 1996 to be the Mojave Desert Air Basin and Salton Sea Air Basin. The definitions and boundaries for all areas designated for the national standards can be found in Title 40, Code of Federal Regulations (CFR), Chapter I, Subchapter C, Part 81.305. They are available on the web at: *https://ecfr.io/Title-40/se40.20.81_1305*

Figure 11


Area Designations for National Ambient Air Quality Standards
8-HOUR OZONE
N
0 50 100 150 200 Miles
Del Norte
Siskiyou
Modoc
NORTHEAST PLATEAU
NORTH COAST
Trinity
Shasta
Lassen
Humboldt
Tehama
Sutter Buttes
Tuscan Buttes
SACRAMENTO VALLEY
Plumas
Mendocino
Glenn
Butte
Sierra
MOUNTAIN COUNTIES
Nevada
LAKE COUNTY
Lake
Colusa
Sutter
Yuba
Placer
LAKE TAHOE
Yolo
El Dorado
Sonoma
Napa
Sac
Amador
Alpine
SAN FRANCISCO BAY AREA
Solano
Calaveras
Marin
Contra Costa
San Joaquin
Tuolumne
Mono
GREAT BASIN VALLEYS
San Francisco
Alameda
Stanislaus
Mariposa
San Mateo
Santa Clara
Merced
Madera
Santa Cruz
SAN JOAQUIN VALLEY
San Benito
Fresno
Inyo
Antelope Valley and Western Mojave Desert
NORTH CENTRAL COAST
Monterey
Kings
Tulare
San Luis Obispo
Kern
SOUTH CENTRAL COAST
Santa Barbara
San Bernardino
Ventura
Los Angeles
MOJAVE DESERT
Riverside
SOUTH COAST
Orange
SALTON SEA
Coachella Valley
Imperial
San Diego
SAN DIEGO
Unclassified/Attainment
Nonattainment
Air Basin
County
Last Updated: November 2023
Map reflects the 2015 8-hour ozone standard of 0.070 ppm
Air Quality Planning and Science Division, CARB

Table 11
National Ambient Air Quality Standards Area Designations for 8-Hour Ozone*

Area	N	U/A
GREAT BASIN VALLEYS AIR BASIN		U/A
LAKE COUNTY AIR BASIN		U/A
LAKE TAHOE AIR BASIN		U/A
MOUNTAIN COUNTIES AIR BASIN		
Amador County	N	
Calaveras County	N	
El Dorado County (portion)[1]	N	
Mariposa County	N	
Nevada County		
- Western Nevada County	N	
- Remainder of County		U/A
Placer County (portion)[1]	N	
Plumas County		U/A
Sierra County		U/A
Tuolumne County	N	
NORTH CENTRAL COAST AIR BASIN		U/A
NORTH COAST AIR BASIN		U/A
NORTHEAST PLATEAU AIR BASIN		U/A
SACRAMENTO VALLEY AIR BASIN		
Butte County	N	
Colusa County		U/A
Glenn County		U/A
Sacramento Metro Area[1]	N	
Shasta County		U/A
Sutter County		
- Sutter Buttes	N	
- Southern portion of Sutter County[1]	N	
- Remainder of Sutter County		U/A
Tehama County		
- Tuscan Buttes	N	
- Remainder of Tehama County		U/A

Area	N	U/A
SACRAMENTO VALLEY AIR BASIN (cont.)		
Yolo County[1]	N	
Yuba County		U/A
SAN DIEGO COUNTY	N	
SAN FRANCISCO BAY AREA AIR BASIN	N	
SAN JOAQUIN VALLEY AIR BASIN	N	
SOUTH CENTRAL COAST AIR BASIN[2]		
San Luis Obispo County		
- Eastern San Luis Obispo County	N	
- Remainder of County		U/A
Santa Barbara County		U/A
Ventura County		
- Area excluding Anacapa and San Nicolas Islands	N	
- Channel Islands[2]		U/A
SOUTH COAST AIR BASIN[2]	N	
SOUTHEAST DESERT AIR BASIN		
Kern County (portion)	N	
- Indian Wells Valley		U/A
Imperial County	N	
Los Angeles County (portion)	N	
Riverside County (portion)		
- Coachella Valley	N	
- Non-AQMA portion		U/A
San Bernardino County		
- Western portion (AQMA)	N	
- Eastern portion (non-AQMA)		U/A

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.
NOTE: This map and Table reflect the 2015 8-hour ozone standard of 0.070 ppm.

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[1] For this purpose, the Sacramento Metro Area comprises all of Sacramento and Yolo Counties, the Sacramento Valley Air Basin portion of Solano County, the southern portion of Sutter County, and the Sacramento Valley and Mountain Counties Air Basins portions of Placer and El Dorado counties.

[2] South Central Coast Air Basin Channel Islands:
Santa Barbara County includes Santa Cruz, San Miguel, Santa Rosa, and Santa Barbara Islands.
Ventura County includes Anacapa and San Nicolas Islands.
South Coast Air Basin:
Los Angeles County includes San Clemente and Santa Catalina Islands.

Figure 12


Area Designations for National Ambient Air Quality Standards PM10
N
0 50 100 150 200 Miles
Del Norte
Siskiyou
Modoc
NORTHEAST PLATEAU
NORTH COAST
Shasta
Trinity
Lassen
Humboldt
Tehema
SACRAMENTO VALLEY
Plumas
Mendocino
Glenn
Butte
Sierra
MOUNTAIN COUNTIES
Nevada
LAKE COUNTY
Colusa
Yuba
Lake
Sutter
Placer
LAKE TAHOE
Yolo
El Dorado
Alpine
Sacramento County
Sonoma
Napa
Sac
Amador
Mono
Mono Basin
SAN FRANCISCO BAY AREA
Marin
Solano
Calaveras
San Joaquin
Contra Costa
Tuolumne
Mammoth Lake
GREAT BASIN VALLEYS
San Francisco
Alameda
Stanislaus
Mariposa
San Mateo
Santa Clara
Merced
Madera
Inyo
Santa Cruz
San Benito
Fresno
SAN JOAQUIN VALLEY
Owens Valley
Coso Junction
Trona
NORTH CENTRAL COAST
Monterey
Kings
Tulare
San Luis Obispo
Kern
Indian Wells Valley
San Bernardino
SOUTH CENTRAL COAST
Santa Barbara
SOUTHEAST DESERT
Ventura
Los Angeles
Riverside
Coachella Valley
Orange
SOUTH COAST
Imperial
San Diego
SAN DIEGO COUNTY
Unclassified
Attainment
Nonattainment
Air Basin
County
Last Updated: November 2023
Air Quality Planning and Science Division

Table 12
National Ambient Air Quality Standards Area Designations for Suspended Particulate Matter (PM_{10})*

Area	N	U	A
GREAT BASIN VALLEYS AIR BASIN			
Alpine County		U	
Inyo County			
- Owens Valley Planning Area	N		
- Coso Junction			A
- Remainder of County		U	
Mono County			
- Mammoth Lake Planning Area			A
- Mono Lake Basin	N		
- Remainder of County		U	
LAKE COUNTY AIR BASIN		U	
LAKE TAHOE AIR BASIN		U	
MOUNTAIN COUNTIES AIR BASIN		U	
NORTH CENTRAL COAST AIR BASIN		U	
NORTH COAST AIR BASIN		U	
NORTHEAST PLATEAU AIR BASIN		U	
SACRAMENTO VALLEY AIR BASIN			
Sacramento County[1]			A
Remainder of Air Basin		U	
SAN DIEGO COUNTY		U	

Area	N	U	A
SAN FRANCISCO BAY AREA AIR BASIN		U	
SAN JOAQUIN VALLEY AIR BASIN			A
SOUTH CENTRAL COAST AIR BASIN		U	
SOUTH COAST AIR BASIN			A
SOUTHEAST DESERT AIR BASIN			
Eastern Kern County			
- Indian Wells Valley			A
- Portion within San Joaquin Valley Planning Area	N		
- Remainder of County		U	
Imperial County			
- Imperial Valley Planning Area[2]			A
- Remainder of County		U	
Los Angeles County (portion)		U	
Riverside County (portion)			
- Coachella Valley	N		
- Non-AQMA portion		U	
San Bernardino County			
- Trona	N		
- Remainder of County	N		

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

[1] Air quality in Sacramento County meets the national PM_{10} standards. The request for redesignation to attainment was approved by U.S. EPA in September 2013.

[2] The request for redesignation to attainment for the Imperial Valley Planning Area was approved by U.S. EPA in September 2020, effective October 2020.

Figure 13


Area Designations for National Ambient Air Quality Standards PM2.5
N
0 50 100 150 200 Miles
NORTH COAST
Del Norte
Siskiyou
Modoc
NORTHEAST PLATEAU
Humboldt
Trinity
Shasta
Lassen
Tehama
SACRAMENTO VALLEY
Plumas
Glenn
Butte
Sierra
MOUNTAIN COUNTIES
Mendocino
Nevada
LAKE COUNTY
Colusa
Yuba
Placer
Lake
LAKE TAHOE
Sutter
El Dorado
Yolo
Alpine
Sonoma
Napa
Sacramento
Amador
SAN FRANCISCO BAY AREA
Solano
Calaveras
GREAT BASIN VALLEYS
Marin
Tuolumne
Contra Costa
San Joaquin
Mono
Alameda
Stanislaus
Mariposa
San Mateo
Merced
Madera
Santa Clara
Santa Cruz
Fresno
NORTH CENTRAL COAST
San Benito
Inyo
Tulare
Monterey
SAN JOAQUIN VALLEY
San Luis Obispo
Kern
San Bernardino
SOUTH CENTRAL COAST
Santa Barbara
SOUTHEAST DESERT
Ventura
Los Angeles
Riverside
Orange
SOUTH COAST
San Diego
Imperial
SAN DIEGO COUNTY
Unclassified/Attainment
Nonattainment
Air Basin
County
Last Updated: November 2023
Air Quality Planning and Science Division

Table 13
National Ambient Air Quality Standards Area Designations for Fine Particulate Matter ($PM_{2.5}$)

Area	N	U/A
GREAT BASIN VALLEYS AIR BASIN		U/A
LAKE COUNTY AIR BASIN		U/A
LAKE TAHOE AIR BASIN		U/A
MOUNTAIN COUNTIES AIR BASIN		
Plumas County		
- Portola Valley Portion of Plumas County	N	
- Remainder of Plumas County		U/A
Remainder of Air Basin		U/A
NORTH CENTRAL COAST AIR BASIN		U/A
NORTH COAST AIR BASIN		U/A
NORTHEAST PLATEAU AIR BASIN		U/A
SACRAMENTO VALLEY AIR BASIN		
Sacramento Metro Area[1]	N	
Remainder of Air Basin		U/A

Area	N	U/A
SAN DIEGO COUNTY		U/A
SAN FRANCISCO BAY AREA AIR BASIN[2]	N	
SAN JOAQUIN VALLEY AIR BASIN	N	
SOUTH CENTRAL COAST AIR BASIN		U/A
SOUTH COAST AIR BASIN[3]	N	
SOUTHEAST DESERT AIR BASIN		
Imperial County (portion)[4]	N	
Remainder of Air Basin		U/A

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305. This map reflects the 2006 24-hour $PM_{2.5}$ standard as well as the 1997 and 2012 $PM_{2.5}$ annual standards.

[1] For this purpose, Sacramento Metro Area comprises all of Sacramento and portions of El Dorado, Placer, Solano, and Yolo Counties. Air quality in this area meets the national $PM_{2.5}$ standards. A Determination of Attainment for the 2006 24-hour $PM_{2.5}$ standard was made by U.S. EPA in June 2017.

[2] Air quality in this area meets the national $PM_{2.5}$ standards. A Determination of Attainment for the 2006 24-hour $PM_{2.5}$ standard was made by U.S. EPA in June 2017.

[3] Those lands of the Santa Rosa Band of Cahulla Mission Indians in Riverside County are designated Unclassifiable/Attainment.

[4] That portion of Imperial County encompassing the urban and surrounding areas of Brawley, Calexico, El Centro, Heber, Holtville, Imperial, Seeley, and Westmorland. Air quality in this area meets the national $PM_{2.5}$ standards. A Determination of Attainment for the 2006 24-hour $PM_{2.5}$ standard was made by U.S. EPA in June 2017.

Figure 14

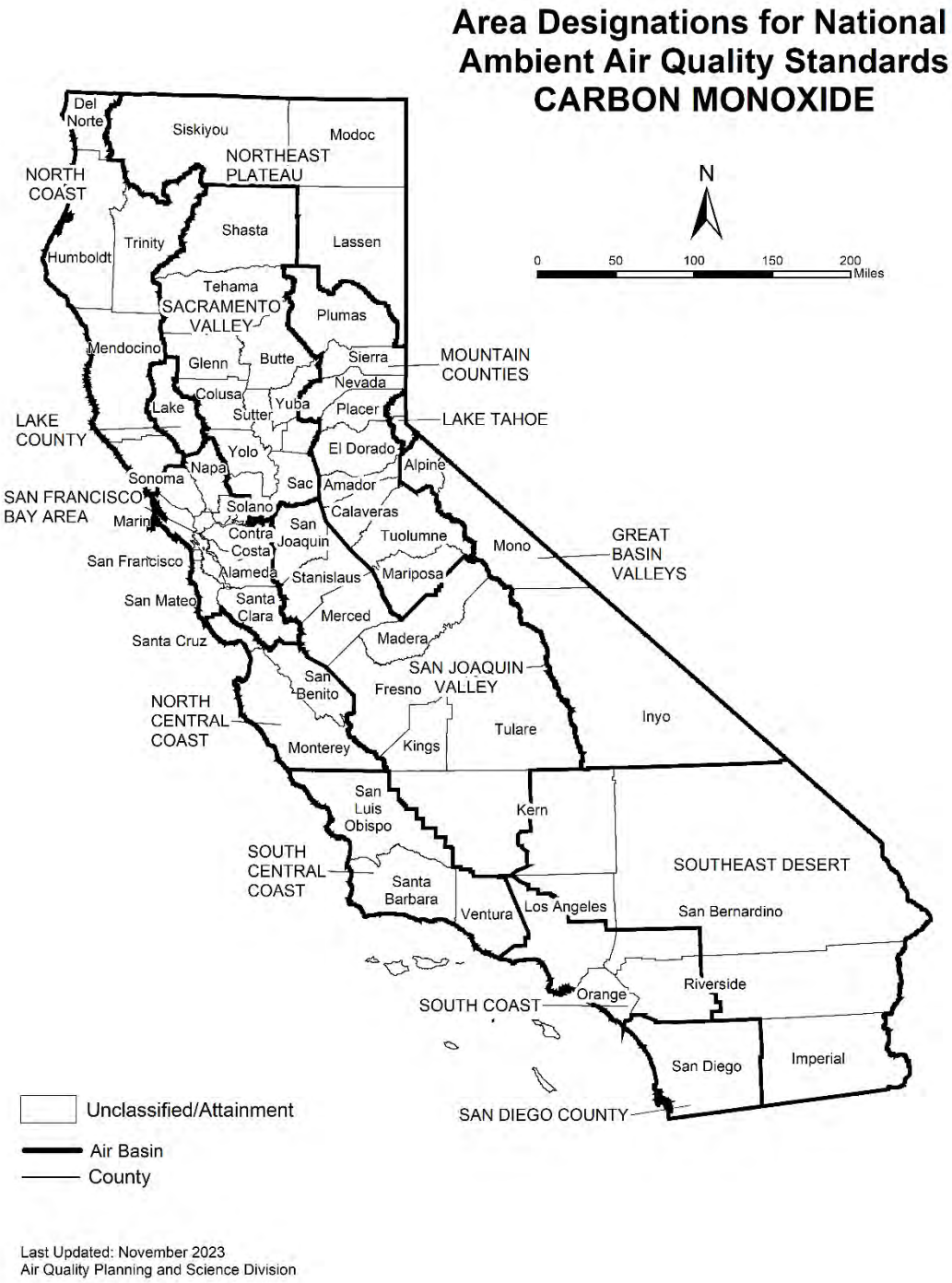
Area Designations for National Ambient Air Quality Standards
CARBON MONOXIDE
N
0 50 100 150 200 Miles
Del Norte
Siskiyou
Modoc
NORTHEAST PLATEAU
NORTH COAST
Trinity
Shasta
Lassen
Humboldt
Tehama
SACRAMENTO VALLEY
Plumas
Mendocino
Glenn
Butte
Sierra
MOUNTAIN COUNTIES
Nevada
Colusa
Lake
Sutter
Yuba
Placer
LAKE TAHOE
LAKE COUNTY
Yolo
El Dorado
Napa
Alpine
Sonoma
Sac
Amador
SAN FRANCISCO BAY AREA
Solano
Calaveras
Marin
San Joaquin
Contra Costa
Tuolumne
Mono
GREAT BASIN VALLEYS
San Francisco
Alameda
Stanislaus
Mariposa
San Mateo
Santa Clara
Merced
Santa Cruz
Madera
SAN JOAQUIN VALLEY
San Benito
Fresno
NORTH CENTRAL COAST
Tulare
Inyo
Monterey
Kings
San Luis Obispo
Kern
SOUTH CENTRAL COAST
SOUTHEAST DESERT
Santa Barbara
Ventura
Los Angeles
San Bernardino
Riverside
Orange
SOUTH COAST
San Diego
Imperial
SAN DIEGO COUNTY
Unclassified/Attainment
Air Basin
County
Last Updated: November 2023
Air Quality Planning and Science Division

Table 14
National Ambient Air Quality Standards Area Designations for Carbon Monoxide*

Area	N	U/A
GREAT BASIN VALLEYS AIR BASIN		U/A
LAKE COUNTY AIR BASIN		U/A
LAKE TAHOE AIR BASIN		U/A
MOUNTAIN COUNTIES AIR BASIN		U/A
NORTH CENTRAL COAST AIR BASIN		U/A
NORTH COAST AIR BASIN		U/A
NORTHEAST PLATEAU AIR BASIN		U/A

Area	N	U/A
SACRAMENTO VALLEY AIR BASIN		U/A
SAN DIEGO COUNTY		U/A
SAN FRANCISCO BAY AREA AIR BASIN		U/A
SAN JOAQUIN VALLEY AIR BASIN		U/A
SOUTH CENTRAL COAST AIR BASIN		U/A
SOUTH COAST AIR BASIN		U/A
SOUTHEAST DESERT AIR BASIN		U/A

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

Figure 15


Area Designations for National Ambient Air Quality Standards
NITROGEN DIOXIDE
N
0 50 100 150 200 Miles
Del Norte
Siskiyou
Modoc
NORTHEAST PLATEAU
NORTH COAST
Trinity
Shasta
Lassen
Humboldt
Tehema
Plumas
SACRAMENTO VALLEY
Mendocino
Glenn
Butte
Sierra
Nevada
MOUNTAIN COUNTIES
Colusa
Yuba
Placer
LAKE TAHOE
LAKE COUNTY
Lake
Sutter
Yolo
El Dorado
Napa
Alpine
Sonoma
Sac
Amador
SAN FRANCISCO BAY AREA
Solano
Marin
Calaveras
Contra Costa
San Joaquin
Tuolumne
Mono
GREAT BASIN VALLEYS
San Francisco
Alameda
Stanislaus
Mariposa
San Mateo
Santa Clara
Merced
Santa Cruz
Madera
SAN JOAQUIN VALLEY
San Benito
Fresno
Inyo
NORTH CENTRAL COAST
Tulare
Monterey
Kings
San Luis Obispo
Kern
SOUTH CENTRAL COAST
Santa Barbara
SOUTHEAST DESERT
Ventura
Los Angeles
San Bernardino
Riverside
Orange
SOUTH COAST
San Diego
Imperial
SAN DIEGO COUNTY
Unclassified/Attainment
Air Basin
County
Last Updated: November 2023
Air Quality Planning and Science Division

Table 15
National Ambient Air Quality Standards Area Designations for Nitrogen Dioxide*

Area	N	U/A
GREAT BASIN VALLEYS AIR BASIN		U/A
LAKE COUNTY AIR BASIN		U/A
LAKE TAHOE AIR BASIN		U/A
MOUNTAIN COUNTIES AIR BASIN		U/A
NORTH CENTRAL COAST AIR BASIN		U/A
NORTH COAST AIR BASIN		U/A
NORTHEAST PLATEAU AIR BASIN		U/A

Area	N	U/A
SACRAMENTO VALLEY AIR BASIN		U/A
SAN DIEGO COUNTY		U/A
SAN FRANCISCO BAY AREA AIR BASIN		U/A
SAN JOAQUIN VALLEY AIR BASIN		U/A
SOUTH CENTRAL COAST AIR BASIN		U/A
SOUTH COAST AIR BASIN		U/A
SOUTHEAST DESERT AIR BASIN		U/A

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

Figure 16


Area Designations for National Ambient Air Quality Standards
SULFUR DIOXIDE
N
0 50 100 150 200 Miles
Del Norte
Siskiyou
Modoc
NORTHEAST PLATEAU
NORTH COAST
Shasta
Lassen
Trinity
Humboldt
Tehema
Plumas
SACRAMENTO VALLEY
Mendocino
Glenn
Butte
Sierra
MOUNTAIN COUNTIES
Nevada
Colusa
Yuba
Placer
LAKE TAHOE
LAKE COUNTY
Lake
Sutter
Yolo
El Dorado
Napa
Alpine
Sonoma
Sac
Amador
SAN FRANCISCO BAY AREA
Solano
Calaveras
Marin
Contra Costa
San Joaquin
Tuolumne
Mono
GREAT BASIN VALLEYS
San Francisco
Alameda
Stanislaus
Mariposa
San Mateo
Santa Clara
Merced
Madera
Santa Cruz
SAN JOAQUIN VALLEY
San Benito
Fresno
NORTH CENTRAL COAST
Tulare
Inyo
Monterey
Kings
San Luis Obispo
Kern
SOUTH CENTRAL COAST
Santa Barbara
SOUTHEAST DESERT
Ventura
Los Angeles
San Bernardino
Riverside
Orange
SOUTH COAST
San Diego
Imperial
SAN DIEGO COUNTY
Unclassified/Attainment
Air Basin
County
Last Updated: November 2023
Air Quality Planning and Science Division

Table 16
National Ambient Air Quality Standards Area Designations for Sulfur Dioxide*

Area	N	U/A
GREAT BASIN VALLEYS AIR BASIN		U/A
LAKE COUNTY AIR BASIN		U/A
LAKE TAHOE AIR BASIN		U/A
MOUNTAIN COUNTIES AIR BASIN		U/A
NORTH CENTRAL COAST AIR BASIN		U/A
NORTH COAST AIR BASIN		U/A
NORTHEAST PLATEAU AIR BASIN		U/A
SACRAMENTO VALLEY AIR BASIN		U/A
SAN DIEGO COUNTY		U/A
SAN FRANCISCO BAY AREA AIR BASIN		U/A
SAN JOAQUIN VALLEY AIR BASIN		U/A
SOUTH CENTRAL COAST AIR BASIN[1]		U/A
SOUTH COAST AIR BASIN		U/A
SOUTHEAST DESERT AIR BASIN		U/A

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.
NOTE: This map and table reflect the 2010 1-hour SO_2 standard of 75 ppb.

[1] South Central Coast Air Basin Channel Islands:
Santa Barbara County includes Santa Cruz, San Miguel, Santa Rosa, and Santa Barbara Islands.
Ventura County includes Anacapa and San Nicolas Islands.
Note that the San Clemente and Santa Catalina Islands are considered part of Los Angeles County, and therefore, are included as part of the South Coast Air Basin.

Figure 17


Area Designations for National Ambient Air Quality Standards
LEAD
N
0 50 100 150 200 Miles
Del Norte
Siskiyou
Modoc
NORTHEAST PLATEAU
NORTH COAST
Trinity
Shasta
Lassen
Humboldt
Tehama
SACRAMENTO VALLEY
Plumas
Mendocino
Glenn
Butte
Sierra
MOUNTAIN COUNTIES
Nevada
Colusa
Yuba
Placer
LAKE TAHOE
Lake
Sutter
LAKE COUNTY
Yolo
El Dorado
Napa
Alpine
Sonoma
Sac
Amador
SAN FRANCISCO BAY AREA
Solano
Calaveras
Marin
Contra Costa
San Joaquin
Tuolumne
Mono
GREAT BASIN VALLEYS
San Francisco
Alameda
Stanislaus
Mariposa
San Mateo
Santa Clara
Merced
Santa Cruz
Madera
SAN JOAQUIN VALLEY
San Benito
Fresno
NORTH CENTRAL COAST
Inyo
Tulare
Monterey
Kings
San Luis Obispo
Kern
SOUTH CENTRAL COAST
SOUTHEAST DESERT
Santa Barbara
Ventura
Los Angeles
San Bernardino
Riverside
Orange
SOUTH COAST
San Diego
Imperial
SAN DIEGO COUNTY
Unclassified/Attainment
Nonattainment
Air Basin
County
Last Updated: November 2023
Air Quality Planning and Science Division

Table 17
National Ambient Air Quality Standards Area Designations for Lead (particulate)

Area	N	U/A
GREAT BASIN VALLEYS AIR BASIN		U/A
LAKE COUNTY AIR BASIN		U/A
LAKE TAHOE AIR BASIN		U/A
MOUNTAIN COUNTIES AIR BASIN		U/A
NORTH CENTRAL COAST AIR BASIN		U/A
NORTH COAST AIR BASIN		U/A
NORTHEAST PLATEAU AIR BASIN		U/A
SACRAMENTO VALLEY AIR BASIN		U/A

Area	N	U/A
SAN DIEGO COUNTY		U/A
SAN FRANCISCO BAY AREA AIR BASIN		U/A
SAN JOAQUIN VALLEY AIR BASIN		U/A
SOUTH CENTRAL COAST AIR BASIN		U/A
SOUTH COAST AIR BASIN		
Los Angeles County (portion)[1]	N	
Remainder of Air Basin		U/A
SOUTHEAST DESERT AIR BASIN		U/A

[1] Portion of County in Air Basin, not including Channel Islands

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APPENDIX 3.1:

CALEEMOD PROJECT EMISSIONS MODEL OUTPUTS

15809 - Oak Glen Townhomes Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	15809 - Oak Glen Townhomes
Construction Start Date	2/3/2025
Operational Year	2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	1.80
Location	34.04961269002504, -117.03632251465918
County	San Bernardino-South Coast
City	Yucaipa
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5165
EDFZ	10
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.26

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Single Family Housing	145	Dwelling Unit	7.96	346,694	301,871	—	480	—

Fast Food Restaurant w/o Drive Thru	12.0	1000sqft	0.28	12,000	0.00	—	—	—
Parking Lot	323	Space	1.30	0.00	0.00	—	—	—
Other Asphalt Surfaces	7.92	Acre	7.92	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	70.9	70.4	19.8	31.8	0.05	0.77	1.22	1.99	0.71	0.29	1.00	—	5,929	5,929	0.26	0.14	5.15	5,983
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.91	4.13	37.6	33.5	0.06	1.93	5.90	7.83	1.78	2.74	4.52	—	7,035	7,035	0.29	0.12	0.11	7,065
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.01	6.92	10.3	13.1	0.02	0.43	0.88	1.31	0.40	0.27	0.67	—	2,813	2,813	0.13	0.07	1.06	2,839
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.28	1.26	1.88	2.40	< 0.005	0.08	0.16	0.24	0.07	0.05	0.12	—	466	466	0.02	0.01	0.18	470

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.79	1.49	12.1	18.9	0.03	0.47	0.88	1.35	0.44	0.21	0.65	—	3,900	3,900	0.18	0.12	4.29	3,944
2026	70.9	70.4	19.8	31.8	0.05	0.77	1.22	1.99	0.71	0.29	1.00	—	5,929	5,929	0.26	0.14	5.15	5,983
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	4.91	4.13	37.6	33.5	0.06	1.93	5.90	7.83	1.78	2.74	4.52	—	7,035	7,035	0.29	0.12	0.11	7,065
2026	1.68	1.39	11.4	17.4	0.03	0.42	0.88	1.29	0.38	0.21	0.59	—	3,810	3,810	0.15	0.12	0.10	3,849
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.45	1.21	10.3	13.1	0.02	0.43	0.88	1.31	0.40	0.27	0.67	—	2,813	2,813	0.13	0.07	1.06	2,839
2026	7.01	6.92	3.69	5.69	0.01	0.14	0.27	0.40	0.13	0.06	0.19	—	1,186	1,186	0.05	0.04	0.51	1,198
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.26	0.22	1.88	2.40	< 0.005	0.08	0.16	0.24	0.07	0.05	0.12	—	466	466	0.02	0.01	0.18	470
2026	1.28	1.26	0.67	1.04	< 0.005	0.02	0.05	0.07	0.02	0.01	0.03	—	196	196	0.01	0.01	0.08	198

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	42.9	40.6	23.0	179	0.38	0.58	30.3	30.9	0.56	7.69	8.25	169	43,208	43,377	19.6	2.04	131	44,606
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	39.8	37.4	24.2	152	0.36	0.57	30.3	30.9	0.56	7.69	8.25	169	40,966	41,134	19.8	2.10	12.1	42,268

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	32.0	30.3	17.3	124	0.27	0.33	23.2	23.5	0.32	5.89	6.21	169	30,342	30,511	19.1	1.62	49.3	31,520
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.84	5.53	3.16	22.6	0.05	0.06	4.24	4.30	0.06	1.08	1.13	27.9	5,024	5,051	3.16	0.27	8.16	5,218

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	33.3	31.2	19.0	168	0.36	0.26	30.3	30.5	0.24	7.69	7.93	—	36,652	36,652	2.36	1.96	122	37,419
Area	9.49	9.30	2.49	9.77	0.02	0.20	—	0.20	0.20	—	0.20	0.00	3,077	3,077	0.06	0.01	—	3,080
Energy	0.17	0.09	1.51	0.80	0.01	0.12	—	0.12	0.12	—	0.12	—	3,386	3,386	0.31	0.02	—	3,400
Water	—	—	—	—	—	—	—	—	—	—	—	18.6	92.4	111	1.91	0.05	—	173
Waste	—	—	—	—	—	—	—	—	—	—	—	150	0.00	150	15.0	0.00	—	525
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.95	8.95
Total	42.9	40.6	23.0	179	0.38	0.58	30.3	30.9	0.56	7.69	8.25	169	43,208	43,377	19.6	2.04	131	44,606
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	30.9	28.8	20.3	150	0.33	0.26	30.3	30.5	0.24	7.69	7.93	—	34,434	34,434	2.52	2.03	3.16	35,105
Area	8.63	8.49	2.41	1.02	0.02	0.19	—	0.19	0.19	—	0.19	0.00	3,053	3,053	0.06	0.01	—	3,056
Energy	0.17	0.09	1.51	0.80	0.01	0.12	—	0.12	0.12	—	0.12	—	3,386	3,386	0.31	0.02	—	3,400
Water	—	—	—	—	—	—	—	—	—	—	—	18.6	92.4	111	1.91	0.05	—	173
Waste	—	—	—	—	—	—	—	—	—	—	—	150	0.00	150	15.0	0.00	—	525
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.95	8.95
Total	39.8	37.4	24.2	152	0.36	0.57	30.3	30.9	0.56	7.69	8.25	169	40,966	41,134	19.8	2.10	12.1	42,268

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	22.9	21.3	15.6	117	0.26	0.20	23.2	23.4	0.18	5.89	6.08	—	26,638	26,638	1.89	1.55	40.3	27,188
Area	8.96	8.92	0.22	6.06	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	226	226	< 0.005	< 0.005	—	226
Energy	0.17	0.09	1.51	0.80	0.01	0.12	—	0.12	0.12	—	0.12	—	3,386	3,386	0.31	0.02	—	3,400
Water	—	—	—	—	—	—	—	—	—	—	—	18.6	92.4	111	1.91	0.05	—	173
Waste	—	—	—	—	—	—	—	—	—	—	—	150	0.00	150	15.0	0.00	—	525
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.95	8.95
Total	32.0	30.3	17.3	124	0.27	0.33	23.2	23.5	0.32	5.89	6.21	169	30,342	30,511	19.1	1.62	49.3	31,520
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.17	3.88	2.84	21.4	0.05	0.04	4.24	4.27	0.03	1.08	1.11	—	4,410	4,410	0.31	0.26	6.68	4,501
Area	1.63	1.63	0.04	1.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	37.4	37.4	< 0.005	< 0.005	—	37.4
Energy	0.03	0.02	0.28	0.15	< 0.005	0.02	—	0.02	0.02	—	0.02	—	561	561	0.05	< 0.005	—	563
Water	—	—	—	—	—	—	—	—	—	—	—	3.07	15.3	18.4	0.32	0.01	—	28.6
Waste	—	—	—	—	—	—	—	—	—	—	—	24.8	0.00	24.8	2.48	0.00	—	86.9
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.48	1.48
Total	5.84	5.53	3.16	22.6	0.05	0.06	4.24	4.30	0.06	1.08	1.13	27.9	5,024	5,051	3.16	0.27	8.16	5,218

3. Construction Emissions Details

3.1. Site Preparation (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	4.82	4.05	37.5	32.4	0.05	1.93	—	1.93	1.78	—	1.78	—	5,528	5,528	0.22	0.04	—	5,547
Dust From Material Movement	—	—	—	—	—	—	5.66	5.66	—	2.69	2.69	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.13	0.11	1.03	0.89	< 0.005	0.05	—	0.05	0.05	—	0.05	—	151	151	0.01	< 0.005	—	152
Dust From Material Movement	—	—	—	—	—	—	0.16	0.16	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.02	0.02	0.19	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	25.1	25.1	< 0.005	< 0.005	—	25.2
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.08	1.03	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	226	226	0.01	0.01	0.02	229
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	30.9	30.9	< 0.005	< 0.005	< 0.005	32.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.28	6.28	< 0.005	< 0.005	0.01	6.37
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.85	0.85	< 0.005	< 0.005	< 0.005	0.89
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.04	1.04	< 0.005	< 0.005	< 0.005	1.05
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.14	0.14	< 0.005	< 0.005	< 0.005	0.15
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.24	3.57	32.6	29.4	0.06	1.52	—	1.52	1.40	—	1.40	—	6,715	6,715	0.27	0.05	—	6,738

Dust From Material Movement	—	—	—	—	—	—	2.67	2.67	—	0.98	0.98	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.29	2.68	2.42	0.01	0.12	—	0.12	0.11	—	0.11	—	552	552	0.02	< 0.005	—	554
Dust From Material Movement	—	—	—	—	—	—	0.22	0.22	—	0.08	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.49	0.44	< 0.005	0.02	—	0.02	0.02	—	0.02	—	91.4	91.4	< 0.005	< 0.005	—	91.7
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.10	1.17	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	258	258	0.01	0.01	0.03	262

Vendor	0.01	< 0.005	0.07	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	61.7	61.7	< 0.005	0.01	< 0.005	64.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	21.5	21.5	< 0.005	< 0.005	0.04	21.8
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.07	5.07	< 0.005	< 0.005	0.01	5.32
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.57	3.57	< 0.005	< 0.005	0.01	3.62
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.84	0.84	< 0.005	< 0.005	< 0.005	0.88
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.45	1.21	11.3	14.1	0.03	0.47	—	0.47	0.43	—	0.43	—	2,630	2,630	0.11	0.02	—	2,639
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.45	1.21	11.3	14.1	0.03	0.47	—	0.47	0.43	—	0.43	—	2,630	2,630	0.11	0.02	—	2,639

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	0.66	6.11	7.64	0.01	0.25	—	0.25	0.23	—	0.23	—	1,421	1,421	0.06	0.01	—	1,426
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.12	1.39	< 0.005	0.05	—	0.05	0.04	—	0.04	—	235	235	0.01	< 0.005	—	236
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.29	0.26	0.25	4.46	0.00	0.00	0.75	0.75	0.00	0.18	0.18	—	807	807	0.03	0.03	2.99	819
Vendor	0.05	0.01	0.51	0.28	< 0.005	0.01	0.13	0.14	0.01	0.04	0.04	—	463	463	0.04	0.07	1.30	486
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.25	0.28	3.36	0.00	0.00	0.75	0.75	0.00	0.18	0.18	—	739	739	0.03	0.03	0.08	749
Vendor	0.05	0.01	0.54	0.28	< 0.005	0.01	0.13	0.14	0.01	0.04	0.04	—	463	463	0.04	0.07	0.03	485
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.16	1.92	0.00	0.00	0.40	0.40	0.00	0.09	0.09	—	405	405	0.02	0.02	0.70	411
Vendor	0.02	0.01	0.29	0.15	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	250	250	0.02	0.04	0.30	262

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.03	0.35	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	67.1	67.1	< 0.005	< 0.005	0.12	68.0
Vendor	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	41.4	41.4	< 0.005	0.01	0.05	43.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.38	1.16	10.7	14.1	0.03	0.41	—	0.41	0.38	—	0.38	—	2,630	2,630	0.11	0.02	—	2,639
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.38	1.16	10.7	14.1	0.03	0.41	—	0.41	0.38	—	0.38	—	2,630	2,630	0.11	0.02	—	2,639
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.38	0.32	2.97	3.91	0.01	0.11	—	0.11	0.10	—	0.10	—	731	731	0.03	0.01	—	733

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.54	0.71	< 0.005	0.02	—	0.02	0.02	—	0.02	—	121	121	< 0.005	< 0.005	—	121
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.25	0.23	4.12	0.00	0.00	0.75	0.75	0.00	0.18	0.18	—	790	790	0.03	0.03	2.70	802
Vendor	0.05	0.01	0.49	0.27	< 0.005	0.01	0.13	0.14	0.01	0.04	0.04	—	455	455	0.03	0.07	1.20	478
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.23	0.25	3.11	0.00	0.00	0.75	0.75	0.00	0.18	0.18	—	725	725	0.01	0.03	0.07	733
Vendor	0.04	0.01	0.51	0.27	< 0.005	0.01	0.13	0.14	0.01	0.04	0.04	—	455	455	0.03	0.07	0.03	477
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.08	0.91	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	204	204	< 0.005	0.01	0.32	207
Vendor	0.01	< 0.005	0.14	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	126	126	0.01	0.02	0.14	133
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.17	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	33.8	33.8	< 0.005	< 0.005	0.05	34.3
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	20.9	20.9	< 0.005	< 0.005	0.02	22.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	0.76	7.12	9.94	0.01	0.32	—	0.32	0.29	—	0.29	—	1,511	1,511	0.06	0.01	—	1,516
Paving	1.21	1.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.39	0.54	< 0.005	0.02	—	0.02	0.02	—	0.02	—	82.8	82.8	< 0.005	< 0.005	—	83.1
Paving	0.07	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	1.08	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	207	207	0.01	0.01	0.71	210
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.6	10.6	< 0.005	< 0.005	0.02	10.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.75	1.75	< 0.005	< 0.005	< 0.005	1.77
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Architectural Coating (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.16	1.14	1.51	< 0.005	0.03	—	0.03	0.03	—	0.03	—	178	178	0.01	< 0.005	—	179

Architectural	66.8	66.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.11	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17.1	17.1	< 0.005	< 0.005	—	17.1
Architectural Coatings	6.40	6.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.83	2.83	< 0.005	< 0.005	—	2.84
Architectural Coatings	1.17	1.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.82	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	158	158	0.01	0.01	0.54	160
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	14.1	14.1	< 0.005	< 0.005	0.02	14.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.33	2.33	< 0.005	< 0.005	< 0.005	2.36
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	4.53	4.15	3.39	31.8	0.08	0.05	6.58	6.63	0.05	1.67	1.72	—	7,799	7,799	0.39	0.37	26.5	7,944
Fast Food Restaurant w/o Drive Thru	28.7	27.1	15.6	136	0.28	0.20	23.7	23.9	0.19	6.02	6.21	—	28,854	28,854	1.98	1.60	95.3	29,475

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	33.3	31.2	19.0	168	0.36	0.26	30.3	30.5	0.24	7.69	7.93	—	36,652	36,652	2.36	1.96	122	37,419
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	4.23	3.85	3.63	27.0	0.07	0.05	6.58	6.63	0.05	1.67	1.72	—	7,315	7,315	0.40	0.38	0.69	7,438
Fast Food Restaurant w/o Drive Thru	26.7	25.0	16.7	123	0.26	0.20	23.7	23.9	0.19	6.02	6.21	—	27,119	27,119	2.11	1.65	2.47	27,667
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	30.9	28.8	20.3	150	0.33	0.26	30.3	30.5	0.24	7.69	7.93	—	34,434	34,434	2.52	2.03	3.16	35,105
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.75	0.68	0.66	5.01	0.01	0.01	1.18	1.19	0.01	0.30	0.31	—	1,201	1,201	0.07	0.06	1.86	1,223
Fast Food Restaurant w/o Drive Thru	3.42	3.20	2.18	16.3	0.03	0.03	3.06	3.09	0.02	0.78	0.80	—	3,210	3,210	0.25	0.19	4.82	3,279
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Total	4.17	3.88	2.84	21.4	0.05	0.04	4.24	4.27	0.03	1.08	1.11	—	4,410	4,410	0.31	0.26	6.68	4,501

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	1,047	1,047	0.10	0.01	—	1,053
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	399	399	0.04	< 0.005	—	401
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	47.1	47.1	< 0.005	< 0.005	—	47.3
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,493	1,493	0.14	0.02	—	1,501
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	1,047	1,047	0.10	0.01	—	1,053
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	399	399	0.04	< 0.005	—	401

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	47.1	47.1	< 0.005	< 0.005	—	47.3
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,493	1,493	0.14	0.02	—	1,501
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	173	173	0.02	< 0.005	—	174
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	66.1	66.1	0.01	< 0.005	—	66.5
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	7.79	7.79	< 0.005	< 0.005	—	7.84
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	247	247	0.02	< 0.005	—	249

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.13	0.07	1.15	0.49	0.01	0.09	—	0.09	0.09	—	0.09	—	1,454	1,454	0.13	< 0.005	—	1,458

Fast Food Restaurant w/o Drive Thru	0.04	0.02	0.37	0.31	< 0.005	0.03	—	0.03	0.03	—	0.03	—	439	439	0.04	< 0.005	—	441
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.17	0.09	1.51	0.80	0.01	0.12	—	0.12	0.12	—	0.12	—	1,894	1,894	0.17	< 0.005	—	1,899
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.13	0.07	1.15	0.49	0.01	0.09	—	0.09	0.09	—	0.09	—	1,454	1,454	0.13	< 0.005	—	1,458
Fast Food Restaurant w/o Drive Thru	0.04	0.02	0.37	0.31	< 0.005	0.03	—	0.03	0.03	—	0.03	—	439	439	0.04	< 0.005	—	441
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.17	0.09	1.51	0.80	0.01	0.12	—	0.12	0.12	—	0.12	—	1,894	1,894	0.17	< 0.005	—	1,899
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.02	0.01	0.21	0.09	< 0.005	0.02	—	0.02	0.02	—	0.02	—	241	241	0.02	< 0.005	—	241
Fast Food Restaurant w/o Drive Thru	0.01	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	72.8	72.8	0.01	< 0.005	—	73.0

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.03	0.02	0.28	0.15	< 0.005	0.02	—	0.02	0.02	—	0.02	—	313	313	0.03	< 0.005	—	314

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.28	0.14	2.41	1.02	0.02	0.19	—	0.19	0.19	—	0.19	0.00	3,053	3,053	0.06	0.01	—	3,056
Consumer Products	7.71	7.71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.64	0.64	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.86	0.81	0.08	8.74	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	24.1	24.1	< 0.005	< 0.005	—	24.2
Total	9.49	9.30	2.49	9.77	0.02	0.20	—	0.20	0.20	—	0.20	0.00	3,077	3,077	0.06	0.01	—	3,080
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.28	0.14	2.41	1.02	0.02	0.19	—	0.19	0.19	—	0.19	0.00	3,053	3,053	0.06	0.01	—	3,056

Consumer Product	7.71	7.71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.64	0.64	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	8.63	8.49	2.41	1.02	0.02	0.19	—	0.19	0.19	—	0.19	0.00	3,053	3,053	0.06	0.01	—	3,056
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	34.6	34.6	< 0.005	< 0.005	—	34.7
Consumer Products	1.41	1.41	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.12	0.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.11	0.10	0.01	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.74	2.74	< 0.005	< 0.005	—	2.75
Total	1.63	1.63	0.04	1.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	37.4	37.4	< 0.005	< 0.005	—	37.4

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	11.6	68.8	80.4	1.19	0.03	—	119
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	6.98	23.5	30.5	0.72	0.02	—	53.6
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	18.6	92.4	111	1.91	0.05	—	173
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	11.6	68.8	80.4	1.19	0.03	—	119
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	6.98	23.5	30.5	0.72	0.02	—	53.6
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	18.6	92.4	111	1.91	0.05	—	173
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	1.92	11.4	13.3	0.20	< 0.005	—	19.7

Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	1.16	3.89	5.05	0.12	< 0.005	—	8.87
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	3.07	15.3	18.4	0.32	0.01	—	28.6

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	75.5	0.00	75.5	7.55	0.00	—	264
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	74.5	0.00	74.5	7.45	0.00	—	261
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	150	0.00	150	15.0	0.00	—	525

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	75.5	0.00	75.5	7.55	0.00	—	264
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	74.5	0.00	74.5	7.45	0.00	—	261
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	150	0.00	150	15.0	0.00	—	525
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	12.5	0.00	12.5	1.25	0.00	—	43.8
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	12.3	0.00	12.3	1.23	0.00	—	43.2
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	24.8	0.00	24.8	2.48	0.00	—	86.9

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.22	2.22
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.73	6.73
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.95	8.95
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.22	2.22
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.73	6.73
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.95	8.95
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.37	0.37
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.11	1.11
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.48	1.48

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	2/3/2025	2/14/2025	5.00	10.0	10
Grading	Grading	2/17/2025	3/28/2025	5.00	30.0	30
Building Construction	Building Construction	3/31/2025	5/22/2026	5.00	300	300
Paving	Paving	4/27/2026	5/22/2026	5.00	20.0	20
Architectural Coating	Architectural Coating	4/6/2026	5/22/2026	5.00	35.0	20

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Crawler Tractors	Diesel	Average	2.00	8.00	87.0	0.43
Building Construction	Cranes	Diesel	Average	1.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38

Architectural Coating	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	1.00	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	2.00	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	57.2	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	15.0	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	11.4	18.5	LDA,LDT1,LDT2

Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	702,055	234,018	18,000	6,000	24,097

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	35.0	0.00	—
Grading	—	—	120	0.00	—
Paving	0.00	0.00	0.00	0.00	10.8

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt

Single Family Housing	1.60	0%
Fast Food Restaurant w/o Drive Thru	0.00	0%
Parking Lot	1.30	100%
Other Asphalt Surfaces	7.92	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	349	0.03	< 0.005
2026	0.00	346	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Single Family Housing	1,115	1,121	1,003	401,474	9,228	9,276	8,304	3,322,493
Fast Food Restaurant w/o Drive Thru	5,154	7,963	5,720	2,057,161	21,635	33,426	24,013	8,635,656
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)

Single Family Housing	—
Wood Fireplaces	0
Gas Fireplaces	145
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
702055.35	234,018	18,000	6,000	24,097

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Single Family Housing	1,103,395	346	0.0330	0.0040	4,537,009
Fast Food Restaurant w/o Drive Thru	420,800	346	0.0330	0.0040	1,371,250
Parking Lot	49,606	346	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	346	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Single Family Housing	6,043,770	5,925,069
Fast Food Restaurant w/o Drive Thru	3,642,405	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Single Family Housing	140	—
Fast Food Restaurant w/o Drive Thru	138	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	User Defined	750	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

Fast Food Restaurant w/o Drive Thru	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Fast Food Restaurant w/o Drive Thru	Other commercial A/C and heat pumps	User Defined	750	1.80	4.00	4.00	18.0
Fast Food Restaurant w/o Drive Thru	Walk-in refrigerators and freezers	User Defined	150	< 0.005	7.50	7.50	20.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	29.6	annual days of extreme heat
Extreme Precipitation	5.60	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	26.5	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	4	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	4	1	1	4
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	100
AQ-PM	50.2
AQ-DPM	42.1
Drinking Water	60.8
Lead Risk Housing	12.3
Pesticides	56.7
Toxic Releases	40.5
Traffic	65.0
Effect Indicators	—
CleanUp Sites	5.64
Groundwater	23.4
Haz Waste Facilities/Generators	67.6
Impaired Water Bodies	0.00
Solid Waste	53.4
Sensitive Population	—
Asthma	34.7

Cardio-vascular	64.5
Low Birth Weights	32.8
Socioeconomic Factor Indicators	—
Education	24.1
Housing	5.22
Linguistic	9.46
Poverty	28.2
Unemployment	2.73

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	81.1625818
Employed	61.79905043
Median HI	67.11151033
Education	—
Bachelor's or higher	53.18875914
High school enrollment	27.56319774
Preschool enrollment	39.20184781
Transportation	—
Auto Access	78.96830489
Active commuting	15.48825869
Social	—
2-parent households	89.67021686
Voting	77.31297318
Neighborhood	—
Alcohol availability	78.15988708

Park access	44.78378032
Retail density	21.90427307
Supermarket access	40.03592968
Tree canopy	11.90812267
Housing	—
Homeownership	94.17425895
Housing habitability	91.86449378
Low-inc homeowner severe housing cost burden	68.86949827
Low-inc renter severe housing cost burden	84.9095342
Uncrowded housing	50.73784165
Health Outcomes	—
Insured adults	48.58206082
Arthritis	2.0
Asthma ER Admissions	59.0
High Blood Pressure	4.9
Cancer (excluding skin)	2.7
Asthma	49.0
Coronary Heart Disease	3.1
Chronic Obstructive Pulmonary Disease	11.3
Diagnosed Diabetes	38.1
Life Expectancy at Birth	33.0
Cognitively Disabled	68.5
Physically Disabled	54.0
Heart Attack ER Admissions	26.9
Mental Health Not Good	64.8
Chronic Kidney Disease	20.1
Obesity	59.2
Pedestrian Injuries	57.9

Physical Health Not Good	45.1
Stroke	17.3
Health Risk Behaviors	—
Binge Drinking	68.3
Current Smoker	57.8
No Leisure Time for Physical Activity	68.2
Climate Change Exposures	—
Wildfire Risk	10.9
SLR Inundation Area	0.0
Children	71.1
Elderly	33.9
English Speaking	98.1
Foreign-born	9.8
Outdoor Workers	50.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	79.1
Traffic Density	55.9
Traffic Access	23.0
Other Indices	—
Hardship	45.5
Other Decision Support	—
2016 Voting	80.3

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	30.0
Healthy Places Index Score for Project Location (b)	67.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No

Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Based on site plan. Total Project site is 17.46 acres.
Construction: Construction Phases	Building Construction, Paving, and Architectural Coating overlap to present a conservative analysis
Construction: Off-Road Equipment	T/L/B replaced with Crawler Tractor to accurately calculate disturbance for Site Preparation and Grading phases. Standard 8 hours work days.
Construction: Trips and VMT	Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Site Preparation, Grading, and Building Construction
Construction: Architectural Coatings	SCAQMD Rule 1113
Operations: Vehicle Data	Trip characteristics taken from Trip Gen. Internal capture and Pass-by trip reduction included.
Operations: Hearths	SCAQMD Rule 445 no wood burning devices. Wood burning devices added to gas devices.
Operations: Architectural Coatings	SCAQMD Rule 1113
Operations: Refrigerants	As of 1 January 2022, new commercial refrigeration equipment may not use refrigerants with a GWP of 150 or greater. Further, R-404A (the CalEEMod default) is unacceptable for new supermarket and cold storage systems as of 1 January 2019 and 2023, respectively. Beginning 1 January 2025, all new air conditioning equipment may not use refrigerants with a GWP of 750 or greater.

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APPENDIX 3.2:

AERMOD LOCALIZED EMISSIONS MODEL OUTPUTS

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**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 8/28/2024
** File: C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Const CO\15809 Const CO.ADI
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**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
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CO STARTING
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   MODELOPT DFAULT CONC
   AVERTIME 1 8
   URBANOPT 2035210 San_Bernardino_County
   POLLUTID CO
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "15809 Const CO.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
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SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
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   LOCATION VOL4         VOLUME     496518.428  3767547.276      832.290
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** Source Parameters **
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     SRCPARAM VOL14        0.0037556438     5.000     5.309     1.400
     SRCPARAM VOL15        0.0037556438     5.000     5.309     1.400
     SRCPARAM VOL16        0.0037556438     5.000     5.309     1.400
     SRCPARAM VOL17        0.0037556438     5.000     5.309     1.400
     SRCPARAM VOL18        0.0037556438     5.000     5.309     1.400
     SRCPARAM VOL19        0.0037556438     5.000     5.309     1.400
     SRCPARAM VOL20        0.0037556438     5.000     5.309     1.400
     SRCPARAM VOL21        0.0037556438     5.000     5.309     1.400
     SRCPARAM VOL22        0.0037556438     5.000     5.309     1.400
     SRCPARAM VOL23        0.0037556438     5.000     5.309     1.400
     SRCPARAM VOL24        0.0037556438     5.000     5.309     1.400
     SRCPARAM VOL25        0.0037556438     5.000     5.309     1.400
     SRCPARAM VOL26        0.0037556438     5.000     5.309     1.400
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199      SRCPARAM VOL27        0.0037556438     5.000     5.309     1.400
200      SRCPARAM VOL28        0.0037556438     5.000     5.309     1.400
201      SRCPARAM VOL29        0.0037556438     5.000     5.309     1.400
202      SRCPARAM VOL30        0.0037556438     5.000     5.309     1.400
203      SRCPARAM VOL31        0.0037556438     5.000     5.309     1.400
204      SRCPARAM VOL32        0.0037556438     5.000     5.309     1.400
205      SRCPARAM VOL33        0.0037556438     5.000     5.309     1.400
206      SRCPARAM VOL34        0.0037556438     5.000     5.309     1.400
207      SRCPARAM VOL35        0.0037556438     5.000     5.309     1.400
208      SRCPARAM VOL36        0.0037556438     5.000     5.309     1.400
209      SRCPARAM VOL37        0.0037556438     5.000     5.309     1.400
210      SRCPARAM VOL38        0.0037556438     5.000     5.309     1.400
211      SRCPARAM VOL39        0.0037556438     5.000     5.309     1.400
212      SRCPARAM VOL40        0.0037556438     5.000     5.309     1.400
213      SRCPARAM VOL41        0.0037556438     5.000     5.309     1.400
214      SRCPARAM VOL42        0.0037556438     5.000     5.309     1.400
215      SRCPARAM VOL43        0.0037556438     5.000     5.309     1.400
216      SRCPARAM VOL44        0.0037556438     5.000     5.309     1.400
217      SRCPARAM VOL45        0.0037556438     5.000     5.309     1.400
218      SRCPARAM VOL46        0.0037556438     5.000     5.309     1.400
219      SRCPARAM VOL47        0.0037556438     5.000     5.309     1.400
220      SRCPARAM VOL48        0.0037556438     5.000     5.309     1.400
221      SRCPARAM VOL49        0.0037556438     5.000     5.309     1.400
222      SRCPARAM VOL50        0.0037556438     5.000     5.309     1.400
223      SRCPARAM VOL51        0.0037556438     5.000     5.309     1.400
224      SRCPARAM VOL52        0.0037556438     5.000     5.309     1.400
225      SRCPARAM VOL53        0.0037556438     5.000     5.309     1.400
226      SRCPARAM VOL54        0.0037556438     5.000     5.309     1.400
227      SRCPARAM VOL55        0.0037556438     5.000     5.309     1.400
228      SRCPARAM VOL56        0.0037556438     5.000     5.309     1.400
229      SRCPARAM VOL57        0.0037556438     5.000     5.309     1.400
230      SRCPARAM VOL58        0.0037556438     5.000     5.309     1.400
231      SRCPARAM VOL59        0.0037556438     5.000     5.309     1.400
232      SRCPARAM VOL60        0.0037556438     5.000     5.309     1.400
233      SRCPARAM VOL62        0.0037556438     5.000     5.309     1.400
234      SRCPARAM VOL63        0.0037556438     5.000     5.309     1.400
235      SRCPARAM VOL64        0.0037556438     5.000     5.309     1.400
236      SRCPARAM VOL65        0.0037556438     5.000     5.309     1.400
237      SRCPARAM VOL66        0.0037556438     5.000     5.309     1.400
238      SRCPARAM VOL67        0.0037556438     5.000     5.309     1.400
239      SRCPARAM VOL68        0.0037556438     5.000     5.309     1.400
240      SRCPARAM VOL69        0.0037556438     5.000     5.309     1.400
241      SRCPARAM VOL70        0.0037556438     5.000     5.309     1.400
242      SRCPARAM VOL71        0.0037556438     5.000     5.309     1.400
243      SRCPARAM VOL72        0.0037556438     5.000     5.309     1.400
244      SRCPARAM VOL73        0.0037556438     5.000     5.309     1.400
245      SRCPARAM VOL74        0.0037556438     5.000     5.309     1.400
246      SRCPARAM VOL77        0.0037556438     5.000     5.309     1.400
247      SRCPARAM VOL78        0.0037556438     5.000     5.309     1.400
248      SRCPARAM VOL79        0.0037556438     5.000     5.309     1.400
249      SRCPARAM VOL80        0.0037556438     5.000     5.309     1.400
250      SRCPARAM VOL81        0.0037556438     5.000     5.309     1.400
251      SRCPARAM VOL82        0.0037556438     5.000     5.309     1.400
252      SRCPARAM VOL83        0.0037556438     5.000     5.309     1.400
253      SRCPARAM VOL84        0.0037556438     5.000     5.309     1.400
254      SRCPARAM VOL85        0.0037556438     5.000     5.309     1.400
255      SRCPARAM VOL86        0.0037556438     5.000     5.309     1.400
256      SRCPARAM VOL87        0.0037556438     5.000     5.309     1.400
257      SRCPARAM VOL88        0.0037556438     5.000     5.309     1.400
258      SRCPARAM VOL89        0.0037556438     5.000     5.309     1.400
259      SRCPARAM VOL92        0.0037556438     5.000     5.309     1.400
260      SRCPARAM VOL93        0.0037556438     5.000     5.309     1.400
261      SRCPARAM VOL94        0.0037556438     5.000     5.309     1.400
262      SRCPARAM VOL95        0.0037556438     5.000     5.309     1.400
263      SRCPARAM VOL96        0.0037556438     5.000     5.309     1.400
264      SRCPARAM VOL97        0.0037556438     5.000     5.309     1.400
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   SRCPARAM VOL98        0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL99        0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL100       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL101       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL102       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL103       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL107       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL108       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL109       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL110       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL111       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL112       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL113       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL114       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL115       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL116       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL117       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL122       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL123       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL124       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL125       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL126       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL127       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL128       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL129       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL130       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL137       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL138       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL139       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL140       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL141       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL142       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL144       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL152       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL153       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL154       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL155       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL156       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL157       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL158       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL159       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL160       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL161       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL164       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL165       0.0037556438     5.000     5.309     1.400
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL1         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL2         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL2         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL3         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL4         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL5         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL6         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL7         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL8         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL9         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL10        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL11        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL13        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL14        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL15        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL16        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Saturday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL17        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL18        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL19        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL20        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL21        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL22        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL23        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL24        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL25        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL25        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL26        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL27        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL28        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL29        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL30        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL31        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL32        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL33        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL34        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL35        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL36        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL37        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL38        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Saturday:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL39        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL40        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL41        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL42        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL43        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL44        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL45        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL46        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL47        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL47        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL48        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL49        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL50        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL51        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL52        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL53        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL54        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL55        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL56        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL57        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL58        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL59        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL60        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Saturday:
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL62        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL63        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL64        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL65        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL66        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL67        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL68        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL69        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL70        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL70        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL71        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL72        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL73        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL74        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL77        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL78        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL79        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL80        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL81        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL82        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL83        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL84        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL85        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Saturday:
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL86        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL87        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL88        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL89        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL92        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL93        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL94        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL95        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL96        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL96        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL97        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL98        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL99        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL100       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL101       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL102       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL103       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL107       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL108       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL109       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL110       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL111       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL112       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Saturday:
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL113       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL114       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL115       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL116       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL117       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL122       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL123       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL124       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL125       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL125       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL126       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL127       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL128       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL129       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL130       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL137       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL138       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL139       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL140       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL141       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL142       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL144       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL152       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL152       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Saturday:
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL153       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL153       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL154       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL154       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL155       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL156       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL157       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL158       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL159       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL160       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT VOL161       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL161       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL164       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL165       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
**********************************
** AERMOD Receptor Pathway
**********************************
**
**
RE STARTING
   INCLUDED "15809 Const CO.rou"
RE FINISHED
**
**********************************
** AERMOD Meteorology Pathway
**********************************
**
**
ME STARTING
   SURFFILE ..\RDLD_V9_ADJU\RDLD_v9.SFC
   PROFFILE ..\RDLD_V9_ADJU\RDLD_v9.PFL
   SURFDATA 3171 2012
   UAIRDATA 3190 2012
   SITEDATA 99999 2012
```

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   PROFBASE 481.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 8 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "15809 CONST CO.AD\01H1GALL.PLT" 31
   PLOTFILE 8 ALL 1ST "15809 CONST CO.AD\08H1GALL.PLT" 32
   SUMMFILE "15809 Const CO.sum"
OU FINISHED
**
**************************************
** Project Parameters
**************************************
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    North American Datum 1983
** DTMRGN   CONUS
** UNITS    m
** ZONE     11
** ZONEINX  0
**
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**
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** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 8/28/2024
** File: C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Const CO\15809 Const CO.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Ops CO\15809 Ops CO.
   MODELOPT DFAULT CONC
   AVERTIME 1 8
   URBANOPT 2035210 San_Bernardino_County
   POLLUTID CO
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "15809 Const CO.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     496472.620  3767547.290      830.120
   LOCATION VOL2         VOLUME     496495.514  3767547.297      831.070
   LOCATION VOL3         VOLUME     496541.322  3767547.282      833.810
   LOCATION VOL4         VOLUME     496518.428  3767547.276      832.290
   LOCATION VOL5         VOLUME     496564.249  3767547.271      835.340
   LOCATION VOL6         VOLUME     496587.143  3767547.277      837.220
   LOCATION VOL7         VOLUME     496610.057  3767547.256      838.820
   LOCATION VOL8         VOLUME     496632.951  3767547.263      839.830
   LOCATION VOL9         VOLUME     496747.555  3767547.242      842.940
   LOCATION VOL10        VOLUME     496770.449  3767547.249      844.590
   LOCATION VOL11        VOLUME     496793.363  3767547.228      846.080
   LOCATION VOL13        VOLUME     496724.628  3767547.254      842.460
   LOCATION VOL14        VOLUME     496701.734  3767547.247      841.360
   LOCATION VOL15        VOLUME     496678.820  3767547.268      840.740
   LOCATION VOL16        VOLUME     496655.926  3767547.261      840.600
   LOCATION VOL17        VOLUME     496793.345  3767570.508      846.500
   LOCATION VOL18        VOLUME     496770.431  3767570.529      845.110
   LOCATION VOL19        VOLUME     496747.537  3767570.523      843.280
   LOCATION VOL20        VOLUME     496724.610  3767570.534      843.170
   LOCATION VOL21        VOLUME     496701.716  3767570.528      842.530
   LOCATION VOL22        VOLUME     496678.802  3767570.549      842.090
   LOCATION VOL23        VOLUME     496632.933  3767570.544      841.220
   LOCATION VOL24        VOLUME     496655.908  3767570.542      841.880
   LOCATION VOL25        VOLUME     496610.039  3767570.537      839.800
   LOCATION VOL26        VOLUME     496587.125  3767570.558      838.340
   LOCATION VOL27        VOLUME     496564.231  3767570.551      836.860
   LOCATION VOL28        VOLUME     496541.304  3767570.563      835.220
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     LOCATION VOL37        VOLUME     496678.657  3767593.666      842.560
     LOCATION VOL38        VOLUME     496632.788  3767593.661      841.920
     LOCATION VOL39        VOLUME     496655.763  3767593.659      841.990
     LOCATION VOL40        VOLUME     496609.894  3767593.654      840.560
     LOCATION VOL41        VOLUME     496586.980  3767593.676      839.440
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     LOCATION VOL43        VOLUME     496541.159  3767593.680      836.000
     LOCATION VOL44        VOLUME     496518.265  3767593.674      834.450
     LOCATION VOL45        VOLUME     496495.351  3767593.695      832.920
     LOCATION VOL46        VOLUME     496472.457  3767593.688      831.420
     LOCATION VOL47        VOLUME     496793.307  3767616.825      847.260
     LOCATION VOL48        VOLUME     496770.394  3767616.846      846.360
     LOCATION VOL49        VOLUME     496747.500  3767616.839      845.600
     LOCATION VOL50        VOLUME     496724.573  3767616.851      844.830
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     LOCATION VOL52        VOLUME     496678.765  3767616.865      843.310
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     LOCATION VOL57        VOLUME     496564.194  3767616.868      838.670
     LOCATION VOL58        VOLUME     496541.267  3767616.879      837.440
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     LOCATION VOL63        VOLUME     496770.286  3767640.045      846.980
     LOCATION VOL64        VOLUME     496747.392  3767640.038      845.900
     LOCATION VOL65        VOLUME     496724.465  3767640.049      845.140
     LOCATION VOL66        VOLUME     496701.571  3767640.043      844.380
     LOCATION VOL67        VOLUME     496678.657  3767640.064      843.610
     LOCATION VOL68        VOLUME     496632.788  3767640.059      842.080
     LOCATION VOL69        VOLUME     496655.763  3767640.057      842.850
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     LOCATION VOL78        VOLUME     496770.178  3767663.351      847.410
     LOCATION VOL79        VOLUME     496747.284  3767663.344      846.140
     LOCATION VOL80        VOLUME     496724.357  3767663.356      845.380
     LOCATION VOL81        VOLUME     496701.463  3767663.349      844.460
     LOCATION VOL82        VOLUME     496678.549  3767663.371      843.610
     LOCATION VOL83        VOLUME     496632.680  3767663.365      842.080
     LOCATION VOL84        VOLUME     496655.655  3767663.364      842.850
     LOCATION VOL85        VOLUME     496609.786  3767663.359      842.000
     LOCATION VOL86        VOLUME     496586.872  3767663.380      841.110
     LOCATION VOL87        VOLUME     496563.978  3767663.373      839.580
     LOCATION VOL88        VOLUME     496541.051  3767663.385      838.050
     LOCATION VOL89        VOLUME     496518.157  3767663.378      836.700
     LOCATION VOL92        VOLUME     496793.092  3767686.421      848.430
     LOCATION VOL93        VOLUME     496770.178  3767686.442      847.660
     LOCATION VOL94        VOLUME     496747.284  3767686.435      846.900
     LOCATION VOL95        VOLUME     496724.357  3767686.447      846.140
     LOCATION VOL96        VOLUME     496701.463  3767686.440      844.750
     LOCATION VOL97        VOLUME     496678.549  3767686.461      843.610
     LOCATION VOL98        VOLUME     496632.680  3767686.456      842.080
     LOCATION VOL99        VOLUME     496655.655  3767686.455      842.850
     LOCATION VOL100       VOLUME     496609.786  3767686.450      841.990
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     LOCATION VOL102       VOLUME     496563.978  3767686.464      839.580
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     LOCATION VOL109       VOLUME     496747.284  3767709.526      846.900
     LOCATION VOL110       VOLUME     496724.357  3767709.538      846.140
     LOCATION VOL111       VOLUME     496701.463  3767709.531      844.750
     LOCATION VOL112       VOLUME     496678.549  3767709.552      843.610
     LOCATION VOL113       VOLUME     496632.680  3767709.547      842.080
     LOCATION VOL114       VOLUME     496655.655  3767709.546      842.850
     LOCATION VOL115       VOLUME     496609.786  3767709.540      841.470
     LOCATION VOL116       VOLUME     496586.872  3767709.562      840.670
     LOCATION VOL117       VOLUME     496563.978  3767709.555      839.740
     LOCATION VOL122       VOLUME     496792.876  3767732.711      848.650
     LOCATION VOL123       VOLUME     496769.962  3767732.732      847.660
     LOCATION VOL124       VOLUME     496747.068  3767732.725      846.890
     LOCATION VOL125       VOLUME     496724.141  3767732.737      846.130
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     LOCATION VOL128       VOLUME     496632.464  3767732.746      841.520
     LOCATION VOL129       VOLUME     496655.439  3767732.744      842.290
     LOCATION VOL130       VOLUME     496609.570  3767732.739      840.760
     LOCATION VOL137       VOLUME     496792.768  3767755.909      849.020
     LOCATION VOL138       VOLUME     496769.854  3767755.931      847.980
     LOCATION VOL139       VOLUME     496746.960  3767755.924      847.180
     LOCATION VOL140       VOLUME     496724.033  3767755.935      846.170
     LOCATION VOL141       VOLUME     496701.139  3767755.929      844.520
     LOCATION VOL142       VOLUME     496678.225  3767755.950      843.000
     LOCATION VOL144       VOLUME     496655.331  3767755.943      841.840
     LOCATION VOL152       VOLUME     496792.598  3767779.016      849.410
     LOCATION VOL153       VOLUME     496769.685  3767779.038      848.650
     LOCATION VOL154       VOLUME     496746.790  3767779.031      847.780
     LOCATION VOL155       VOLUME     496723.863  3767779.042      846.320
     LOCATION VOL156       VOLUME     496700.969  3767779.036      844.230
     LOCATION VOL157       VOLUME     496678.056  3767779.057      842.790
     LOCATION VOL158       VOLUME     496792.382  3767802.215      849.400
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     LOCATION VOL160       VOLUME     496746.575  3767802.230      847.860
     LOCATION VOL161       VOLUME     496723.648  3767802.241      847.000
     LOCATION VOL164       VOLUME     496792.382  3767825.198      850.040
     LOCATION VOL165       VOLUME     496769.469  3767825.219      849.280
** Source Parameters **
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     SRCPARAM VOL4         0.0037556438     5.000     5.309     1.400
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     SRCPARAM VOL7         0.0037556438     5.000     5.309     1.400
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     SRCPARAM VOL9         0.0037556438     5.000     5.309     1.400
     SRCPARAM VOL10        0.0037556438     5.000     5.309     1.400
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     SRCPARAM VOL18        0.0037556438     5.000     5.309     1.400
     SRCPARAM VOL19        0.0037556438     5.000     5.309     1.400
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243      SRCPARAM VOL72        0.0037556438     5.000     5.309     1.400
244      SRCPARAM VOL73        0.0037556438     5.000     5.309     1.400
245      SRCPARAM VOL74        0.0037556438     5.000     5.309     1.400
246      SRCPARAM VOL77        0.0037556438     5.000     5.309     1.400
247      SRCPARAM VOL78        0.0037556438     5.000     5.309     1.400
248      SRCPARAM VOL79        0.0037556438     5.000     5.309     1.400
249      SRCPARAM VOL80        0.0037556438     5.000     5.309     1.400
250      SRCPARAM VOL81        0.0037556438     5.000     5.309     1.400
251      SRCPARAM VOL82        0.0037556438     5.000     5.309     1.400
252      SRCPARAM VOL83        0.0037556438     5.000     5.309     1.400
253      SRCPARAM VOL84        0.0037556438     5.000     5.309     1.400
254      SRCPARAM VOL85        0.0037556438     5.000     5.309     1.400
255      SRCPARAM VOL86        0.0037556438     5.000     5.309     1.400
256      SRCPARAM VOL87        0.0037556438     5.000     5.309     1.400
257      SRCPARAM VOL88        0.0037556438     5.000     5.309     1.400
258      SRCPARAM VOL89        0.0037556438     5.000     5.309     1.400
259      SRCPARAM VOL92        0.0037556438     5.000     5.309     1.400
260      SRCPARAM VOL93        0.0037556438     5.000     5.309     1.400
261      SRCPARAM VOL94        0.0037556438     5.000     5.309     1.400
262      SRCPARAM VOL95        0.0037556438     5.000     5.309     1.400
263      SRCPARAM VOL96        0.0037556438     5.000     5.309     1.400
264      SRCPARAM VOL97        0.0037556438     5.000     5.309     1.400
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   SRCPARAM VOL98        0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL99        0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL100       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL101       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL102       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL103       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL107       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL108       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL109       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL110       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL111       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL112       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL113       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL114       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL115       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL116       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL117       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL122       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL123       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL124       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL125       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL126       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL127       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL128       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL129       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL130       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL137       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL138       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL139       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL140       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL141       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL142       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL144       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL152       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL153       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL154       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL155       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL156       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL157       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL158       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL159       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL160       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL161       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL164       0.0037556438     5.000     5.309     1.400
   SRCPARAM VOL165       0.0037556438     5.000     5.309     1.400
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL1         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL2         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL2         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL3         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL4         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL5         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL6         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL7         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL8         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL9         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL10        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL11        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL13        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL14        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL15        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL16        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Saturday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL17        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL18        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL19        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL20        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL21        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL22        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL23        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL24        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL25        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL25        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL26        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL27        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL28        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL29        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL30        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL31        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL32        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL33        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL34        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL35        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL36        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL37        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL38        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Saturday:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL39        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL40        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL41        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL42        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL43        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL44        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL45        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL46        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL47        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL47        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL48        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL49        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL50        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL51        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL52        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL53        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL54        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL55        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL56        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL57        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL58        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL59        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL60        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Saturday:
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL62        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL63        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL64        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL65        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL66        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL67        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL68        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL69        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL70        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL70        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL71        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL72        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL73        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL74        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL77        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL78        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL79        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL80        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL81        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL82        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL83        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL84        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL85        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Saturday:
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL86        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL87        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL88        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL89        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL92        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL93        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL94        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL95        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL96        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL96        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL97        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL98        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL99        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL100       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL101       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL102       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL103       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL107       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL108       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL109       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL110       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL111       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL112       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Saturday:
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL113       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL114       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL115       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL116       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL117       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL122       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL123       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL124       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL125       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL125       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL126       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL127       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL128       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL129       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL130       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL137       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL138       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL139       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL140       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL141       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL142       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL144       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL152       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL152       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Saturday:
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL153       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL153       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL154       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL154       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL155       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL156       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL157       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL158       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL159       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL160       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL161       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL161       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL164       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL165       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
**********************************
** AERMOD Receptor Pathway
**********************************
**
**
RE STARTING
   INCLUDED "15809 Const CO.rou"
RE FINISHED
**
**********************************
** AERMOD Meteorology Pathway
**********************************
**
**
ME STARTING
   SURFFILE ..\RDLD_V9_ADJU\RDLD_v9.SFC
   PROFFILE ..\RDLD_V9_ADJU\RDLD_v9.PFL
   SURFDATA 3171 2012
   UAIRDATA 3190 2012
   SITEDATA 99999 2012
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   PROFBASE 481.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 8 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "15809 CONST CO.AD\01H1GALL.PLT" 31
   PLOTFILE 8 ALL 1ST "15809 CONST CO.AD\08H1GALL.PLT" 32
   SUMMFILE "15809 Const CO.sum"
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W186    2378       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold
 used           0.50
 ME W187    2378       MEOPEN: ADJ_U* Option for Stable Low Winds used in
 AERMET

 ***********************************
 *** SETUP Finishes Successfully ***
 ***********************************

FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***
 13:34:03

                              PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                                          ***     MODEL SETUP OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -

 ** Model Options Selected:
      * Model Uses Regulatory DEFAULT Options
      * Model Is Setup For Calculation of Average CONCentration Values.
      * NO GAS DEPOSITION Data Provided.
      * NO PARTICLE DEPOSITION Data Provided.
      * Model Uses NO DRY DEPLETION. DDPLETE  =  F
      * Model Uses NO WET DEPLETION. WETDPLT  =  F
      * Stack-tip Downwash.
      * Model Accounts for ELEVated Terrain Effects.
      * Use Calms Processing Routine.
      * Use Missing Data Processing Routine.
```

```
2436         * No Exponential Decay.
2437         * Model Uses URBAN Dispersion Algorithm for the SBL for   136 Source(s),
2438           for Total of    1 Urban Area(s):
2439       Urban Population =   2035210.0 ;  Urban Roughness Length =  1.000 m
2440         * Urban Roughness Length of 1.0 Meter Used.
2441         * ADJ_U*   - Use ADJ_U* option for SBL in AERMET
2442         * TEMP_Sub - Meteorological data includes TEMP substitutions
2443         * Model Accepts FLAGPOLE Receptor . Heights.
2444         * The User Specified a Pollutant Type of: CO
2445
2446    **Model Calculates  2 Short Term Average(s) of:   1-HR   8-HR
2447
2448    **This Run Includes:    136 Source(s);       1 Source Group(s); and      29 Receptor(s)
2449
2450                   with:      0 POINT(s), including
2451                              0 POINTCAP(s) and      0 POINTHOR(s)
2452                    and:    136 VOLUME source(s)
2453                    and:      0 AREA type source(s)
2454                    and:      0 LINE source(s)
2455                    and:      0 RLINE/RLINEXT source(s)
2456                    and:      0 OPENPIT source(s)
2457                    and:      0 BUOYANT LINE source(s) with a total of     0 line(s)
2458                    and:      0 SWPOINT source(s)
2459
2460
2461    **Model Set To Continue RUNning After the Setup Testing.
2462
2463    **The AERMET Input Meteorological Data Version Date:  16216
2464
2465    **Output Options Selected:
2466             Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
                 Keyword)
2467             Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
2468             Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)
2469
2470    **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
2471                                                                    m for Missing Hours
2472                                                                    b for Both Calm and
                                                                        Missing Hours
2473
2474    **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   481.00 ;  Decay Coef.
       =    0.000     ;  Rot. Angle =     0.0
2475                     Emission Units = GRAMS/SEC                                ;  Emission
                         Rate Unit Factor =   0.10000E+07
2476                     Output Units   = MICROGRAMS/M**3
2477
2478    **Approximate Storage Requirements of Model =      3.6 MB of RAM.
2479
2480    **Input Runstream File:
       aermod.inp

2481    **Output Print File:
       aermod.out

2482
2483    **Detailed Error/Message File:   15809 Const
       CO.err
2484    **File for Summary of Results:   15809 Const
       CO.sum
2485   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
2486    *** AERMET - VERSION  16216 ***
       ***                                                                    ***
       13:34:03
2487
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER INIT. PART. CATS.	URBAN SOURCE	EMISSION RATE (GRAMS/SEC) SCALAR VARY BY	X (METERS)	Y (METERS)	AIRCRAFT ELEV. (METERS)	BASE HEIGHT (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	SZ
VOL1	0	YES	0.37556E-02 HRDOW	496472.6	3767547.3	830.1	5.00	5.31	1.40	NO
VOL2	0	YES	0.37556E-02 HRDOW	496495.5	3767547.3	831.1	5.00	5.31	1.40	NO
VOL3	0	YES	0.37556E-02 HRDOW	496541.3	3767547.3	833.8	5.00	5.31	1.40	NO
VOL4	0	YES	0.37556E-02 HRDOW	496518.4	3767547.3	832.3	5.00	5.31	1.40	NO
VOL5	0	YES	0.37556E-02 HRDOW	496564.2	3767547.3	835.3	5.00	5.31	1.40	NO
VOL6	0	YES	0.37556E-02 HRDOW	496587.1	3767547.3	837.2	5.00	5.31	1.40	NO
VOL7	0	YES	0.37556E-02 HRDOW	496610.1	3767547.3	838.8	5.00	5.31	1.40	NO
VOL8	0	YES	0.37556E-02 HRDOW	496633.0	3767547.3	839.8	5.00	5.31	1.40	NO
VOL9	0	YES	0.37556E-02 HRDOW	496747.6	3767547.2	842.9	5.00	5.31	1.40	NO
VOL10	0	YES	0.37556E-02 HRDOW	496770.4	3767547.2	844.6	5.00	5.31	1.40	NO
VOL11	0	YES	0.37556E-02 HRDOW	496793.4	3767547.2	846.1	5.00	5.31	1.40	NO
VOL13	0	YES	0.37556E-02 HRDOW	496724.6	3767547.3	842.5	5.00	5.31	1.40	NO
VOL14	0	YES	0.37556E-02 HRDOW	496701.7	3767547.2	841.4	5.00	5.31	1.40	NO
VOL15	0	YES	0.37556E-02 HRDOW	496678.8	3767547.3	840.7	5.00	5.31	1.40	NO
VOL16	0	YES	0.37556E-02 HRDOW	496655.9	3767547.3	840.6	5.00	5.31	1.40	NO
VOL17	0	YES	0.37556E-02 HRDOW	496793.3	3767570.5	846.5	5.00	5.31	1.40	NO
VOL18	0	YES	0.37556E-02 HRDOW	496770.4	3767570.5	845.1	5.00	5.31	1.40	NO
VOL19	0	YES	0.37556E-02 HRDOW	496747.5	3767570.5	843.3	5.00	5.31	1.40	NO
VOL20	0	YES	0.37556E-02 HRDOW	496724.6	3767570.5	843.2	5.00	5.31	1.40	NO
VOL21	0	YES	0.37556E-02 HRDOW	496701.7	3767570.5	842.5	5.00	5.31	1.40	NO
VOL22	0	YES	0.37556E-02 HRDOW	496678.8	3767570.5	842.1	5.00	5.31	1.40	NO
VOL23	0	YES	0.37556E-02 HRDOW	496632.9	3767570.5	841.2	5.00	5.31	1.40	NO
VOL24	0	YES	0.37556E-02 HRDOW	496655.9	3767570.5	841.9	5.00	5.31	1.40	NO
VOL25	0	YES	0.37556E-02 HRDOW	496610.0	3767570.5	839.8	5.00	5.31	1.40	NO
VOL26	0	YES	0.37556E-02 HRDOW	496587.1	3767570.6	838.3	5.00	5.31	1.40	NO
VOL27	0	YES	0.37556E-02 HRDOW	496564.2	3767570.6	836.9	5.00	5.31	1.40	NO

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VOL28            0   0.37556E-02  496541.3 3767570.6   835.2     5.00     5.31
1.40     YES   HRDOW            NO
VOL29            0   0.37556E-02  496518.4 3767570.6   833.7     5.00     5.31
1.40     YES   HRDOW            NO
VOL30            0   0.37556E-02  496495.5 3767570.6   832.2     5.00     5.31
1.40     YES   HRDOW            NO
VOL31            0   0.37556E-02  496472.6 3767570.6   830.8     5.00     5.31
1.40     YES   HRDOW            NO
VOL32            0   0.37556E-02  496793.2 3767593.6   846.8     5.00     5.31
1.40     YES   HRDOW            NO
VOL33            0   0.37556E-02  496770.3 3767593.6   845.6     5.00     5.31
1.40     YES   HRDOW            NO
VOL34            0   0.37556E-02  496747.4 3767593.6   844.8     5.00     5.31
1.40     YES   HRDOW            NO
VOL35            0   0.37556E-02  496724.5 3767593.7   844.0     5.00     5.31
1.40     YES   HRDOW            NO
VOL36            0   0.37556E-02  496701.6 3767593.6   843.3     5.00     5.31
1.40     YES   HRDOW            NO
VOL37            0   0.37556E-02  496678.7 3767593.7   842.6     5.00     5.31
1.40     YES   HRDOW            NO
VOL38            0   0.37556E-02  496632.8 3767593.7   841.9     5.00     5.31
1.40     YES   HRDOW            NO
VOL39            0   0.37556E-02  496655.8 3767593.7   842.0     5.00     5.31
1.40     YES   HRDOW            NO
VOL40            0   0.37556E-02  496609.9 3767593.7   840.6     5.00     5.31
1.40     YES   HRDOW            NO
VOL41            0   0.37556E-02  496587.0 3767593.7   839.4     5.00     5.31
1.40     YES   HRDOW            NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***
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*** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*


                                                *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
               INIT.   URBAN  EMISSION RATE   AIRCRAFT
  SOURCE        PART.  (GRAMS/SEC)     X         Y      ELEV.   HEIGHT      SY
  SZ     SOURCE  SCALAR VARY
    ID          CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
    (METERS)              BY
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

VOL42            0   0.37556E-02  496564.1 3767593.7   838.2     5.00     5.31
1.40     YES   HRDOW            NO
VOL43            0   0.37556E-02  496541.2 3767593.7   836.0     5.00     5.31
1.40     YES   HRDOW            NO
VOL44            0   0.37556E-02  496518.3 3767593.7   834.4     5.00     5.31
1.40     YES   HRDOW            NO
VOL45            0   0.37556E-02  496495.4 3767593.7   832.9     5.00     5.31
1.40     YES   HRDOW            NO
VOL46            0   0.37556E-02  496472.5 3767593.7   831.4     5.00     5.31
1.40     YES   HRDOW            NO
VOL47            0   0.37556E-02  496793.3 3767616.8   847.3     5.00     5.31
1.40     YES   HRDOW            NO
VOL48            0   0.37556E-02  496770.4 3767616.8   846.4     5.00     5.31
1.40     YES   HRDOW            NO
VOL49            0   0.37556E-02  496747.5 3767616.8   845.6     5.00     5.31
1.40     YES   HRDOW            NO
VOL50            0   0.37556E-02  496724.6 3767616.9   844.8     5.00     5.31
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      1.40     YES   HRDOW            NO
2560  VOL51          0   0.37556E-02  496701.7 3767616.8   844.1     5.00     5.31
      1.40     YES   HRDOW            NO
2561  VOL52          0   0.37556E-02  496678.8 3767616.9   843.3     5.00     5.31
      1.40     YES   HRDOW            NO
2562  VOL53          0   0.37556E-02  496632.9 3767616.9   842.1     5.00     5.31
      1.40     YES   HRDOW            NO
2563  VOL54          0   0.37556E-02  496655.9 3767616.9   842.6     5.00     5.31
      1.40     YES   HRDOW            NO
2564  VOL55          0   0.37556E-02  496610.0 3767616.9   841.1     5.00     5.31
      1.40     YES   HRDOW            NO
2565  VOL56          0   0.37556E-02  496587.1 3767616.9   839.9     5.00     5.31
      1.40     YES   HRDOW            NO
2566  VOL57          0   0.37556E-02  496564.2 3767616.9   838.7     5.00     5.31
      1.40     YES   HRDOW            NO
2567  VOL58          0   0.37556E-02  496541.3 3767616.9   837.4     5.00     5.31
      1.40     YES   HRDOW            NO
2568  VOL59          0   0.37556E-02  496518.4 3767616.9   835.4     5.00     5.31
      1.40     YES   HRDOW            NO
2569  VOL60          0   0.37556E-02  496495.5 3767616.9   833.7     5.00     5.31
      1.40     YES   HRDOW            NO
2570  VOL62          0   0.37556E-02  496793.2 3767640.0   847.9     5.00     5.31
      1.40     YES   HRDOW            NO
2571  VOL63          0   0.37556E-02  496770.3 3767640.0   847.0     5.00     5.31
      1.40     YES   HRDOW            NO
2572  VOL64          0   0.37556E-02  496747.4 3767640.0   845.9     5.00     5.31
      1.40     YES   HRDOW            NO
2573  VOL65          0   0.37556E-02  496724.5 3767640.0   845.1     5.00     5.31
      1.40     YES   HRDOW            NO
2574  VOL66          0   0.37556E-02  496701.6 3767640.0   844.4     5.00     5.31
      1.40     YES   HRDOW            NO
2575  VOL67          0   0.37556E-02  496678.7 3767640.1   843.6     5.00     5.31
      1.40     YES   HRDOW            NO
2576  VOL68          0   0.37556E-02  496632.8 3767640.1   842.1     5.00     5.31
      1.40     YES   HRDOW            NO
2577  VOL69          0   0.37556E-02  496655.8 3767640.1   842.8     5.00     5.31
      1.40     YES   HRDOW            NO
2578  VOL70          0   0.37556E-02  496609.9 3767640.1   841.6     5.00     5.31
      1.40     YES   HRDOW            NO
2579  VOL71          0   0.37556E-02  496587.0 3767640.1   840.6     5.00     5.31
      1.40     YES   HRDOW            NO
2580  VOL72          0   0.37556E-02  496564.1 3767640.1   839.2     5.00     5.31
      1.40     YES   HRDOW            NO
2581  VOL73          0   0.37556E-02  496541.2 3767640.1   838.0     5.00     5.31
      1.40     YES   HRDOW            NO
2582  VOL74          0   0.37556E-02  496518.3 3767640.1   836.1     5.00     5.31
      1.40     YES   HRDOW            NO
2583  VOL77          0   0.37556E-02  496793.1 3767663.3   848.4     5.00     5.31
      1.40     YES   HRDOW            NO
2584  VOL78          0   0.37556E-02  496770.2 3767663.4   847.4     5.00     5.31
      1.40     YES   HRDOW            NO
2585  VOL79          0   0.37556E-02  496747.3 3767663.3   846.1     5.00     5.31
      1.40     YES   HRDOW            NO
2586  VOL80          0   0.37556E-02  496724.4 3767663.4   845.4     5.00     5.31
      1.40     YES   HRDOW            NO
2587  VOL81          0   0.37556E-02  496701.5 3767663.3   844.5     5.00     5.31
      1.40     YES   HRDOW            NO
2588  VOL82          0   0.37556E-02  496678.5 3767663.4   843.6     5.00     5.31
      1.40     YES   HRDOW            NO
2589  VOL83          0   0.37556E-02  496632.7 3767663.4   842.1     5.00     5.31
      1.40     YES   HRDOW            NO
2590  VOL84          0   0.37556E-02  496655.7 3767663.4   842.8     5.00     5.31
      1.40     YES   HRDOW            NO
2591  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
2592   *** AERMET - VERSION  16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER INIT. PART. CATS.	EMISSION RATE (GRAMS/SEC)	URBAN SOURCE	SCALAR VARY BY	BASE X (METERS)	BASE Y (METERS)	AIRCRAFT ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	SZ (METERS)
VOL85	0	0.37556E-02	YES	HRDOW	496609.8	3767663.4	842.0	5.00	5.31	1.40
VOL86	0	0.37556E-02	YES	HRDOW	496586.9	3767663.4	841.1	5.00	5.31	1.40
VOL87	0	0.37556E-02	YES	HRDOW	496564.0	3767663.4	839.6	5.00	5.31	1.40
VOL88	0	0.37556E-02	YES	HRDOW	496541.1	3767663.4	838.0	5.00	5.31	1.40
VOL89	0	0.37556E-02	YES	HRDOW	496518.2	3767663.4	836.7	5.00	5.31	1.40
VOL92	0	0.37556E-02	YES	HRDOW	496793.1	3767686.4	848.4	5.00	5.31	1.40
VOL93	0	0.37556E-02	YES	HRDOW	496770.2	3767686.4	847.7	5.00	5.31	1.40
VOL94	0	0.37556E-02	YES	HRDOW	496747.3	3767686.4	846.9	5.00	5.31	1.40
VOL95	0	0.37556E-02	YES	HRDOW	496724.4	3767686.4	846.1	5.00	5.31	1.40
VOL96	0	0.37556E-02	YES	HRDOW	496701.5	3767686.4	844.8	5.00	5.31	1.40
VOL97	0	0.37556E-02	YES	HRDOW	496678.5	3767686.5	843.6	5.00	5.31	1.40
VOL98	0	0.37556E-02	YES	HRDOW	496632.7	3767686.5	842.1	5.00	5.31	1.40
VOL99	0	0.37556E-02	YES	HRDOW	496655.7	3767686.5	842.8	5.00	5.31	1.40
VOL100	0	0.37556E-02	YES	HRDOW	496609.8	3767686.4	842.0	5.00	5.31	1.40
VOL101	0	0.37556E-02	YES	HRDOW	496586.9	3767686.5	841.1	5.00	5.31	1.40
VOL102	0	0.37556E-02	YES	HRDOW	496564.0	3767686.5	839.6	5.00	5.31	1.40
VOL103	0	0.37556E-02	YES	HRDOW	496541.1	3767686.5	838.1	5.00	5.31	1.40
VOL107	0	0.37556E-02	YES	HRDOW	496793.1	3767709.5	848.4	5.00	5.31	1.40
VOL108	0	0.37556E-02	YES	HRDOW	496770.2	3767709.5	847.7	5.00	5.31	1.40
VOL109	0	0.37556E-02	YES	HRDOW	496747.3	3767709.5	846.9	5.00	5.31	1.40
VOL110	0	0.37556E-02	YES	HRDOW	496724.4	3767709.5	846.1	5.00	5.31	1.40
VOL111	0	0.37556E-02	YES	HRDOW	496701.5	3767709.5	844.8	5.00	5.31	1.40
VOL112	0	0.37556E-02	YES	HRDOW	496678.5	3767709.6	843.6	5.00	5.31	1.40
VOL113	0	0.37556E-02	YES	HRDOW	496632.7	3767709.5	842.1	5.00	5.31	1.40

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 VOL114           0   0.37556E-02  496655.7 3767709.5   842.8     5.00     5.31
 1.40     YES   HRDOW            NO
 VOL115           0   0.37556E-02  496609.8 3767709.5   841.5     5.00     5.31
 1.40     YES   HRDOW            NO
 VOL116           0   0.37556E-02  496586.9 3767709.6   840.7     5.00     5.31
 1.40     YES   HRDOW            NO
 VOL117           0   0.37556E-02  496564.0 3767709.6   839.7     5.00     5.31
 1.40     YES   HRDOW            NO
 VOL122           0   0.37556E-02  496792.9 3767732.7   848.6     5.00     5.31
 1.40     YES   HRDOW            NO
 VOL123           0   0.37556E-02  496770.0 3767732.7   847.7     5.00     5.31
 1.40     YES   HRDOW            NO
 VOL124           0   0.37556E-02  496747.1 3767732.7   846.9     5.00     5.31
 1.40     YES   HRDOW            NO
 VOL125           0   0.37556E-02  496724.1 3767732.7   846.1     5.00     5.31
 1.40     YES   HRDOW            NO
 VOL126           0   0.37556E-02  496701.2 3767732.7   844.7     5.00     5.31
 1.40     YES   HRDOW            NO
 VOL127           0   0.37556E-02  496678.3 3767732.8   843.4     5.00     5.31
 1.40     YES   HRDOW            NO
 VOL128           0   0.37556E-02  496632.5 3767732.7   841.5     5.00     5.31
 1.40     YES   HRDOW            NO
 VOL129           0   0.37556E-02  496655.4 3767732.7   842.3     5.00     5.31
 1.40     YES   HRDOW            NO
 VOL130           0   0.37556E-02  496609.6 3767732.7   840.8     5.00     5.31
 1.40     YES   HRDOW            NO
 VOL137           0   0.37556E-02  496792.8 3767755.9   849.0     5.00     5.31
 1.40     YES   HRDOW            NO
 VOL138           0   0.37556E-02  496769.9 3767755.9   848.0     5.00     5.31
 1.40     YES   HRDOW            NO
 VOL139           0   0.37556E-02  496747.0 3767755.9   847.2     5.00     5.31
 1.40     YES   HRDOW            NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***
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*** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*


                                                  *** VOLUME SOURCE DATA ***

                NUMBER EMISSION RATE                      BASE    RELEASE    INIT.
                INIT.   URBAN  EMISSION RATE   AIRCRAFT
  SOURCE         PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
  SZ     SOURCE  SCALAR VARY
    ID          CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
    (METERS)              BY
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

 VOL140           0   0.37556E-02  496724.0 3767755.9   846.2     5.00     5.31
 1.40     YES   HRDOW            NO
 VOL141           0   0.37556E-02  496701.1 3767755.9   844.5     5.00     5.31
 1.40     YES   HRDOW            NO
 VOL142           0   0.37556E-02  496678.2 3767755.9   843.0     5.00     5.31
 1.40     YES   HRDOW            NO
 VOL144           0   0.37556E-02  496655.3 3767755.9   841.8     5.00     5.31
 1.40     YES   HRDOW            NO
 VOL152           0   0.37556E-02  496792.6 3767779.0   849.4     5.00     5.31
 1.40     YES   HRDOW            NO
 VOL153           0   0.37556E-02  496769.7 3767779.0   848.6     5.00     5.31
 1.40     YES   HRDOW            NO
 VOL154           0   0.37556E-02  496746.8 3767779.0   847.8     5.00     5.31
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      1.40     YES   HRDOW            NO
2664  VOL155           0   0.37556E-02  496723.9 3767779.0   846.3     5.00     5.31
      1.40     YES   HRDOW            NO
2665  VOL156           0   0.37556E-02  496701.0 3767779.0   844.2     5.00     5.31
      1.40     YES   HRDOW            NO
2666  VOL157           0   0.37556E-02  496678.1 3767779.1   842.8     5.00     5.31
      1.40     YES   HRDOW            NO
2667  VOL158           0   0.37556E-02  496792.4 3767802.2   849.4     5.00     5.31
      1.40     YES   HRDOW            NO
2668  VOL159           0   0.37556E-02  496769.5 3767802.2   848.6     5.00     5.31
      1.40     YES   HRDOW            NO
2669  VOL160           0   0.37556E-02  496746.6 3767802.2   847.9     5.00     5.31
      1.40     YES   HRDOW            NO
2670  VOL161           0   0.37556E-02  496723.6 3767802.2   847.0     5.00     5.31
      1.40     YES   HRDOW            NO
2671  VOL164           0   0.37556E-02  496792.4 3767825.2   850.0     5.00     5.31
      1.40     YES   HRDOW            NO
2672  VOL165           0   0.37556E-02  496769.5 3767825.2   849.3     5.00     5.31
      1.40     YES   HRDOW            NO
2673  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
2674   *** AERMET - VERSION  16216 ***
       ***                                                                    ***
       13:34:03
2675
                                  PAGE   6
2676   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
2677
2678
2679                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***
2680
2681   SRCGROUP ID                                              SOURCE IDs
2682   -----------                                              ----------
2683
2684
2685    ALL        VOL1       , VOL2       , VOL3       , VOL4       , VOL5       ,
       VOL6       , VOL7       , VOL8       ,
2686
2687               VOL9       , VOL10      , VOL11      , VOL13      , VOL14      ,
               VOL15      , VOL16      , VOL17      ,
2688
2689               VOL18      , VOL19      , VOL20      , VOL21      , VOL22      ,
               VOL23      , VOL24      , VOL25      ,
2690
2691               VOL26      , VOL27      , VOL28      , VOL29      , VOL30      ,
               VOL31      , VOL32      , VOL33      ,
2692
2693               VOL34      , VOL35      , VOL36      , VOL37      , VOL38      ,
               VOL39      , VOL40      , VOL41      ,
2694
2695               VOL42      , VOL43      , VOL44      , VOL45      , VOL46      ,
               VOL47      , VOL48      , VOL49      ,
2696
2697               VOL50      , VOL51      , VOL52      , VOL53      , VOL54      ,
               VOL55      , VOL56      , VOL57      ,
2698
2699               VOL58      , VOL59      , VOL60      , VOL62      , VOL63      ,
               VOL64      , VOL65      , VOL66      ,
2700
2701               VOL67      , VOL68      , VOL69      , VOL70      , VOL71      ,
               VOL72      , VOL73      , VOL74      ,
2702
2703               VOL77      , VOL78      , VOL79      , VOL80      , VOL81      ,
               VOL82      , VOL83      , VOL84      ,
2704
2705               VOL85      , VOL86      , VOL87      , VOL88      , VOL89      ,
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              VOL92       , VOL93       , VOL94       ,
2706
2707          VOL95       , VOL96       , VOL97       , VOL98       , VOL99       ,
              VOL100      , VOL101      , VOL102      ,
2708
2709          VOL103      , VOL107      , VOL108      , VOL109      , VOL110      ,
              VOL111      , VOL112      , VOL113      ,
2710
2711          VOL114      , VOL115      , VOL116      , VOL117      , VOL122      ,
              VOL123      , VOL124      , VOL125      ,
2712
2713          VOL126      , VOL127      , VOL128      , VOL129      , VOL130      ,
              VOL137      , VOL138      , VOL139      ,
2714
2715          VOL140      , VOL141      , VOL142      , VOL144      , VOL152      ,
              VOL153      , VOL154      , VOL155      ,
2716
2717          VOL156      , VOL157      , VOL158      , VOL159      , VOL160      ,
              VOL161      , VOL164      , VOL165      ,
2718 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
     Ops CO\15809 Ops CO. ***        08/28/24
2719  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:34:03
2720
                                PAGE   7
2721  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
2722
2723
2724                                        *** SOURCE IDs DEFINED AS URBAN SOURCES ***
2725
2726   URBAN ID   URBAN POP                                  SOURCE IDs
2727   --------   ---------                                  ----------
2728
2729
2730           2035210.   VOL1        , VOL2        , VOL3        , VOL4        ,
               VOL5        , VOL6        , VOL7        ,
2731  VOL8        ,
2732
2733          VOL9        , VOL10       , VOL11       , VOL13       , VOL14       ,
              VOL15       , VOL16       , VOL17       ,
2734
2735          VOL18       , VOL19       , VOL20       , VOL21       , VOL22       ,
              VOL23       , VOL24       , VOL25       ,
2736
2737          VOL26       , VOL27       , VOL28       , VOL29       , VOL30       ,
              VOL31       , VOL32       , VOL33       ,
2738
2739          VOL34       , VOL35       , VOL36       , VOL37       , VOL38       ,
              VOL39       , VOL40       , VOL41       ,
2740
2741          VOL42       , VOL43       , VOL44       , VOL45       , VOL46       ,
              VOL47       , VOL48       , VOL49       ,
2742
2743          VOL50       , VOL51       , VOL52       , VOL53       , VOL54       ,
              VOL55       , VOL56       , VOL57       ,
2744
2745          VOL58       , VOL59       , VOL60       , VOL62       , VOL63       ,
              VOL64       , VOL65       , VOL66       ,
2746
2747          VOL67       , VOL68       , VOL69       , VOL70       , VOL71       ,
              VOL72       , VOL73       , VOL74       ,
2748
2749          VOL77       , VOL78       , VOL79       , VOL80       , VOL81       ,
              VOL82       , VOL83       , VOL84       ,
2750
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2751              VOL85       , VOL86       , VOL87       , VOL88       , VOL89       ,
                  VOL92       , VOL93       , VOL94       ,
2752
2753              VOL95       , VOL96       , VOL97       , VOL98       , VOL99       ,
                  VOL100      , VOL101      , VOL102      ,
2754
2755              VOL103      , VOL107      , VOL108      , VOL109      , VOL110      ,
                  VOL111      , VOL112      , VOL113      ,
2756
2757              VOL114      , VOL115      , VOL116      , VOL117      , VOL122      ,
                  VOL123      , VOL124      , VOL125      ,
2758
2759              VOL126      , VOL127      , VOL128      , VOL129      , VOL130      ,
                  VOL137      , VOL138      , VOL139      ,
2760
2761              VOL140      , VOL141      , VOL142      , VOL144      , VOL152      ,
                  VOL153      , VOL154      , VOL155      ,
2762
2763              VOL156      , VOL157      , VOL158      , VOL159      , VOL160      ,
                  VOL161      , VOL164      , VOL165      ,
2764 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
     Ops CO\15809 Ops CO. ***        08/28/24
2765  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:34:03
2766
                                  PAGE   8
2767  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
2768
2769                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
2770
2771  SOURCE ID = VOL1         ; SOURCE TYPE = VOLUME   :
2772   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
      SCALAR   HOUR   SCALAR   HOUR   SCALAR
2773  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
2774                                              DAY OF WEEK = WEEKDAY
2775     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
        .0000E+00    7  .0000E+00    8  .1000E+01
2776     9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
        .1000E+01   15  .1000E+01   16  .0000E+00
2777    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
        .0000E+00   23  .0000E+00   24  .0000E+00
2778                                              DAY OF WEEK = SATURDAY
2779     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
        .0000E+00    7  .0000E+00    8  .0000E+00
2780     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
        .0000E+00   15  .0000E+00   16  .0000E+00
2781    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
        .0000E+00   23  .0000E+00   24  .0000E+00
2782                                              DAY OF WEEK = SUNDAY
2783     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
        .0000E+00    7  .0000E+00    8  .0000E+00
2784     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
        .0000E+00   15  .0000E+00   16  .0000E+00
2785    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
        .0000E+00   23  .0000E+00   24  .0000E+00
2786 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
     Ops CO\15809 Ops CO. ***        08/28/24
2787  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
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2788
                                  PAGE   9
2789  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
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2790
2791                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
2792
2793    SOURCE ID = VOL2         ; SOURCE TYPE = VOLUME   :
2794     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
2795    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
2796                                                DAY OF WEEK = WEEKDAY
2797       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
2798       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
2799      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
2800                                                DAY OF WEEK = SATURDAY
2801       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
2802       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
2803      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
2804                                                DAY OF WEEK = SUNDAY
2805       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
2806       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
2807      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
2808    FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
        Ops CO\15809 Ops CO. ***        08/28/24
2809     *** AERMET - VERSION  16216 ***
         ***                                                                    ***
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2810
                                  PAGE  10
2811     *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
2812
2813                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
2814
2815    SOURCE ID = VOL3         ; SOURCE TYPE = VOLUME   :
2816     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
2817    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
2818                                                DAY OF WEEK = WEEKDAY
2819       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
2820       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
2821      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
2822                                                DAY OF WEEK = SATURDAY
2823       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
2824       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
2825      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
2826                                                DAY OF WEEK = SUNDAY
2827       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
2828       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
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  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL4         ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL5         ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
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      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:34:03

                              PAGE  13
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL6         ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:34:03

                              PAGE  14
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL7         ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01

9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL8 ; SOURCE TYPE = VOLUME :

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

- - - - - - - - - - - - - - - - - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01

9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL9 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

FF *** AERMOD - VERSION 23132 *** *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Ops CO\15809 Ops CO. *** 08/28/24

*** AERMET - VERSION 16216 ***

*** ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL10 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00

```
2982       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
2983      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
2984   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
2985    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
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2986
                                    PAGE  18
2987    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
2988
2989                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
2990
2991    SOURCE ID = VOL11        ; SOURCE TYPE = VOLUME   :
2992     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
2993    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
2994                                                DAY OF WEEK = WEEKDAY
2995       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
2996       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
2997      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
2998                                                DAY OF WEEK = SATURDAY
2999       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3000       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3001      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3002                                                DAY OF WEEK = SUNDAY
3003       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3004       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3005      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3006   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
3007    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
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3008
                                    PAGE  19
3009    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3010
3011                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
3012
3013    SOURCE ID = VOL13        ; SOURCE TYPE = VOLUME   :
3014     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
3015    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
3016                                                DAY OF WEEK = WEEKDAY
3017       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
3018       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
3019      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL14        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL15        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
```

```
 SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - -
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL17 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

FF *** AERMOD - VERSION 23132 *** *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Ops CO\15809 Ops CO. *** 08/28/24

*** AERMET - VERSION 16216 ***

*** ***

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL18 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

```
3135       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3136       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3137      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3138   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
3139    *** AERMET - VERSION  16216 ***
        ***                                                                          ***
        13:34:03
3140
                                    PAGE  25
3141    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3142
3143                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
3144
3145    SOURCE ID = VOL19        ; SOURCE TYPE = VOLUME   :
3146     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
3147    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
3148                                                DAY OF WEEK = WEEKDAY
3149       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
3150       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
3151      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3152                                                DAY OF WEEK = SATURDAY
3153       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3154       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3155      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3156                                                DAY OF WEEK = SUNDAY
3157       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3158       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3159      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3160   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
3161    *** AERMET - VERSION  16216 ***
        ***                                                                          ***
        13:34:03
3162
                                    PAGE  26
3163    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3164
3165                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
3166
3167    SOURCE ID = VOL20        ; SOURCE TYPE = VOLUME   :
3168     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
3169    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
3170                                                DAY OF WEEK = WEEKDAY
3171       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
3172       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
```

```
3173      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3174                                                DAY OF WEEK = SATURDAY
3175       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
3176       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
3177      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3178                                                DAY OF WEEK = SUNDAY
3179       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
3180       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
3181      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3182   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
3183    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:34:03
3184
                                  PAGE  27
3185    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3186
3187                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
3188
3189    SOURCE ID = VOL21        ; SOURCE TYPE = VOLUME   :
3190     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
3191   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
3192                                                DAY OF WEEK = WEEKDAY
3193       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .1000E+01
3194       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .0000E+00
3195      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3196                                                DAY OF WEEK = SATURDAY
3197       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
3198       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
3199      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3200                                                DAY OF WEEK = SUNDAY
3201       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
3202       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
3203      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3204   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
3205    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:34:03
3206
                                  PAGE  28
3207    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3208
3209                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
3210
```

```
 SOURCE ID = VOL22        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:34:03

                            PAGE  29
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL23        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL24   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL25   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

```
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
     .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
     .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:34:03

                              PAGE  32
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL26        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
     .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
     .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
     .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
     .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
     .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
     .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:34:03

                              PAGE  33
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL27        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
     .0000E+00    7  .0000E+00    8  .1000E+01
```

```
3326       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
3327      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3328                                              DAY OF WEEK = SATURDAY
3329       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3330       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3331      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3332                                              DAY OF WEEK = SUNDAY
3333       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3334       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3335      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3336   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
3337    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:34:03
3338
                                  PAGE  34
3339    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3340
3341                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
3342
3343    SOURCE ID = VOL28        ; SOURCE TYPE = VOLUME   :
3344     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
3345    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
3346                                              DAY OF WEEK = WEEKDAY
3347       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
3348       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
3349      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3350                                              DAY OF WEEK = SATURDAY
3351       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3352       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3353      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3354                                              DAY OF WEEK = SUNDAY
3355       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3356       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3357      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3358   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
3359    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:34:03
3360
                                  PAGE  35
3361    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3362
3363                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
```

```
                    WEEK (HRDOW) *
3364
3365    SOURCE ID = VOL29        ; SOURCE TYPE = VOLUME   :
3366     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
3367    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
3368                                                DAY OF WEEK = WEEKDAY
3369       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
3370       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
3371      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3372                                                DAY OF WEEK = SATURDAY
3373       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3374       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3375      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3376                                                DAY OF WEEK = SUNDAY
3377       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3378       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3379      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3380    FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
        Ops CO\15809 Ops CO. ***        08/28/24
3381     *** AERMET - VERSION  16216 ***
         ***                                                                    ***
         13:34:03
3382
                                    PAGE  36
3383     *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3384
3385                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
3386
3387    SOURCE ID = VOL30        ; SOURCE TYPE = VOLUME   :
3388     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
3389    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
3390                                                DAY OF WEEK = WEEKDAY
3391       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
3392       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
3393      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3394                                                DAY OF WEEK = SATURDAY
3395       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3396       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3397      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3398                                                DAY OF WEEK = SUNDAY
3399       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3400       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3401      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL31 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL32 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14					

```
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:34:03

                                PAGE  39
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL33        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:34:03

                                PAGE  40
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL34        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
```

```
3479       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
3480       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
3481      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3482                                                DAY OF WEEK = SATURDAY
3483       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3484       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3485      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3486                                                DAY OF WEEK = SUNDAY
3487       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3488       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3489      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3490 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
     Ops CO\15809 Ops CO. ***        08/28/24
3491  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:34:03
3492
                                  PAGE  41
3493  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3494
3495                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
3496
3497  SOURCE ID = VOL35        ; SOURCE TYPE = VOLUME   :
3498   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
      SCALAR   HOUR   SCALAR   HOUR   SCALAR
3499  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
3500                                                DAY OF WEEK = WEEKDAY
3501       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
3502       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
3503      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3504                                                DAY OF WEEK = SATURDAY
3505       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3506       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3507      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3508                                                DAY OF WEEK = SUNDAY
3509       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3510       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3511      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3512 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
     Ops CO\15809 Ops CO. ***        08/28/24
3513  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:34:03
3514
                                  PAGE  42
3515  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
```

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3516
3517                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
3518
3519    SOURCE ID = VOL36        ; SOURCE TYPE = VOLUME   :
3520     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
3521    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
3522                                                DAY OF WEEK = WEEKDAY
3523       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
3524       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
3525      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3526                                                DAY OF WEEK = SATURDAY
3527       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3528       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3529      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3530                                                DAY OF WEEK = SUNDAY
3531       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3532       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3533      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3534    FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
        Ops CO\15809 Ops CO. ***        08/28/24
3535     *** AERMET - VERSION  16216 ***
         ***                                                                    ***
         13:34:03
3536
                                    PAGE  43
3537     *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3538
3539                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
3540
3541    SOURCE ID = VOL37        ; SOURCE TYPE = VOLUME   :
3542     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
3543    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
3544                                                DAY OF WEEK = WEEKDAY
3545       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
3546       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
3547      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3548                                                DAY OF WEEK = SATURDAY
3549       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3550       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3551      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3552                                                DAY OF WEEK = SUNDAY
3553       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3554       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
```

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  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:34:03

                              PAGE  44
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL38        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:34:03

                              PAGE  45
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL39        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
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      .0000E+00    7  .0000E+00    8  .0000E+00
3594   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
       .0000E+00   15  .0000E+00   16  .0000E+00
3595  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
       .0000E+00   23  .0000E+00   24  .0000E+00
3596                                          DAY OF WEEK = SUNDAY
3597   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
       .0000E+00    7  .0000E+00    8  .0000E+00
3598   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
       .0000E+00   15  .0000E+00   16  .0000E+00
3599  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
       .0000E+00   23  .0000E+00   24  .0000E+00
3600 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
     Ops CO\15809 Ops CO. ***        08/28/24
3601  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:34:03
3602
                                PAGE  46
3603  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3604
3605                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
3606
3607  SOURCE ID = VOL40        ; SOURCE TYPE = VOLUME   :
3608   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
3609  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
3610                                          DAY OF WEEK = WEEKDAY
3611   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
       .0000E+00    7  .0000E+00    8  .1000E+01
3612   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
       .1000E+01   15  .1000E+01   16  .0000E+00
3613  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
       .0000E+00   23  .0000E+00   24  .0000E+00
3614                                          DAY OF WEEK = SATURDAY
3615   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
       .0000E+00    7  .0000E+00    8  .0000E+00
3616   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
       .0000E+00   15  .0000E+00   16  .0000E+00
3617  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
       .0000E+00   23  .0000E+00   24  .0000E+00
3618                                          DAY OF WEEK = SUNDAY
3619   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
       .0000E+00    7  .0000E+00    8  .0000E+00
3620   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
       .0000E+00   15  .0000E+00   16  .0000E+00
3621  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
       .0000E+00   23  .0000E+00   24  .0000E+00
3622 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
     Ops CO\15809 Ops CO. ***        08/28/24
3623  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:34:03
3624
                                PAGE  47
3625  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3626
3627                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
3628
3629  SOURCE ID = VOL41        ; SOURCE TYPE = VOLUME   :
3630   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
3631  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

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    - - - - - - - - - - - - - - - - - - - -
3632                                                DAY OF WEEK = WEEKDAY
3633       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
3634       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
3635      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3636                                                DAY OF WEEK = SATURDAY
3637       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3638       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3639      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3640                                                DAY OF WEEK = SUNDAY
3641       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3642       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3643      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3644  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
    Ops CO\15809 Ops CO. ***        08/28/24
3645   *** AERMET - VERSION  16216 ***
       ***                                                                          ***
       13:34:03
3646
                                PAGE  48
3647   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3648
3649                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
3650
3651   SOURCE ID = VOL42        ; SOURCE TYPE = VOLUME   :
3652    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
3653   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
    - - - - - - - - - - - - - - - - - - - -
3654                                                DAY OF WEEK = WEEKDAY
3655       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
3656       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
3657      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3658                                                DAY OF WEEK = SATURDAY
3659       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3660       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3661      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3662                                                DAY OF WEEK = SUNDAY
3663       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3664       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3665      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3666  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
    Ops CO\15809 Ops CO. ***        08/28/24
3667   *** AERMET - VERSION  16216 ***
       ***                                                                          ***
       13:34:03
3668
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL43 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

FF *** AERMOD - VERSION 23132 *** *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Ops CO\15809 Ops CO. *** 08/28/24

*** AERMET - VERSION 16216 ***

*** ***

13:34:03

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL44 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00

```
3708       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3709      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3710   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
3711    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:34:03
3712
                                    PAGE  51
3713    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3714
3715                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
3716
3717    SOURCE ID = VOL45        ; SOURCE TYPE = VOLUME   :
3718     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
3719    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
3720                                                DAY OF WEEK = WEEKDAY
3721       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
3722       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
3723      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3724                                                DAY OF WEEK = SATURDAY
3725       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3726       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3727      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3728                                                DAY OF WEEK = SUNDAY
3729       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3730       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3731      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3732   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
3733    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:34:03
3734
                                    PAGE  52
3735    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3736
3737                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
3738
3739    SOURCE ID = VOL46        ; SOURCE TYPE = VOLUME   :
3740     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
3741    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
3742                                                DAY OF WEEK = WEEKDAY
3743       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
3744       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
3745      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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                              PAGE  53
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL47        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:34:03

                              PAGE  54
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL48        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
```

```
 SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - -
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL50 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

FF *** AERMOD - VERSION 23132 *** *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Ops CO\15809 Ops CO. *** 08/28/24

*** AERMET - VERSION 16216 ***

*** ***

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL51 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															

```
3861       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3862       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3863      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3864   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
3865    *** AERMET - VERSION  16216 ***
        ***                                                                        ***
        13:34:03
3866
                                    PAGE  58
3867    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3868
3869                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
3870
3871    SOURCE ID = VOL52        ; SOURCE TYPE = VOLUME   :
3872     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
3873    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
3874                                                DAY OF WEEK = WEEKDAY
3875       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
3876       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
3877      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3878                                                DAY OF WEEK = SATURDAY
3879       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3880       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3881      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3882                                                DAY OF WEEK = SUNDAY
3883       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3884       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3885      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3886   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
3887    *** AERMET - VERSION  16216 ***
        ***                                                                        ***
        13:34:03
3888
                                    PAGE  59
3889    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3890
3891                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
3892
3893    SOURCE ID = VOL53        ; SOURCE TYPE = VOLUME   :
3894     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
3895    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
3896                                                DAY OF WEEK = WEEKDAY
3897       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
3898       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
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```
3899      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3900                                                  DAY OF WEEK = SATURDAY
3901       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
3902       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
3903      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3904                                                  DAY OF WEEK = SUNDAY
3905       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
3906       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
3907      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3908  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
3909       *** AERMET - VERSION  16216 ***
           ***                                                                    ***
           13:34:03
3910
                                    PAGE  60
3911       *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3912
3913                         * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                             WEEK (HRDOW) *
3914
3915       SOURCE ID = VOL54        ; SOURCE TYPE = VOLUME   :
3916        HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
           SCALAR   HOUR   SCALAR   HOUR   SCALAR
3917  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
3918                                                  DAY OF WEEK = WEEKDAY
3919       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .1000E+01
3920       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .0000E+00
3921      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3922                                                  DAY OF WEEK = SATURDAY
3923       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
3924       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
3925      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3926                                                  DAY OF WEEK = SUNDAY
3927       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
3928       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
3929      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3930  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
3931       *** AERMET - VERSION  16216 ***
           ***                                                                    ***
           13:34:03
3932
                                    PAGE  61
3933       *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3934
3935                         * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                             WEEK (HRDOW) *
3936
```

```
 SOURCE ID = VOL55        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***
 13:34:03

                            PAGE  62
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL56        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL57   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL58   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

```
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:34:03

                              PAGE  65
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL59        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:34:03

                              PAGE  66
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL60        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
```

```
4052       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
4053      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4054                                                DAY OF WEEK = SATURDAY
4055       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4056       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4057      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4058                                                DAY OF WEEK = SUNDAY
4059       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4060       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4061      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4062   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
4063    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:34:03
4064
                                   PAGE  67
4065    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4066
4067                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
4068
4069    SOURCE ID = VOL62        ; SOURCE TYPE = VOLUME   :
4070     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
4071   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
4072                                                DAY OF WEEK = WEEKDAY
4073       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
4074       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
4075      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4076                                                DAY OF WEEK = SATURDAY
4077       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4078       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4079      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4080                                                DAY OF WEEK = SUNDAY
4081       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4082       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4083      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4084   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
4085    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:34:03
4086
                                   PAGE  68
4087    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4088
4089                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
```

```
                    WEEK (HRDOW) *
4090
4091    SOURCE ID = VOL63        ; SOURCE TYPE = VOLUME   :
4092     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
4093    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
4094                                                DAY OF WEEK = WEEKDAY
4095       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
4096       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
4097      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4098                                                DAY OF WEEK = SATURDAY
4099       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4100       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4101      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4102                                                DAY OF WEEK = SUNDAY
4103       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4104       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4105      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4106    FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
        Ops CO\15809 Ops CO. ***        08/28/24
4107     *** AERMET - VERSION  16216 ***
         ***                                                                    ***
         13:34:03
4108
                                    PAGE  69
4109     *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4110
4111                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
4112
4113     SOURCE ID = VOL64        ; SOURCE TYPE = VOLUME   :
4114     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
4115    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
4116                                                DAY OF WEEK = WEEKDAY
4117       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
4118       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
4119      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4120                                                DAY OF WEEK = SATURDAY
4121       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4122       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4123      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4124                                                DAY OF WEEK = SUNDAY
4125       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4126       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4127      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL65 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL66 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14					

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        .0000E+00   15  .0000E+00   16  .0000E+00
4167      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
        .0000E+00   23  .0000E+00   24  .0000E+00
4168                                              DAY OF WEEK = SUNDAY
4169       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
        .0000E+00    7  .0000E+00    8  .0000E+00
4170       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
        .0000E+00   15  .0000E+00   16  .0000E+00
4171      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
        .0000E+00   23  .0000E+00   24  .0000E+00
4172    FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
4173     *** AERMET - VERSION  16216 ***
         ***                                                                    ***
         13:34:03
4174
                                    PAGE  72
4175     *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4176
4177                       * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                           WEEK (HRDOW) *
4178
4179     SOURCE ID = VOL67        ; SOURCE TYPE = VOLUME   :
4180      HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
4181    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - - -
4182                                              DAY OF WEEK = WEEKDAY
4183       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
        .0000E+00    7  .0000E+00    8  .1000E+01
4184       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
        .1000E+01   15  .1000E+01   16  .0000E+00
4185      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
        .0000E+00   23  .0000E+00   24  .0000E+00
4186                                              DAY OF WEEK = SATURDAY
4187       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
        .0000E+00    7  .0000E+00    8  .0000E+00
4188       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
        .0000E+00   15  .0000E+00   16  .0000E+00
4189      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
        .0000E+00   23  .0000E+00   24  .0000E+00
4190                                              DAY OF WEEK = SUNDAY
4191       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
        .0000E+00    7  .0000E+00    8  .0000E+00
4192       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
        .0000E+00   15  .0000E+00   16  .0000E+00
4193      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
        .0000E+00   23  .0000E+00   24  .0000E+00
4194    FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
4195     *** AERMET - VERSION  16216 ***
         ***                                                                    ***
         13:34:03
4196
                                    PAGE  73
4197     *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4198
4199                       * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                           WEEK (HRDOW) *
4200
4201     SOURCE ID = VOL68        ; SOURCE TYPE = VOLUME   :
4202      HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
4203    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - - -
4204                                              DAY OF WEEK = WEEKDAY
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4205       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
4206       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
4207      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4208                                                DAY OF WEEK = SATURDAY
4209       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4210       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4211      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4212                                                DAY OF WEEK = SUNDAY
4213       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4214       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4215      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4216 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
     Ops CO\15809 Ops CO. ***        08/28/24
4217  *** AERMET - VERSION  16216 ***
      ***                                                                        ***
      13:34:03
4218
                                  PAGE  74
4219  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4220
4221                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
4222
4223  SOURCE ID = VOL69        ; SOURCE TYPE = VOLUME   :
4224   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
      SCALAR   HOUR   SCALAR   HOUR   SCALAR
4225  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
4226                                                DAY OF WEEK = WEEKDAY
4227       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
4228       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
4229      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4230                                                DAY OF WEEK = SATURDAY
4231       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4232       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4233      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4234                                                DAY OF WEEK = SUNDAY
4235       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4236       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4237      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4238 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
     Ops CO\15809 Ops CO. ***        08/28/24
4239  *** AERMET - VERSION  16216 ***
      ***                                                                        ***
      13:34:03
4240
                                  PAGE  75
4241  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
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4242
4243                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
4244
4245    SOURCE ID = VOL70        ; SOURCE TYPE = VOLUME   :
4246     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
4247    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
4248                                                DAY OF WEEK = WEEKDAY
4249       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
4250       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
4251      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4252                                                DAY OF WEEK = SATURDAY
4253       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4254       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4255      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4256                                                DAY OF WEEK = SUNDAY
4257       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4258       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4259      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4260    FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
        Ops CO\15809 Ops CO. ***        08/28/24
4261     *** AERMET - VERSION  16216 ***
         ***                                                                    ***
         13:34:03
4262
                                    PAGE  76
4263     *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4264
4265                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
4266
4267    SOURCE ID = VOL71        ; SOURCE TYPE = VOLUME   :
4268     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
4269    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
4270                                                DAY OF WEEK = WEEKDAY
4271       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
4272       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
4273      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4274                                                DAY OF WEEK = SATURDAY
4275       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4276       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4277      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4278                                                DAY OF WEEK = SUNDAY
4279       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4280       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
```

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4281      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4282   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
4283    *** AERMET - VERSION  16216 ***
        ***                                                                          ***
        13:34:03
4284
                                    PAGE  77
4285    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4286
4287                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
4288
4289    SOURCE ID = VOL72        ; SOURCE TYPE = VOLUME   :
4290     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
4291    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
4292                                                DAY OF WEEK = WEEKDAY
4293       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .1000E+01
4294       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .0000E+00
4295      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4296                                                DAY OF WEEK = SATURDAY
4297       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
4298       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
4299      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4300                                                DAY OF WEEK = SUNDAY
4301       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
4302       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
4303      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4304   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
4305    *** AERMET - VERSION  16216 ***
        ***                                                                          ***
        13:34:03
4306
                                    PAGE  78
4307    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4308
4309                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
4310
4311    SOURCE ID = VOL73        ; SOURCE TYPE = VOLUME   :
4312     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
4313    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
4314                                                DAY OF WEEK = WEEKDAY
4315       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .1000E+01
4316       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .0000E+00
4317      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4318                                                DAY OF WEEK = SATURDAY
4319       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
```

```
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:34:03

                              PAGE  79
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL74        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:34:03

                              PAGE  80
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL77        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

```
     - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
        1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
        .0000E+00    7  .0000E+00    8  .1000E+01
        9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
        .1000E+01   15  .1000E+01   16  .0000E+00
       17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
       .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
        1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
        .0000E+00    7  .0000E+00    8  .0000E+00
        9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
        .0000E+00   15  .0000E+00   16  .0000E+00
       17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
       .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
        1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
        .0000E+00    7  .0000E+00    8  .0000E+00
        9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
        .0000E+00   15  .0000E+00   16  .0000E+00
       17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
       .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:34:03

                              PAGE  81
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL78        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
        1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
        .0000E+00    7  .0000E+00    8  .1000E+01
        9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
        .1000E+01   15  .1000E+01   16  .0000E+00
       17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
       .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
        1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
        .0000E+00    7  .0000E+00    8  .0000E+00
        9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
        .0000E+00   15  .0000E+00   16  .0000E+00
       17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
       .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
        1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
        .0000E+00    7  .0000E+00    8  .0000E+00
        9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
        .0000E+00   15  .0000E+00   16  .0000E+00
       17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
       .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:34:03
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL79 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

FF *** AERMOD - VERSION 23132 *** *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Ops CO\15809 Ops CO. *** 08/28/24

*** AERMET - VERSION 16216 ***

*** ***

13:34:03

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL80 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00

```
4434       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4435      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4436   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
4437    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:34:03
4438
                                    PAGE  84
4439    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4440
4441                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
4442
4443    SOURCE ID = VOL81        ; SOURCE TYPE = VOLUME   :
4444     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
4445    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
4446                                                DAY OF WEEK = WEEKDAY
4447       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
4448       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
4449      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4450                                                DAY OF WEEK = SATURDAY
4451       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4452       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4453      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4454                                                DAY OF WEEK = SUNDAY
4455       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4456       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4457      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4458   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
4459    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:34:03
4460
                                    PAGE  85
4461    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4462
4463                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
4464
4465    SOURCE ID = VOL82        ; SOURCE TYPE = VOLUME   :
4466     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
4467    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
4468                                                DAY OF WEEK = WEEKDAY
4469       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
4470       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
4471      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:34:03

                              PAGE  86
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL83        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:34:03

                              PAGE  87
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL84        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
```

```
 SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - -
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL86 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

FF *** AERMOD - VERSION 23132 *** *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Ops CO\15809 Ops CO. *** 08/28/24

*** AERMET - VERSION 16216 ***

*** ***

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL87 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

```
4587       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4588       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4589      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4590   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
4591    *** AERMET - VERSION  16216 ***
        ***                                                                        ***
        13:34:03
4592
                                    PAGE  91
4593    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4594
4595                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
4596
4597    SOURCE ID = VOL88        ; SOURCE TYPE = VOLUME   :
4598     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
4599    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
4600                                                DAY OF WEEK = WEEKDAY
4601       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
4602       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
4603      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4604                                                DAY OF WEEK = SATURDAY
4605       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4606       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4607      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4608                                                DAY OF WEEK = SUNDAY
4609       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4610       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4611      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4612   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
4613    *** AERMET - VERSION  16216 ***
        ***                                                                        ***
        13:34:03
4614
                                    PAGE  92
4615    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4616
4617                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
4618
4619    SOURCE ID = VOL89        ; SOURCE TYPE = VOLUME   :
4620     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
4621    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
4622                                                DAY OF WEEK = WEEKDAY
4623       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
4624       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
```

```
4625      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4626                                                  DAY OF WEEK = SATURDAY
4627       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
4628       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
4629      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4630                                                  DAY OF WEEK = SUNDAY
4631       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
4632       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
4633      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4634  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
4635   *** AERMET - VERSION  16216 ***
       ***                                                                    ***
       13:34:03
4636
                                  PAGE  93
4637   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4638
4639                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
4640
4641   SOURCE ID = VOL92        ; SOURCE TYPE = VOLUME   :
4642    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
4643  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
4644                                                  DAY OF WEEK = WEEKDAY
4645       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .1000E+01
4646       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .0000E+00
4647      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4648                                                  DAY OF WEEK = SATURDAY
4649       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
4650       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
4651      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4652                                                  DAY OF WEEK = SUNDAY
4653       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
4654       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
4655      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4656  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
4657   *** AERMET - VERSION  16216 ***
       ***                                                                    ***
       13:34:03
4658
                                  PAGE  94
4659   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4660
4661                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
4662
```

```
 SOURCE ID = VOL93        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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                            PAGE  95
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL94        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL95   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL96   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

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   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:34:03

                              PAGE  98
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL97        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:34:03

                              PAGE  99
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL98        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
```

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4778       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
4779      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4780                                                DAY OF WEEK = SATURDAY
4781       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4782       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4783      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4784                                                DAY OF WEEK = SUNDAY
4785       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4786       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4787      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4788  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
4789       *** AERMET - VERSION  16216 ***
           ***                                                                    ***
           13:34:03
4790
                                    PAGE 100
4791       *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4792
4793                         * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                             WEEK (HRDOW) *
4794
4795       SOURCE ID = VOL99        ; SOURCE TYPE = VOLUME   :
4796        HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
           SCALAR   HOUR   SCALAR   HOUR   SCALAR
4797      - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
4798                                                DAY OF WEEK = WEEKDAY
4799       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
4800       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
4801      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4802                                                DAY OF WEEK = SATURDAY
4803       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4804       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4805      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4806                                                DAY OF WEEK = SUNDAY
4807       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4808       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4809      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4810  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
4811       *** AERMET - VERSION  16216 ***
           ***                                                                    ***
           13:34:03
4812
                                    PAGE 101
4813       *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4814
4815                         * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
```

```
                    WEEK (HRDOW) *
4816
4817    SOURCE ID = VOL100       ; SOURCE TYPE = VOLUME   :
4818     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
4819    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
4820                                                DAY OF WEEK = WEEKDAY
4821       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
4822       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
4823      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4824                                                DAY OF WEEK = SATURDAY
4825       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4826       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4827      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4828                                                DAY OF WEEK = SUNDAY
4829       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4830       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4831      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4832    FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
        Ops CO\15809 Ops CO. ***        08/28/24
4833     *** AERMET - VERSION  16216 ***
         ***                                                                    ***
         13:34:03
4834
                                    PAGE 102
4835     *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4836
4837                       * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                           WEEK (HRDOW) *
4838
4839    SOURCE ID = VOL101       ; SOURCE TYPE = VOLUME   :
4840     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
4841    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
4842                                                DAY OF WEEK = WEEKDAY
4843       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
4844       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
4845      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4846                                                DAY OF WEEK = SATURDAY
4847       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4848       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4849      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4850                                                DAY OF WEEK = SUNDAY
4851       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4852       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4853      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL102 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL103 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL107 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - -

```
4931       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
4932       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
4933      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4934                                                DAY OF WEEK = SATURDAY
4935       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4936       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4937      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4938                                                DAY OF WEEK = SUNDAY
4939       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4940       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4941      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4942 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
     Ops CO\15809 Ops CO. ***        08/28/24
4943  *** AERMET - VERSION  16216 ***
      ***                                                                        ***
      13:34:03
4944
                                  PAGE 107
4945  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4946
4947                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
4948
4949  SOURCE ID = VOL109       ; SOURCE TYPE = VOLUME   :
4950   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
      SCALAR   HOUR   SCALAR   HOUR   SCALAR
4951  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
4952                                                DAY OF WEEK = WEEKDAY
4953       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
4954       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
4955      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4956                                                DAY OF WEEK = SATURDAY
4957       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4958       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4959      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4960                                                DAY OF WEEK = SUNDAY
4961       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4962       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4963      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4964 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
     Ops CO\15809 Ops CO. ***        08/28/24
4965  *** AERMET - VERSION  16216 ***
      ***                                                                        ***
      13:34:03
4966
                                  PAGE 108
4967  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
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4968
4969                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                         WEEK (HRDOW) *
4970
4971    SOURCE ID = VOL110       ; SOURCE TYPE = VOLUME   :
4972     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
4973    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
4974                                                DAY OF WEEK = WEEKDAY
4975       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
4976       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
4977      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4978                                                DAY OF WEEK = SATURDAY
4979       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4980       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4981      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4982                                                DAY OF WEEK = SUNDAY
4983       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4984       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4985      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4986    FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
        Ops CO\15809 Ops CO. ***        08/28/24
4987     *** AERMET - VERSION  16216 ***
         ***                                                                    ***
         13:34:03
4988
                                    PAGE 109
4989     *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4990
4991                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                         WEEK (HRDOW) *
4992
4993    SOURCE ID = VOL111       ; SOURCE TYPE = VOLUME   :
4994     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
4995    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
4996                                                DAY OF WEEK = WEEKDAY
4997       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
4998       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
4999      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5000                                                DAY OF WEEK = SATURDAY
5001       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5002       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5003      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5004                                                DAY OF WEEK = SUNDAY
5005       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5006       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
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5007      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5008   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
5009    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:34:03
5010
                                   PAGE 110
5011    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5012
5013                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
5014
5015    SOURCE ID = VOL112       ; SOURCE TYPE = VOLUME   :
5016     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
5017    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
5018                                                DAY OF WEEK = WEEKDAY
5019       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
5020       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
5021      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5022                                                DAY OF WEEK = SATURDAY
5023       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5024       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5025      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5026                                                DAY OF WEEK = SUNDAY
5027       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5028       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5029      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5030   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
5031    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:34:03
5032
                                   PAGE 111
5033    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5034
5035                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
5036
5037    SOURCE ID = VOL113       ; SOURCE TYPE = VOLUME   :
5038     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
5039    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
5040                                                DAY OF WEEK = WEEKDAY
5041       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
5042       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
5043      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5044                                                DAY OF WEEK = SATURDAY
5045       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
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      .0000E+00    7  .0000E+00    8  .0000E+00
5046   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
5047  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
5048                                          DAY OF WEEK = SUNDAY
5049   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
5050   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
5051  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
5052 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
     Ops CO\15809 Ops CO. ***        08/28/24
5053  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:34:03
5054
                                PAGE 112
5055  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5056
5057                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
5058
5059  SOURCE ID = VOL114       ; SOURCE TYPE = VOLUME   :
5060   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
      SCALAR   HOUR   SCALAR   HOUR   SCALAR
5061  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
5062                                          DAY OF WEEK = WEEKDAY
5063   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
5064   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
5065  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
5066                                          DAY OF WEEK = SATURDAY
5067   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
5068   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
5069  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
5070                                          DAY OF WEEK = SUNDAY
5071   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
5072   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
5073  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
5074 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
     Ops CO\15809 Ops CO. ***        08/28/24
5075  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:34:03
5076
                                PAGE 113
5077  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5078
5079                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
5080
5081  SOURCE ID = VOL115       ; SOURCE TYPE = VOLUME   :
5082   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
      SCALAR   HOUR   SCALAR   HOUR   SCALAR
5083  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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    - - - - - - - - - - - - - - - - - - - - -
5084                                                DAY OF WEEK = WEEKDAY
5085       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
5086       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
5087      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5088                                                DAY OF WEEK = SATURDAY
5089       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5090       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5091      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5092                                                DAY OF WEEK = SUNDAY
5093       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5094       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5095      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5096   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
    Ops CO\15809 Ops CO. ***        08/28/24
5097    *** AERMET - VERSION  16216 ***
        ***                                                                          ***
        13:34:03
5098
                                  PAGE 114
5099    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5100
5101                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
5102
5103    SOURCE ID = VOL116       ; SOURCE TYPE = VOLUME   :
5104     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
5105    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
    - - - - - - - - - - - - - - - - - - - - -
5106                                                DAY OF WEEK = WEEKDAY
5107       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
5108       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
5109      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5110                                                DAY OF WEEK = SATURDAY
5111       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5112       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5113      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5114                                                DAY OF WEEK = SUNDAY
5115       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5116       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5117      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5118   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
    Ops CO\15809 Ops CO. ***        08/28/24
5119    *** AERMET - VERSION  16216 ***
        ***                                                                          ***
        13:34:03
5120
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL117 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

FF *** AERMOD - VERSION 23132 *** *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Ops CO\15809 Ops CO. *** 08/28/24

*** AERMET - VERSION 16216 ***

*** ***

13:34:03

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL122 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00

```
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***
 13:34:03

                              PAGE 117
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL123       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***
 13:34:03

                              PAGE 118
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL124       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:34:03

                            PAGE 119
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL125       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
  .1000E+01   15  .1000E+01   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:34:03

                            PAGE 120
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL126       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
```

```
 SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - -
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL128 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

FF *** AERMOD - VERSION 23132 *** *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Ops CO\15809 Ops CO. *** 08/28/24

*** AERMET - VERSION 16216 ***

*** ***

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL129 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

```
5313       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5314       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5315      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
5316   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
5317    *** AERMET - VERSION  16216 ***
        ***                                                                        ***
        13:34:03
5318
                                    PAGE 124
5319    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5320
5321                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
5322
5323    SOURCE ID = VOL130       ; SOURCE TYPE = VOLUME   :
5324     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
5325    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
5326                                                DAY OF WEEK = WEEKDAY
5327       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
5328       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
5329      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
5330                                                DAY OF WEEK = SATURDAY
5331       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5332       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5333      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
5334                                                DAY OF WEEK = SUNDAY
5335       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5336       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5337      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
5338   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
5339    *** AERMET - VERSION  16216 ***
        ***                                                                        ***
        13:34:03
5340
                                    PAGE 125
5341    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5342
5343                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
5344
5345    SOURCE ID = VOL137       ; SOURCE TYPE = VOLUME   :
5346     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
5347    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
5348                                                DAY OF WEEK = WEEKDAY
5349       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
5350       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
```

```
5351      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5352                                                DAY OF WEEK = SATURDAY
5353       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
5354       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
5355      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5356                                                DAY OF WEEK = SUNDAY
5357       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
5358       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
5359      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5360   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
5361    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:34:03
5362
                                    PAGE 126
5363    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5364
5365                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
5366
5367    SOURCE ID = VOL138       ; SOURCE TYPE = VOLUME   :
5368     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
5369   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
5370                                                DAY OF WEEK = WEEKDAY
5371       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .1000E+01
5372       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .0000E+00
5373      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5374                                                DAY OF WEEK = SATURDAY
5375       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
5376       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
5377      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5378                                                DAY OF WEEK = SUNDAY
5379       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
5380       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
5381      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5382   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
5383    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:34:03
5384
                                    PAGE 127
5385    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5386
5387                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
5388
```

```
 SOURCE ID = VOL139       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:34:03

                            PAGE 128
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL140       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL141   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL142   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

```
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:34:03

                              PAGE 131
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL144       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:34:03

                              PAGE 132
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL152       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
```

```
5504       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
5505      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
5506                                                DAY OF WEEK = SATURDAY
5507       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5508       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5509      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
5510                                                DAY OF WEEK = SUNDAY
5511       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5512       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5513      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
5514   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
5515    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:34:03
5516
                                    PAGE 133
5517    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5518
5519                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
5520
5521    SOURCE ID = VOL153       ; SOURCE TYPE = VOLUME   :
5522     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
        SCALAR   HOUR   SCALAR   HOUR   SCALAR
5523    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
5524                                                DAY OF WEEK = WEEKDAY
5525       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
5526       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
5527      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
5528                                                DAY OF WEEK = SATURDAY
5529       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5530       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5531      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
5532                                                DAY OF WEEK = SUNDAY
5533       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5534       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5535      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
5536   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
5537    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:34:03
5538
                                    PAGE 134
5539    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5540
5541                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
```

```
                    WEEK (HRDOW) *
5542
5543    SOURCE ID = VOL154       ; SOURCE TYPE = VOLUME   :
5544     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
5545    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
5546                                                DAY OF WEEK = WEEKDAY
5547       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
5548       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
5549      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5550                                                DAY OF WEEK = SATURDAY
5551       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5552       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5553      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5554                                                DAY OF WEEK = SUNDAY
5555       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5556       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5557      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5558    FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
        Ops CO\15809 Ops CO. ***        08/28/24
5559     *** AERMET - VERSION  16216 ***
         ***                                                                    ***
         13:34:03
5560
                                    PAGE 135
5561    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5562
5563                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
5564
5565    SOURCE ID = VOL155       ; SOURCE TYPE = VOLUME   :
5566     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
5567    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
5568                                                DAY OF WEEK = WEEKDAY
5569       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
5570       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
5571      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5572                                                DAY OF WEEK = SATURDAY
5573       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5574       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5575      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5576                                                DAY OF WEEK = SUNDAY
5577       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5578       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5579      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL156 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL157 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14

```
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:34:03

                                PAGE 138
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL158       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:34:03

                                PAGE 139
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL159       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
```

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5657       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
5658       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
5659      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5660                                              DAY OF WEEK = SATURDAY
5661       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5662       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5663      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5664                                              DAY OF WEEK = SUNDAY
5665       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5666       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5667      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5668 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
     Ops CO\15809 Ops CO. ***        08/28/24
5669  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:34:03
5670
                                  PAGE 140
5671  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5672
5673                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
5674
5675  SOURCE ID = VOL160       ; SOURCE TYPE = VOLUME   :
5676   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
      SCALAR   HOUR   SCALAR   HOUR   SCALAR
5677  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
5678                                              DAY OF WEEK = WEEKDAY
5679       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
5680       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
5681      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5682                                              DAY OF WEEK = SATURDAY
5683       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5684       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5685      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5686                                              DAY OF WEEK = SUNDAY
5687       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5688       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5689      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5690 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
     Ops CO\15809 Ops CO. ***        08/28/24
5691  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:34:03
5692
                                  PAGE 141
5693  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
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5694
5695                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
5696
5697    SOURCE ID = VOL161       ; SOURCE TYPE = VOLUME   :
5698     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
5699    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
5700                                                DAY OF WEEK = WEEKDAY
5701       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
5702       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
5703      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5704                                                DAY OF WEEK = SATURDAY
5705       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5706       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5707      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5708                                                DAY OF WEEK = SUNDAY
5709       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5710       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5711      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5712    FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
        Ops CO\15809 Ops CO. ***        08/28/24
5713     *** AERMET - VERSION  16216 ***
         ***                                                                    ***
         13:34:03
5714
                                    PAGE 142
5715     *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5716
5717                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
5718
5719    SOURCE ID = VOL164       ; SOURCE TYPE = VOLUME   :
5720     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
5721    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
5722                                                DAY OF WEEK = WEEKDAY
5723       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
5724       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
5725      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5726                                                DAY OF WEEK = SATURDAY
5727       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5728       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5729      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5730                                                DAY OF WEEK = SUNDAY
5731       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5732       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
```

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:34:03

                                PAGE 143
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL165       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - -
                                             DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:34:03

                                PAGE 144
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                    (METERS)

     ( 496491.3, 3767684.6,     836.3,    1522.0,       2.0);         ( 496509.6,
     3767701.3,     837.5,    1522.0,       2.0);
     ( 496521.2, 3767712.1,     838.2,    1522.0,       2.0);         ( 496534.5,
     3767724.3,     839.1,    1522.0,       2.0);
     ( 496563.4, 3767745.6,     840.0,    1522.0,       2.0);         ( 496575.5,
     3767754.3,     840.5,    1522.0,       2.0);
     ( 496589.5, 3767762.6,     840.7,    1522.0,       2.0);         ( 496604.9,
     3767771.6,     840.9,    1522.0,       2.0);
     ( 496619.4, 3767780.2,     841.1,    1522.0,       2.0);         ( 496633.1,
     3767787.0,     841.5,    1522.0,       2.0);
     ( 496647.9, 3767797.3,     842.7,    1522.0,       2.0);         ( 496661.0,
     3767803.9,     843.9,    1522.0,       2.0);
     ( 496675.7, 3767812.1,     844.7,    1522.0,       2.0);         ( 496691.0,
```

```
      3767821.9,     845.6,    1522.0,       2.0);
5772  ( 496703.2, 3767832.6,     846.8,    1522.0,       2.0);         ( 496717.5,
      3767837.2,     847.8,    1522.0,       2.0);
5773  ( 496731.8, 3767845.2,     848.7,    1522.0,       2.0);         ( 496744.7,
      3767855.9,     849.5,    1522.0,       2.0);
5774  ( 496759.5, 3767861.5,     850.1,    1522.0,       2.0);         ( 496789.1,
      3767879.0,     851.7,    1522.0,       2.0);
5775  ( 496845.4, 3767943.8,     853.6,    1708.0,       2.0);         ( 496884.5,
      3767947.2,     855.0,    1708.0,       2.0);
5776  ( 497023.0, 3767549.1,     856.3,    1522.0,       2.0);         ( 496976.9,
      3767441.9,     855.4,    1522.0,       2.0);
5777  ( 496745.3, 3767481.3,     842.8,    1522.0,       2.0);         ( 496485.9,
      3767499.6,     829.0,    1522.0,       2.0);
5778  ( 496274.0, 3767438.7,     819.9,    1522.0,       2.0);         ( 496184.7,
      3767504.2,     818.3,    1522.0,       2.0);
5779  ( 496192.5, 3767584.9,     819.7,    1522.0,
      2.0);
5780  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
5781   *** AERMET - VERSION  16216 ***
       ***                                                                    ***
       13:34:03
5782
                                  PAGE 145
5783   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5784
5785                                          *** METEOROLOGICAL DAYS SELECTED FOR
                                               PROCESSING ***
5786                                                        (1=YES; 0=NO)
5787
5788            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
               1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
5789            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
               1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
5790            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
               1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
5791            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
               1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
5792            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
               1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
5793            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
               1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
5794            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
               1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
5795            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1
5796
5797               NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT
                   IS INCLUDED IN THE DATA FILE.
5798
5799
5800
5801                                  *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED
                                      CATEGORIES ***
5802                                                   (METERS/SEC)
5803
5804                                                1.54,   3.09,   5.14,   8.23,  10.80,
5805  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
5806   *** AERMET - VERSION  16216 ***
       ***                                                                    ***
       13:34:03
5807
                                  PAGE 146
5808   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5809
5810                                     *** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA
```

Surface file:
..\RDLD_V9_ADJU\RDLD_v9.SFC
Met Version: 16216
Profile file:
..\RDLD_V9_ADJU\RDLD_v9.PFL
Surface format:
FREE

Profile format:
FREE

Surface station no.: 3171 Upper air station no.: 3190
Name: UNKNOWN Name:
UNKNOWN
Year: 2012 Year: 2012

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
12	01	01	1	01	-10.6	0.149	-9.000	-999.	138.	26.7	0.32	3.22	1.00	1.30	110.	9.1	285.4	5.5
12	01	01	1	02	-5.0	0.102	-9.000	-999.	78.	17.9	0.32	3.22	1.00	0.90	130.	9.1	284.5	5.5
12	01	01	1	03	-5.0	0.102	-9.000	-999.	78.	17.9	0.32	3.22	1.00	0.90	100.	9.1	285.0	5.5
12	01	01	1	04	-5.0	0.102	-9.000	-999.	78.	17.9	0.32	3.22	1.00	0.90	107.	9.1	284.6	5.5
12	01	01	1	05	-10.7	0.149	-9.000	-999.	138.	26.7	0.32	3.22	1.00	1.30	98.	9.1	284.9	5.5
12	01	01	1	06	-5.0	0.102	-9.000	-999.	78.	17.9	0.32	3.22	1.00	0.90	86.	9.1	284.5	5.5
12	01	01	1	07	-5.0	0.102	-9.000	-999.	78.	17.9	0.32	3.22	1.00	0.90	91.	9.1	284.0	5.5
12	01	01	1	08	-4.0	0.102	-9.000	-999.	78.	22.9	0.32	3.22	0.54	0.90	107.	9.1	285.0	5.5
12	01	01	1	09	44.6	0.237	0.382	0.006	43.	276.	-25.6	0.15	3.22	0.33	2.10	81.	10.1	289.1	5.5
12	01	01	1	10	134.3	0.111	0.882	0.008	176.	99.	-1.0	0.32	3.22	0.26	0.40	72.	9.1	295.1	5.5
12	01	01	1	11	199.8	0.409	1.429	0.005	503.	627.	-29.4	0.15	3.22	0.23	3.68	78.	10.1	297.9	5.5
12	01	01	1	12	232.3	0.300	1.889	0.005	999.	402.	-10.0	0.32	3.22	0.22	1.80	333.	9.1	299.4	5.5
12	01	01	1	13	230.0	0.300	2.134	0.005	1453.	394.	-10.1	0.32	3.22	0.22	1.80	72.	9.1	300.4	5.5
12	01	01	1	14	194.0	0.294	2.109	0.005	1663.	382.	-11.2	0.32	3.22	0.24	1.80	277.	9.1	301.0	5.5
12	01	01	1	15	126.3	0.378	1.872	0.005	1784.	557.	-36.5	0.32	3.22	0.27	2.70	243.	9.1	301.0	5.5
12	01	01	1	16	39.5	0.199	1.278	0.005	1817.	240.	-17.2	0.32	3.22	0.36	1.30	274.	9.1	300.1	5.5
12	01	01	1	17	-4.7	0.101	-9.000	-9.000	-999.	85.	19.0	0.32	3.22	0.65	0.90	252.	9.1	298.2	5.5
12	01	01	1	18	-4.9	0.102	-9.000	-9.000	-999.	78.	18.2	0.32	3.22	1.00	0.90	116.	9.1	296.4	5.5
12	01	01	1	19	-18.8	0.204	-9.000	-9.000	-999.	220.	45.6	0.15	3.22	1.00	2.27	79.	10.1	292.2	5.5
12	01	01	1	20	-5.0	0.102	-9.000	-9.000	-999.	83.	18.1	0.32	3.22	1.00	0.90	95.	9.1	290.2	5.5
12	01	01	1	21	-5.0	0.102	-9.000	-9.000	-999.	78.	18.0	0.32	3.22	1.00	0.90	99.	9.1	287.8	5.5
12	01	01	1	22	-5.0	0.102	-9.000	-9.000	-999.	78.	18.0	0.32	3.22	1.00

```
 0.90  110.    9.1  287.6    5.5
 12 01 01   1 23  -10.6  0.149 -9.000 -9.000 -999.  138.     26.8  0.32   3.22   1.00
 1.30   89.    9.1  287.2    5.5
 12 01 01   1 24   -5.0  0.102 -9.000 -9.000 -999.   78.     17.9  0.32   3.22   1.00
 0.90  105.    9.1  285.9    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 12 01 01 01    5.5 0 -999.  -99.00   285.5   99.0  -99.00  -99.00
 12 01 01 01    9.1 1  110.    1.30  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:34:03

                              PAGE 147
*** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES
                              FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     VOL1        , VOL2        ,
                                  VOL3        , VOL4        , VOL5        ,
                 VOL6        , VOL7        , VOL8        , VOL9        , VOL10       ,
                 VOL11       , VOL13       , VOL14       ,
                 VOL15       , VOL16       , VOL17       , VOL18       , VOL19       ,
                 VOL20       , VOL21       , VOL22       ,
                 VOL23       , VOL24       , VOL25       , VOL26       , VOL27       ,
                 VOL28       , VOL29       ,  . . .      ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                     ** CONC OF CO       IN
                                     MICROGRAMS/M**3                          **

     X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
     Y-COORD (M)        CONC     (YYMMDDHH)
- - - -
```

```
          496745.27   3767481.35       35.17443  (15021008)                496485.87
          3767499.65       34.31462  (15021008)
          496273.95   3767438.73       12.85826  (12121315)                496184.72
          3767504.22       10.48601  (12110208)
          496192.45   3767584.87       18.60688
          (12110208)

FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:34:03

                                PAGE 148
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  8-HR AVERAGE CONCENTRATION   VALUES
                                FOR SOURCE GROUP:  ALL      ***
                                    INCLUDING SOURCE(S):     VOL1        , VOL2        ,
                                    VOL3        , VOL4        , VOL5        ,
                  VOL6        , VOL7        , VOL8        , VOL9        , VOL10       ,
                  VOL11       , VOL13       , VOL14       ,
                  VOL15       , VOL16       , VOL17       , VOL18       , VOL19       ,
                  VOL20       , VOL21       , VOL22       ,
                  VOL23       , VOL24       , VOL25       , VOL26       , VOL27       ,
                  VOL28       , VOL29       ,  . . .      ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                   ** CONC OF CO       IN
                                   MICROGRAMS/M**3                          **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
      Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - - - -
          496491.32   3767684.64       19.05668  (14121216)                496509.63
          3767701.31       20.31152  (14121216)
          496521.17   3767712.07       20.55544  (16010616)                496534.49
          3767724.30       20.45609  (16010616)
          496563.40   3767745.58       19.19514  (16010616)                496575.48
          3767754.30       18.79786  (16010616)
          496589.51   3767762.56       18.74784  (13121916)                496604.86
          3767771.60       18.50421  (13121916)
          496619.43   3767780.25       18.18847  (13121916)                496633.15
          3767787.03       18.68942  (13121916)
          496647.88   3767797.32       18.79174  (13121916)                496661.05
          3767803.94       19.38132  (13121916)
          496675.70   3767812.13       18.51812  (13121916)                496691.05
          3767821.95       16.93257  (13121916)
          496703.21   3767832.62       15.62782  (13100916)                496717.55
          3767837.22       15.82316  (13100916)
          496731.81   3767845.25       14.58020  (13100916)                496744.74
          3767855.92       13.09061  (13100916)
          496759.47   3767861.53       12.28401  (13100916)                496789.08
          3767878.99        7.24629  (13021916)
          496845.37   3767943.79        2.90940  (12101116)                496884.55
          3767947.23        2.24040  (12101116)
          497022.97   3767549.13        4.43048  (12042316)                496976.92
          3767441.88        3.24287  (13110416)
          496745.27   3767481.35        9.33477  (15122816)                496485.87
          3767499.65       10.82869  (12121316)
          496273.95   3767438.73        2.40496  (12121316)                496184.72
          3767504.22        1.75609  (12121316)
          496192.45   3767584.87        2.65813c
          (12110208)
```

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF CO IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	NETWORK RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID
ALL	HIGH 1ST HIGH VALUE IS 58.78873	ON 12110208:	AT (496491.32, 3767684.64, 836.32, 1522.00, 2.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** THE SUMMARY OF HIGHEST 8-HR RESULTS ***

** CONC OF CO IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	NETWORK RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID
ALL	HIGH 1ST HIGH VALUE IS 20.55544	ON 16010616:	AT (496521.17, 3767712.07, 838.23, 1522.00, 2.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART

```
                     DP = DISCPOLR
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                                  ***
 13:34:03

                                PAGE 151
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

 *** Message Summary : AERMOD Model Execution ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of          388 Informational Message(s)

 A Total of        43848 Hours Were Processed

 A Total of          191 Calm Hours Identified

 A Total of          197 Missing Hours Identified (  0.45 Percent)


    ******** FATAL ERROR MESSAGES ********
                ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W186    2378       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold
 used           0.50
 ME W187    2378       MEOPEN: ADJ_U* Option for Stable Low Winds used in
 AERMET

    ***********************************
    *** AERMOD Finishes Successfully ***
    ***********************************
```

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 8/28/2024
** File: C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Const NOx\15809 Const NOx.ADI
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** AERMOD Control Pathway
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**
**
CO STARTING
   TITLEONE C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Ops CO\15809 Ops CO.
   MODELOPT DFAULT CONC
   AVERTIME 1
   URBANOPT 2035210 San_Bernardino_County
   POLLUTID NOX
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "15809 Const NOx.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
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**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     496472.620  3767547.290      830.120
   LOCATION VOL2         VOLUME     496495.514  3767547.297      831.070
   LOCATION VOL3         VOLUME     496541.322  3767547.282      833.810
   LOCATION VOL4         VOLUME     496518.428  3767547.276      832.290
   LOCATION VOL5         VOLUME     496564.249  3767547.271      835.340
   LOCATION VOL6         VOLUME     496587.143  3767547.277      837.220
   LOCATION VOL7         VOLUME     496610.057  3767547.256      838.820
   LOCATION VOL8         VOLUME     496632.951  3767547.263      839.830
   LOCATION VOL9         VOLUME     496747.555  3767547.242      842.940
   LOCATION VOL10        VOLUME     496770.449  3767547.249      844.590
   LOCATION VOL11        VOLUME     496793.363  3767547.228      846.080
   LOCATION VOL13        VOLUME     496724.628  3767547.254      842.460
   LOCATION VOL14        VOLUME     496701.734  3767547.247      841.360
   LOCATION VOL15        VOLUME     496678.820  3767547.268      840.740
   LOCATION VOL16        VOLUME     496655.926  3767547.261      840.600
   LOCATION VOL17        VOLUME     496793.345  3767570.508      846.500
   LOCATION VOL18        VOLUME     496770.431  3767570.529      845.110
   LOCATION VOL19        VOLUME     496747.537  3767570.523      843.280
   LOCATION VOL20        VOLUME     496724.610  3767570.534      843.170
   LOCATION VOL21        VOLUME     496701.716  3767570.528      842.530
   LOCATION VOL22        VOLUME     496678.802  3767570.549      842.090
   LOCATION VOL23        VOLUME     496632.933  3767570.544      841.220
   LOCATION VOL24        VOLUME     496655.908  3767570.542      841.880
   LOCATION VOL25        VOLUME     496610.039  3767570.537      839.800
   LOCATION VOL26        VOLUME     496587.125  3767570.558      838.340
   LOCATION VOL27        VOLUME     496564.231  3767570.551      836.860
   LOCATION VOL28        VOLUME     496541.304  3767570.563      835.220
   LOCATION VOL29        VOLUME     496518.410  3767570.556      833.690
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     LOCATION VOL34        VOLUME     496747.392  3767593.640      844.750
     LOCATION VOL35        VOLUME     496724.465  3767593.652      844.050
     LOCATION VOL36        VOLUME     496701.571  3767593.645      843.290
     LOCATION VOL37        VOLUME     496678.657  3767593.666      842.560
     LOCATION VOL38        VOLUME     496632.788  3767593.661      841.920
     LOCATION VOL39        VOLUME     496655.763  3767593.659      841.990
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     LOCATION VOL41        VOLUME     496586.980  3767593.676      839.440
     LOCATION VOL42        VOLUME     496564.086  3767593.669      838.230
     LOCATION VOL43        VOLUME     496541.159  3767593.680      836.000
     LOCATION VOL44        VOLUME     496518.265  3767593.674      834.450
     LOCATION VOL45        VOLUME     496495.351  3767593.695      832.920
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     LOCATION VOL79        VOLUME     496747.284  3767663.344      846.140
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    LOCATION VOL154       VOLUME     496746.790  3767779.031      847.780
    LOCATION VOL155       VOLUME     496723.863  3767779.042      846.320
    LOCATION VOL156       VOLUME     496700.969  3767779.036      844.230
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    LOCATION VOL161       VOLUME     496723.648  3767802.241      847.000
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   SRCPARAM VOL164       0.0043385185     5.000     5.309     1.400
   SRCPARAM VOL165       0.0043385185     5.000     5.309     1.400
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL1         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL2         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL2         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL3         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL4         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL5         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL6         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL7         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL8         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL9         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL10        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL11        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL13        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL14        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL15        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL16        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Saturday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL17        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL18        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL19        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL20        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL21        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL22        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL23        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL24        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL25        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL25        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL26        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL27        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL28        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL29        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL30        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL31        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL32        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL33        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL34        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL35        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL36        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL37        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL38        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Saturday:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL39        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL40        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL41        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL42        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL43        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL44        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL45        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL46        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL47        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL47        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL48        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL49        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL50        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL51        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL52        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL53        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL54        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL55        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL56        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL57        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL58        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL59        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL60        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Saturday:
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL62        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL63        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL64        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL65        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL66        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL67        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL68        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL69        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL70        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL70        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL71        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL72        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL73        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL74        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL77        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL78        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL79        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL80        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL81        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL82        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL83        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL84        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL85        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Saturday:
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL86        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL87        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL88        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL89        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL92        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL93        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL94        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL95        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL96        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL96        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL97        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL98        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL99        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL100       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL101       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL102       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL103       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL107       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL108       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL109       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL110       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL111       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL112       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Saturday:
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL113       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL114       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL115       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL116       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL117       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL122       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL123       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL124       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL125       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL125       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL126       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL127       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL128       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL129       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL130       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL137       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL138       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL139       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL140       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL141       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL142       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL144       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL152       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL152       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

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** Saturday:
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL153       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL153       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL154       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL154       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL155       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL156       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL157       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL158       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL159       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL160       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL161       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL161       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL164       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL165       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
**********************************
** AERMOD Receptor Pathway
**********************************
**
**
RE STARTING
   INCLUDED "15809 Const NOx.rou"
RE FINISHED
**
**********************************
** AERMOD Meteorology Pathway
**********************************
**
**
ME STARTING
   SURFFILE ..\RDLD_V9_ADJU\RDLD_v9.SFC
   PROFFILE ..\RDLD_V9_ADJU\RDLD_v9.PFL
   SURFDATA 3171 2012
   UAIRDATA 3190 2012
   SITEDATA 99999 2012
```

```
   PROFBASE 481.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "15809 CONST NOX.AD\01H1GALL.PLT" 31
   SUMMFILE "15809 Const NOx.sum"
OU FINISHED
**
**************************************
** Project Parameters
**************************************
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    North American Datum 1983
** DTMRGN   CONUS
** UNITS    m
** ZONE     11
** ZONEINX  0
**

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**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 8/28/2024
** File: C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Const NOx\15809 Const NOx.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Ops CO\15809 Ops CO.
   MODELOPT DFAULT CONC
   AVERTIME 1
   URBANOPT 2035210 San_Bernardino_County
   POLLUTID NOX
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "15809 Const NOx.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     496472.620  3767547.290      830.120
   LOCATION VOL2         VOLUME     496495.514  3767547.297      831.070
   LOCATION VOL3         VOLUME     496541.322  3767547.282      833.810
   LOCATION VOL4         VOLUME     496518.428  3767547.276      832.290
   LOCATION VOL5         VOLUME     496564.249  3767547.271      835.340
   LOCATION VOL6         VOLUME     496587.143  3767547.277      837.220
   LOCATION VOL7         VOLUME     496610.057  3767547.256      838.820
   LOCATION VOL8         VOLUME     496632.951  3767547.263      839.830
   LOCATION VOL9         VOLUME     496747.555  3767547.242      842.940
   LOCATION VOL10        VOLUME     496770.449  3767547.249      844.590
   LOCATION VOL11        VOLUME     496793.363  3767547.228      846.080
   LOCATION VOL13        VOLUME     496724.628  3767547.254      842.460
   LOCATION VOL14        VOLUME     496701.734  3767547.247      841.360
   LOCATION VOL15        VOLUME     496678.820  3767547.268      840.740
   LOCATION VOL16        VOLUME     496655.926  3767547.261      840.600
   LOCATION VOL17        VOLUME     496793.345  3767570.508      846.500
   LOCATION VOL18        VOLUME     496770.431  3767570.529      845.110
   LOCATION VOL19        VOLUME     496747.537  3767570.523      843.280
   LOCATION VOL20        VOLUME     496724.610  3767570.534      843.170
   LOCATION VOL21        VOLUME     496701.716  3767570.528      842.530
   LOCATION VOL22        VOLUME     496678.802  3767570.549      842.090
   LOCATION VOL23        VOLUME     496632.933  3767570.544      841.220
   LOCATION VOL24        VOLUME     496655.908  3767570.542      841.880
   LOCATION VOL25        VOLUME     496610.039  3767570.537      839.800
   LOCATION VOL26        VOLUME     496587.125  3767570.558      838.340
   LOCATION VOL27        VOLUME     496564.231  3767570.551      836.860
   LOCATION VOL28        VOLUME     496541.304  3767570.563      835.220
   LOCATION VOL29        VOLUME     496518.410  3767570.556      833.690
   LOCATION VOL30        VOLUME     496495.496  3767570.577      832.160
   LOCATION VOL31        VOLUME     496472.602  3767570.571      830.850
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     LOCATION VOL32        VOLUME     496793.200  3767593.626      846.830
     LOCATION VOL33        VOLUME     496770.286  3767593.647      845.610
     LOCATION VOL34        VOLUME     496747.392  3767593.640      844.750
     LOCATION VOL35        VOLUME     496724.465  3767593.652      844.050
     LOCATION VOL36        VOLUME     496701.571  3767593.645      843.290
     LOCATION VOL37        VOLUME     496678.657  3767593.666      842.560
     LOCATION VOL38        VOLUME     496632.788  3767593.661      841.920
     LOCATION VOL39        VOLUME     496655.763  3767593.659      841.990
     LOCATION VOL40        VOLUME     496609.894  3767593.654      840.560
     LOCATION VOL41        VOLUME     496586.980  3767593.676      839.440
     LOCATION VOL42        VOLUME     496564.086  3767593.669      838.230
     LOCATION VOL43        VOLUME     496541.159  3767593.680      836.000
     LOCATION VOL44        VOLUME     496518.265  3767593.674      834.450
     LOCATION VOL45        VOLUME     496495.351  3767593.695      832.920
     LOCATION VOL46        VOLUME     496472.457  3767593.688      831.420
     LOCATION VOL47        VOLUME     496793.307  3767616.825      847.260
     LOCATION VOL48        VOLUME     496770.394  3767616.846      846.360
     LOCATION VOL49        VOLUME     496747.500  3767616.839      845.600
     LOCATION VOL50        VOLUME     496724.573  3767616.851      844.830
     LOCATION VOL51        VOLUME     496701.678  3767616.844      844.070
     LOCATION VOL52        VOLUME     496678.765  3767616.865      843.310
     LOCATION VOL53        VOLUME     496632.896  3767616.860      842.060
     LOCATION VOL54        VOLUME     496655.871  3767616.858      842.590
     LOCATION VOL55        VOLUME     496610.001  3767616.853      841.120
     LOCATION VOL56        VOLUME     496587.088  3767616.874      839.950
     LOCATION VOL57        VOLUME     496564.194  3767616.868      838.670
     LOCATION VOL58        VOLUME     496541.267  3767616.879      837.440
     LOCATION VOL59        VOLUME     496518.372  3767616.872      835.420
     LOCATION VOL60        VOLUME     496495.459  3767616.894      833.700
     LOCATION VOL62        VOLUME     496793.200  3767640.023      847.890
     LOCATION VOL63        VOLUME     496770.286  3767640.045      846.980
     LOCATION VOL64        VOLUME     496747.392  3767640.038      845.900
     LOCATION VOL65        VOLUME     496724.465  3767640.049      845.140
     LOCATION VOL66        VOLUME     496701.571  3767640.043      844.380
     LOCATION VOL67        VOLUME     496678.657  3767640.064      843.610
     LOCATION VOL68        VOLUME     496632.788  3767640.059      842.080
     LOCATION VOL69        VOLUME     496655.763  3767640.057      842.850
     LOCATION VOL70        VOLUME     496609.894  3767640.052      841.640
     LOCATION VOL71        VOLUME     496586.980  3767640.073      840.580
     LOCATION VOL72        VOLUME     496564.086  3767640.066      839.160
     LOCATION VOL73        VOLUME     496541.159  3767640.078      838.040
     LOCATION VOL74        VOLUME     496518.265  3767640.071      836.140
     LOCATION VOL77        VOLUME     496793.092  3767663.330      848.430
     LOCATION VOL78        VOLUME     496770.178  3767663.351      847.410
     LOCATION VOL79        VOLUME     496747.284  3767663.344      846.140
     LOCATION VOL80        VOLUME     496724.357  3767663.356      845.380
     LOCATION VOL81        VOLUME     496701.463  3767663.349      844.460
     LOCATION VOL82        VOLUME     496678.549  3767663.371      843.610
     LOCATION VOL83        VOLUME     496632.680  3767663.365      842.080
     LOCATION VOL84        VOLUME     496655.655  3767663.364      842.850
     LOCATION VOL85        VOLUME     496609.786  3767663.359      842.000
     LOCATION VOL86        VOLUME     496586.872  3767663.380      841.110
     LOCATION VOL87        VOLUME     496563.978  3767663.373      839.580
     LOCATION VOL88        VOLUME     496541.051  3767663.385      838.050
     LOCATION VOL89        VOLUME     496518.157  3767663.378      836.700
     LOCATION VOL92        VOLUME     496793.092  3767686.421      848.430
     LOCATION VOL93        VOLUME     496770.178  3767686.442      847.660
     LOCATION VOL94        VOLUME     496747.284  3767686.435      846.900
     LOCATION VOL95        VOLUME     496724.357  3767686.447      846.140
     LOCATION VOL96        VOLUME     496701.463  3767686.440      844.750
     LOCATION VOL97        VOLUME     496678.549  3767686.461      843.610
     LOCATION VOL98        VOLUME     496632.680  3767686.456      842.080
     LOCATION VOL99        VOLUME     496655.655  3767686.455      842.850
     LOCATION VOL100       VOLUME     496609.786  3767686.450      841.990
     LOCATION VOL101       VOLUME     496586.872  3767686.471      841.100
     LOCATION VOL102       VOLUME     496563.978  3767686.464      839.580
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    LOCATION VOL103       VOLUME     496541.051  3767686.476      838.060
    LOCATION VOL107       VOLUME     496793.092  3767709.512      848.430
    LOCATION VOL108       VOLUME     496770.178  3767709.533      847.660
    LOCATION VOL109       VOLUME     496747.284  3767709.526      846.900
    LOCATION VOL110       VOLUME     496724.357  3767709.538      846.140
    LOCATION VOL111       VOLUME     496701.463  3767709.531      844.750
    LOCATION VOL112       VOLUME     496678.549  3767709.552      843.610
    LOCATION VOL113       VOLUME     496632.680  3767709.547      842.080
    LOCATION VOL114       VOLUME     496655.655  3767709.546      842.850
    LOCATION VOL115       VOLUME     496609.786  3767709.540      841.470
    LOCATION VOL116       VOLUME     496586.872  3767709.562      840.670
    LOCATION VOL117       VOLUME     496563.978  3767709.555      839.740
    LOCATION VOL122       VOLUME     496792.876  3767732.711      848.650
    LOCATION VOL123       VOLUME     496769.962  3767732.732      847.660
    LOCATION VOL124       VOLUME     496747.068  3767732.725      846.890
    LOCATION VOL125       VOLUME     496724.141  3767732.737      846.130
    LOCATION VOL126       VOLUME     496701.247  3767732.730      844.730
    LOCATION VOL127       VOLUME     496678.333  3767732.751      843.380
    LOCATION VOL128       VOLUME     496632.464  3767732.746      841.520
    LOCATION VOL129       VOLUME     496655.439  3767732.744      842.290
    LOCATION VOL130       VOLUME     496609.570  3767732.739      840.760
    LOCATION VOL137       VOLUME     496792.768  3767755.909      849.020
    LOCATION VOL138       VOLUME     496769.854  3767755.931      847.980
    LOCATION VOL139       VOLUME     496746.960  3767755.924      847.180
    LOCATION VOL140       VOLUME     496724.033  3767755.935      846.170
    LOCATION VOL141       VOLUME     496701.139  3767755.929      844.520
    LOCATION VOL142       VOLUME     496678.225  3767755.950      843.000
    LOCATION VOL144       VOLUME     496655.331  3767755.943      841.840
    LOCATION VOL152       VOLUME     496792.598  3767779.016      849.410
    LOCATION VOL153       VOLUME     496769.685  3767779.038      848.650
    LOCATION VOL154       VOLUME     496746.790  3767779.031      847.780
    LOCATION VOL155       VOLUME     496723.863  3767779.042      846.320
    LOCATION VOL156       VOLUME     496700.969  3767779.036      844.230
    LOCATION VOL157       VOLUME     496678.056  3767779.057      842.790
    LOCATION VOL158       VOLUME     496792.382  3767802.215      849.400
    LOCATION VOL159       VOLUME     496769.469  3767802.236      848.640
    LOCATION VOL160       VOLUME     496746.575  3767802.230      847.860
    LOCATION VOL161       VOLUME     496723.648  3767802.241      847.000
    LOCATION VOL164       VOLUME     496792.382  3767825.198      850.040
    LOCATION VOL165       VOLUME     496769.469  3767825.219      849.280
** Source Parameters **
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    SRCPARAM VOL3         0.0043385185     5.000     5.309     1.400
    SRCPARAM VOL4         0.0043385185     5.000     5.309     1.400
    SRCPARAM VOL5         0.0043385185     5.000     5.309     1.400
    SRCPARAM VOL6         0.0043385185     5.000     5.309     1.400
    SRCPARAM VOL7         0.0043385185     5.000     5.309     1.400
    SRCPARAM VOL8         0.0043385185     5.000     5.309     1.400
    SRCPARAM VOL9         0.0043385185     5.000     5.309     1.400
    SRCPARAM VOL10        0.0043385185     5.000     5.309     1.400
    SRCPARAM VOL11        0.0043385185     5.000     5.309     1.400
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    SRCPARAM VOL20        0.0043385185     5.000     5.309     1.400
    SRCPARAM VOL21        0.0043385185     5.000     5.309     1.400
    SRCPARAM VOL22        0.0043385185     5.000     5.309     1.400
    SRCPARAM VOL23        0.0043385185     5.000     5.309     1.400
    SRCPARAM VOL24        0.0043385185     5.000     5.309     1.400
    SRCPARAM VOL25        0.0043385185     5.000     5.309     1.400
    SRCPARAM VOL26        0.0043385185     5.000     5.309     1.400
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237      SRCPARAM VOL66        0.0043385185     5.000     5.309     1.400
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243      SRCPARAM VOL72        0.0043385185     5.000     5.309     1.400
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252      SRCPARAM VOL83        0.0043385185     5.000     5.309     1.400
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   SRCPARAM VOL110       0.0043385185     5.000     5.309     1.400
   SRCPARAM VOL111       0.0043385185     5.000     5.309     1.400
   SRCPARAM VOL112       0.0043385185     5.000     5.309     1.400
   SRCPARAM VOL113       0.0043385185     5.000     5.309     1.400
   SRCPARAM VOL114       0.0043385185     5.000     5.309     1.400
   SRCPARAM VOL115       0.0043385185     5.000     5.309     1.400
   SRCPARAM VOL116       0.0043385185     5.000     5.309     1.400
   SRCPARAM VOL117       0.0043385185     5.000     5.309     1.400
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   SRCPARAM VOL123       0.0043385185     5.000     5.309     1.400
   SRCPARAM VOL124       0.0043385185     5.000     5.309     1.400
   SRCPARAM VOL125       0.0043385185     5.000     5.309     1.400
   SRCPARAM VOL126       0.0043385185     5.000     5.309     1.400
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   SRCPARAM VOL129       0.0043385185     5.000     5.309     1.400
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   SRCPARAM VOL159       0.0043385185     5.000     5.309     1.400
   SRCPARAM VOL160       0.0043385185     5.000     5.309     1.400
   SRCPARAM VOL161       0.0043385185     5.000     5.309     1.400
   SRCPARAM VOL164       0.0043385185     5.000     5.309     1.400
   SRCPARAM VOL165       0.0043385185     5.000     5.309     1.400
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL1         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL2         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL2         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL3         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL4         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL5         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL6         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL7         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL8         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL9         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL10        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL11        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL13        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL14        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL15        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL16        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Saturday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL17        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL18        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL19        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL20        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL21        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL22        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL23        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL24        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL25        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL25        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL26        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL27        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL28        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL29        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL30        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL31        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL32        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL33        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL34        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL35        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL36        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL37        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL38        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Saturday:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL39        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL40        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL41        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL42        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL43        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL44        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL45        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL46        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL47        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL47        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL48        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL49        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL50        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL51        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL52        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL53        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL54        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL55        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL56        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL57        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL58        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL59        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL60        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Saturday:
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL62        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL63        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL64        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL65        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL66        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL67        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL68        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL69        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL70        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL70        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL71        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL72        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL73        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL74        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL77        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL78        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL79        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL80        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL81        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL82        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL83        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL84        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL85        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Saturday:
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL86        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL87        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL88        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL89        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL92        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL93        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL94        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL95        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL96        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL96        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL97        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL98        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL99        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL100       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL101       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL102       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL103       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL107       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL108       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL109       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL110       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL111       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL112       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Saturday:
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL113       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL114       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL115       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL116       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL117       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL122       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL123       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL124       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL125       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL125       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL126       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL127       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL128       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL129       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL130       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL137       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL138       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL139       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL140       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL141       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL142       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL144       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL152       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL152       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Saturday:
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL153       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL153       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL154       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL154       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL155       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL156       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
```

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   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL157       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL158       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL159       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL160       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

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   EMISFACT VOL161       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL161       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL164       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL165       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
**********************************
** AERMOD Receptor Pathway
**********************************
**
**
RE STARTING
   INCLUDED "15809 Const NOx.rou"
RE FINISHED
**
**********************************
** AERMOD Meteorology Pathway
**********************************
**
**
ME STARTING
   SURFFILE ..\RDLD_V9_ADJU\RDLD_v9.SFC
   PROFFILE ..\RDLD_V9_ADJU\RDLD_v9.PFL
   SURFDATA 3171 2012
   UAIRDATA 3190 2012
   SITEDATA 99999 2012
```

```
   PROFBASE 481.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "15809 CONST NOX.AD\01H1GALL.PLT" 31
   SUMMFILE "15809 Const NOx.sum"
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W186    2378       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold
 used           0.50
 ME W187    2378       MEOPEN: ADJ_U* Option for Stable Low Winds used in
 AERMET

 ***********************************
 *** SETUP Finishes Successfully ***
 ***********************************

FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***
 13:42:22

                               PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                                            ***     MODEL SETUP OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - -

 ** Model Options Selected:
      * Model Uses Regulatory DEFAULT Options
      * Model Is Setup For Calculation of Average CONCentration Values.
      * NO GAS DEPOSITION Data Provided.
      * NO PARTICLE DEPOSITION Data Provided.
      * Model Uses NO DRY DEPLETION. DDPLETE  =  F
      * Model Uses NO WET DEPLETION. WETDPLT  =  F
      * Stack-tip Downwash.
      * Model Accounts for ELEVated Terrain Effects.
      * Use Calms Processing Routine.
      * Use Missing Data Processing Routine.
      * No Exponential Decay.
      * Model Uses URBAN Dispersion Algorithm for the SBL for   136 Source(s),
```

```
          for Total of    1 Urban Area(s):
    Urban Population =   2035210.0 ;  Urban Roughness Length =  1.000 m
       * Urban Roughness Length of 1.0 Meter Used.
       * ADJ_U*   - Use ADJ_U* option for SBL in AERMET
       * TEMP_Sub - Meteorological data includes TEMP substitutions
       * Model Accepts FLAGPOLE Receptor . Heights.
       * The User Specified a Pollutant Type of: NOX

  **Model Calculates  1 Short Term Average(s) of:   1-HR

  **This Run Includes:    136 Source(s);       1 Source Group(s); and      29 Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:    136 VOLUME source(s)
                 and:      0 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with a total of     0 line(s)
                 and:      0 SWPOINT source(s)


  **Model Set To Continue RUNning After the Setup Testing.

  **The AERMET Input Meteorological Data Version Date:  16216

  **Output Options Selected:
           Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
           Keyword)
           Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
           Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

  **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                  m for Missing Hours
                                                                  b for Both Calm and
                                                                  Missing Hours

  **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   481.00 ;  Decay Coef.
  =    0.000     ;  Rot. Angle =     0.0
                    Emission Units = GRAMS/SEC                              ;  Emission
                    Rate Unit Factor =   0.10000E+07
                    Output Units   = MICROGRAMS/M**3

  **Approximate Storage Requirements of Model =      3.6 MB of RAM.

  **Input Runstream File:
  aermod.inp

  **Output Print File:
  aermod.out


  **Detailed Error/Message File:   15809 Const
  NOx.err
  **File for Summary of Results:   15809 Const
  NOx.sum
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
  *** AERMET - VERSION  16216 ***
  ***                                                                    ***
  13:42:22

                              PAGE   2
  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
```

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER INIT. PART. CATS.	EMISSION RATE (GRAMS/SEC)	URBAN SOURCE	AIRCRAFT	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	SZ (METERS)	SCALAR VARY BY
			X (METERS)	Y (METERS)					
VOL1	0	0.43385E-02	496472.6	3767547.3	830.1	5.00	5.31	1.40	YES HRDOW
VOL2	0	0.43385E-02	496495.5	3767547.3	831.1	5.00	5.31	1.40	YES HRDOW
VOL3	0	0.43385E-02	496541.3	3767547.3	833.8	5.00	5.31	1.40	YES HRDOW
VOL4	0	0.43385E-02	496518.4	3767547.3	832.3	5.00	5.31	1.40	YES HRDOW
VOL5	0	0.43385E-02	496564.2	3767547.3	835.3	5.00	5.31	1.40	YES HRDOW
VOL6	0	0.43385E-02	496587.1	3767547.3	837.2	5.00	5.31	1.40	YES HRDOW
VOL7	0	0.43385E-02	496610.1	3767547.3	838.8	5.00	5.31	1.40	YES HRDOW
VOL8	0	0.43385E-02	496633.0	3767547.3	839.8	5.00	5.31	1.40	YES HRDOW
VOL9	0	0.43385E-02	496747.6	3767547.2	842.9	5.00	5.31	1.40	YES HRDOW
VOL10	0	0.43385E-02	496770.4	3767547.2	844.6	5.00	5.31	1.40	YES HRDOW
VOL11	0	0.43385E-02	496793.4	3767547.2	846.1	5.00	5.31	1.40	YES HRDOW
VOL13	0	0.43385E-02	496724.6	3767547.3	842.5	5.00	5.31	1.40	YES HRDOW
VOL14	0	0.43385E-02	496701.7	3767547.2	841.4	5.00	5.31	1.40	YES HRDOW
VOL15	0	0.43385E-02	496678.8	3767547.3	840.7	5.00	5.31	1.40	YES HRDOW
VOL16	0	0.43385E-02	496655.9	3767547.3	840.6	5.00	5.31	1.40	YES HRDOW
VOL17	0	0.43385E-02	496793.3	3767570.5	846.5	5.00	5.31	1.40	YES HRDOW
VOL18	0	0.43385E-02	496770.4	3767570.5	845.1	5.00	5.31	1.40	YES HRDOW
VOL19	0	0.43385E-02	496747.5	3767570.5	843.3	5.00	5.31	1.40	YES HRDOW
VOL20	0	0.43385E-02	496724.6	3767570.5	843.2	5.00	5.31	1.40	YES HRDOW
VOL21	0	0.43385E-02	496701.7	3767570.5	842.5	5.00	5.31	1.40	YES HRDOW
VOL22	0	0.43385E-02	496678.8	3767570.5	842.1	5.00	5.31	1.40	YES HRDOW
VOL23	0	0.43385E-02	496632.9	3767570.5	841.2	5.00	5.31	1.40	YES HRDOW
VOL24	0	0.43385E-02	496655.9	3767570.5	841.9	5.00	5.31	1.40	YES HRDOW
VOL25	0	0.43385E-02	496610.0	3767570.5	839.8	5.00	5.31	1.40	YES HRDOW
VOL26	0	0.43385E-02	496587.1	3767570.6	838.3	5.00	5.31	1.40	YES HRDOW
VOL27	0	0.43385E-02	496564.2	3767570.6	836.9	5.00	5.31	1.40	YES HRDOW
VOL28	0	0.43385E-02	496541.3	3767570.6	835.2	5.00	5.31	1.40	YES HRDOW

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2523    VOL29            0   0.43385E-02  496518.4 3767570.6   833.7     5.00     5.31
        1.40     YES   HRDOW            NO
2524    VOL30            0   0.43385E-02  496495.5 3767570.6   832.2     5.00     5.31
        1.40     YES   HRDOW            NO
2525    VOL31            0   0.43385E-02  496472.6 3767570.6   830.8     5.00     5.31
        1.40     YES   HRDOW            NO
2526    VOL32            0   0.43385E-02  496793.2 3767593.6   846.8     5.00     5.31
        1.40     YES   HRDOW            NO
2527    VOL33            0   0.43385E-02  496770.3 3767593.6   845.6     5.00     5.31
        1.40     YES   HRDOW            NO
2528    VOL34            0   0.43385E-02  496747.4 3767593.6   844.8     5.00     5.31
        1.40     YES   HRDOW            NO
2529    VOL35            0   0.43385E-02  496724.5 3767593.7   844.0     5.00     5.31
        1.40     YES   HRDOW            NO
2530    VOL36            0   0.43385E-02  496701.6 3767593.6   843.3     5.00     5.31
        1.40     YES   HRDOW            NO
2531    VOL37            0   0.43385E-02  496678.7 3767593.7   842.6     5.00     5.31
        1.40     YES   HRDOW            NO
2532    VOL38            0   0.43385E-02  496632.8 3767593.7   841.9     5.00     5.31
        1.40     YES   HRDOW            NO
2533    VOL39            0   0.43385E-02  496655.8 3767593.7   842.0     5.00     5.31
        1.40     YES   HRDOW            NO
2534    VOL40            0   0.43385E-02  496609.9 3767593.7   840.6     5.00     5.31
        1.40     YES   HRDOW            NO
2535    VOL41            0   0.43385E-02  496587.0 3767593.7   839.4     5.00     5.31
        1.40     YES   HRDOW            NO
2536    FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
        Ops CO\15809 Ops CO. ***        08/28/24
2537     *** AERMET - VERSION  16216 ***
         ***                                                                    ***
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2538
                                    PAGE   3
2539     *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
2540
2541
2542                                                    *** VOLUME SOURCE DATA ***
2543
2544                  NUMBER EMISSION RATE                        BASE    RELEASE    INIT.
                      INIT.   URBAN  EMISSION RATE   AIRCRAFT
2545       SOURCE      PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
           SZ     SOURCE  SCALAR VARY
2546         ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
           (METERS)              BY
2547    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - -
2548
2549    VOL42            0   0.43385E-02  496564.1 3767593.7   838.2     5.00     5.31
        1.40     YES   HRDOW            NO
2550    VOL43            0   0.43385E-02  496541.2 3767593.7   836.0     5.00     5.31
        1.40     YES   HRDOW            NO
2551    VOL44            0   0.43385E-02  496518.3 3767593.7   834.4     5.00     5.31
        1.40     YES   HRDOW            NO
2552    VOL45            0   0.43385E-02  496495.4 3767593.7   832.9     5.00     5.31
        1.40     YES   HRDOW            NO
2553    VOL46            0   0.43385E-02  496472.5 3767593.7   831.4     5.00     5.31
        1.40     YES   HRDOW            NO
2554    VOL47            0   0.43385E-02  496793.3 3767616.8   847.3     5.00     5.31
        1.40     YES   HRDOW            NO
2555    VOL48            0   0.43385E-02  496770.4 3767616.8   846.4     5.00     5.31
        1.40     YES   HRDOW            NO
2556    VOL49            0   0.43385E-02  496747.5 3767616.8   845.6     5.00     5.31
        1.40     YES   HRDOW            NO
2557    VOL50            0   0.43385E-02  496724.6 3767616.9   844.8     5.00     5.31
        1.40     YES   HRDOW            NO
2558    VOL51            0   0.43385E-02  496701.7 3767616.8   844.1     5.00     5.31
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      1.40     YES   HRDOW            NO
2559  VOL52            0   0.43385E-02  496678.8 3767616.9   843.3     5.00     5.31
      1.40     YES   HRDOW            NO
2560  VOL53            0   0.43385E-02  496632.9 3767616.9   842.1     5.00     5.31
      1.40     YES   HRDOW            NO
2561  VOL54            0   0.43385E-02  496655.9 3767616.9   842.6     5.00     5.31
      1.40     YES   HRDOW            NO
2562  VOL55            0   0.43385E-02  496610.0 3767616.9   841.1     5.00     5.31
      1.40     YES   HRDOW            NO
2563  VOL56            0   0.43385E-02  496587.1 3767616.9   839.9     5.00     5.31
      1.40     YES   HRDOW            NO
2564  VOL57            0   0.43385E-02  496564.2 3767616.9   838.7     5.00     5.31
      1.40     YES   HRDOW            NO
2565  VOL58            0   0.43385E-02  496541.3 3767616.9   837.4     5.00     5.31
      1.40     YES   HRDOW            NO
2566  VOL59            0   0.43385E-02  496518.4 3767616.9   835.4     5.00     5.31
      1.40     YES   HRDOW            NO
2567  VOL60            0   0.43385E-02  496495.5 3767616.9   833.7     5.00     5.31
      1.40     YES   HRDOW            NO
2568  VOL62            0   0.43385E-02  496793.2 3767640.0   847.9     5.00     5.31
      1.40     YES   HRDOW            NO
2569  VOL63            0   0.43385E-02  496770.3 3767640.0   847.0     5.00     5.31
      1.40     YES   HRDOW            NO
2570  VOL64            0   0.43385E-02  496747.4 3767640.0   845.9     5.00     5.31
      1.40     YES   HRDOW            NO
2571  VOL65            0   0.43385E-02  496724.5 3767640.0   845.1     5.00     5.31
      1.40     YES   HRDOW            NO
2572  VOL66            0   0.43385E-02  496701.6 3767640.0   844.4     5.00     5.31
      1.40     YES   HRDOW            NO
2573  VOL67            0   0.43385E-02  496678.7 3767640.1   843.6     5.00     5.31
      1.40     YES   HRDOW            NO
2574  VOL68            0   0.43385E-02  496632.8 3767640.1   842.1     5.00     5.31
      1.40     YES   HRDOW            NO
2575  VOL69            0   0.43385E-02  496655.8 3767640.1   842.8     5.00     5.31
      1.40     YES   HRDOW            NO
2576  VOL70            0   0.43385E-02  496609.9 3767640.1   841.6     5.00     5.31
      1.40     YES   HRDOW            NO
2577  VOL71            0   0.43385E-02  496587.0 3767640.1   840.6     5.00     5.31
      1.40     YES   HRDOW            NO
2578  VOL72            0   0.43385E-02  496564.1 3767640.1   839.2     5.00     5.31
      1.40     YES   HRDOW            NO
2579  VOL73            0   0.43385E-02  496541.2 3767640.1   838.0     5.00     5.31
      1.40     YES   HRDOW            NO
2580  VOL74            0   0.43385E-02  496518.3 3767640.1   836.1     5.00     5.31
      1.40     YES   HRDOW            NO
2581  VOL77            0   0.43385E-02  496793.1 3767663.3   848.4     5.00     5.31
      1.40     YES   HRDOW            NO
2582  VOL78            0   0.43385E-02  496770.2 3767663.4   847.4     5.00     5.31
      1.40     YES   HRDOW            NO
2583  VOL79            0   0.43385E-02  496747.3 3767663.3   846.1     5.00     5.31
      1.40     YES   HRDOW            NO
2584  VOL80            0   0.43385E-02  496724.4 3767663.4   845.4     5.00     5.31
      1.40     YES   HRDOW            NO
2585  VOL81            0   0.43385E-02  496701.5 3767663.3   844.5     5.00     5.31
      1.40     YES   HRDOW            NO
2586  VOL82            0   0.43385E-02  496678.5 3767663.4   843.6     5.00     5.31
      1.40     YES   HRDOW            NO
2587  VOL83            0   0.43385E-02  496632.7 3767663.4   842.1     5.00     5.31
      1.40     YES   HRDOW            NO
2588  VOL84            0   0.43385E-02  496655.7 3767663.4   842.8     5.00     5.31
      1.40     YES   HRDOW            NO
2589  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
2590   *** AERMET - VERSION  16216 ***
       ***                                                                    ***
       13:42:22
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER INIT. PART.	EMISSION RATE (GRAMS/SEC)	X	Y	BASE ELEV.	RELEASE HEIGHT	INIT. SY	SZ	SOURCE CATS.	SCALAR VARY BY
			(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)		
VOL85	0	0.43385E-02	496609.8	3767663.4	842.0	5.00	5.31	1.40	YES	HRDOW
VOL86	0	0.43385E-02	496586.9	3767663.4	841.1	5.00	5.31	1.40	YES	HRDOW
VOL87	0	0.43385E-02	496564.0	3767663.4	839.6	5.00	5.31	1.40	YES	HRDOW
VOL88	0	0.43385E-02	496541.1	3767663.4	838.0	5.00	5.31	1.40	YES	HRDOW
VOL89	0	0.43385E-02	496518.2	3767663.4	836.7	5.00	5.31	1.40	YES	HRDOW
VOL92	0	0.43385E-02	496793.1	3767686.4	848.4	5.00	5.31	1.40	YES	HRDOW
VOL93	0	0.43385E-02	496770.2	3767686.4	847.7	5.00	5.31	1.40	YES	HRDOW
VOL94	0	0.43385E-02	496747.3	3767686.4	846.9	5.00	5.31	1.40	YES	HRDOW
VOL95	0	0.43385E-02	496724.4	3767686.4	846.1	5.00	5.31	1.40	YES	HRDOW
VOL96	0	0.43385E-02	496701.5	3767686.4	844.8	5.00	5.31	1.40	YES	HRDOW
VOL97	0	0.43385E-02	496678.5	3767686.5	843.6	5.00	5.31	1.40	YES	HRDOW
VOL98	0	0.43385E-02	496632.7	3767686.5	842.1	5.00	5.31	1.40	YES	HRDOW
VOL99	0	0.43385E-02	496655.7	3767686.5	842.8	5.00	5.31	1.40	YES	HRDOW
VOL100	0	0.43385E-02	496609.8	3767686.4	842.0	5.00	5.31	1.40	YES	HRDOW
VOL101	0	0.43385E-02	496586.9	3767686.5	841.1	5.00	5.31	1.40	YES	HRDOW
VOL102	0	0.43385E-02	496564.0	3767686.5	839.6	5.00	5.31	1.40	YES	HRDOW
VOL103	0	0.43385E-02	496541.1	3767686.5	838.1	5.00	5.31	1.40	YES	HRDOW
VOL107	0	0.43385E-02	496793.1	3767709.5	848.4	5.00	5.31	1.40	YES	HRDOW
VOL108	0	0.43385E-02	496770.2	3767709.5	847.7	5.00	5.31	1.40	YES	HRDOW
VOL109	0	0.43385E-02	496747.3	3767709.5	846.9	5.00	5.31	1.40	YES	HRDOW
VOL110	0	0.43385E-02	496724.4	3767709.5	846.1	5.00	5.31	1.40	YES	HRDOW
VOL111	0	0.43385E-02	496701.5	3767709.5	844.8	5.00	5.31	1.40	YES	HRDOW
VOL112	0	0.43385E-02	496678.5	3767709.6	843.6	5.00	5.31	1.40	YES	HRDOW
VOL113	0	0.43385E-02	496632.7	3767709.5	842.1	5.00	5.31	1.40	YES	HRDOW
VOL114	0	0.43385E-02	496655.7	3767709.5	842.8	5.00	5.31	1.40	YES	HRDOW

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VOL115          0   0.43385E-02  496609.8 3767709.5   841.5     5.00     5.31
1.40     YES   HRDOW            NO
VOL116          0   0.43385E-02  496586.9 3767709.6   840.7     5.00     5.31
1.40     YES   HRDOW            NO
VOL117          0   0.43385E-02  496564.0 3767709.6   839.7     5.00     5.31
1.40     YES   HRDOW            NO
VOL122          0   0.43385E-02  496792.9 3767732.7   848.6     5.00     5.31
1.40     YES   HRDOW            NO
VOL123          0   0.43385E-02  496770.0 3767732.7   847.7     5.00     5.31
1.40     YES   HRDOW            NO
VOL124          0   0.43385E-02  496747.1 3767732.7   846.9     5.00     5.31
1.40     YES   HRDOW            NO
VOL125          0   0.43385E-02  496724.1 3767732.7   846.1     5.00     5.31
1.40     YES   HRDOW            NO
VOL126          0   0.43385E-02  496701.2 3767732.7   844.7     5.00     5.31
1.40     YES   HRDOW            NO
VOL127          0   0.43385E-02  496678.3 3767732.8   843.4     5.00     5.31
1.40     YES   HRDOW            NO
VOL128          0   0.43385E-02  496632.5 3767732.7   841.5     5.00     5.31
1.40     YES   HRDOW            NO
VOL129          0   0.43385E-02  496655.4 3767732.7   842.3     5.00     5.31
1.40     YES   HRDOW            NO
VOL130          0   0.43385E-02  496609.6 3767732.7   840.8     5.00     5.31
1.40     YES   HRDOW            NO
VOL137          0   0.43385E-02  496792.8 3767755.9   849.0     5.00     5.31
1.40     YES   HRDOW            NO
VOL138          0   0.43385E-02  496769.9 3767755.9   848.0     5.00     5.31
1.40     YES   HRDOW            NO
VOL139          0   0.43385E-02  496747.0 3767755.9   847.2     5.00     5.31
1.40     YES   HRDOW            NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***
 13:42:22

                                PAGE   5
*** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                      BASE    RELEASE    INIT.
               INIT.   URBAN  EMISSION RATE   AIRCRAFT
  SOURCE        PART.  (GRAMS/SEC)     X         Y      ELEV.   HEIGHT      SY
  SZ     SOURCE  SCALAR VARY
    ID          CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
    (METERS)             BY
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

VOL140          0   0.43385E-02  496724.0 3767755.9   846.2     5.00     5.31
1.40     YES   HRDOW            NO
VOL141          0   0.43385E-02  496701.1 3767755.9   844.5     5.00     5.31
1.40     YES   HRDOW            NO
VOL142          0   0.43385E-02  496678.2 3767755.9   843.0     5.00     5.31
1.40     YES   HRDOW            NO
VOL144          0   0.43385E-02  496655.3 3767755.9   841.8     5.00     5.31
1.40     YES   HRDOW            NO
VOL152          0   0.43385E-02  496792.6 3767779.0   849.4     5.00     5.31
1.40     YES   HRDOW            NO
VOL153          0   0.43385E-02  496769.7 3767779.0   848.6     5.00     5.31
1.40     YES   HRDOW            NO
VOL154          0   0.43385E-02  496746.8 3767779.0   847.8     5.00     5.31
1.40     YES   HRDOW            NO
VOL155          0   0.43385E-02  496723.9 3767779.0   846.3     5.00     5.31
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      1.40     YES   HRDOW            NO
2663  VOL156           0   0.43385E-02  496701.0 3767779.0   844.2     5.00     5.31
      1.40     YES   HRDOW            NO
2664  VOL157           0   0.43385E-02  496678.1 3767779.1   842.8     5.00     5.31
      1.40     YES   HRDOW            NO
2665  VOL158           0   0.43385E-02  496792.4 3767802.2   849.4     5.00     5.31
      1.40     YES   HRDOW            NO
2666  VOL159           0   0.43385E-02  496769.5 3767802.2   848.6     5.00     5.31
      1.40     YES   HRDOW            NO
2667  VOL160           0   0.43385E-02  496746.6 3767802.2   847.9     5.00     5.31
      1.40     YES   HRDOW            NO
2668  VOL161           0   0.43385E-02  496723.6 3767802.2   847.0     5.00     5.31
      1.40     YES   HRDOW            NO
2669  VOL164           0   0.43385E-02  496792.4 3767825.2   850.0     5.00     5.31
      1.40     YES   HRDOW            NO
2670  VOL165           0   0.43385E-02  496769.5 3767825.2   849.3     5.00     5.31
      1.40     YES   HRDOW            NO
2671  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
2672   *** AERMET - VERSION  16216 ***
       ***                                                                    ***
       13:42:22
2673
                                  PAGE   6
2674   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
2675
2676
2677                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***
2678
2679   SRCGROUP ID                                          SOURCE IDs
2680   -----------                                          ----------
2681
2682
2683    ALL        VOL1        , VOL2        , VOL3        , VOL4        , VOL5        ,
       VOL6        , VOL7        , VOL8        ,
2684
2685               VOL9        , VOL10       , VOL11       , VOL13       , VOL14       ,
               VOL15       , VOL16       , VOL17       ,
2686
2687               VOL18       , VOL19       , VOL20       , VOL21       , VOL22       ,
               VOL23       , VOL24       , VOL25       ,
2688
2689               VOL26       , VOL27       , VOL28       , VOL29       , VOL30       ,
               VOL31       , VOL32       , VOL33       ,
2690
2691               VOL34       , VOL35       , VOL36       , VOL37       , VOL38       ,
               VOL39       , VOL40       , VOL41       ,
2692
2693               VOL42       , VOL43       , VOL44       , VOL45       , VOL46       ,
               VOL47       , VOL48       , VOL49       ,
2694
2695               VOL50       , VOL51       , VOL52       , VOL53       , VOL54       ,
               VOL55       , VOL56       , VOL57       ,
2696
2697               VOL58       , VOL59       , VOL60       , VOL62       , VOL63       ,
               VOL64       , VOL65       , VOL66       ,
2698
2699               VOL67       , VOL68       , VOL69       , VOL70       , VOL71       ,
               VOL72       , VOL73       , VOL74       ,
2700
2701               VOL77       , VOL78       , VOL79       , VOL80       , VOL81       ,
               VOL82       , VOL83       , VOL84       ,
2702
2703               VOL85       , VOL86       , VOL87       , VOL88       , VOL89       ,
               VOL92       , VOL93       , VOL94       ,
2704
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2705              VOL95       , VOL96       , VOL97       , VOL98       , VOL99       ,
                  VOL100      , VOL101      , VOL102      ,
2706
2707              VOL103      , VOL107      , VOL108      , VOL109      , VOL110      ,
                  VOL111      , VOL112      , VOL113      ,
2708
2709              VOL114      , VOL115      , VOL116      , VOL117      , VOL122      ,
                  VOL123      , VOL124      , VOL125      ,
2710
2711              VOL126      , VOL127      , VOL128      , VOL129      , VOL130      ,
                  VOL137      , VOL138      , VOL139      ,
2712
2713              VOL140      , VOL141      , VOL142      , VOL144      , VOL152      ,
                  VOL153      , VOL154      , VOL155      ,
2714
2715              VOL156      , VOL157      , VOL158      , VOL159      , VOL160      ,
                  VOL161      , VOL164      , VOL165      ,
2716 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
     Ops CO\15809 Ops CO. ***        08/28/24
2717  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:42:22
2718
                                PAGE   7
2719  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
2720
2721
2722                                        *** SOURCE IDs DEFINED AS URBAN SOURCES ***
2723
2724    URBAN ID   URBAN POP                                  SOURCE IDs
2725    --------   ---------                                  ----------
2726
2727
2728               2035210.   VOL1        , VOL2        , VOL3        , VOL4        ,
                   VOL5        , VOL6        , VOL7        ,
2729  VOL8         ,
2730
2731              VOL9        , VOL10       , VOL11       , VOL13       , VOL14       ,
                  VOL15       , VOL16       , VOL17       ,
2732
2733              VOL18       , VOL19       , VOL20       , VOL21       , VOL22       ,
                  VOL23       , VOL24       , VOL25       ,
2734
2735              VOL26       , VOL27       , VOL28       , VOL29       , VOL30       ,
                  VOL31       , VOL32       , VOL33       ,
2736
2737              VOL34       , VOL35       , VOL36       , VOL37       , VOL38       ,
                  VOL39       , VOL40       , VOL41       ,
2738
2739              VOL42       , VOL43       , VOL44       , VOL45       , VOL46       ,
                  VOL47       , VOL48       , VOL49       ,
2740
2741              VOL50       , VOL51       , VOL52       , VOL53       , VOL54       ,
                  VOL55       , VOL56       , VOL57       ,
2742
2743              VOL58       , VOL59       , VOL60       , VOL62       , VOL63       ,
                  VOL64       , VOL65       , VOL66       ,
2744
2745              VOL67       , VOL68       , VOL69       , VOL70       , VOL71       ,
                  VOL72       , VOL73       , VOL74       ,
2746
2747              VOL77       , VOL78       , VOL79       , VOL80       , VOL81       ,
                  VOL82       , VOL83       , VOL84       ,
2748
2749              VOL85       , VOL86       , VOL87       , VOL88       , VOL89       ,
                  VOL92       , VOL93       , VOL94       ,
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2750
2751                VOL95       , VOL96       , VOL97       , VOL98       , VOL99       ,
                    VOL100      , VOL101      , VOL102      ,
2752
2753                VOL103      , VOL107      , VOL108      , VOL109      , VOL110      ,
                    VOL111      , VOL112      , VOL113      ,
2754
2755                VOL114      , VOL115      , VOL116      , VOL117      , VOL122      ,
                    VOL123      , VOL124      , VOL125      ,
2756
2757                VOL126      , VOL127      , VOL128      , VOL129      , VOL130      ,
                    VOL137      , VOL138      , VOL139      ,
2758
2759                VOL140      , VOL141      , VOL142      , VOL144      , VOL152      ,
                    VOL153      , VOL154      , VOL155      ,
2760
2761                VOL156      , VOL157      , VOL158      , VOL159      , VOL160      ,
                    VOL161      , VOL164      , VOL165      ,
2762   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
2763    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
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2764
                                    PAGE   8
2765    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
2766
2767                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
2768
2769    SOURCE ID = VOL1         ; SOURCE TYPE = VOLUME   :
2770     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
        SCALAR   HOUR   SCALAR   HOUR   SCALAR
2771    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
2772                                                DAY OF WEEK = WEEKDAY
2773       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .1000E+01
2774       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .0000E+00
2775      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
2776                                                DAY OF WEEK = SATURDAY
2777       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
2778       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
2779      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
2780                                                DAY OF WEEK = SUNDAY
2781       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
2782       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
2783      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
2784   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
2785    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:42:22
2786
                                    PAGE   9
2787    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
2788
2789                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
```

```
                    WEEK (HRDOW) *
2790
2791  SOURCE ID = VOL2         ; SOURCE TYPE = VOLUME   :
2792   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
2793  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
2794                                                DAY OF WEEK = WEEKDAY
2795     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
       .0000E+00    7  .0000E+00    8  .1000E+01
2796     9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
       .1000E+01   15  .1000E+01   16  .0000E+00
2797    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
       .0000E+00   23  .0000E+00   24  .0000E+00
2798                                                DAY OF WEEK = SATURDAY
2799     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
       .0000E+00    7  .0000E+00    8  .0000E+00
2800     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
       .0000E+00   15  .0000E+00   16  .0000E+00
2801    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
       .0000E+00   23  .0000E+00   24  .0000E+00
2802                                                DAY OF WEEK = SUNDAY
2803     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
       .0000E+00    7  .0000E+00    8  .0000E+00
2804     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
       .0000E+00   15  .0000E+00   16  .0000E+00
2805    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
       .0000E+00   23  .0000E+00   24  .0000E+00
2806  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
2807   *** AERMET - VERSION  16216 ***
       ***                                                                    ***
       13:42:22
2808
                                  PAGE  10
2809   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
2810
2811                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
2812
2813  SOURCE ID = VOL3         ; SOURCE TYPE = VOLUME   :
2814   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
2815  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
2816                                                DAY OF WEEK = WEEKDAY
2817     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
       .0000E+00    7  .0000E+00    8  .1000E+01
2818     9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
       .1000E+01   15  .1000E+01   16  .0000E+00
2819    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
       .0000E+00   23  .0000E+00   24  .0000E+00
2820                                                DAY OF WEEK = SATURDAY
2821     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
       .0000E+00    7  .0000E+00    8  .0000E+00
2822     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
       .0000E+00   15  .0000E+00   16  .0000E+00
2823    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
       .0000E+00   23  .0000E+00   24  .0000E+00
2824                                                DAY OF WEEK = SUNDAY
2825     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
       .0000E+00    7  .0000E+00    8  .0000E+00
2826     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
       .0000E+00   15  .0000E+00   16  .0000E+00
2827    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
       .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL4 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL5 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14					

```
        .0000E+00   15  .0000E+00   16  .0000E+00
      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
        .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
        .0000E+00    7  .0000E+00    8  .0000E+00
       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
        .0000E+00   15  .0000E+00   16  .0000E+00
      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
        .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:42:22

                                PAGE  13
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL6         ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
        .0000E+00    7  .0000E+00    8  .1000E+01
       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
        .1000E+01   15  .1000E+01   16  .0000E+00
      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
        .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
        .0000E+00    7  .0000E+00    8  .0000E+00
       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
        .0000E+00   15  .0000E+00   16  .0000E+00
      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
        .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
        .0000E+00    7  .0000E+00    8  .0000E+00
       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
        .0000E+00   15  .0000E+00   16  .0000E+00
      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
        .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:42:22

                                PAGE  14
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL7         ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
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2905       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
2906       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
2907      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
2908                                                DAY OF WEEK = SATURDAY
2909       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
2910       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
2911      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
2912                                                DAY OF WEEK = SUNDAY
2913       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
2914       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
2915      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
2916 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
     Ops CO\15809 Ops CO. ***        08/28/24
2917  *** AERMET - VERSION  16216 ***
      ***                                                                        ***
      13:42:22
2918
                                  PAGE  15
2919  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
2920
2921                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
2922
2923  SOURCE ID = VOL8         ; SOURCE TYPE = VOLUME   :
2924   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
      SCALAR   HOUR   SCALAR   HOUR   SCALAR
2925  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - - - -
2926                                                DAY OF WEEK = WEEKDAY
2927       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
2928       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
2929      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
2930                                                DAY OF WEEK = SATURDAY
2931       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
2932       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
2933      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
2934                                                DAY OF WEEK = SUNDAY
2935       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
2936       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
2937      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
2938 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
     Ops CO\15809 Ops CO. ***        08/28/24
2939  *** AERMET - VERSION  16216 ***
      ***                                                                        ***
      13:42:22
2940
                                  PAGE  16
2941  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
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2942
2943                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
2944
2945    SOURCE ID = VOL9         ; SOURCE TYPE = VOLUME   :
2946     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
2947    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
2948                                                DAY OF WEEK = WEEKDAY
2949       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
2950       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
2951      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
2952                                                DAY OF WEEK = SATURDAY
2953       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
2954       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
2955      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
2956                                                DAY OF WEEK = SUNDAY
2957       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
2958       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
2959      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
2960    FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
        Ops CO\15809 Ops CO. ***        08/28/24
2961     *** AERMET - VERSION  16216 ***
         ***                                                                    ***
         13:42:22
2962
                                  PAGE  17
2963     *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
2964
2965                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
2966
2967    SOURCE ID = VOL10        ; SOURCE TYPE = VOLUME   :
2968     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
2969    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
2970                                                DAY OF WEEK = WEEKDAY
2971       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
2972       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
2973      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
2974                                                DAY OF WEEK = SATURDAY
2975       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
2976       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
2977      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
2978                                                DAY OF WEEK = SUNDAY
2979       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
2980       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
```

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2981      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
2982   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
2983    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:42:22
2984
                                   PAGE  18
2985    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
2986
2987                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
2988
2989    SOURCE ID = VOL11        ; SOURCE TYPE = VOLUME   :
2990     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
2991    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
2992                                                DAY OF WEEK = WEEKDAY
2993       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .1000E+01
2994       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .0000E+00
2995      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
2996                                                DAY OF WEEK = SATURDAY
2997       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
2998       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
2999      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3000                                                DAY OF WEEK = SUNDAY
3001       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
3002       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
3003      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3004   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
3005    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:42:22
3006
                                   PAGE  19
3007    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3008
3009                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
3010
3011    SOURCE ID = VOL13        ; SOURCE TYPE = VOLUME   :
3012     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
3013    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
3014                                                DAY OF WEEK = WEEKDAY
3015       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .1000E+01
3016       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .0000E+00
3017      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3018                                                DAY OF WEEK = SATURDAY
3019       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
```

```
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:42:22

                            PAGE  20
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL14        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:42:22

                            PAGE  21
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL15        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

```
- - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:42:22

                            PAGE  22
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL16        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - -
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL17 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

FF *** AERMOD - VERSION 23132 *** *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Ops CO\15809 Ops CO. *** 08/28/24

*** AERMET - VERSION 16216 ***

*** ***

13:42:22

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL18 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00

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3134       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3135      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3136   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
3137    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:42:22
3138
                                    PAGE  25
3139    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3140
3141                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
3142
3143    SOURCE ID = VOL19        ; SOURCE TYPE = VOLUME   :
3144     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
3145    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
3146                                                DAY OF WEEK = WEEKDAY
3147       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
3148       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
3149      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3150                                                DAY OF WEEK = SATURDAY
3151       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3152       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3153      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3154                                                DAY OF WEEK = SUNDAY
3155       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3156       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3157      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3158   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
3159    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:42:22
3160
                                    PAGE  26
3161    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3162
3163                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
3164
3165    SOURCE ID = VOL20        ; SOURCE TYPE = VOLUME   :
3166     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
3167    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
3168                                                DAY OF WEEK = WEEKDAY
3169       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
3170       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
3171      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
```

3172 DAY OF WEEK = SATURDAY
3173 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
3174 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
3175 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
3176 DAY OF WEEK = SUNDAY
3177 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
3178 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
3179 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
3180 FF *** AERMOD - VERSION 23132 *** *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Ops CO\15809 Ops CO. *** 08/28/24
3181 *** AERMET - VERSION 16216 ***
*** ***
13:42:22
3182
PAGE 27
3183 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*
3184
3185 * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *
3186
3187 SOURCE ID = VOL21 ; SOURCE TYPE = VOLUME :
3188 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
3189 - - -

```
 SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - -
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL24 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

FF *** AERMOD - VERSION 23132 *** *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Ops CO\15809 Ops CO. *** 08/28/24

*** AERMET - VERSION 16216 ***

*** ***

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL25 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

```
3287       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3288       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3289      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3290   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
3291    *** AERMET - VERSION  16216 ***
        ***                                                                        ***
        13:42:22
3292
                                    PAGE  32
3293    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3294
3295                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
3296
3297    SOURCE ID = VOL26        ; SOURCE TYPE = VOLUME   :
3298     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
3299    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - - -
3300                                                DAY OF WEEK = WEEKDAY
3301       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
3302       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
3303      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3304                                                DAY OF WEEK = SATURDAY
3305       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3306       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3307      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3308                                                DAY OF WEEK = SUNDAY
3309       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3310       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3311      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3312   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
3313    *** AERMET - VERSION  16216 ***
        ***                                                                        ***
        13:42:22
3314
                                    PAGE  33
3315    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3316
3317                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
3318
3319    SOURCE ID = VOL27        ; SOURCE TYPE = VOLUME   :
3320     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
3321    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - - -
3322                                                DAY OF WEEK = WEEKDAY
3323       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
3324       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
```

```
3325      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3326                                                DAY OF WEEK = SATURDAY
3327       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
3328       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
3329      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3330                                                DAY OF WEEK = SUNDAY
3331       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
3332       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
3333      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3334  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
3335   *** AERMET - VERSION  16216 ***
       ***                                                                    ***
       13:42:22
3336
                                  PAGE  34
3337   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3338
3339                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                         WEEK (HRDOW) *
3340
3341   SOURCE ID = VOL28        ; SOURCE TYPE = VOLUME   :
3342    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
3343  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
3344                                                DAY OF WEEK = WEEKDAY
3345       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .1000E+01
3346       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .0000E+00
3347      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3348                                                DAY OF WEEK = SATURDAY
3349       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
3350       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
3351      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3352                                                DAY OF WEEK = SUNDAY
3353       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
3354       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
3355      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3356  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
3357   *** AERMET - VERSION  16216 ***
       ***                                                                    ***
       13:42:22
3358
                                  PAGE  35
3359   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3360
3361                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                         WEEK (HRDOW) *
3362
```

```
 SOURCE ID = VOL29        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:42:22

                            PAGE  36
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL30        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL31   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL32   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

```
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:42:22

                              PAGE  39
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL33        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:42:22

                              PAGE  40
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL34        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
```

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3478       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
3479      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3480                                              DAY OF WEEK = SATURDAY
3481       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3482       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3483      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3484                                              DAY OF WEEK = SUNDAY
3485       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3486       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3487      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3488  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
3489       *** AERMET - VERSION  16216 ***
           ***                                                                    ***
           13:42:22
3490
                                    PAGE  41
3491       *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3492
3493                         * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                             WEEK (HRDOW) *
3494
3495       SOURCE ID = VOL35        ; SOURCE TYPE = VOLUME   :
3496        HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
           SCALAR   HOUR   SCALAR   HOUR   SCALAR
3497      - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - - - -
3498                                              DAY OF WEEK = WEEKDAY
3499         1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
3500       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
3501      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3502                                              DAY OF WEEK = SATURDAY
3503       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3504       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3505      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3506                                              DAY OF WEEK = SUNDAY
3507       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3508       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3509      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3510  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
3511       *** AERMET - VERSION  16216 ***
           ***                                                                    ***
           13:42:22
3512
                                    PAGE  42
3513       *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3514
3515                         * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
```

```
                    WEEK (HRDOW) *
3516
3517    SOURCE ID = VOL36        ; SOURCE TYPE = VOLUME   :
3518     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
3519    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
3520                                                DAY OF WEEK = WEEKDAY
3521       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
3522       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
3523      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3524                                                DAY OF WEEK = SATURDAY
3525       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3526       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3527      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3528                                                DAY OF WEEK = SUNDAY
3529       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3530       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3531      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3532    FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
        Ops CO\15809 Ops CO. ***        08/28/24
3533     *** AERMET - VERSION  16216 ***
         ***                                                                    ***
         13:42:22
3534
                                    PAGE  43
3535     *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3536
3537                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
3538
3539     SOURCE ID = VOL37        ; SOURCE TYPE = VOLUME   :
3540      HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
3541    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
3542                                                DAY OF WEEK = WEEKDAY
3543       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
3544       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
3545      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3546                                                DAY OF WEEK = SATURDAY
3547       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3548       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3549      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3550                                                DAY OF WEEK = SUNDAY
3551       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3552       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3553      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL38 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL39 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14					

```
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
       .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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                                PAGE  46
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL40        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:42:22

                                PAGE  47
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL41        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
```

```
3631       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
3632       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
3633      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3634                                              DAY OF WEEK = SATURDAY
3635       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3636       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3637      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3638                                              DAY OF WEEK = SUNDAY
3639       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3640       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3641      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3642 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
     Ops CO\15809 Ops CO. ***        08/28/24
3643  *** AERMET - VERSION  16216 ***
      ***                                                                        ***
      13:42:22
3644
                                  PAGE  48
3645  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3646
3647                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
3648
3649  SOURCE ID = VOL42        ; SOURCE TYPE = VOLUME   :
3650   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
      SCALAR   HOUR   SCALAR   HOUR   SCALAR
3651  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
3652                                              DAY OF WEEK = WEEKDAY
3653       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
3654       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
3655      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3656                                              DAY OF WEEK = SATURDAY
3657       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3658       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3659      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3660                                              DAY OF WEEK = SUNDAY
3661       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3662       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3663      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3664 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
     Ops CO\15809 Ops CO. ***        08/28/24
3665  *** AERMET - VERSION  16216 ***
      ***                                                                        ***
      13:42:22
3666
                                  PAGE  49
3667  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
```

```
3668
3669                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                         WEEK (HRDOW) *
3670
3671    SOURCE ID = VOL43        ; SOURCE TYPE = VOLUME   :
3672     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
3673    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
3674                                                DAY OF WEEK = WEEKDAY
3675       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
3676       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
3677      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3678                                                DAY OF WEEK = SATURDAY
3679       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3680       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3681      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3682                                                DAY OF WEEK = SUNDAY
3683       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3684       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3685      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3686    FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
        Ops CO\15809 Ops CO. ***        08/28/24
3687     *** AERMET - VERSION  16216 ***
         ***                                                                    ***
         13:42:22
3688
                                  PAGE  50
3689     *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3690
3691                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                         WEEK (HRDOW) *
3692
3693    SOURCE ID = VOL44        ; SOURCE TYPE = VOLUME   :
3694     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
3695    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
3696                                                DAY OF WEEK = WEEKDAY
3697       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
3698       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
3699      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3700                                                DAY OF WEEK = SATURDAY
3701       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3702       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3703      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3704                                                DAY OF WEEK = SUNDAY
3705       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3706       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
```

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:42:22

                              PAGE  51
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL45        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:42:22

                              PAGE  52
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL46        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
```

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      .0000E+00    7  .0000E+00    8  .0000E+00
3746   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
3747  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
3748                                          DAY OF WEEK = SUNDAY
3749   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
3750   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
3751  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
3752 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
     Ops CO\15809 Ops CO. ***        08/28/24
3753  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:42:22
3754
                                PAGE  53
3755  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3756
3757                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
3758
3759  SOURCE ID = VOL47        ; SOURCE TYPE = VOLUME   :
3760   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
      SCALAR   HOUR   SCALAR   HOUR   SCALAR
3761  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
     - - - - - - - - - - - - - - - - - - - -
3762                                          DAY OF WEEK = WEEKDAY
3763   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
3764   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
3765  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
3766                                          DAY OF WEEK = SATURDAY
3767   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
3768   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
3769  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
3770                                          DAY OF WEEK = SUNDAY
3771   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
3772   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
3773  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
3774 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
     Ops CO\15809 Ops CO. ***        08/28/24
3775  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:42:22
3776
                                PAGE  54
3777  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3778
3779                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
3780
3781  SOURCE ID = VOL48        ; SOURCE TYPE = VOLUME   :
3782   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
      SCALAR   HOUR   SCALAR   HOUR   SCALAR
3783  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

```
- - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:42:22

                            PAGE  55
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL49        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:42:22
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL50   ; SOURCE TYPE = VOLUME   :
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
- -

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

FF *** AERMOD - VERSION 23132 ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Ops CO\15809 Ops CO. ***   08/28/24
 *** AERMET - VERSION 16216 ***
 ***   ***
 13:42:22

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL51   ; SOURCE TYPE = VOLUME   :
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
- -

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00

```
3860       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3861      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3862    FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
        Ops CO\15809 Ops CO. ***        08/28/24
3863     *** AERMET - VERSION  16216 ***
         ***                                                                    ***
         13:42:22
3864
                                    PAGE  58
3865     *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3866
3867                       * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                           WEEK (HRDOW) *
3868
3869     SOURCE ID = VOL52        ; SOURCE TYPE = VOLUME   :
3870      HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
          SCALAR   HOUR   SCALAR   HOUR   SCALAR
3871    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
3872                                                DAY OF WEEK = WEEKDAY
3873       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
3874       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
3875      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3876                                                DAY OF WEEK = SATURDAY
3877       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3878       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3879      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3880                                                DAY OF WEEK = SUNDAY
3881       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3882       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3883      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3884    FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
        Ops CO\15809 Ops CO. ***        08/28/24
3885     *** AERMET - VERSION  16216 ***
         ***                                                                    ***
         13:42:22
3886
                                    PAGE  59
3887     *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3888
3889                       * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                           WEEK (HRDOW) *
3890
3891     SOURCE ID = VOL53        ; SOURCE TYPE = VOLUME   :
3892      HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
          SCALAR   HOUR   SCALAR   HOUR   SCALAR
3893    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
3894                                                DAY OF WEEK = WEEKDAY
3895       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
3896       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
3897      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                        ***
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                              PAGE  60
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL54        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                        ***
 13:42:22

                              PAGE  61
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL55        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
```

```
 SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - -
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL57 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

FF *** AERMOD - VERSION 23132 *** *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Ops CO\15809 Ops CO. *** 08/28/24

*** AERMET - VERSION 16216 ***

*** ***

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL58 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

```
4013       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4014       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4015      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4016   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
4017    *** AERMET - VERSION  16216 ***
        ***                                                                        ***
        13:42:22
4018
                                    PAGE  65
4019    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4020
4021                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
4022
4023    SOURCE ID = VOL59        ; SOURCE TYPE = VOLUME   :
4024     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
4025    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
4026                                                DAY OF WEEK = WEEKDAY
4027       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
4028       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
4029      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4030                                                DAY OF WEEK = SATURDAY
4031       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4032       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4033      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4034                                                DAY OF WEEK = SUNDAY
4035       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4036       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4037      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4038   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
4039    *** AERMET - VERSION  16216 ***
        ***                                                                        ***
        13:42:22
4040
                                    PAGE  66
4041    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4042
4043                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
4044
4045    SOURCE ID = VOL60        ; SOURCE TYPE = VOLUME   :
4046     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
4047    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
4048                                                DAY OF WEEK = WEEKDAY
4049       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
4050       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
```

```
4051      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4052                                                  DAY OF WEEK = SATURDAY
4053       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
4054       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
4055      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4056                                                  DAY OF WEEK = SUNDAY
4057       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
4058       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
4059      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4060  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
4061   *** AERMET - VERSION  16216 ***
       ***                                                                    ***
       13:42:22
4062
                                  PAGE  67
4063   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4064
4065                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                         WEEK (HRDOW) *
4066
4067   SOURCE ID = VOL62        ; SOURCE TYPE = VOLUME   :
4068    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
4069  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
4070                                                  DAY OF WEEK = WEEKDAY
4071       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .1000E+01
4072       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .0000E+00
4073      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4074                                                  DAY OF WEEK = SATURDAY
4075       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
4076       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
4077      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4078                                                  DAY OF WEEK = SUNDAY
4079       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
4080       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
4081      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4082  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
4083   *** AERMET - VERSION  16216 ***
       ***                                                                    ***
       13:42:22
4084
                                  PAGE  68
4085   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4086
4087                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                         WEEK (HRDOW) *
4088
```

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 SOURCE ID = VOL63        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***
 13:42:22

                            PAGE  69
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL64        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
```

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4127    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:42:22
4128
                                    PAGE  70
4129    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4130
4131                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
4132
4133    SOURCE ID = VOL65        ; SOURCE TYPE = VOLUME   :
4134     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
4135    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
4136                                                  DAY OF WEEK = WEEKDAY
4137       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
4138       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
4139      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4140                                                  DAY OF WEEK = SATURDAY
4141       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4142       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4143      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4144                                                  DAY OF WEEK = SUNDAY
4145       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4146       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4147      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4148    FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
        Ops CO\15809 Ops CO. ***        08/28/24
4149     *** AERMET - VERSION  16216 ***
         ***                                                                   ***
         13:42:22
4150
                                    PAGE  71
4151    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4152
4153                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
4154
4155    SOURCE ID = VOL66        ; SOURCE TYPE = VOLUME   :
4156     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
4157    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
4158                                                  DAY OF WEEK = WEEKDAY
4159       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
4160       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
4161      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4162                                                  DAY OF WEEK = SATURDAY
4163       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4164       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4165      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
```

```
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:42:22

                              PAGE  72
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL67        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:42:22

                              PAGE  73
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL68        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
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4204       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
4205      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4206                                                DAY OF WEEK = SATURDAY
4207       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4208       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4209      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4210                                                DAY OF WEEK = SUNDAY
4211       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4212       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4213      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4214  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
4215       *** AERMET - VERSION  16216 ***
           ***                                                                    ***
           13:42:22
4216
                                    PAGE  74
4217       *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4218
4219                         * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                             WEEK (HRDOW) *
4220
4221       SOURCE ID = VOL69        ; SOURCE TYPE = VOLUME   :
4222        HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
           SCALAR   HOUR   SCALAR   HOUR   SCALAR
4223      - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
4224                                                DAY OF WEEK = WEEKDAY
4225       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
4226       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
4227      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4228                                                DAY OF WEEK = SATURDAY
4229       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4230       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4231      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4232                                                DAY OF WEEK = SUNDAY
4233       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4234       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4235      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4236  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
4237       *** AERMET - VERSION  16216 ***
           ***                                                                    ***
           13:42:22
4238
                                    PAGE  75
4239       *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4240
4241                         * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
```

```
                    WEEK (HRDOW) *
4242
4243  SOURCE ID = VOL70        ; SOURCE TYPE = VOLUME   :
4244   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
4245  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
4246                                                DAY OF WEEK = WEEKDAY
4247     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
         .0000E+00    7  .0000E+00    8  .1000E+01
4248     9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
         .1000E+01   15  .1000E+01   16  .0000E+00
4249    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
        .0000E+00   23  .0000E+00   24  .0000E+00
4250                                                DAY OF WEEK = SATURDAY
4251     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
         .0000E+00    7  .0000E+00    8  .0000E+00
4252     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
         .0000E+00   15  .0000E+00   16  .0000E+00
4253    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
        .0000E+00   23  .0000E+00   24  .0000E+00
4254                                                DAY OF WEEK = SUNDAY
4255     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
         .0000E+00    7  .0000E+00    8  .0000E+00
4256     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
         .0000E+00   15  .0000E+00   16  .0000E+00
4257    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
        .0000E+00   23  .0000E+00   24  .0000E+00
4258  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
4259   *** AERMET - VERSION  16216 ***
       ***                                                                    ***
       13:42:22
4260
                                  PAGE  76
4261   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4262
4263                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
4264
4265  SOURCE ID = VOL71        ; SOURCE TYPE = VOLUME   :
4266   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
4267  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
4268                                                DAY OF WEEK = WEEKDAY
4269     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
         .0000E+00    7  .0000E+00    8  .1000E+01
4270     9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
         .1000E+01   15  .1000E+01   16  .0000E+00
4271    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
        .0000E+00   23  .0000E+00   24  .0000E+00
4272                                                DAY OF WEEK = SATURDAY
4273     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
         .0000E+00    7  .0000E+00    8  .0000E+00
4274     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
         .0000E+00   15  .0000E+00   16  .0000E+00
4275    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
        .0000E+00   23  .0000E+00   24  .0000E+00
4276                                                DAY OF WEEK = SUNDAY
4277     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
         .0000E+00    7  .0000E+00    8  .0000E+00
4278     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
         .0000E+00   15  .0000E+00   16  .0000E+00
4279    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
        .0000E+00   23  .0000E+00   24  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL72 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL73 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14					

```
        .0000E+00   15  .0000E+00   16  .0000E+00
4319      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
        .0000E+00   23  .0000E+00   24  .0000E+00
4320                                                DAY OF WEEK = SUNDAY
4321       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
        .0000E+00    7  .0000E+00    8  .0000E+00
4322       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
        .0000E+00   15  .0000E+00   16  .0000E+00
4323      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
        .0000E+00   23  .0000E+00   24  .0000E+00
4324  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
4325   *** AERMET - VERSION  16216 ***
       ***                                                                    ***
       13:42:22
4326
                                  PAGE  79
4327   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4328
4329                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                         WEEK (HRDOW) *
4330
4331   SOURCE ID = VOL74        ; SOURCE TYPE = VOLUME   :
4332    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
4333   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
4334                                                DAY OF WEEK = WEEKDAY
4335       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
        .0000E+00    7  .0000E+00    8  .1000E+01
4336       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
        .1000E+01   15  .1000E+01   16  .0000E+00
4337      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
        .0000E+00   23  .0000E+00   24  .0000E+00
4338                                                DAY OF WEEK = SATURDAY
4339       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
        .0000E+00    7  .0000E+00    8  .0000E+00
4340       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
        .0000E+00   15  .0000E+00   16  .0000E+00
4341      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
        .0000E+00   23  .0000E+00   24  .0000E+00
4342                                                DAY OF WEEK = SUNDAY
4343       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
        .0000E+00    7  .0000E+00    8  .0000E+00
4344       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
        .0000E+00   15  .0000E+00   16  .0000E+00
4345      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
        .0000E+00   23  .0000E+00   24  .0000E+00
4346  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
4347   *** AERMET - VERSION  16216 ***
       ***                                                                    ***
       13:42:22
4348
                                  PAGE  80
4349   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4350
4351                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                         WEEK (HRDOW) *
4352
4353   SOURCE ID = VOL77        ; SOURCE TYPE = VOLUME   :
4354    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
4355   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
4356                                                DAY OF WEEK = WEEKDAY
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4357       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
4358       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
4359      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4360                                                DAY OF WEEK = SATURDAY
4361       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4362       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4363      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4364                                                DAY OF WEEK = SUNDAY
4365       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4366       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4367      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4368 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
     Ops CO\15809 Ops CO. ***        08/28/24
4369  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:42:22
4370
                                  PAGE  81
4371  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4372
4373                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
4374
4375  SOURCE ID = VOL78        ; SOURCE TYPE = VOLUME   :
4376   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
      SCALAR   HOUR   SCALAR   HOUR   SCALAR
4377  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
4378                                                DAY OF WEEK = WEEKDAY
4379       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
4380       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
4381      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4382                                                DAY OF WEEK = SATURDAY
4383       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4384       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4385      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4386                                                DAY OF WEEK = SUNDAY
4387       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4388       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4389      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4390 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
     Ops CO\15809 Ops CO. ***        08/28/24
4391  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:42:22
4392
                                  PAGE  82
4393  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
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4394
4395                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
4396
4397    SOURCE ID = VOL79        ; SOURCE TYPE = VOLUME   :
4398     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
4399    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
4400                                                DAY OF WEEK = WEEKDAY
4401       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
4402       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
4403      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4404                                                DAY OF WEEK = SATURDAY
4405       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4406       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4407      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4408                                                DAY OF WEEK = SUNDAY
4409       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4410       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4411      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4412    FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
        Ops CO\15809 Ops CO. ***        08/28/24
4413     *** AERMET - VERSION  16216 ***
         ***                                                                    ***
         13:42:22
4414
                                    PAGE  83
4415    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4416
4417                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
4418
4419    SOURCE ID = VOL80        ; SOURCE TYPE = VOLUME   :
4420     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
4421    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
4422                                                DAY OF WEEK = WEEKDAY
4423       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
4424       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
4425      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4426                                                DAY OF WEEK = SATURDAY
4427       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4428       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4429      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4430                                                DAY OF WEEK = SUNDAY
4431       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4432       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
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4433      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4434   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
4435    *** AERMET - VERSION  16216 ***
        ***                                                                          ***
        13:42:22
4436
                                   PAGE  84
4437    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4438
4439                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
4440
4441    SOURCE ID = VOL81        ; SOURCE TYPE = VOLUME   :
4442     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
4443    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
4444                                                DAY OF WEEK = WEEKDAY
4445      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .1000E+01
4446      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .0000E+00
4447      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4448                                                DAY OF WEEK = SATURDAY
4449      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
4450      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
4451      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4452                                                DAY OF WEEK = SUNDAY
4453      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
4454      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
4455      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4456   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
4457    *** AERMET - VERSION  16216 ***
        ***                                                                          ***
        13:42:22
4458
                                   PAGE  85
4459    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4460
4461                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
4462
4463    SOURCE ID = VOL82        ; SOURCE TYPE = VOLUME   :
4464     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
4465    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
4466                                                DAY OF WEEK = WEEKDAY
4467      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .1000E+01
4468      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .0000E+00
4469      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4470                                                DAY OF WEEK = SATURDAY
4471      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
```

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      .0000E+00    7  .0000E+00    8  .0000E+00
4472   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
       .0000E+00   15  .0000E+00   16  .0000E+00
4473  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
       .0000E+00   23  .0000E+00   24  .0000E+00
4474                                          DAY OF WEEK = SUNDAY
4475   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
       .0000E+00    7  .0000E+00    8  .0000E+00
4476   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
       .0000E+00   15  .0000E+00   16  .0000E+00
4477  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
       .0000E+00   23  .0000E+00   24  .0000E+00
4478 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
     Ops CO\15809 Ops CO. ***        08/28/24
4479  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:42:22
4480
                                PAGE  86
4481  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4482
4483                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
4484
4485  SOURCE ID = VOL83        ; SOURCE TYPE = VOLUME   :
4486   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
4487  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
4488                                          DAY OF WEEK = WEEKDAY
4489   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
       .0000E+00    7  .0000E+00    8  .1000E+01
4490   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
       .1000E+01   15  .1000E+01   16  .0000E+00
4491  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
       .0000E+00   23  .0000E+00   24  .0000E+00
4492                                          DAY OF WEEK = SATURDAY
4493   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
       .0000E+00    7  .0000E+00    8  .0000E+00
4494   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
       .0000E+00   15  .0000E+00   16  .0000E+00
4495  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
       .0000E+00   23  .0000E+00   24  .0000E+00
4496                                          DAY OF WEEK = SUNDAY
4497   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
       .0000E+00    7  .0000E+00    8  .0000E+00
4498   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
       .0000E+00   15  .0000E+00   16  .0000E+00
4499  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
       .0000E+00   23  .0000E+00   24  .0000E+00
4500 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
     Ops CO\15809 Ops CO. ***        08/28/24
4501  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:42:22
4502
                                PAGE  87
4503  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4504
4505                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
4506
4507  SOURCE ID = VOL84        ; SOURCE TYPE = VOLUME   :
4508   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
4509  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

```
- - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:42:22

                            PAGE  88
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL85        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:42:22
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL86 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

FF *** AERMOD - VERSION 23132 *** *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Ops CO\15809 Ops CO. *** 08/28/24

*** AERMET - VERSION 16216 ***

*** ***

13:42:22

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL87 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00

```
4586       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4587      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4588   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
4589    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:42:22
4590
                                    PAGE  91
4591    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4592
4593                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
4594
4595    SOURCE ID = VOL88        ; SOURCE TYPE = VOLUME   :
4596     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
4597    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
4598                                                DAY OF WEEK = WEEKDAY
4599       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
4600       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
4601      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4602                                                DAY OF WEEK = SATURDAY
4603       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4604       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4605      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4606                                                DAY OF WEEK = SUNDAY
4607       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4608       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4609      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4610   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
4611    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:42:22
4612
                                    PAGE  92
4613    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4614
4615                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
4616
4617    SOURCE ID = VOL89        ; SOURCE TYPE = VOLUME   :
4618     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
4619    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
4620                                                DAY OF WEEK = WEEKDAY
4621       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
4622       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
4623      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                        ***
 13:42:22

                            PAGE  93
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL92        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                        ***
 13:42:22

                            PAGE  94
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL93        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
```

```
 SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - -
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL95 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

FF *** AERMOD - VERSION 23132 *** *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Ops CO\15809 Ops CO. *** 08/28/24

*** AERMET - VERSION 16216 ***

*** ***

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL96 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

```
4739       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4740       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4741      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4742   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
4743    *** AERMET - VERSION  16216 ***
        ***                                                                          ***
        13:42:22
4744
                                    PAGE  98
4745    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4746
4747                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
4748
4749    SOURCE ID = VOL97        ; SOURCE TYPE = VOLUME   :
4750     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
4751    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
4752                                                DAY OF WEEK = WEEKDAY
4753       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
4754       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
4755      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4756                                                DAY OF WEEK = SATURDAY
4757       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4758       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4759      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4760                                                DAY OF WEEK = SUNDAY
4761       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4762       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4763      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4764   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
4765    *** AERMET - VERSION  16216 ***
        ***                                                                          ***
        13:42:22
4766
                                    PAGE  99
4767    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4768
4769                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
4770
4771    SOURCE ID = VOL98        ; SOURCE TYPE = VOLUME   :
4772     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
4773    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
4774                                                DAY OF WEEK = WEEKDAY
4775       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
4776       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
```

```
4777      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4778                                                DAY OF WEEK = SATURDAY
4779       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
4780       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
4781      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4782                                                DAY OF WEEK = SUNDAY
4783       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
4784       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
4785      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4786  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
4787   *** AERMET - VERSION  16216 ***
       ***                                                                    ***
       13:42:22
4788
                                  PAGE 100
4789   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4790
4791                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
4792
4793   SOURCE ID = VOL99        ; SOURCE TYPE = VOLUME   :
4794    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
4795  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
4796                                                DAY OF WEEK = WEEKDAY
4797       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .1000E+01
4798       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .0000E+00
4799      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4800                                                DAY OF WEEK = SATURDAY
4801       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
4802       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
4803      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4804                                                DAY OF WEEK = SUNDAY
4805       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
4806       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
4807      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4808  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
4809   *** AERMET - VERSION  16216 ***
       ***                                                                    ***
       13:42:22
4810
                                  PAGE 101
4811   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4812
4813                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
4814
```

```
 SOURCE ID = VOL100       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***
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                             PAGE 102
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL101       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL102   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL103   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

```
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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                              PAGE 105
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL107       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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                              PAGE 106
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL108       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
```

```
      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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                              PAGE 107
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL109       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:42:22

                              PAGE 108
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
```

```
                    WEEK (HRDOW) *
4968
4969    SOURCE ID = VOL110       ; SOURCE TYPE = VOLUME   :
4970     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
4971    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
4972                                                DAY OF WEEK = WEEKDAY
4973       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
4974       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
4975      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4976                                                DAY OF WEEK = SATURDAY
4977       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4978       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4979      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4980                                                DAY OF WEEK = SUNDAY
4981       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4982       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4983      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4984    FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
        Ops CO\15809 Ops CO. ***        08/28/24
4985     *** AERMET - VERSION  16216 ***
         ***                                                                    ***
         13:42:22
4986
                                    PAGE 109
4987     *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4988
4989                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
4990
4991     SOURCE ID = VOL111       ; SOURCE TYPE = VOLUME   :
4992     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
4993    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
4994                                                DAY OF WEEK = WEEKDAY
4995       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
4996       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
4997      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4998                                                DAY OF WEEK = SATURDAY
4999       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5000       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5001      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5002                                                DAY OF WEEK = SUNDAY
5003       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5004       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5005      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL112 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL113 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14					

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          .0000E+00   15  .0000E+00   16  .0000E+00
5045       17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5046                                                DAY OF WEEK = SUNDAY
5047       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
5048       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
5049       17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5050   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
5051    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:42:22
5052
                                    PAGE 112
5053    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5054
5055                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
5056
5057    SOURCE ID = VOL114       ; SOURCE TYPE = VOLUME   :
5058     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
5059    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - - -
5060                                                DAY OF WEEK = WEEKDAY
5061       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .1000E+01
5062       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .0000E+00
5063       17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5064                                                DAY OF WEEK = SATURDAY
5065       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
5066       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
5067       17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5068                                                DAY OF WEEK = SUNDAY
5069       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
5070       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
5071       17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5072   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
5073    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:42:22
5074
                                    PAGE 113
5075    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5076
5077                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
5078
5079    SOURCE ID = VOL115       ; SOURCE TYPE = VOLUME   :
5080     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
5081    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - - -
5082                                                DAY OF WEEK = WEEKDAY
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5083       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
5084       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
5085      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5086                                                DAY OF WEEK = SATURDAY
5087       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5088       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5089      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5090                                                DAY OF WEEK = SUNDAY
5091       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5092       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5093      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5094  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
5095   *** AERMET - VERSION  16216 ***
       ***                                                                    ***
       13:42:22
5096
                                  PAGE 114
5097   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5098
5099                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                         WEEK (HRDOW) *
5100
5101   SOURCE ID = VOL116       ; SOURCE TYPE = VOLUME   :
5102    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
5103   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - - - -
5104                                                DAY OF WEEK = WEEKDAY
5105       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
5106       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
5107      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5108                                                DAY OF WEEK = SATURDAY
5109       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5110       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5111      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5112                                                DAY OF WEEK = SUNDAY
5113       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5114       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5115      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5116  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
5117   *** AERMET - VERSION  16216 ***
       ***                                                                    ***
       13:42:22
5118
                                  PAGE 115
5119   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
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5120
5121                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
5122
5123    SOURCE ID = VOL117       ; SOURCE TYPE = VOLUME   :
5124     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
5125    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
5126                                                DAY OF WEEK = WEEKDAY
5127       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
5128       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
5129      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5130                                                DAY OF WEEK = SATURDAY
5131       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5132       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5133      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5134                                                DAY OF WEEK = SUNDAY
5135       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5136       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5137      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5138    FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
        Ops CO\15809 Ops CO. ***        08/28/24
5139     *** AERMET - VERSION  16216 ***
         ***                                                                    ***
         13:42:22
5140
                                    PAGE 116
5141     *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5142
5143                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
5144
5145    SOURCE ID = VOL122       ; SOURCE TYPE = VOLUME   :
5146     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
5147    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
5148                                                DAY OF WEEK = WEEKDAY
5149       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
5150       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
5151      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5152                                                DAY OF WEEK = SATURDAY
5153       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5154       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5155      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5156                                                DAY OF WEEK = SUNDAY
5157       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5158       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
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5159      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5160   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
5161    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:42:22
5162
                                    PAGE 117
5163    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5164
5165                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
5166
5167    SOURCE ID = VOL123       ; SOURCE TYPE = VOLUME   :
5168     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
5169    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
5170                                                DAY OF WEEK = WEEKDAY
5171       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
5172       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
5173      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5174                                                DAY OF WEEK = SATURDAY
5175       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5176       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5177      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5178                                                DAY OF WEEK = SUNDAY
5179       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5180       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5181      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5182   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
5183    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:42:22
5184
                                    PAGE 118
5185    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5186
5187                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
5188
5189    SOURCE ID = VOL124       ; SOURCE TYPE = VOLUME   :
5190     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
5191    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
5192                                                DAY OF WEEK = WEEKDAY
5193       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
5194       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
5195      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5196                                                DAY OF WEEK = SATURDAY
5197       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
```

```
      .0000E+00    7  .0000E+00    8  .0000E+00
5198   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
       .0000E+00   15  .0000E+00   16  .0000E+00
5199  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
       .0000E+00   23  .0000E+00   24  .0000E+00
5200                                          DAY OF WEEK = SUNDAY
5201   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
       .0000E+00    7  .0000E+00    8  .0000E+00
5202   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
       .0000E+00   15  .0000E+00   16  .0000E+00
5203  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
       .0000E+00   23  .0000E+00   24  .0000E+00
5204  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
5205   *** AERMET - VERSION  16216 ***
       ***                                                                    ***
       13:42:22
5206
                                PAGE 119
5207   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5208
5209                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
5210
5211   SOURCE ID = VOL125       ; SOURCE TYPE = VOLUME   :
5212    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
5213   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
5214                                          DAY OF WEEK = WEEKDAY
5215   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
       .0000E+00    7  .0000E+00    8  .1000E+01
5216   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
       .1000E+01   15  .1000E+01   16  .0000E+00
5217  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
       .0000E+00   23  .0000E+00   24  .0000E+00
5218                                          DAY OF WEEK = SATURDAY
5219   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
       .0000E+00    7  .0000E+00    8  .0000E+00
5220   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
       .0000E+00   15  .0000E+00   16  .0000E+00
5221  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
       .0000E+00   23  .0000E+00   24  .0000E+00
5222                                          DAY OF WEEK = SUNDAY
5223   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
       .0000E+00    7  .0000E+00    8  .0000E+00
5224   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
       .0000E+00   15  .0000E+00   16  .0000E+00
5225  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
       .0000E+00   23  .0000E+00   24  .0000E+00
5226  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
5227   *** AERMET - VERSION  16216 ***
       ***                                                                    ***
       13:42:22
5228
                                PAGE 120
5229   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5230
5231                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
5232
5233   SOURCE ID = VOL126       ; SOURCE TYPE = VOLUME   :
5234    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
5235   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

```
    - - - - - - - - - - - - - - - - - - - - -
5236                                                DAY OF WEEK = WEEKDAY
5237       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
5238       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
5239      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5240                                                DAY OF WEEK = SATURDAY
5241       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5242       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5243      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5244                                                DAY OF WEEK = SUNDAY
5245       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5246       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5247      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5248   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
    Ops CO\15809 Ops CO. ***        08/28/24
5249    *** AERMET - VERSION  16216 ***
        ***                                                                          ***
        13:42:22
5250
                                  PAGE 121
5251    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5252
5253                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
5254
5255    SOURCE ID = VOL127       ; SOURCE TYPE = VOLUME   :
5256     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
5257    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
    - - - - - - - - - - - - - - - - - - - - -
5258                                                DAY OF WEEK = WEEKDAY
5259       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
5260       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
5261      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5262                                                DAY OF WEEK = SATURDAY
5263       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5264       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5265      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5266                                                DAY OF WEEK = SUNDAY
5267       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5268       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5269      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5270   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
    Ops CO\15809 Ops CO. ***        08/28/24
5271    *** AERMET - VERSION  16216 ***
        ***                                                                          ***
        13:42:22
5272
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL128 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

FF *** AERMOD - VERSION 23132 *** *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Ops CO\15809 Ops CO. *** 08/28/24

*** AERMET - VERSION 16216 ***

*** ***

13:42:22

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL129 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00

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5312       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5313      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
5314   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
5315    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:42:22
5316
                                    PAGE 124
5317    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5318
5319                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
5320
5321    SOURCE ID = VOL130       ; SOURCE TYPE = VOLUME   :
5322     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
        SCALAR   HOUR   SCALAR   HOUR   SCALAR
5323    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
5324                                                DAY OF WEEK = WEEKDAY
5325       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
5326       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
5327      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
5328                                                DAY OF WEEK = SATURDAY
5329       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5330       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5331      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
5332                                                DAY OF WEEK = SUNDAY
5333       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5334       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5335      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
5336   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
5337    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:42:22
5338
                                    PAGE 125
5339    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5340
5341                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
5342
5343    SOURCE ID = VOL137       ; SOURCE TYPE = VOLUME   :
5344     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
        SCALAR   HOUR   SCALAR   HOUR   SCALAR
5345    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
5346                                                DAY OF WEEK = WEEKDAY
5347       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
5348       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
5349      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
```

5350 DAY OF WEEK = SATURDAY
5351 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
5352 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
5353 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
5354 DAY OF WEEK = SUNDAY
5355 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
5356 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
5357 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
5358 FF *** AERMOD - VERSION 23132 *** *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Ops CO\15809 Ops CO. *** 08/28/24
5359 *** AERMET - VERSION 16216 ***
*** ***
13:42:22
5360
PAGE 126
5361 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*
5362
5363 * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *
5364
5365 SOURCE ID = VOL138 ; SOURCE TYPE = VOLUME :
5366 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
5367 - - -

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 SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - -
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL141 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

FF *** AERMOD - VERSION 23132 *** *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Ops CO\15809 Ops CO. *** 08/28/24
 *** AERMET - VERSION 16216 ***
 *** ***

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL142 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

```
5465       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5466       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5467      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
5468   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
5469    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:42:22
5470
                                    PAGE 131
5471    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5472
5473                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
5474
5475    SOURCE ID = VOL144       ; SOURCE TYPE = VOLUME   :
5476     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
5477    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
5478                                                DAY OF WEEK = WEEKDAY
5479       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
5480       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
5481      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
5482                                                DAY OF WEEK = SATURDAY
5483       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5484       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5485      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
5486                                                DAY OF WEEK = SUNDAY
5487       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5488       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5489      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
5490   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
5491    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:42:22
5492
                                    PAGE 132
5493    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5494
5495                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
5496
5497    SOURCE ID = VOL152       ; SOURCE TYPE = VOLUME   :
5498     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
5499    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
5500                                                DAY OF WEEK = WEEKDAY
5501       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
5502       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
```

```
5503      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5504                                                  DAY OF WEEK = SATURDAY
5505       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
5506       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
5507      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5508                                                  DAY OF WEEK = SUNDAY
5509       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
5510       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
5511      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5512    FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
    Ops CO\15809 Ops CO. ***        08/28/24
5513     *** AERMET - VERSION  16216 ***
         ***                                                                    ***
         13:42:22
5514
                                    PAGE 133
5515     *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5516
5517                       * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                           WEEK (HRDOW) *
5518
5519     SOURCE ID = VOL153       ; SOURCE TYPE = VOLUME   :
5520      HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
          SCALAR   HOUR   SCALAR   HOUR   SCALAR
5521    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
    - - - - - - - - - - - - - - - - - - - -
5522                                                  DAY OF WEEK = WEEKDAY
5523       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .1000E+01
5524       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .0000E+00
5525      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5526                                                  DAY OF WEEK = SATURDAY
5527       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
5528       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
5529      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5530                                                  DAY OF WEEK = SUNDAY
5531       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
5532       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
5533      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5534    FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
    Ops CO\15809 Ops CO. ***        08/28/24
5535     *** AERMET - VERSION  16216 ***
         ***                                                                    ***
         13:42:22
5536
                                    PAGE 134
5537     *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5538
5539                       * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                           WEEK (HRDOW) *
5540
```

```
 SOURCE ID = VOL154       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***
 13:42:22

                            PAGE 135
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL155       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL156   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL157   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

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      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
    .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:42:22

                              PAGE 138
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL158       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
     9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
    .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
    .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
    .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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                              PAGE 139
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL159       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
```

```
      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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                              PAGE 140
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL160       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:42:22

                              PAGE 141
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
```

```
                    WEEK (HRDOW) *
5694
5695    SOURCE ID = VOL161       ; SOURCE TYPE = VOLUME   :
5696     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
5697    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
5698                                                DAY OF WEEK = WEEKDAY
5699       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
5700       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
5701      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5702                                                DAY OF WEEK = SATURDAY
5703       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5704       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5705      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5706                                                DAY OF WEEK = SUNDAY
5707       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5708       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5709      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5710    FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
        Ops CO\15809 Ops CO. ***        08/28/24
5711     *** AERMET - VERSION  16216 ***
         ***                                                                    ***
         13:42:22
5712
                                    PAGE 142
5713     *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5714
5715                       * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                           WEEK (HRDOW) *
5716
5717     SOURCE ID = VOL164       ; SOURCE TYPE = VOLUME   :
5718     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
5719    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
5720                                                DAY OF WEEK = WEEKDAY
5721       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
5722       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
5723      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5724                                                DAY OF WEEK = SATURDAY
5725       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5726       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5727      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5728                                                DAY OF WEEK = SUNDAY
5729       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5730       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5731      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL165 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(496491.3,	3767684.6,	836.3,	1522.0,	2.0);	(496509.6,	3767701.3, 837.5, 1522.0, 2.0);
(496521.2,	3767712.1,	838.2,	1522.0,	2.0);	(496534.5,	3767724.3, 839.1, 1522.0, 2.0);
(496563.4,	3767745.6,	840.0,	1522.0,	2.0);	(496575.5,	3767754.3, 840.5, 1522.0, 2.0);
(496589.5,	3767762.6,	840.7,	1522.0,	2.0);	(496604.9,	3767771.6, 840.9, 1522.0, 2.0);
(496619.4,	3767780.2,	841.1,	1522.0,	2.0);	(496633.1,	3767787.0, 841.5, 1522.0, 2.0);
(496647.9,	3767797.3,	842.7,	1522.0,	2.0);	(496661.0,	3767803.9, 843.9, 1522.0, 2.0);
(496675.7,	3767812.1,	844.7,	1522.0,	2.0);	(496691.0,	3767821.9, 845.6, 1522.0, 2.0);
(496703.2,	3767832.6,	846.8,	1522.0,	2.0);	(496717.5,	

```
      3767837.2,     847.8,    1522.0,       2.0);
5771  ( 496731.8, 3767845.2,     848.7,    1522.0,       2.0);         ( 496744.7,
      3767855.9,     849.5,    1522.0,       2.0);
5772  ( 496759.5, 3767861.5,     850.1,    1522.0,       2.0);         ( 496789.1,
      3767879.0,     851.7,    1522.0,       2.0);
5773  ( 496845.4, 3767943.8,     853.6,    1708.0,       2.0);         ( 496884.5,
      3767947.2,     855.0,    1708.0,       2.0);
5774  ( 497023.0, 3767549.1,     856.3,    1522.0,       2.0);         ( 496976.9,
      3767441.9,     855.4,    1522.0,       2.0);
5775  ( 496745.3, 3767481.3,     842.8,    1522.0,       2.0);         ( 496485.9,
      3767499.6,     829.0,    1522.0,       2.0);
5776  ( 496274.0, 3767438.7,     819.9,    1522.0,       2.0);         ( 496184.7,
      3767504.2,     818.3,    1522.0,       2.0);
5777  ( 496192.5, 3767584.9,     819.7,    1522.0,
      2.0);
5778  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
5779   *** AERMET - VERSION  16216 ***
       ***                                                                    ***
       13:42:22
5780
                                  PAGE 145
5781   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5782
5783                                          *** METEOROLOGICAL DAYS SELECTED FOR
                                               PROCESSING ***
5784                                                        (1=YES; 0=NO)
5785
5786            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
                1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
5787            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
                1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
5788            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
                1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
5789            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
                1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
5790            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
                1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
5791            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
                1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
5792            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
                1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
5793            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1
5794
5795                NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT
                    IS INCLUDED IN THE DATA FILE.
5796
5797
5798
5799                                   *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED
                                       CATEGORIES ***
5800                                                    (METERS/SEC)
5801
5802                                                1.54,   3.09,   5.14,   8.23,  10.80,
5803  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
5804   *** AERMET - VERSION  16216 ***
       ***                                                                    ***
       13:42:22
5805
                                  PAGE 146
5806   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5807
5808                                        *** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA
                                            ***
5809
```

```
5810      Surface file:
          ..\RDLD_V9_ADJU\RDLD_v9.SFC
          Met Version:  16216
5811      Profile file:
          ..\RDLD_V9_ADJU\RDLD_v9.PFL
5812      Surface format:
          FREE

5813      Profile format:
          FREE

5814      Surface station no.:     3171                  Upper air station no.:     3190
5815                      Name: UNKNOWN                                  Name:
                          UNKNOWN
5816                      Year:   2012                                   Year:   2012
5817
5818     First 24 hours of scalar data
5819     YR MO DY JDY HR     H0     U*     W*  DT/DZ ZICNV ZIMCH  M-O LEN    Z0  BOWEN ALBEDO
         REF WS   WD     HT  REF TA     HT
5820    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - -
5821     12 01 01   1 01  -10.6  0.149 -9.000 -9.000 -999.  138.     26.7  0.32   3.22   1.00
         1.30  110.    9.1  285.4    5.5
5822     12 01 01   1 02   -5.0  0.102 -9.000 -9.000 -999.   78.     17.9  0.32   3.22   1.00
         0.90  130.    9.1  284.5    5.5
5823     12 01 01   1 03   -5.0  0.102 -9.000 -9.000 -999.   78.     17.9  0.32   3.22   1.00
         0.90  100.    9.1  285.0    5.5
5824     12 01 01   1 04   -5.0  0.102 -9.000 -9.000 -999.   78.     17.9  0.32   3.22   1.00
         0.90  107.    9.1  284.6    5.5
5825     12 01 01   1 05  -10.7  0.149 -9.000 -9.000 -999.  138.     26.7  0.32   3.22   1.00
         1.30   98.    9.1  284.9    5.5
5826     12 01 01   1 06   -5.0  0.102 -9.000 -9.000 -999.   78.     17.9  0.32   3.22   1.00
         0.90   86.    9.1  284.5    5.5
5827     12 01 01   1 07   -5.0  0.102 -9.000 -9.000 -999.   78.     17.9  0.32   3.22   1.00
         0.90   91.    9.1  284.0    5.5
5828     12 01 01   1 08   -4.0  0.102 -9.000 -9.000 -999.   78.     22.9  0.32   3.22   0.54
         0.90  107.    9.1  285.0    5.5
5829     12 01 01   1 09   44.6  0.237  0.382  0.006   43.  276.    -25.6  0.15   3.22   0.33
         2.10   81.   10.1  289.1    5.5
5830     12 01 01   1 10  134.3  0.111  0.882  0.008  176.   99.     -1.0  0.32   3.22   0.26
         0.40   72.    9.1  295.1    5.5
5831     12 01 01   1 11  199.8  0.409  1.429  0.005  503.  627.    -29.4  0.15   3.22   0.23
         3.68   78.   10.1  297.9    5.5
5832     12 01 01   1 12  232.3  0.300  1.889  0.005  999.  402.    -10.0  0.32   3.22   0.22
         1.80  333.    9.1  299.4    5.5
5833     12 01 01   1 13  230.0  0.300  2.134  0.005 1453.  394.    -10.1  0.32   3.22   0.22
         1.80   72.    9.1  300.4    5.5
5834     12 01 01   1 14  194.0  0.294  2.109  0.005 1663.  382.    -11.2  0.32   3.22   0.24
         1.80  277.    9.1  301.0    5.5
5835     12 01 01   1 15  126.3  0.378  1.872  0.005 1784.  557.    -36.5  0.32   3.22   0.27
         2.70  243.    9.1  301.0    5.5
5836     12 01 01   1 16   39.5  0.199  1.278  0.005 1817.  240.    -17.2  0.32   3.22   0.36
         1.30  274.    9.1  300.1    5.5
5837     12 01 01   1 17   -4.7  0.101 -9.000 -9.000 -999.   85.     19.0  0.32   3.22   0.65
         0.90  252.    9.1  298.2    5.5
5838     12 01 01   1 18   -4.9  0.102 -9.000 -9.000 -999.   78.     18.2  0.32   3.22   1.00
         0.90  116.    9.1  296.4    5.5
5839     12 01 01   1 19  -18.8  0.204 -9.000 -9.000 -999.  220.     45.6  0.15   3.22   1.00
         2.27   79.   10.1  292.2    5.5
5840     12 01 01   1 20   -5.0  0.102 -9.000 -9.000 -999.   83.     18.1  0.32   3.22   1.00
         0.90   95.    9.1  290.2    5.5
5841     12 01 01   1 21   -5.0  0.102 -9.000 -9.000 -999.   78.     18.0  0.32   3.22   1.00
         0.90   99.    9.1  287.8    5.5
5842     12 01 01   1 22   -5.0  0.102 -9.000 -9.000 -999.   78.     18.0  0.32   3.22   1.00
         0.90  110.    9.1  287.6    5.5
5843     12 01 01   1 23  -10.6  0.149 -9.000 -9.000 -999.  138.     26.8  0.32   3.22   1.00
```

```
 1.30   89.    9.1  287.2    5.5
 12 01 01   1 24   -5.0  0.102 -9.000 -9.000 -999.   78.     17.9  0.32   3.22   1.00
 0.90  105.    9.1  285.9    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 12 01 01 01    5.5 0 -999.  -99.00   285.5   99.0  -99.00  -99.00
 12 01 01 01    9.1 1  110.    1.30  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:42:22

                              PAGE 147
*** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES
                              FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     VOL1        , VOL2        ,
                                  VOL3        , VOL4        , VOL5        ,
                 VOL6        , VOL7        , VOL8        , VOL9        , VOL10       ,
                 VOL11       , VOL13       , VOL14       ,
                 VOL15       , VOL16       , VOL17       , VOL18       , VOL19       ,
                 VOL20       , VOL21       , VOL22       ,
                 VOL23       , VOL24       , VOL25       , VOL26       , VOL27       ,
                 VOL28       , VOL29       ,  . . .      ,

                                    *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                  ** CONC OF NOX      IN
                                  MICROGRAMS/M**3                          **

     X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)             X-COORD (M)
     Y-COORD (M)        CONC     (YYMMDDHH)
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       496491.32   3767684.64       67.91273  (12110208)               496509.63
       3767701.31       65.34165  (12110208)
       496521.17   3767712.07       63.52233  (12110208)               496534.49
       3767724.30       63.60950  (15021008)
       496563.40   3767745.58       63.80276  (15021008)               496575.48
       3767754.30       62.84401  (15021008)
       496589.51   3767762.56       63.26484  (15021008)               496604.86
       3767771.60       63.06671  (15021008)
       496619.43   3767780.25       62.77466  (15021008)               496633.15
       3767787.03       64.01754  (15021008)
       496647.88   3767797.32       63.14637  (15021008)               496661.05
       3767803.94       64.04374  (15021008)
       496675.70   3767812.13       62.62215  (15021008)               496691.05
       3767821.95       59.34758  (15021008)
       496703.21   3767832.62       54.36155  (15021008)               496717.55
       3767837.22       54.20144  (15021008)
       496731.81   3767845.25       50.50765  (15021008)               496744.74
       3767855.92       44.66329  (15021008)
       496759.47   3767861.53       41.90528  (15021008)               496789.08
       3767878.99       30.85710  (15021008)
       496845.37   3767943.79       15.10523  (15021008)               496884.55
       3767947.23       13.02084  (15021008)
       497022.97   3767549.13       38.57146  (12121808)               496976.92
       3767441.88       21.11792  (12121808)
       496745.27   3767481.35       40.63349  (15021008)               496485.87
       3767499.65       39.64023  (15021008)
```

```
         496273.95   3767438.73       14.85386  (12121315)                496184.72
         3767504.22       12.11343  (12110208)
         496192.45   3767584.87       21.49467
         (12110208)

FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:42:22

                                PAGE 148
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                                                *** THE SUMMARY OF HIGHEST  1-HR RESULTS
                                                ***


                                    ** CONC OF NOX      IN
                                    MICROGRAMS/M**3                           **


                                                        DATE

                                                       NETWORK
GROUP ID                           AVERAGE CONC     (YYMMDDHH)             RECEPTOR  (XR,
YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -

ALL      HIGH   1ST HIGH VALUE IS      67.91273  ON 12110208: AT (  496491.32,
3767684.64,   836.32,  1522.00,    2.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:42:22

                                PAGE 149
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

 *** Message Summary : AERMOD Model Execution ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of          388 Informational Message(s)

 A Total of        43848 Hours Were Processed

 A Total of          191 Calm Hours Identified

 A Total of          197 Missing Hours Identified (  0.45 Percent)


    ******** FATAL ERROR MESSAGES ********
                ***  NONE  ***
```

```
   ********   WARNING MESSAGES   ********
ME W186    2378       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold
used           0.50
ME W187    2378       MEOPEN: ADJ_U* Option for Stable Low Winds used in
AERMET

   ***********************************
   *** AERMOD Finishes Successfully ***
   ***********************************
```

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 8/28/2024
** File: C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Const PM10\15809 Const PM10.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Ops CO\15809 Ops CO.
   MODELOPT DFAULT CONC
   AVERTIME 24
   URBANOPT 2035210 San_Bernardino_County
   POLLUTID PM_10
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "15809 Const PM10.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     496472.620  3767547.290      830.120
   LOCATION VOL2         VOLUME     496495.514  3767547.297      831.070
   LOCATION VOL3         VOLUME     496541.322  3767547.282      833.810
   LOCATION VOL4         VOLUME     496518.428  3767547.276      832.290
   LOCATION VOL5         VOLUME     496564.249  3767547.271      835.340
   LOCATION VOL6         VOLUME     496587.143  3767547.277      837.220
   LOCATION VOL7         VOLUME     496610.057  3767547.256      838.820
   LOCATION VOL8         VOLUME     496632.951  3767547.263      839.830
   LOCATION VOL9         VOLUME     496747.555  3767547.242      842.940
   LOCATION VOL10        VOLUME     496770.449  3767547.249      844.590
   LOCATION VOL11        VOLUME     496793.363  3767547.228      846.080
   LOCATION VOL13        VOLUME     496724.628  3767547.254      842.460
   LOCATION VOL14        VOLUME     496701.734  3767547.247      841.360
   LOCATION VOL15        VOLUME     496678.820  3767547.268      840.740
   LOCATION VOL16        VOLUME     496655.926  3767547.261      840.600
   LOCATION VOL17        VOLUME     496793.345  3767570.508      846.500
   LOCATION VOL18        VOLUME     496770.431  3767570.529      845.110
   LOCATION VOL19        VOLUME     496747.537  3767570.523      843.280
   LOCATION VOL20        VOLUME     496724.610  3767570.534      843.170
   LOCATION VOL21        VOLUME     496701.716  3767570.528      842.530
   LOCATION VOL22        VOLUME     496678.802  3767570.549      842.090
   LOCATION VOL23        VOLUME     496632.933  3767570.544      841.220
   LOCATION VOL24        VOLUME     496655.908  3767570.542      841.880
   LOCATION VOL25        VOLUME     496610.039  3767570.537      839.800
   LOCATION VOL26        VOLUME     496587.125  3767570.558      838.340
   LOCATION VOL27        VOLUME     496564.231  3767570.551      836.860
   LOCATION VOL28        VOLUME     496541.304  3767570.563      835.220
   LOCATION VOL29        VOLUME     496518.410  3767570.556      833.690
   LOCATION VOL30        VOLUME     496495.496  3767570.577      832.160
   LOCATION VOL31        VOLUME     496472.602  3767570.571      830.850
```

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     LOCATION VOL32        VOLUME     496793.200  3767593.626      846.830
     LOCATION VOL33        VOLUME     496770.286  3767593.647      845.610
     LOCATION VOL34        VOLUME     496747.392  3767593.640      844.750
     LOCATION VOL35        VOLUME     496724.465  3767593.652      844.050
     LOCATION VOL36        VOLUME     496701.571  3767593.645      843.290
     LOCATION VOL37        VOLUME     496678.657  3767593.666      842.560
     LOCATION VOL38        VOLUME     496632.788  3767593.661      841.920
     LOCATION VOL39        VOLUME     496655.763  3767593.659      841.990
     LOCATION VOL40        VOLUME     496609.894  3767593.654      840.560
     LOCATION VOL41        VOLUME     496586.980  3767593.676      839.440
     LOCATION VOL42        VOLUME     496564.086  3767593.669      838.230
     LOCATION VOL43        VOLUME     496541.159  3767593.680      836.000
     LOCATION VOL44        VOLUME     496518.265  3767593.674      834.450
     LOCATION VOL45        VOLUME     496495.351  3767593.695      832.920
     LOCATION VOL46        VOLUME     496472.457  3767593.688      831.420
     LOCATION VOL47        VOLUME     496793.307  3767616.825      847.260
     LOCATION VOL48        VOLUME     496770.394  3767616.846      846.360
     LOCATION VOL49        VOLUME     496747.500  3767616.839      845.600
     LOCATION VOL50        VOLUME     496724.573  3767616.851      844.830
     LOCATION VOL51        VOLUME     496701.678  3767616.844      844.070
     LOCATION VOL52        VOLUME     496678.765  3767616.865      843.310
     LOCATION VOL53        VOLUME     496632.896  3767616.860      842.060
     LOCATION VOL54        VOLUME     496655.871  3767616.858      842.590
     LOCATION VOL55        VOLUME     496610.001  3767616.853      841.120
     LOCATION VOL56        VOLUME     496587.088  3767616.874      839.950
     LOCATION VOL57        VOLUME     496564.194  3767616.868      838.670
     LOCATION VOL58        VOLUME     496541.267  3767616.879      837.440
     LOCATION VOL59        VOLUME     496518.372  3767616.872      835.420
     LOCATION VOL60        VOLUME     496495.459  3767616.894      833.700
     LOCATION VOL62        VOLUME     496793.200  3767640.023      847.890
     LOCATION VOL63        VOLUME     496770.286  3767640.045      846.980
     LOCATION VOL64        VOLUME     496747.392  3767640.038      845.900
     LOCATION VOL65        VOLUME     496724.465  3767640.049      845.140
     LOCATION VOL66        VOLUME     496701.571  3767640.043      844.380
     LOCATION VOL67        VOLUME     496678.657  3767640.064      843.610
     LOCATION VOL68        VOLUME     496632.788  3767640.059      842.080
     LOCATION VOL69        VOLUME     496655.763  3767640.057      842.850
     LOCATION VOL70        VOLUME     496609.894  3767640.052      841.640
     LOCATION VOL71        VOLUME     496586.980  3767640.073      840.580
     LOCATION VOL72        VOLUME     496564.086  3767640.066      839.160
     LOCATION VOL73        VOLUME     496541.159  3767640.078      838.040
     LOCATION VOL74        VOLUME     496518.265  3767640.071      836.140
     LOCATION VOL77        VOLUME     496793.092  3767663.330      848.430
     LOCATION VOL78        VOLUME     496770.178  3767663.351      847.410
     LOCATION VOL79        VOLUME     496747.284  3767663.344      846.140
     LOCATION VOL80        VOLUME     496724.357  3767663.356      845.380
     LOCATION VOL81        VOLUME     496701.463  3767663.349      844.460
     LOCATION VOL82        VOLUME     496678.549  3767663.371      843.610
     LOCATION VOL83        VOLUME     496632.680  3767663.365      842.080
     LOCATION VOL84        VOLUME     496655.655  3767663.364      842.850
     LOCATION VOL85        VOLUME     496609.786  3767663.359      842.000
     LOCATION VOL86        VOLUME     496586.872  3767663.380      841.110
     LOCATION VOL87        VOLUME     496563.978  3767663.373      839.580
     LOCATION VOL88        VOLUME     496541.051  3767663.385      838.050
     LOCATION VOL89        VOLUME     496518.157  3767663.378      836.700
     LOCATION VOL92        VOLUME     496793.092  3767686.421      848.430
     LOCATION VOL93        VOLUME     496770.178  3767686.442      847.660
     LOCATION VOL94        VOLUME     496747.284  3767686.435      846.900
     LOCATION VOL95        VOLUME     496724.357  3767686.447      846.140
     LOCATION VOL96        VOLUME     496701.463  3767686.440      844.750
     LOCATION VOL97        VOLUME     496678.549  3767686.461      843.610
     LOCATION VOL98        VOLUME     496632.680  3767686.456      842.080
     LOCATION VOL99        VOLUME     496655.655  3767686.455      842.850
     LOCATION VOL100       VOLUME     496609.786  3767686.450      841.990
     LOCATION VOL101       VOLUME     496586.872  3767686.471      841.100
     LOCATION VOL102       VOLUME     496563.978  3767686.464      839.580
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     LOCATION VOL103       VOLUME     496541.051  3767686.476      838.060
     LOCATION VOL107       VOLUME     496793.092  3767709.512      848.430
     LOCATION VOL108       VOLUME     496770.178  3767709.533      847.660
     LOCATION VOL109       VOLUME     496747.284  3767709.526      846.900
     LOCATION VOL110       VOLUME     496724.357  3767709.538      846.140
     LOCATION VOL111       VOLUME     496701.463  3767709.531      844.750
     LOCATION VOL112       VOLUME     496678.549  3767709.552      843.610
     LOCATION VOL113       VOLUME     496632.680  3767709.547      842.080
     LOCATION VOL114       VOLUME     496655.655  3767709.546      842.850
     LOCATION VOL115       VOLUME     496609.786  3767709.540      841.470
     LOCATION VOL116       VOLUME     496586.872  3767709.562      840.670
     LOCATION VOL117       VOLUME     496563.978  3767709.555      839.740
     LOCATION VOL122       VOLUME     496792.876  3767732.711      848.650
     LOCATION VOL123       VOLUME     496769.962  3767732.732      847.660
     LOCATION VOL124       VOLUME     496747.068  3767732.725      846.890
     LOCATION VOL125       VOLUME     496724.141  3767732.737      846.130
     LOCATION VOL126       VOLUME     496701.247  3767732.730      844.730
     LOCATION VOL127       VOLUME     496678.333  3767732.751      843.380
     LOCATION VOL128       VOLUME     496632.464  3767732.746      841.520
     LOCATION VOL129       VOLUME     496655.439  3767732.744      842.290
     LOCATION VOL130       VOLUME     496609.570  3767732.739      840.760
     LOCATION VOL137       VOLUME     496792.768  3767755.909      849.020
     LOCATION VOL138       VOLUME     496769.854  3767755.931      847.980
     LOCATION VOL139       VOLUME     496746.960  3767755.924      847.180
     LOCATION VOL140       VOLUME     496724.033  3767755.935      846.170
     LOCATION VOL141       VOLUME     496701.139  3767755.929      844.520
     LOCATION VOL142       VOLUME     496678.225  3767755.950      843.000
     LOCATION VOL144       VOLUME     496655.331  3767755.943      841.840
     LOCATION VOL152       VOLUME     496792.598  3767779.016      849.410
     LOCATION VOL153       VOLUME     496769.685  3767779.038      848.650
     LOCATION VOL154       VOLUME     496746.790  3767779.031      847.780
     LOCATION VOL155       VOLUME     496723.863  3767779.042      846.320
     LOCATION VOL156       VOLUME     496700.969  3767779.036      844.230
     LOCATION VOL157       VOLUME     496678.056  3767779.057      842.790
     LOCATION VOL158       VOLUME     496792.382  3767802.215      849.400
     LOCATION VOL159       VOLUME     496769.469  3767802.236      848.640
     LOCATION VOL160       VOLUME     496746.575  3767802.230      847.860
     LOCATION VOL161       VOLUME     496723.648  3767802.241      847.000
     LOCATION VOL164       VOLUME     496792.382  3767825.198      850.040
     LOCATION VOL165       VOLUME     496769.469  3767825.219      849.280
     LOCATION PAREA1       AREAPOLY   496461.488  3767535.794      829.360
** Source Parameters **
     SRCPARAM VOL1         0.0002236152     5.000     5.309     1.400
     SRCPARAM VOL2         0.0002236152     5.000     5.309     1.400
     SRCPARAM VOL3         0.0002236152     5.000     5.309     1.400
     SRCPARAM VOL4         0.0002236152     5.000     5.309     1.400
     SRCPARAM VOL5         0.0002236152     5.000     5.309     1.400
     SRCPARAM VOL6         0.0002236152     5.000     5.309     1.400
     SRCPARAM VOL7         0.0002236152     5.000     5.309     1.400
     SRCPARAM VOL8         0.0002236152     5.000     5.309     1.400
     SRCPARAM VOL9         0.0002236152     5.000     5.309     1.400
     SRCPARAM VOL10        0.0002236152     5.000     5.309     1.400
     SRCPARAM VOL11        0.0002236152     5.000     5.309     1.400
     SRCPARAM VOL13        0.0002236152     5.000     5.309     1.400
     SRCPARAM VOL14        0.0002236152     5.000     5.309     1.400
     SRCPARAM VOL15        0.0002236152     5.000     5.309     1.400
     SRCPARAM VOL16        0.0002236152     5.000     5.309     1.400
     SRCPARAM VOL17        0.0002236152     5.000     5.309     1.400
     SRCPARAM VOL18        0.0002236152     5.000     5.309     1.400
     SRCPARAM VOL19        0.0002236152     5.000     5.309     1.400
     SRCPARAM VOL20        0.0002236152     5.000     5.309     1.400
     SRCPARAM VOL21        0.0002236152     5.000     5.309     1.400
     SRCPARAM VOL22        0.0002236152     5.000     5.309     1.400
     SRCPARAM VOL23        0.0002236152     5.000     5.309     1.400
     SRCPARAM VOL24        0.0002236152     5.000     5.309     1.400
     SRCPARAM VOL25        0.0002236152     5.000     5.309     1.400
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199      SRCPARAM VOL26        0.0002236152     5.000     5.309     1.400
200      SRCPARAM VOL27        0.0002236152     5.000     5.309     1.400
201      SRCPARAM VOL28        0.0002236152     5.000     5.309     1.400
202      SRCPARAM VOL29        0.0002236152     5.000     5.309     1.400
203      SRCPARAM VOL30        0.0002236152     5.000     5.309     1.400
204      SRCPARAM VOL31        0.0002236152     5.000     5.309     1.400
205      SRCPARAM VOL32        0.0002236152     5.000     5.309     1.400
206      SRCPARAM VOL33        0.0002236152     5.000     5.309     1.400
207      SRCPARAM VOL34        0.0002236152     5.000     5.309     1.400
208      SRCPARAM VOL35        0.0002236152     5.000     5.309     1.400
209      SRCPARAM VOL36        0.0002236152     5.000     5.309     1.400
210      SRCPARAM VOL37        0.0002236152     5.000     5.309     1.400
211      SRCPARAM VOL38        0.0002236152     5.000     5.309     1.400
212      SRCPARAM VOL39        0.0002236152     5.000     5.309     1.400
213      SRCPARAM VOL40        0.0002236152     5.000     5.309     1.400
214      SRCPARAM VOL41        0.0002236152     5.000     5.309     1.400
215      SRCPARAM VOL42        0.0002236152     5.000     5.309     1.400
216      SRCPARAM VOL43        0.0002236152     5.000     5.309     1.400
217      SRCPARAM VOL44        0.0002236152     5.000     5.309     1.400
218      SRCPARAM VOL45        0.0002236152     5.000     5.309     1.400
219      SRCPARAM VOL46        0.0002236152     5.000     5.309     1.400
220      SRCPARAM VOL47        0.0002236152     5.000     5.309     1.400
221      SRCPARAM VOL48        0.0002236152     5.000     5.309     1.400
222      SRCPARAM VOL49        0.0002236152     5.000     5.309     1.400
223      SRCPARAM VOL50        0.0002236152     5.000     5.309     1.400
224      SRCPARAM VOL51        0.0002236152     5.000     5.309     1.400
225      SRCPARAM VOL52        0.0002236152     5.000     5.309     1.400
226      SRCPARAM VOL53        0.0002236152     5.000     5.309     1.400
227      SRCPARAM VOL54        0.0002236152     5.000     5.309     1.400
228      SRCPARAM VOL55        0.0002236152     5.000     5.309     1.400
229      SRCPARAM VOL56        0.0002236152     5.000     5.309     1.400
230      SRCPARAM VOL57        0.0002236152     5.000     5.309     1.400
231      SRCPARAM VOL58        0.0002236152     5.000     5.309     1.400
232      SRCPARAM VOL59        0.0002236152     5.000     5.309     1.400
233      SRCPARAM VOL60        0.0002236152     5.000     5.309     1.400
234      SRCPARAM VOL62        0.0002236152     5.000     5.309     1.400
235      SRCPARAM VOL63        0.0002236152     5.000     5.309     1.400
236      SRCPARAM VOL64        0.0002236152     5.000     5.309     1.400
237      SRCPARAM VOL65        0.0002236152     5.000     5.309     1.400
238      SRCPARAM VOL66        0.0002236152     5.000     5.309     1.400
239      SRCPARAM VOL67        0.0002236152     5.000     5.309     1.400
240      SRCPARAM VOL68        0.0002236152     5.000     5.309     1.400
241      SRCPARAM VOL69        0.0002236152     5.000     5.309     1.400
242      SRCPARAM VOL70        0.0002236152     5.000     5.309     1.400
243      SRCPARAM VOL71        0.0002236152     5.000     5.309     1.400
244      SRCPARAM VOL72        0.0002236152     5.000     5.309     1.400
245      SRCPARAM VOL73        0.0002236152     5.000     5.309     1.400
246      SRCPARAM VOL74        0.0002236152     5.000     5.309     1.400
247      SRCPARAM VOL77        0.0002236152     5.000     5.309     1.400
248      SRCPARAM VOL78        0.0002236152     5.000     5.309     1.400
249      SRCPARAM VOL79        0.0002236152     5.000     5.309     1.400
250      SRCPARAM VOL80        0.0002236152     5.000     5.309     1.400
251      SRCPARAM VOL81        0.0002236152     5.000     5.309     1.400
252      SRCPARAM VOL82        0.0002236152     5.000     5.309     1.400
253      SRCPARAM VOL83        0.0002236152     5.000     5.309     1.400
254      SRCPARAM VOL84        0.0002236152     5.000     5.309     1.400
255      SRCPARAM VOL85        0.0002236152     5.000     5.309     1.400
256      SRCPARAM VOL86        0.0002236152     5.000     5.309     1.400
257      SRCPARAM VOL87        0.0002236152     5.000     5.309     1.400
258      SRCPARAM VOL88        0.0002236152     5.000     5.309     1.400
259      SRCPARAM VOL89        0.0002236152     5.000     5.309     1.400
260      SRCPARAM VOL92        0.0002236152     5.000     5.309     1.400
261      SRCPARAM VOL93        0.0002236152     5.000     5.309     1.400
262      SRCPARAM VOL94        0.0002236152     5.000     5.309     1.400
263      SRCPARAM VOL95        0.0002236152     5.000     5.309     1.400
264      SRCPARAM VOL96        0.0002236152     5.000     5.309     1.400
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    SRCPARAM VOL97        0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL98        0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL99        0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL100       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL101       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL102       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL103       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL107       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL108       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL109       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL110       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL111       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL112       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL113       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL114       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL115       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL116       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL117       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL122       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL123       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL124       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL125       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL126       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL127       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL128       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL129       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL130       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL137       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL138       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL139       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL140       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL141       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL142       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL144       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL152       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL153       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL154       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL155       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL156       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL157       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL158       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL159       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL160       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL161       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL164       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL165       0.0002236152     5.000     5.309     1.400
    SRCPARAM PAREA1       1.2408E-06     0.000        22     1.000
    AREAVERT PAREA1       496461.488 3767535.794 496461.134 3767604.780
    AREAVERT PAREA1       496484.129 3767605.134 496483.776 3767628.837
    AREAVERT PAREA1       496506.771 3767629.191 496506.771 3767674.828
    AREAVERT PAREA1       496529.766 3767674.474 496529.766 3767697.823
    AREAVERT PAREA1       496552.762 3767698.177 496552.408 3767721.172
    AREAVERT PAREA1       496598.045 3767720.465 496598.399 3767744.168
    AREAVERT PAREA1       496644.036 3767744.168 496643.682 3767766.809
    AREAVERT PAREA1       496666.677 3767767.517 496666.677 3767790.512
    AREAVERT PAREA1       496711.607 3767790.512 496712.314 3767813.154
    AREAVERT PAREA1       496757.951 3767813.507 496757.951 3767836.149
    AREAVERT PAREA1       496803.942 3767836.503 496804.296 3767536.502
    URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
    EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT VOL1         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT VOL1         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL2         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL3         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL4         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL5         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Sunday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL6         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL7         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL8         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL9         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL10        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL11        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL13        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL14        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL15        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL16        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL17        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL18        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL19        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL20        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL21        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL22        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL23        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL24        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL25        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL26        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL27        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL28        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Sunday:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL29        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL30        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL31        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL32        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL33        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL34        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL35        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL36        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL37        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL38        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL39        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL40        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL41        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL42        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL43        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL44        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL45        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL46        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL47        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL48        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL49        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL50        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Sunday:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL51        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL52        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL53        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL54        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL55        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL56        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL57        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL58        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL59        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL60        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL62        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL63        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL64        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL65        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL66        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL67        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL68        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL69        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL70        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL71        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL72        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL73        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Sunday:
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL74        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL77        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL78        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL79        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL80        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL81        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL82        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL83        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL84        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL85        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL86        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL87        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL88        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL89        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL92        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL93        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL94        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL95        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL96        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL97        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL98        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL99        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Sunday:
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL100       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL101       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL102       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL103       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL107       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL108       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL109       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL110       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL111       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL112       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL113       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL114       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL115       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL116       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL117       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL122       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL123       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL124       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL125       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL126       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL127       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL128       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Sunday:
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL129       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL130       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL137       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL138       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL139       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL140       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL141       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL142       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL144       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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     EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** Sunday:
     EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** WeekDays:
     EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL152       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
     EMISFACT VOL152       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
     EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** Saturday:
     EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** Sunday:
     EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** WeekDays:
     EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL153       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
     EMISFACT VOL153       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
     EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** Saturday:
     EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** Sunday:
     EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** WeekDays:
     EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL154       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
     EMISFACT VOL154       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
     EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** Saturday:
     EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** Sunday:
     EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** WeekDays:
     EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL155       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
     EMISFACT VOL155       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
     EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** Saturday:
     EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** Sunday:
     EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL156       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL157       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL158       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL159       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL160       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
```

```
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL161       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL164       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL165       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA1       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
** Sunday:
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
**********************************
** AERMOD Receptor Pathway
**********************************
**
**
RE STARTING
   INCLUDED "15809 Const PM10.rou"
RE FINISHED
**
**********************************
** AERMOD Meteorology Pathway
**********************************
**
**
ME STARTING
   SURFFILE ..\RDLD_V9_ADJU\RDLD_v9.SFC
   PROFFILE ..\RDLD_V9_ADJU\RDLD_v9.PFL
   SURFDATA 3171 2012
   UAIRDATA 3190 2012
   SITEDATA 99999 2012
   PROFBASE 481.0 METERS
ME FINISHED
**
**********************************
** AERMOD Output Pathway
**********************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 24 ALL 1ST "15809 CONST PM10.AD\24H1GALL.PLT" 31
   SUMMFILE "15809 Const PM10.sum"
OU FINISHED
**
**********************************
** Project Parameters
**********************************
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    North American Datum 1983
** DTMRGN   CONUS
** UNITS    m
** ZONE     11
** ZONEINX  0
**
```

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 8/28/2024
** File: C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Const PM10\15809 Const PM10.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Ops CO\15809 Ops CO.
   MODELOPT DFAULT CONC
   AVERTIME 24
   URBANOPT 2035210 San_Bernardino_County
   POLLUTID PM_10
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "15809 Const PM10.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     496472.620  3767547.290      830.120
   LOCATION VOL2         VOLUME     496495.514  3767547.297      831.070
   LOCATION VOL3         VOLUME     496541.322  3767547.282      833.810
   LOCATION VOL4         VOLUME     496518.428  3767547.276      832.290
   LOCATION VOL5         VOLUME     496564.249  3767547.271      835.340
   LOCATION VOL6         VOLUME     496587.143  3767547.277      837.220
   LOCATION VOL7         VOLUME     496610.057  3767547.256      838.820
   LOCATION VOL8         VOLUME     496632.951  3767547.263      839.830
   LOCATION VOL9         VOLUME     496747.555  3767547.242      842.940
   LOCATION VOL10        VOLUME     496770.449  3767547.249      844.590
   LOCATION VOL11        VOLUME     496793.363  3767547.228      846.080
   LOCATION VOL13        VOLUME     496724.628  3767547.254      842.460
   LOCATION VOL14        VOLUME     496701.734  3767547.247      841.360
   LOCATION VOL15        VOLUME     496678.820  3767547.268      840.740
   LOCATION VOL16        VOLUME     496655.926  3767547.261      840.600
   LOCATION VOL17        VOLUME     496793.345  3767570.508      846.500
   LOCATION VOL18        VOLUME     496770.431  3767570.529      845.110
   LOCATION VOL19        VOLUME     496747.537  3767570.523      843.280
   LOCATION VOL20        VOLUME     496724.610  3767570.534      843.170
   LOCATION VOL21        VOLUME     496701.716  3767570.528      842.530
   LOCATION VOL22        VOLUME     496678.802  3767570.549      842.090
   LOCATION VOL23        VOLUME     496632.933  3767570.544      841.220
   LOCATION VOL24        VOLUME     496655.908  3767570.542      841.880
   LOCATION VOL25        VOLUME     496610.039  3767570.537      839.800
   LOCATION VOL26        VOLUME     496587.125  3767570.558      838.340
   LOCATION VOL27        VOLUME     496564.231  3767570.551      836.860
   LOCATION VOL28        VOLUME     496541.304  3767570.563      835.220
   LOCATION VOL29        VOLUME     496518.410  3767570.556      833.690
   LOCATION VOL30        VOLUME     496495.496  3767570.577      832.160
   LOCATION VOL31        VOLUME     496472.602  3767570.571      830.850
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     LOCATION VOL32        VOLUME     496793.200  3767593.626      846.830
     LOCATION VOL33        VOLUME     496770.286  3767593.647      845.610
     LOCATION VOL34        VOLUME     496747.392  3767593.640      844.750
     LOCATION VOL35        VOLUME     496724.465  3767593.652      844.050
     LOCATION VOL36        VOLUME     496701.571  3767593.645      843.290
     LOCATION VOL37        VOLUME     496678.657  3767593.666      842.560
     LOCATION VOL38        VOLUME     496632.788  3767593.661      841.920
     LOCATION VOL39        VOLUME     496655.763  3767593.659      841.990
     LOCATION VOL40        VOLUME     496609.894  3767593.654      840.560
     LOCATION VOL41        VOLUME     496586.980  3767593.676      839.440
     LOCATION VOL42        VOLUME     496564.086  3767593.669      838.230
     LOCATION VOL43        VOLUME     496541.159  3767593.680      836.000
     LOCATION VOL44        VOLUME     496518.265  3767593.674      834.450
     LOCATION VOL45        VOLUME     496495.351  3767593.695      832.920
     LOCATION VOL46        VOLUME     496472.457  3767593.688      831.420
     LOCATION VOL47        VOLUME     496793.307  3767616.825      847.260
     LOCATION VOL48        VOLUME     496770.394  3767616.846      846.360
     LOCATION VOL49        VOLUME     496747.500  3767616.839      845.600
     LOCATION VOL50        VOLUME     496724.573  3767616.851      844.830
     LOCATION VOL51        VOLUME     496701.678  3767616.844      844.070
     LOCATION VOL52        VOLUME     496678.765  3767616.865      843.310
     LOCATION VOL53        VOLUME     496632.896  3767616.860      842.060
     LOCATION VOL54        VOLUME     496655.871  3767616.858      842.590
     LOCATION VOL55        VOLUME     496610.001  3767616.853      841.120
     LOCATION VOL56        VOLUME     496587.088  3767616.874      839.950
     LOCATION VOL57        VOLUME     496564.194  3767616.868      838.670
     LOCATION VOL58        VOLUME     496541.267  3767616.879      837.440
     LOCATION VOL59        VOLUME     496518.372  3767616.872      835.420
     LOCATION VOL60        VOLUME     496495.459  3767616.894      833.700
     LOCATION VOL62        VOLUME     496793.200  3767640.023      847.890
     LOCATION VOL63        VOLUME     496770.286  3767640.045      846.980
     LOCATION VOL64        VOLUME     496747.392  3767640.038      845.900
     LOCATION VOL65        VOLUME     496724.465  3767640.049      845.140
     LOCATION VOL66        VOLUME     496701.571  3767640.043      844.380
     LOCATION VOL67        VOLUME     496678.657  3767640.064      843.610
     LOCATION VOL68        VOLUME     496632.788  3767640.059      842.080
     LOCATION VOL69        VOLUME     496655.763  3767640.057      842.850
     LOCATION VOL70        VOLUME     496609.894  3767640.052      841.640
     LOCATION VOL71        VOLUME     496586.980  3767640.073      840.580
     LOCATION VOL72        VOLUME     496564.086  3767640.066      839.160
     LOCATION VOL73        VOLUME     496541.159  3767640.078      838.040
     LOCATION VOL74        VOLUME     496518.265  3767640.071      836.140
     LOCATION VOL77        VOLUME     496793.092  3767663.330      848.430
     LOCATION VOL78        VOLUME     496770.178  3767663.351      847.410
     LOCATION VOL79        VOLUME     496747.284  3767663.344      846.140
     LOCATION VOL80        VOLUME     496724.357  3767663.356      845.380
     LOCATION VOL81        VOLUME     496701.463  3767663.349      844.460
     LOCATION VOL82        VOLUME     496678.549  3767663.371      843.610
     LOCATION VOL83        VOLUME     496632.680  3767663.365      842.080
     LOCATION VOL84        VOLUME     496655.655  3767663.364      842.850
     LOCATION VOL85        VOLUME     496609.786  3767663.359      842.000
     LOCATION VOL86        VOLUME     496586.872  3767663.380      841.110
     LOCATION VOL87        VOLUME     496563.978  3767663.373      839.580
     LOCATION VOL88        VOLUME     496541.051  3767663.385      838.050
     LOCATION VOL89        VOLUME     496518.157  3767663.378      836.700
     LOCATION VOL92        VOLUME     496793.092  3767686.421      848.430
     LOCATION VOL93        VOLUME     496770.178  3767686.442      847.660
     LOCATION VOL94        VOLUME     496747.284  3767686.435      846.900
     LOCATION VOL95        VOLUME     496724.357  3767686.447      846.140
     LOCATION VOL96        VOLUME     496701.463  3767686.440      844.750
     LOCATION VOL97        VOLUME     496678.549  3767686.461      843.610
     LOCATION VOL98        VOLUME     496632.680  3767686.456      842.080
     LOCATION VOL99        VOLUME     496655.655  3767686.455      842.850
     LOCATION VOL100       VOLUME     496609.786  3767686.450      841.990
     LOCATION VOL101       VOLUME     496586.872  3767686.471      841.100
     LOCATION VOL102       VOLUME     496563.978  3767686.464      839.580
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     LOCATION VOL103       VOLUME     496541.051  3767686.476      838.060
     LOCATION VOL107       VOLUME     496793.092  3767709.512      848.430
     LOCATION VOL108       VOLUME     496770.178  3767709.533      847.660
     LOCATION VOL109       VOLUME     496747.284  3767709.526      846.900
     LOCATION VOL110       VOLUME     496724.357  3767709.538      846.140
     LOCATION VOL111       VOLUME     496701.463  3767709.531      844.750
     LOCATION VOL112       VOLUME     496678.549  3767709.552      843.610
     LOCATION VOL113       VOLUME     496632.680  3767709.547      842.080
     LOCATION VOL114       VOLUME     496655.655  3767709.546      842.850
     LOCATION VOL115       VOLUME     496609.786  3767709.540      841.470
     LOCATION VOL116       VOLUME     496586.872  3767709.562      840.670
     LOCATION VOL117       VOLUME     496563.978  3767709.555      839.740
     LOCATION VOL122       VOLUME     496792.876  3767732.711      848.650
     LOCATION VOL123       VOLUME     496769.962  3767732.732      847.660
     LOCATION VOL124       VOLUME     496747.068  3767732.725      846.890
     LOCATION VOL125       VOLUME     496724.141  3767732.737      846.130
     LOCATION VOL126       VOLUME     496701.247  3767732.730      844.730
     LOCATION VOL127       VOLUME     496678.333  3767732.751      843.380
     LOCATION VOL128       VOLUME     496632.464  3767732.746      841.520
     LOCATION VOL129       VOLUME     496655.439  3767732.744      842.290
     LOCATION VOL130       VOLUME     496609.570  3767732.739      840.760
     LOCATION VOL137       VOLUME     496792.768  3767755.909      849.020
     LOCATION VOL138       VOLUME     496769.854  3767755.931      847.980
     LOCATION VOL139       VOLUME     496746.960  3767755.924      847.180
     LOCATION VOL140       VOLUME     496724.033  3767755.935      846.170
     LOCATION VOL141       VOLUME     496701.139  3767755.929      844.520
     LOCATION VOL142       VOLUME     496678.225  3767755.950      843.000
     LOCATION VOL144       VOLUME     496655.331  3767755.943      841.840
     LOCATION VOL152       VOLUME     496792.598  3767779.016      849.410
     LOCATION VOL153       VOLUME     496769.685  3767779.038      848.650
     LOCATION VOL154       VOLUME     496746.790  3767779.031      847.780
     LOCATION VOL155       VOLUME     496723.863  3767779.042      846.320
     LOCATION VOL156       VOLUME     496700.969  3767779.036      844.230
     LOCATION VOL157       VOLUME     496678.056  3767779.057      842.790
     LOCATION VOL158       VOLUME     496792.382  3767802.215      849.400
     LOCATION VOL159       VOLUME     496769.469  3767802.236      848.640
     LOCATION VOL160       VOLUME     496746.575  3767802.230      847.860
     LOCATION VOL161       VOLUME     496723.648  3767802.241      847.000
     LOCATION VOL164       VOLUME     496792.382  3767825.198      850.040
     LOCATION VOL165       VOLUME     496769.469  3767825.219      849.280
     LOCATION PAREA1       AREAPOLY   496461.488  3767535.794      829.360
** Source Parameters **
     SRCPARAM VOL1         0.0002236152     5.000     5.309     1.400
     SRCPARAM VOL2         0.0002236152     5.000     5.309     1.400
     SRCPARAM VOL3         0.0002236152     5.000     5.309     1.400
     SRCPARAM VOL4         0.0002236152     5.000     5.309     1.400
     SRCPARAM VOL5         0.0002236152     5.000     5.309     1.400
     SRCPARAM VOL6         0.0002236152     5.000     5.309     1.400
     SRCPARAM VOL7         0.0002236152     5.000     5.309     1.400
     SRCPARAM VOL8         0.0002236152     5.000     5.309     1.400
     SRCPARAM VOL9         0.0002236152     5.000     5.309     1.400
     SRCPARAM VOL10        0.0002236152     5.000     5.309     1.400
     SRCPARAM VOL11        0.0002236152     5.000     5.309     1.400
     SRCPARAM VOL13        0.0002236152     5.000     5.309     1.400
     SRCPARAM VOL14        0.0002236152     5.000     5.309     1.400
     SRCPARAM VOL15        0.0002236152     5.000     5.309     1.400
     SRCPARAM VOL16        0.0002236152     5.000     5.309     1.400
     SRCPARAM VOL17        0.0002236152     5.000     5.309     1.400
     SRCPARAM VOL18        0.0002236152     5.000     5.309     1.400
     SRCPARAM VOL19        0.0002236152     5.000     5.309     1.400
     SRCPARAM VOL20        0.0002236152     5.000     5.309     1.400
     SRCPARAM VOL21        0.0002236152     5.000     5.309     1.400
     SRCPARAM VOL22        0.0002236152     5.000     5.309     1.400
     SRCPARAM VOL23        0.0002236152     5.000     5.309     1.400
     SRCPARAM VOL24        0.0002236152     5.000     5.309     1.400
     SRCPARAM VOL25        0.0002236152     5.000     5.309     1.400
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199      SRCPARAM VOL26        0.0002236152     5.000     5.309     1.400
200      SRCPARAM VOL27        0.0002236152     5.000     5.309     1.400
201      SRCPARAM VOL28        0.0002236152     5.000     5.309     1.400
202      SRCPARAM VOL29        0.0002236152     5.000     5.309     1.400
203      SRCPARAM VOL30        0.0002236152     5.000     5.309     1.400
204      SRCPARAM VOL31        0.0002236152     5.000     5.309     1.400
205      SRCPARAM VOL32        0.0002236152     5.000     5.309     1.400
206      SRCPARAM VOL33        0.0002236152     5.000     5.309     1.400
207      SRCPARAM VOL34        0.0002236152     5.000     5.309     1.400
208      SRCPARAM VOL35        0.0002236152     5.000     5.309     1.400
209      SRCPARAM VOL36        0.0002236152     5.000     5.309     1.400
210      SRCPARAM VOL37        0.0002236152     5.000     5.309     1.400
211      SRCPARAM VOL38        0.0002236152     5.000     5.309     1.400
212      SRCPARAM VOL39        0.0002236152     5.000     5.309     1.400
213      SRCPARAM VOL40        0.0002236152     5.000     5.309     1.400
214      SRCPARAM VOL41        0.0002236152     5.000     5.309     1.400
215      SRCPARAM VOL42        0.0002236152     5.000     5.309     1.400
216      SRCPARAM VOL43        0.0002236152     5.000     5.309     1.400
217      SRCPARAM VOL44        0.0002236152     5.000     5.309     1.400
218      SRCPARAM VOL45        0.0002236152     5.000     5.309     1.400
219      SRCPARAM VOL46        0.0002236152     5.000     5.309     1.400
220      SRCPARAM VOL47        0.0002236152     5.000     5.309     1.400
221      SRCPARAM VOL48        0.0002236152     5.000     5.309     1.400
222      SRCPARAM VOL49        0.0002236152     5.000     5.309     1.400
223      SRCPARAM VOL50        0.0002236152     5.000     5.309     1.400
224      SRCPARAM VOL51        0.0002236152     5.000     5.309     1.400
225      SRCPARAM VOL52        0.0002236152     5.000     5.309     1.400
226      SRCPARAM VOL53        0.0002236152     5.000     5.309     1.400
227      SRCPARAM VOL54        0.0002236152     5.000     5.309     1.400
228      SRCPARAM VOL55        0.0002236152     5.000     5.309     1.400
229      SRCPARAM VOL56        0.0002236152     5.000     5.309     1.400
230      SRCPARAM VOL57        0.0002236152     5.000     5.309     1.400
231      SRCPARAM VOL58        0.0002236152     5.000     5.309     1.400
232      SRCPARAM VOL59        0.0002236152     5.000     5.309     1.400
233      SRCPARAM VOL60        0.0002236152     5.000     5.309     1.400
234      SRCPARAM VOL62        0.0002236152     5.000     5.309     1.400
235      SRCPARAM VOL63        0.0002236152     5.000     5.309     1.400
236      SRCPARAM VOL64        0.0002236152     5.000     5.309     1.400
237      SRCPARAM VOL65        0.0002236152     5.000     5.309     1.400
238      SRCPARAM VOL66        0.0002236152     5.000     5.309     1.400
239      SRCPARAM VOL67        0.0002236152     5.000     5.309     1.400
240      SRCPARAM VOL68        0.0002236152     5.000     5.309     1.400
241      SRCPARAM VOL69        0.0002236152     5.000     5.309     1.400
242      SRCPARAM VOL70        0.0002236152     5.000     5.309     1.400
243      SRCPARAM VOL71        0.0002236152     5.000     5.309     1.400
244      SRCPARAM VOL72        0.0002236152     5.000     5.309     1.400
245      SRCPARAM VOL73        0.0002236152     5.000     5.309     1.400
246      SRCPARAM VOL74        0.0002236152     5.000     5.309     1.400
247      SRCPARAM VOL77        0.0002236152     5.000     5.309     1.400
248      SRCPARAM VOL78        0.0002236152     5.000     5.309     1.400
249      SRCPARAM VOL79        0.0002236152     5.000     5.309     1.400
250      SRCPARAM VOL80        0.0002236152     5.000     5.309     1.400
251      SRCPARAM VOL81        0.0002236152     5.000     5.309     1.400
252      SRCPARAM VOL82        0.0002236152     5.000     5.309     1.400
253      SRCPARAM VOL83        0.0002236152     5.000     5.309     1.400
254      SRCPARAM VOL84        0.0002236152     5.000     5.309     1.400
255      SRCPARAM VOL85        0.0002236152     5.000     5.309     1.400
256      SRCPARAM VOL86        0.0002236152     5.000     5.309     1.400
257      SRCPARAM VOL87        0.0002236152     5.000     5.309     1.400
258      SRCPARAM VOL88        0.0002236152     5.000     5.309     1.400
259      SRCPARAM VOL89        0.0002236152     5.000     5.309     1.400
260      SRCPARAM VOL92        0.0002236152     5.000     5.309     1.400
261      SRCPARAM VOL93        0.0002236152     5.000     5.309     1.400
262      SRCPARAM VOL94        0.0002236152     5.000     5.309     1.400
263      SRCPARAM VOL95        0.0002236152     5.000     5.309     1.400
264      SRCPARAM VOL96        0.0002236152     5.000     5.309     1.400
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    SRCPARAM VOL97        0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL98        0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL99        0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL100       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL101       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL102       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL103       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL107       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL108       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL109       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL110       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL111       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL112       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL113       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL114       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL115       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL116       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL117       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL122       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL123       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL124       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL125       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL126       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL127       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL128       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL129       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL130       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL137       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL138       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL139       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL140       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL141       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL142       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL144       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL152       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL153       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL154       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL155       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL156       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL157       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL158       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL159       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL160       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL161       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL164       0.0002236152     5.000     5.309     1.400
    SRCPARAM VOL165       0.0002236152     5.000     5.309     1.400
    SRCPARAM PAREA1       1.2408E-06     0.000        22     1.000
    AREAVERT PAREA1       496461.488 3767535.794 496461.134 3767604.780
    AREAVERT PAREA1       496484.129 3767605.134 496483.776 3767628.837
    AREAVERT PAREA1       496506.771 3767629.191 496506.771 3767674.828
    AREAVERT PAREA1       496529.766 3767674.474 496529.766 3767697.823
    AREAVERT PAREA1       496552.762 3767698.177 496552.408 3767721.172
    AREAVERT PAREA1       496598.045 3767720.465 496598.399 3767744.168
    AREAVERT PAREA1       496644.036 3767744.168 496643.682 3767766.809
    AREAVERT PAREA1       496666.677 3767767.517 496666.677 3767790.512
    AREAVERT PAREA1       496711.607 3767790.512 496712.314 3767813.154
    AREAVERT PAREA1       496757.951 3767813.507 496757.951 3767836.149
    AREAVERT PAREA1       496803.942 3767836.503 496804.296 3767536.502
    URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
    EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT VOL1         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT VOL1         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL2         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL3         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL4         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL5         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Sunday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL6         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL7         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL8         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL9         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL10        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL11        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL13        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL14        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL15        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL16        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL17        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL18        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL19        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL20        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL21        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL22        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL23        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL24        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL25        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL26        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL27        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL28        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Sunday:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL29        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL30        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL31        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL32        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL33        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL34        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL35        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL36        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL37        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL38        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL39        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL40        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL41        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL42        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL43        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL44        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL45        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL46        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL47        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL48        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL49        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL50        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Sunday:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL51        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL52        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL53        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL54        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL55        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL56        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL57        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL58        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL59        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL60        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL62        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL63        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL64        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL65        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL66        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL67        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL68        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL69        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL70        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL71        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL72        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL73        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Sunday:
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL74        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL77        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL78        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL79        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL80        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL81        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL82        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL83        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL84        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL85        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL86        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL87        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL88        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL89        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL92        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL93        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL94        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL95        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL96        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL97        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL98        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL99        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Sunday:
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL100       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL101       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL102       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL103       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL107       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL108       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL109       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL110       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL111       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL112       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL113       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL114       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL115       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL116       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL117       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL122       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL123       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL124       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL125       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL126       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL127       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL128       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Sunday:
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL129       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL130       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL137       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL138       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL139       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL140       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL141       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL142       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL144       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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     EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** Sunday:
     EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** WeekDays:
     EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL152       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
     EMISFACT VOL152       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
     EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** Saturday:
     EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** Sunday:
     EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** WeekDays:
     EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL153       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
     EMISFACT VOL153       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
     EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** Saturday:
     EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** Sunday:
     EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** WeekDays:
     EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL154       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
     EMISFACT VOL154       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
     EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** Saturday:
     EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** Sunday:
     EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** WeekDays:
     EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL155       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
     EMISFACT VOL155       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
     EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** Saturday:
     EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** Sunday:
     EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL156       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL157       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL158       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL159       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL160       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL161       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL164       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL165       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA1       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

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** Sunday:
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "15809 Const PM10.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE ..\RDLD_V9_ADJU\RDLD_v9.SFC
   PROFFILE ..\RDLD_V9_ADJU\RDLD_v9.PFL
   SURFDATA 3171 2012
   UAIRDATA 3190 2012
   SITEDATA 99999 2012
   PROFBASE 481.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 24 ALL 1ST "15809 CONST PM10.AD\24H1GALL.PLT" 31
   SUMMFILE "15809 Const PM10.sum"
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W186    2406       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold
 used           0.50
 ME W187    2406       MEOPEN: ADJ_U* Option for Stable Low Winds used in
 AERMET

 *********************************
 *** SETUP Finishes Successfully ***
```

```
 **********************************

FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***
 13:49:58

                              PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                                          ***     MODEL SETUP OPTIONS SUMMARY       ***
 - - -
```

```
2500    **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   481.00 ;  Decay Coef.
        =    0.000     ;  Rot. Angle =     0.0
2501                     Emission Units = GRAMS/SEC                           ;  Emission
                         Rate Unit Factor =   0.10000E+07
2502                     Output Units   = MICROGRAMS/M**3
2503
2504    **Approximate Storage Requirements of Model =      3.7 MB of RAM.
2505
2506    **Input Runstream File:
        aermod.inp

2507    **Output Print File:
        aermod.out

2508
2509    **Detailed Error/Message File:   15809 Const
        PM10.err
2510    **File for Summary of Results:   15809 Const
        PM10.sum
2511    FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
        Ops CO\15809 Ops CO. ***        08/28/24
2512    *** AERMET - VERSION  16216 ***
        ***                                                                  ***
        13:49:58
2513
                                    PAGE   2
2514    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
2515
2516
2517                                                  *** VOLUME SOURCE DATA ***
2518
2519                  NUMBER EMISSION RATE                     BASE    RELEASE    INIT.
                      INIT.   URBAN  EMISSION RATE   AIRCRAFT
2520      SOURCE       PART.  (GRAMS/SEC)     X         Y      ELEV.   HEIGHT      SY
          SZ     SOURCE  SCALAR VARY
2521        ID          CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
            (METERS)             BY
2522    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - -
2523
2524    VOL1             0   0.22362E-03  496472.6 3767547.3   830.1     5.00     5.31
        1.40     YES   HRDOW            NO
2525    VOL2             0   0.22362E-03  496495.5 3767547.3   831.1     5.00     5.31
        1.40     YES   HRDOW            NO
2526    VOL3             0   0.22362E-03  496541.3 3767547.3   833.8     5.00     5.31
        1.40     YES   HRDOW            NO
2527    VOL4             0   0.22362E-03  496518.4 3767547.3   832.3     5.00     5.31
        1.40     YES   HRDOW            NO
2528    VOL5             0   0.22362E-03  496564.2 3767547.3   835.3     5.00     5.31
        1.40     YES   HRDOW            NO
2529    VOL6             0   0.22362E-03  496587.1 3767547.3   837.2     5.00     5.31
        1.40     YES   HRDOW            NO
2530    VOL7             0   0.22362E-03  496610.1 3767547.3   838.8     5.00     5.31
        1.40     YES   HRDOW            NO
2531    VOL8             0   0.22362E-03  496633.0 3767547.3   839.8     5.00     5.31
        1.40     YES   HRDOW            NO
2532    VOL9             0   0.22362E-03  496747.6 3767547.2   842.9     5.00     5.31
        1.40     YES   HRDOW            NO
2533    VOL10            0   0.22362E-03  496770.4 3767547.2   844.6     5.00     5.31
        1.40     YES   HRDOW            NO
2534    VOL11            0   0.22362E-03  496793.4 3767547.2   846.1     5.00     5.31
        1.40     YES   HRDOW            NO
2535    VOL13            0   0.22362E-03  496724.6 3767547.3   842.5     5.00     5.31
        1.40     YES   HRDOW            NO
2536    VOL14            0   0.22362E-03  496701.7 3767547.2   841.4     5.00     5.31
        1.40     YES   HRDOW            NO
```

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2537    VOL15            0   0.22362E-03  496678.8 3767547.3   840.7     5.00     5.31
        1.40     YES   HRDOW            NO
2538    VOL16            0   0.22362E-03  496655.9 3767547.3   840.6     5.00     5.31
        1.40     YES   HRDOW            NO
2539    VOL17            0   0.22362E-03  496793.3 3767570.5   846.5     5.00     5.31
        1.40     YES   HRDOW            NO
2540    VOL18            0   0.22362E-03  496770.4 3767570.5   845.1     5.00     5.31
        1.40     YES   HRDOW            NO
2541    VOL19            0   0.22362E-03  496747.5 3767570.5   843.3     5.00     5.31
        1.40     YES   HRDOW            NO
2542    VOL20            0   0.22362E-03  496724.6 3767570.5   843.2     5.00     5.31
        1.40     YES   HRDOW            NO
2543    VOL21            0   0.22362E-03  496701.7 3767570.5   842.5     5.00     5.31
        1.40     YES   HRDOW            NO
2544    VOL22            0   0.22362E-03  496678.8 3767570.5   842.1     5.00     5.31
        1.40     YES   HRDOW            NO
2545    VOL23            0   0.22362E-03  496632.9 3767570.5   841.2     5.00     5.31
        1.40     YES   HRDOW            NO
2546    VOL24            0   0.22362E-03  496655.9 3767570.5   841.9     5.00     5.31
        1.40     YES   HRDOW            NO
2547    VOL25            0   0.22362E-03  496610.0 3767570.5   839.8     5.00     5.31
        1.40     YES   HRDOW            NO
2548    VOL26            0   0.22362E-03  496587.1 3767570.6   838.3     5.00     5.31
        1.40     YES   HRDOW            NO
2549    VOL27            0   0.22362E-03  496564.2 3767570.6   836.9     5.00     5.31
        1.40     YES   HRDOW            NO
2550    VOL28            0   0.22362E-03  496541.3 3767570.6   835.2     5.00     5.31
        1.40     YES   HRDOW            NO
2551    VOL29            0   0.22362E-03  496518.4 3767570.6   833.7     5.00     5.31
        1.40     YES   HRDOW            NO
2552    VOL30            0   0.22362E-03  496495.5 3767570.6   832.2     5.00     5.31
        1.40     YES   HRDOW            NO
2553    VOL31            0   0.22362E-03  496472.6 3767570.6   830.8     5.00     5.31
        1.40     YES   HRDOW            NO
2554    VOL32            0   0.22362E-03  496793.2 3767593.6   846.8     5.00     5.31
        1.40     YES   HRDOW            NO
2555    VOL33            0   0.22362E-03  496770.3 3767593.6   845.6     5.00     5.31
        1.40     YES   HRDOW            NO
2556    VOL34            0   0.22362E-03  496747.4 3767593.6   844.8     5.00     5.31
        1.40     YES   HRDOW            NO
2557    VOL35            0   0.22362E-03  496724.5 3767593.7   844.0     5.00     5.31
        1.40     YES   HRDOW            NO
2558    VOL36            0   0.22362E-03  496701.6 3767593.6   843.3     5.00     5.31
        1.40     YES   HRDOW            NO
2559    VOL37            0   0.22362E-03  496678.7 3767593.7   842.6     5.00     5.31
        1.40     YES   HRDOW            NO
2560    VOL38            0   0.22362E-03  496632.8 3767593.7   841.9     5.00     5.31
        1.40     YES   HRDOW            NO
2561    VOL39            0   0.22362E-03  496655.8 3767593.7   842.0     5.00     5.31
        1.40     YES   HRDOW            NO
2562    VOL40            0   0.22362E-03  496609.9 3767593.7   840.6     5.00     5.31
        1.40     YES   HRDOW            NO
2563    VOL41            0   0.22362E-03  496587.0 3767593.7   839.4     5.00     5.31
        1.40     YES   HRDOW            NO
2564    FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
        Ops CO\15809 Ops CO. ***        08/28/24
2565     *** AERMET - VERSION  16216 ***
         ***                                                                    ***
         13:49:58
2566
                                    PAGE   3
2567     *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
2568
2569
2570                                                  *** VOLUME SOURCE DATA ***
2571
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SOURCE ID	NUMBER INIT. PART. SOURCE CATS.	EMISSION RATE (GRAMS/SEC)	URBAN SCALAR	EMISSION RATE VARY BY	X (METERS)	Y (METERS)	AIRCRAFT ELEV. (METERS)	BASE HEIGHT (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	SZ
VOL42	0	0.22362E-03			496564.1	3767593.7	838.2	5.00	5.31	1.40	YES
VOL43	0	0.22362E-03			496541.2	3767593.7	836.0	5.00	5.31	1.40	YES
VOL44	0	0.22362E-03			496518.3	3767593.7	834.4	5.00	5.31	1.40	YES
VOL45	0	0.22362E-03			496495.4	3767593.7	832.9	5.00	5.31	1.40	YES
VOL46	0	0.22362E-03			496472.5	3767593.7	831.4	5.00	5.31	1.40	YES
VOL47	0	0.22362E-03			496793.3	3767616.8	847.3	5.00	5.31	1.40	YES
VOL48	0	0.22362E-03			496770.4	3767616.8	846.4	5.00	5.31	1.40	YES
VOL49	0	0.22362E-03			496747.5	3767616.8	845.6	5.00	5.31	1.40	YES
VOL50	0	0.22362E-03			496724.6	3767616.9	844.8	5.00	5.31	1.40	YES
VOL51	0	0.22362E-03			496701.7	3767616.8	844.1	5.00	5.31	1.40	YES
VOL52	0	0.22362E-03			496678.8	3767616.9	843.3	5.00	5.31	1.40	YES
VOL53	0	0.22362E-03			496632.9	3767616.9	842.1	5.00	5.31	1.40	YES
VOL54	0	0.22362E-03			496655.9	3767616.9	842.6	5.00	5.31	1.40	YES
VOL55	0	0.22362E-03			496610.0	3767616.9	841.1	5.00	5.31	1.40	YES
VOL56	0	0.22362E-03			496587.1	3767616.9	839.9	5.00	5.31	1.40	YES
VOL57	0	0.22362E-03			496564.2	3767616.9	838.7	5.00	5.31	1.40	YES
VOL58	0	0.22362E-03			496541.3	3767616.9	837.4	5.00	5.31	1.40	YES
VOL59	0	0.22362E-03			496518.4	3767616.9	835.4	5.00	5.31	1.40	YES
VOL60	0	0.22362E-03			496495.5	3767616.9	833.7	5.00	5.31	1.40	YES
VOL62	0	0.22362E-03			496793.2	3767640.0	847.9	5.00	5.31	1.40	YES
VOL63	0	0.22362E-03			496770.3	3767640.0	847.0	5.00	5.31	1.40	YES
VOL64	0	0.22362E-03			496747.4	3767640.0	845.9	5.00	5.31	1.40	YES
VOL65	0	0.22362E-03			496724.5	3767640.0	845.1	5.00	5.31	1.40	YES
VOL66	0	0.22362E-03			496701.6	3767640.0	844.4	5.00	5.31	1.40	YES
VOL67	0	0.22362E-03			496678.7	3767640.1	843.6	5.00	5.31	1.40	YES
VOL68	0	0.22362E-03			496632.8	3767640.1	842.1	5.00	5.31	1.40	YES
VOL69	0	0.22362E-03			496655.8	3767640.1	842.8	5.00	5.31	1.40	YES
VOL70	0	0.22362E-03			496609.9	3767640.1	841.6	5.00	5.31	1.40	YES
VOL71	0	0.22362E-03			496587.0	3767640.1	840.6	5.00	5.31		

HRDOW NO

```
      1.40     YES   HRDOW            NO
2606  VOL72            0   0.22362E-03  496564.1 3767640.1   839.2     5.00     5.31
      1.40     YES   HRDOW            NO
2607  VOL73            0   0.22362E-03  496541.2 3767640.1   838.0     5.00     5.31
      1.40     YES   HRDOW            NO
2608  VOL74            0   0.22362E-03  496518.3 3767640.1   836.1     5.00     5.31
      1.40     YES   HRDOW            NO
2609  VOL77            0   0.22362E-03  496793.1 3767663.3   848.4     5.00     5.31
      1.40     YES   HRDOW            NO
2610  VOL78            0   0.22362E-03  496770.2 3767663.4   847.4     5.00     5.31
      1.40     YES   HRDOW            NO
2611  VOL79            0   0.22362E-03  496747.3 3767663.3   846.1     5.00     5.31
      1.40     YES   HRDOW            NO
2612  VOL80            0   0.22362E-03  496724.4 3767663.4   845.4     5.00     5.31
      1.40     YES   HRDOW            NO
2613  VOL81            0   0.22362E-03  496701.5 3767663.3   844.5     5.00     5.31
      1.40     YES   HRDOW            NO
2614  VOL82            0   0.22362E-03  496678.5 3767663.4   843.6     5.00     5.31
      1.40     YES   HRDOW            NO
2615  VOL83            0   0.22362E-03  496632.7 3767663.4   842.1     5.00     5.31
      1.40     YES   HRDOW            NO
2616  VOL84            0   0.22362E-03  496655.7 3767663.4   842.8     5.00     5.31
      1.40     YES   HRDOW            NO
2617  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
2618   *** AERMET - VERSION  16216 ***
       ***                                                                    ***
       13:49:58
2619
                                    PAGE   4
2620   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
2621
2622
2623                                                    *** VOLUME SOURCE DATA ***
2624
2625                  NUMBER EMISSION RATE                      BASE    RELEASE    INIT.
                      INIT.   URBAN  EMISSION RATE   AIRCRAFT
2626        SOURCE     PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
            SZ     SOURCE  SCALAR VARY
2627          ID          CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
              (METERS)             BY
2628  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - -
2629
2630  VOL85            0   0.22362E-03  496609.8 3767663.4   842.0     5.00     5.31
      1.40     YES   HRDOW            NO
2631  VOL86            0   0.22362E-03  496586.9 3767663.4   841.1     5.00     5.31
      1.40     YES   HRDOW            NO
2632  VOL87            0   0.22362E-03  496564.0 3767663.4   839.6     5.00     5.31
      1.40     YES   HRDOW            NO
2633  VOL88            0   0.22362E-03  496541.1 3767663.4   838.0     5.00     5.31
      1.40     YES   HRDOW            NO
2634  VOL89            0   0.22362E-03  496518.2 3767663.4   836.7     5.00     5.31
      1.40     YES   HRDOW            NO
2635  VOL92            0   0.22362E-03  496793.1 3767686.4   848.4     5.00     5.31
      1.40     YES   HRDOW            NO
2636  VOL93            0   0.22362E-03  496770.2 3767686.4   847.7     5.00     5.31
      1.40     YES   HRDOW            NO
2637  VOL94            0   0.22362E-03  496747.3 3767686.4   846.9     5.00     5.31
      1.40     YES   HRDOW            NO
2638  VOL95            0   0.22362E-03  496724.4 3767686.4   846.1     5.00     5.31
      1.40     YES   HRDOW            NO
2639  VOL96            0   0.22362E-03  496701.5 3767686.4   844.8     5.00     5.31
      1.40     YES   HRDOW            NO
2640  VOL97            0   0.22362E-03  496678.5 3767686.5   843.6     5.00     5.31
      1.40     YES   HRDOW            NO
```

```
2641   VOL98            0   0.22362E-03  496632.7 3767686.5   842.1     5.00     5.31
       1.40     YES   HRDOW            NO
2642   VOL99            0   0.22362E-03  496655.7 3767686.5   842.8     5.00     5.31
       1.40     YES   HRDOW            NO
2643   VOL100           0   0.22362E-03  496609.8 3767686.4   842.0     5.00     5.31
       1.40     YES   HRDOW            NO
2644   VOL101           0   0.22362E-03  496586.9 3767686.5   841.1     5.00     5.31
       1.40     YES   HRDOW            NO
2645   VOL102           0   0.22362E-03  496564.0 3767686.5   839.6     5.00     5.31
       1.40     YES   HRDOW            NO
2646   VOL103           0   0.22362E-03  496541.1 3767686.5   838.1     5.00     5.31
       1.40     YES   HRDOW            NO
2647   VOL107           0   0.22362E-03  496793.1 3767709.5   848.4     5.00     5.31
       1.40     YES   HRDOW            NO
2648   VOL108           0   0.22362E-03  496770.2 3767709.5   847.7     5.00     5.31
       1.40     YES   HRDOW            NO
2649   VOL109           0   0.22362E-03  496747.3 3767709.5   846.9     5.00     5.31
       1.40     YES   HRDOW            NO
2650   VOL110           0   0.22362E-03  496724.4 3767709.5   846.1     5.00     5.31
       1.40     YES   HRDOW            NO
2651   VOL111           0   0.22362E-03  496701.5 3767709.5   844.8     5.00     5.31
       1.40     YES   HRDOW            NO
2652   VOL112           0   0.22362E-03  496678.5 3767709.6   843.6     5.00     5.31
       1.40     YES   HRDOW            NO
2653   VOL113           0   0.22362E-03  496632.7 3767709.5   842.1     5.00     5.31
       1.40     YES   HRDOW            NO
2654   VOL114           0   0.22362E-03  496655.7 3767709.5   842.8     5.00     5.31
       1.40     YES   HRDOW            NO
2655   VOL115           0   0.22362E-03  496609.8 3767709.5   841.5     5.00     5.31
       1.40     YES   HRDOW            NO
2656   VOL116           0   0.22362E-03  496586.9 3767709.6   840.7     5.00     5.31
       1.40     YES   HRDOW            NO
2657   VOL117           0   0.22362E-03  496564.0 3767709.6   839.7     5.00     5.31
       1.40     YES   HRDOW            NO
2658   VOL122           0   0.22362E-03  496792.9 3767732.7   848.6     5.00     5.31
       1.40     YES   HRDOW            NO
2659   VOL123           0   0.22362E-03  496770.0 3767732.7   847.7     5.00     5.31
       1.40     YES   HRDOW            NO
2660   VOL124           0   0.22362E-03  496747.1 3767732.7   846.9     5.00     5.31
       1.40     YES   HRDOW            NO
2661   VOL125           0   0.22362E-03  496724.1 3767732.7   846.1     5.00     5.31
       1.40     YES   HRDOW            NO
2662   VOL126           0   0.22362E-03  496701.2 3767732.7   844.7     5.00     5.31
       1.40     YES   HRDOW            NO
2663   VOL127           0   0.22362E-03  496678.3 3767732.8   843.4     5.00     5.31
       1.40     YES   HRDOW            NO
2664   VOL128           0   0.22362E-03  496632.5 3767732.7   841.5     5.00     5.31
       1.40     YES   HRDOW            NO
2665   VOL129           0   0.22362E-03  496655.4 3767732.7   842.3     5.00     5.31
       1.40     YES   HRDOW            NO
2666   VOL130           0   0.22362E-03  496609.6 3767732.7   840.8     5.00     5.31
       1.40     YES   HRDOW            NO
2667   VOL137           0   0.22362E-03  496792.8 3767755.9   849.0     5.00     5.31
       1.40     YES   HRDOW            NO
2668   VOL138           0   0.22362E-03  496769.9 3767755.9   848.0     5.00     5.31
       1.40     YES   HRDOW            NO
2669   VOL139           0   0.22362E-03  496747.0 3767755.9   847.2     5.00     5.31
       1.40     YES   HRDOW            NO
2670   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
2671    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
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2672
                                    PAGE   5
2673    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
```

2674
2675
2676 *** VOLUME SOURCE DATA ***
2677
2678 NUMBER EMISSION RATE BASE RELEASE INIT.
INIT. URBAN EMISSION RATE AIRCRAFT
2679 SOURCE PART. (GRAMS/SEC) X Y ELEV. HEIGHT SY
SZ SOURCE SCALAR VARY
2680 ID CATS. (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS) BY
2681 - - -

```
 PAREA1           0   0.12408E-05  496461.5 3767535.8   829.4     0.00      22
 1.00     YES   HRDOW            NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***
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                              PAGE   7
*** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*


                                        *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                          SOURCE IDs
 -----------                                          ----------


  ALL        VOL1       , VOL2       , VOL3       , VOL4       , VOL5       ,
  VOL6        , VOL7        , VOL8        ,

             VOL9       , VOL10      , VOL11      , VOL13      , VOL14      ,
             VOL15      , VOL16      , VOL17      ,

             VOL18      , VOL19      , VOL20      , VOL21      , VOL22      ,
             VOL23      , VOL24      , VOL25      ,

             VOL26      , VOL27      , VOL28      , VOL29      , VOL30      ,
             VOL31      , VOL32      , VOL33      ,

             VOL34      , VOL35      , VOL36      , VOL37      , VOL38      ,
             VOL39      , VOL40      , VOL41      ,

             VOL42      , VOL43      , VOL44      , VOL45      , VOL46      ,
             VOL47      , VOL48      , VOL49      ,

             VOL50      , VOL51      , VOL52      , VOL53      , VOL54      ,
             VOL55      , VOL56      , VOL57      ,

             VOL58      , VOL59      , VOL60      , VOL62      , VOL63      ,
             VOL64      , VOL65      , VOL66      ,

             VOL67      , VOL68      , VOL69      , VOL70      , VOL71      ,
             VOL72      , VOL73      , VOL74      ,

             VOL77      , VOL78      , VOL79      , VOL80      , VOL81      ,
             VOL82      , VOL83      , VOL84      ,

             VOL85      , VOL86      , VOL87      , VOL88      , VOL89      ,
             VOL92      , VOL93      , VOL94      ,

             VOL95      , VOL96      , VOL97      , VOL98      , VOL99      ,
             VOL100     , VOL101     , VOL102     ,

             VOL103     , VOL107     , VOL108     , VOL109     , VOL110     ,
             VOL111     , VOL112     , VOL113     ,

             VOL114     , VOL115     , VOL116     , VOL117     , VOL122     ,
             VOL123     , VOL124     , VOL125     ,

             VOL126     , VOL127     , VOL128     , VOL129     , VOL130     ,
             VOL137     , VOL138     , VOL139     ,

             VOL140     , VOL141     , VOL142     , VOL144     , VOL152     ,
             VOL153     , VOL154     , VOL155     ,
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2757              VOL156      , VOL157      , VOL158      , VOL159      , VOL160      ,
                  VOL161      , VOL164      , VOL165      ,
2758
2759              PAREA1      ,
2760   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
2761    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:49:58
2762
                                  PAGE   8
2763    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
2764
2765
2766                                          *** SOURCE IDs DEFINED AS URBAN SOURCES ***
2767
2768     URBAN ID   URBAN POP                                  SOURCE IDs
2769     --------   ---------                                  ----------
2770
2771
2772                 2035210.   VOL1        , VOL2        , VOL3        , VOL4        ,
                     VOL5        , VOL6        , VOL7        ,
2773    VOL8        ,
2774
2775                VOL9        , VOL10       , VOL11       , VOL13       , VOL14       ,
                    VOL15       , VOL16       , VOL17       ,
2776
2777                VOL18       , VOL19       , VOL20       , VOL21       , VOL22       ,
                    VOL23       , VOL24       , VOL25       ,
2778
2779                VOL26       , VOL27       , VOL28       , VOL29       , VOL30       ,
                    VOL31       , VOL32       , VOL33       ,
2780
2781                VOL34       , VOL35       , VOL36       , VOL37       , VOL38       ,
                    VOL39       , VOL40       , VOL41       ,
2782
2783                VOL42       , VOL43       , VOL44       , VOL45       , VOL46       ,
                    VOL47       , VOL48       , VOL49       ,
2784
2785                VOL50       , VOL51       , VOL52       , VOL53       , VOL54       ,
                    VOL55       , VOL56       , VOL57       ,
2786
2787                VOL58       , VOL59       , VOL60       , VOL62       , VOL63       ,
                    VOL64       , VOL65       , VOL66       ,
2788
2789                VOL67       , VOL68       , VOL69       , VOL70       , VOL71       ,
                    VOL72       , VOL73       , VOL74       ,
2790
2791                VOL77       , VOL78       , VOL79       , VOL80       , VOL81       ,
                    VOL82       , VOL83       , VOL84       ,
2792
2793                VOL85       , VOL86       , VOL87       , VOL88       , VOL89       ,
                    VOL92       , VOL93       , VOL94       ,
2794
2795                VOL95       , VOL96       , VOL97       , VOL98       , VOL99       ,
                    VOL100      , VOL101      , VOL102      ,
2796
2797                VOL103      , VOL107      , VOL108      , VOL109      , VOL110      ,
                    VOL111      , VOL112      , VOL113      ,
2798
2799                VOL114      , VOL115      , VOL116      , VOL117      , VOL122      ,
                    VOL123      , VOL124      , VOL125      ,
2800
2801                VOL126      , VOL127      , VOL128      , VOL129      , VOL130      ,
                    VOL137      , VOL138      , VOL139      ,
2802
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2803              VOL140      , VOL141      , VOL142      , VOL144      , VOL152      ,
                  VOL153      , VOL154      , VOL155      ,
2804
2805              VOL156      , VOL157      , VOL158      , VOL159      , VOL160      ,
                  VOL161      , VOL164      , VOL165      ,
2806
2807              PAREA1      ,
2808  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
2809   *** AERMET - VERSION  16216 ***
       ***                                                                    ***
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2810
                                  PAGE   9
2811   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
2812
2813                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
2814
2815   SOURCE ID = VOL1         ; SOURCE TYPE = VOLUME   :
2816    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
2817   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
2818                                                DAY OF WEEK = WEEKDAY
2819      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .1000E+01
2820      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .0000E+00
2821     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
         .0000E+00   23  .0000E+00   24  .0000E+00
2822                                                DAY OF WEEK = SATURDAY
2823      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
2824      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
2825     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
         .0000E+00   23  .0000E+00   24  .0000E+00
2826                                                DAY OF WEEK = SUNDAY
2827      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
2828      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
2829     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
         .0000E+00   23  .0000E+00   24  .0000E+00
2830  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
2831   *** AERMET - VERSION  16216 ***
       ***                                                                    ***
       13:49:58
2832
                                  PAGE  10
2833   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
2834
2835                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
2836
2837   SOURCE ID = VOL2         ; SOURCE TYPE = VOLUME   :
2838    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
2839   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
2840                                                DAY OF WEEK = WEEKDAY
2841      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .1000E+01
2842      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
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      .1000E+01   15  .1000E+01   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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                              PAGE  11
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL3         ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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                              PAGE  12
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *
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2880
2881   SOURCE ID = VOL4         ; SOURCE TYPE = VOLUME   :
2882    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
2883   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
2884                                                DAY OF WEEK = WEEKDAY
2885      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .1000E+01
2886      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .0000E+00
2887     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
2888                                                DAY OF WEEK = SATURDAY
2889      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
2890      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
2891     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
2892                                                DAY OF WEEK = SUNDAY
2893      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
2894      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
2895     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
2896   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
2897    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:49:58
2898
                                  PAGE  13
2899    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
2900
2901                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
2902
2903    SOURCE ID = VOL5         ; SOURCE TYPE = VOLUME   :
2904     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
        SCALAR   HOUR   SCALAR   HOUR   SCALAR
2905   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
2906                                                DAY OF WEEK = WEEKDAY
2907      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .1000E+01
2908      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .0000E+00
2909     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
2910                                                DAY OF WEEK = SATURDAY
2911      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
2912      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
2913     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
2914                                                DAY OF WEEK = SUNDAY
2915      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
2916      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
2917     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
2918   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL6 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL7 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00

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2957      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
2958                                                DAY OF WEEK = SUNDAY
2959       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
2960       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
2961      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
2962   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
2963    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:49:58
2964
                                   PAGE  16
2965    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
2966
2967                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
2968
2969    SOURCE ID = VOL8         ; SOURCE TYPE = VOLUME   :
2970     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
2971    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - - - -
2972                                                DAY OF WEEK = WEEKDAY
2973       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .1000E+01
2974       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .0000E+00
2975      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
2976                                                DAY OF WEEK = SATURDAY
2977       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
2978       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
2979      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
2980                                                DAY OF WEEK = SUNDAY
2981       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
2982       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
2983      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
2984   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
2985    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:49:58
2986
                                   PAGE  17
2987    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
2988
2989                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
2990
2991    SOURCE ID = VOL9         ; SOURCE TYPE = VOLUME   :
2992     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
2993    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - - - -
2994                                                DAY OF WEEK = WEEKDAY
2995       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
```

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      .0000E+00    7  .0000E+00    8  .1000E+01
2996   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
2997  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
2998                                          DAY OF WEEK = SATURDAY
2999   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
3000   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
3001  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
3002                                          DAY OF WEEK = SUNDAY
3003   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
3004   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
3005  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
3006 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
3007  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:49:58
3008
                                PAGE  18
3009  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3010
3011                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
3012
3013  SOURCE ID = VOL10        ; SOURCE TYPE = VOLUME   :
3014   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
      SCALAR   HOUR   SCALAR   HOUR   SCALAR
3015  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
3016                                          DAY OF WEEK = WEEKDAY
3017    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
3018   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
3019  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
3020                                          DAY OF WEEK = SATURDAY
3021   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
3022   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
3023  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
3024                                          DAY OF WEEK = SUNDAY
3025   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
3026   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
3027  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
3028 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
3029  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:49:58
3030
                                PAGE  19
3031  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3032
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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                    WEEK (HRDOW) *

 SOURCE ID = VOL11        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:49:58

                              PAGE  20
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                    WEEK (HRDOW) *

 SOURCE ID = VOL13        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL14 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL15 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00

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3110       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3111      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3112                                              DAY OF WEEK = SUNDAY
3113       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3114       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3115      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3116 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
     Ops CO\15809 Ops CO. ***        08/28/24
3117  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:49:58
3118
                                  PAGE  23
3119  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3120
3121                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
3122
3123  SOURCE ID = VOL16        ; SOURCE TYPE = VOLUME   :
3124   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
      SCALAR   HOUR   SCALAR   HOUR   SCALAR
3125  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
     - - - - - - - - - - - - - - - - - - - - -
3126                                              DAY OF WEEK = WEEKDAY
3127       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
3128       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
3129      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3130                                              DAY OF WEEK = SATURDAY
3131       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3132       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3133      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3134                                              DAY OF WEEK = SUNDAY
3135       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3136       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3137      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3138 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
     Ops CO\15809 Ops CO. ***        08/28/24
3139  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:49:58
3140
                                  PAGE  24
3141  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3142
3143                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
3144
3145  SOURCE ID = VOL17        ; SOURCE TYPE = VOLUME   :
3146   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
      SCALAR   HOUR   SCALAR   HOUR   SCALAR
3147  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
     - - - - - - - - - - - - - - - - - - - - -
```

3148 DAY OF WEEK = WEEKDAY
3149 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
3150 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .0000E+00
3151 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
3152 DAY OF WEEK = SATURDAY
3153 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
3154 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
3155 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
3156 DAY OF WEEK = SUNDAY
3157 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
3158 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
3159 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
3160 FF *** AERMOD - VERSION 23132 *** *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Ops CO\15809 Ops CO. *** 08/28/24
3161 *** AERMET - VERSION 16216 ***
*** ***
13:49:58
3162
PAGE 25
3163 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*
3164
3165 * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *
3166
3167 SOURCE ID = VOL18 ; SOURCE TYPE = VOLUME :
3168 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
3169 - - -

```
*** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                  WEEK (HRDOW) *

SOURCE ID = VOL19        ; SOURCE TYPE = VOLUME   :
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
 SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:49:58

                              PAGE  27
*** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                  WEEK (HRDOW) *

SOURCE ID = VOL20        ; SOURCE TYPE = VOLUME   :
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
 SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
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      .0000E+00   15  .0000E+00   16  .0000E+00
3225    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
3226  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
3227   *** AERMET - VERSION  16216 ***
       ***                                                                    ***
       13:49:58
3228
                                  PAGE  28
3229   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3230
3231                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                         WEEK (HRDOW) *
3232
3233   SOURCE ID = VOL21        ; SOURCE TYPE = VOLUME   :
3234    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
3235  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
3236                                                DAY OF WEEK = WEEKDAY
3237     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
3238     9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
3239    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
3240                                                DAY OF WEEK = SATURDAY
3241     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
3242     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
3243    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
3244                                                DAY OF WEEK = SUNDAY
3245     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
3246     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
3247    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
3248  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
3249   *** AERMET - VERSION  16216 ***
       ***                                                                    ***
       13:49:58
3250
                                  PAGE  29
3251   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3252
3253                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                         WEEK (HRDOW) *
3254
3255   SOURCE ID = VOL22        ; SOURCE TYPE = VOLUME   :
3256    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
3257  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
3258                                                DAY OF WEEK = WEEKDAY
3259     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
3260     9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
3261    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
3262                                                DAY OF WEEK = SATURDAY
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3263       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3264       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3265      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3266                                                DAY OF WEEK = SUNDAY
3267       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3268       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3269      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3270 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
     Ops CO\15809 Ops CO. ***        08/28/24
3271  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:49:58
3272
                                  PAGE  30
3273  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3274
3275                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
3276
3277  SOURCE ID = VOL23        ; SOURCE TYPE = VOLUME   :
3278   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
      SCALAR   HOUR   SCALAR   HOUR   SCALAR
3279  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
3280                                                DAY OF WEEK = WEEKDAY
3281       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
3282       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
3283      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3284                                                DAY OF WEEK = SATURDAY
3285       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3286       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3287      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3288                                                DAY OF WEEK = SUNDAY
3289       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3290       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3291      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3292 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
     Ops CO\15809 Ops CO. ***        08/28/24
3293  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:49:58
3294
                                  PAGE  31
3295  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3296
3297                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
3298
3299  SOURCE ID = VOL24        ; SOURCE TYPE = VOLUME   :
3300   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
      SCALAR   HOUR   SCALAR   HOUR   SCALAR
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3301    - - -
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL26 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

FF *** AERMOD - VERSION 23132 *** *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Ops CO\15809 Ops CO. *** 08/28/24

*** AERMET - VERSION 16216 ***

*** ***

13:49:58

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL27 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6

```
      .0000E+00    7  .0000E+00    8  .0000E+00
3378     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
3379    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
3380 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
     Ops CO\15809 Ops CO. ***        08/28/24
      *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:49:58
3382
                                PAGE  35
3383  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3384
3385                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
3386
3387  SOURCE ID = VOL28        ; SOURCE TYPE = VOLUME   :
3388   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
      SCALAR   HOUR   SCALAR   HOUR   SCALAR
3389  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
     - - - - - - - - - - - - - - - - - - - -
3390                                            DAY OF WEEK = WEEKDAY
3391     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
3392     9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
3393    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
3394                                            DAY OF WEEK = SATURDAY
3395     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
3396     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
3397    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
3398                                            DAY OF WEEK = SUNDAY
3399     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
3400     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
3401    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
3402 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
     Ops CO\15809 Ops CO. ***        08/28/24
      *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:49:58
3404
                                PAGE  36
3405  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3406
3407                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
3408
3409  SOURCE ID = VOL29        ; SOURCE TYPE = VOLUME   :
3410   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
      SCALAR   HOUR   SCALAR   HOUR   SCALAR
3411  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
     - - - - - - - - - - - - - - - - - - - -
3412                                            DAY OF WEEK = WEEKDAY
3413     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
3414     9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
3415    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL30 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - -

```
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
 SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
  .1000E+01   15  .1000E+01   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL32        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
  .1000E+01   15  .1000E+01   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL33 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL34 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

```
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL35        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL36        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
```

```
 .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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                              PAGE  44
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL37        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:49:58

                              PAGE  45
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *
```

```
3606
3607    SOURCE ID = VOL38        ; SOURCE TYPE = VOLUME   :
3608     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
3609    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - - -
3610                                                DAY OF WEEK = WEEKDAY
3611       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
3612       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
3613      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3614                                                DAY OF WEEK = SATURDAY
3615       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3616       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3617      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3618                                                DAY OF WEEK = SUNDAY
3619       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3620       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3621      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3622    FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
        Ops CO\15809 Ops CO. ***        08/28/24
3623     *** AERMET - VERSION  16216 ***
         ***                                                                    ***
         13:49:58
3624
                                  PAGE  46
3625     *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3626
3627                       * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
3628
3629     SOURCE ID = VOL39        ; SOURCE TYPE = VOLUME   :
3630     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
3631    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - - -
3632                                                DAY OF WEEK = WEEKDAY
3633       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
3634       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
3635      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3636                                                DAY OF WEEK = SATURDAY
3637       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3638       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3639      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3640                                                DAY OF WEEK = SUNDAY
3641       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3642       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3643      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3644    FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL40 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

FF
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL41 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00

```
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL42        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL43        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
```

```
      .0000E+00    7  .0000E+00    8  .1000E+01
     9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL44        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
     9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
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```
                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                    WEEK (HRDOW) *

 SOURCE ID = VOL45        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
    .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
    .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
    .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:49:58

                              PAGE  53
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                    WEEK (HRDOW) *

 SOURCE ID = VOL46        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
    .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
    .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL47 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL48 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00

```
3836       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3837      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3838                                              DAY OF WEEK = SUNDAY
3839       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3840       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3841      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3842  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
3843       *** AERMET - VERSION  16216 ***
           ***                                                                    ***
           13:49:58
3844
                                    PAGE  56
3845       *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3846
3847                         * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                             WEEK (HRDOW) *
3848
3849       SOURCE ID = VOL49        ; SOURCE TYPE = VOLUME   :
3850        HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
           SCALAR   HOUR   SCALAR   HOUR   SCALAR
3851      - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - - - -
3852                                              DAY OF WEEK = WEEKDAY
3853       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
3854       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
3855      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3856                                              DAY OF WEEK = SATURDAY
3857       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3858       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3859      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3860                                              DAY OF WEEK = SUNDAY
3861       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3862       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3863      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3864  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
3865       *** AERMET - VERSION  16216 ***
           ***                                                                    ***
           13:49:58
3866
                                    PAGE  57
3867       *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3868
3869                         * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                             WEEK (HRDOW) *
3870
3871       SOURCE ID = VOL50        ; SOURCE TYPE = VOLUME   :
3872        HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
           SCALAR   HOUR   SCALAR   HOUR   SCALAR
3873      - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - - - -
```

3874 DAY OF WEEK = WEEKDAY
3875 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
3876 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .0000E+00
3877 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
3878 DAY OF WEEK = SATURDAY
3879 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
3880 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
3881 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
3882 DAY OF WEEK = SUNDAY
3883 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
3884 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
3885 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
3886 FF *** AERMOD - VERSION 23132 *** *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Ops CO\15809 Ops CO. *** 08/28/24
3887 *** AERMET - VERSION 16216 ***
*** ***
13:49:58
3888
PAGE 58
3889 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*
3890
3891 * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *
3892
3893 SOURCE ID = VOL51 ; SOURCE TYPE = VOLUME :
3894 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
3895 - - -

```
   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                     WEEK (HRDOW) *

   SOURCE ID = VOL52        ; SOURCE TYPE = VOLUME   :
    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
    SCALAR   HOUR   SCALAR   HOUR   SCALAR
   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
   - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
   Ops CO\15809 Ops CO. ***        08/28/24
    *** AERMET - VERSION  16216 ***
    ***                                                                    ***
    13:49:58

                                PAGE  60
   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                     WEEK (HRDOW) *

   SOURCE ID = VOL53        ; SOURCE TYPE = VOLUME   :
    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
    SCALAR   HOUR   SCALAR   HOUR   SCALAR
   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
   - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
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      .0000E+00   15  .0000E+00   16  .0000E+00
3951    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
3952  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
3953   *** AERMET - VERSION  16216 ***
       ***                                                                    ***
       13:49:58
3954
                                  PAGE  61
3955   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3956
3957                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
3958
3959   SOURCE ID = VOL54        ; SOURCE TYPE = VOLUME   :
3960    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
3961   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
3962                                                DAY OF WEEK = WEEKDAY
3963      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
       .0000E+00    7  .0000E+00    8  .1000E+01
3964      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
       .1000E+01   15  .1000E+01   16  .0000E+00
3965     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
       .0000E+00   23  .0000E+00   24  .0000E+00
3966                                                DAY OF WEEK = SATURDAY
3967      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
       .0000E+00    7  .0000E+00    8  .0000E+00
3968      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
       .0000E+00   15  .0000E+00   16  .0000E+00
3969     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
       .0000E+00   23  .0000E+00   24  .0000E+00
3970                                                DAY OF WEEK = SUNDAY
3971      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
       .0000E+00    7  .0000E+00    8  .0000E+00
3972      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
       .0000E+00   15  .0000E+00   16  .0000E+00
3973     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
       .0000E+00   23  .0000E+00   24  .0000E+00
3974  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
3975   *** AERMET - VERSION  16216 ***
       ***                                                                    ***
       13:49:58
3976
                                  PAGE  62
3977   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3978
3979                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
3980
3981   SOURCE ID = VOL55        ; SOURCE TYPE = VOLUME   :
3982    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
3983   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
3984                                                DAY OF WEEK = WEEKDAY
3985      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
       .0000E+00    7  .0000E+00    8  .1000E+01
3986      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
       .1000E+01   15  .1000E+01   16  .0000E+00
3987     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
       .0000E+00   23  .0000E+00   24  .0000E+00
3988                                                DAY OF WEEK = SATURDAY
```

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3989       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3990       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3991      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3992                                                DAY OF WEEK = SUNDAY
3993       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3994       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3995      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3996 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
     Ops CO\15809 Ops CO. ***        08/28/24
3997  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:49:58
3998
                                  PAGE  63
3999  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4000
4001                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
4002
4003  SOURCE ID = VOL56        ; SOURCE TYPE = VOLUME   :
4004   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
4005  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
4006                                                DAY OF WEEK = WEEKDAY
4007       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
4008       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
4009      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4010                                                DAY OF WEEK = SATURDAY
4011       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4012       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4013      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4014                                                DAY OF WEEK = SUNDAY
4015       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4016       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4017      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4018 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
     Ops CO\15809 Ops CO. ***        08/28/24
4019  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:49:58
4020
                                  PAGE  64
4021  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4022
4023                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
4024
4025  SOURCE ID = VOL57        ; SOURCE TYPE = VOLUME   :
4026   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
```

```
4027    - - -
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL59 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

FF *** AERMOD - VERSION 23132 *** *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Ops CO\15809 Ops CO. *** 08/28/24

*** AERMET - VERSION 16216 ***

*** ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL60 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	

```
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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                              PAGE  68
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL62        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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                              PAGE  69
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL63        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
```

```
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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                                PAGE  70
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL64        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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                                PAGE  71
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL65        ; SOURCE TYPE = VOLUME   :
```

```
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
 SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
  .1000E+01   15  .1000E+01   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***
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                            PAGE  72
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL66        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
  .1000E+01   15  .1000E+01   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL67 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL68 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

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                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:49:58

                              PAGE  75
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL69        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:49:58

                              PAGE  76
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL70        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
```

```
 .1000E+01   15  .1000E+01   16  .0000E+00
 17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
 .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
  1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
  9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
 17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
 .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
  1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
  9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
 17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
 .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:49:58

                              PAGE  77
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL71        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
  1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .1000E+01
  9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
  .1000E+01   15  .1000E+01   16  .0000E+00
 17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
 .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
  1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
  9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
 17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
 .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
  1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
  9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
 17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
 .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:49:58

                              PAGE  78
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *
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4332
4333   SOURCE ID = VOL72        ; SOURCE TYPE = VOLUME   :
4334    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
        SCALAR   HOUR   SCALAR   HOUR   SCALAR
4335   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - - -
4336                                                DAY OF WEEK = WEEKDAY
4337      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .1000E+01
4338      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .0000E+00
4339     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4340                                                DAY OF WEEK = SATURDAY
4341      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
4342      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
4343     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4344                                                DAY OF WEEK = SUNDAY
4345      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
4346      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
4347     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4348   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
4349    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:49:58
4350
                                  PAGE  79
4351    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4352
4353                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
4354
4355   SOURCE ID = VOL73        ; SOURCE TYPE = VOLUME   :
4356    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
        SCALAR   HOUR   SCALAR   HOUR   SCALAR
4357   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - - -
4358                                                DAY OF WEEK = WEEKDAY
4359      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .1000E+01
4360      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .0000E+00
4361     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4362                                                DAY OF WEEK = SATURDAY
4363      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
4364      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
4365     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4366                                                DAY OF WEEK = SUNDAY
4367      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
4368      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
4369     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4370   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL74 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL77 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00

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4409      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4410                                                DAY OF WEEK = SUNDAY
4411       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
4412       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
4413      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4414  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
4415   *** AERMET - VERSION  16216 ***
       ***                                                                    ***
       13:49:58
4416
                                  PAGE  82
4417   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4418
4419                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
4420
4421   SOURCE ID = VOL78        ; SOURCE TYPE = VOLUME   :
4422    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
4423   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
4424                                                DAY OF WEEK = WEEKDAY
4425       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .1000E+01
4426       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .0000E+00
4427      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4428                                                DAY OF WEEK = SATURDAY
4429       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
4430       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
4431      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4432                                                DAY OF WEEK = SUNDAY
4433       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
4434       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
4435      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4436  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
4437   *** AERMET - VERSION  16216 ***
       ***                                                                    ***
       13:49:58
4438
                                  PAGE  83
4439   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4440
4441                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
4442
4443   SOURCE ID = VOL79        ; SOURCE TYPE = VOLUME   :
4444    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
4445   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
4446                                                DAY OF WEEK = WEEKDAY
4447       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
```

```
      .0000E+00    7  .0000E+00    8  .1000E+01
      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:49:58

                              PAGE  84
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL80        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:49:58

                              PAGE  85
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                    WEEK (HRDOW) *

 SOURCE ID = VOL81        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:49:58

                              PAGE  86
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                    WEEK (HRDOW) *

 SOURCE ID = VOL82        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL83 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL84 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00

```
4562       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4563      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4564                                              DAY OF WEEK = SUNDAY
4565       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4566       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4567      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4568   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
4569    *** AERMET - VERSION  16216 ***
        ***                                                                          ***
        13:49:58
4570
                                    PAGE  89
4571    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4572
4573                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
4574
4575    SOURCE ID = VOL85        ; SOURCE TYPE = VOLUME   :
4576     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
4577   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - - - -
4578                                              DAY OF WEEK = WEEKDAY
4579       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
4580       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
4581      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4582                                              DAY OF WEEK = SATURDAY
4583       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4584       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4585      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4586                                              DAY OF WEEK = SUNDAY
4587       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4588       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4589      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4590   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
4591    *** AERMET - VERSION  16216 ***
        ***                                                                          ***
        13:49:58
4592
                                    PAGE  90
4593    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4594
4595                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
4596
4597    SOURCE ID = VOL86        ; SOURCE TYPE = VOLUME   :
4598     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
4599   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - - - -
```

```
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:49:58

                              PAGE  91
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL87        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:49:58

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4637    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4638
4639                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
4640
4641    SOURCE ID = VOL88        ; SOURCE TYPE = VOLUME   :
4642     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
4643    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
4644                                                DAY OF WEEK = WEEKDAY
4645       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
4646       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
4647      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4648                                                DAY OF WEEK = SATURDAY
4649       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4650       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4651      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4652                                                DAY OF WEEK = SUNDAY
4653       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4654       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4655      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4656    FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
        Ops CO\15809 Ops CO. ***        08/28/24
4657     *** AERMET - VERSION  16216 ***
         ***                                                                    ***
         13:49:58
4658
                                    PAGE  93
4659    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4660
4661                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
4662
4663    SOURCE ID = VOL89        ; SOURCE TYPE = VOLUME   :
4664     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
4665    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
4666                                                DAY OF WEEK = WEEKDAY
4667       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
4668       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
4669      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4670                                                DAY OF WEEK = SATURDAY
4671       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4672       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4673      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4674                                                DAY OF WEEK = SUNDAY
4675       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4676       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL92 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL93 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															

```
4715      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
4716      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
4717     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4718                                                DAY OF WEEK = SUNDAY
4719      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
4720      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
4721     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4722 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
     Ops CO\15809 Ops CO. ***        08/28/24
4723  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:49:58
4724
                                  PAGE  96
4725  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4726
4727                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
4728
4729  SOURCE ID = VOL94        ; SOURCE TYPE = VOLUME   :
4730   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
      SCALAR   HOUR   SCALAR   HOUR   SCALAR
4731  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
4732                                                DAY OF WEEK = WEEKDAY
4733      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .1000E+01
4734      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .0000E+00
4735     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4736                                                DAY OF WEEK = SATURDAY
4737      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
4738      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
4739     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4740                                                DAY OF WEEK = SUNDAY
4741      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
4742      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
4743     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4744 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
     Ops CO\15809 Ops CO. ***        08/28/24
4745  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:49:58
4746
                                  PAGE  97
4747  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4748
4749                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
4750
4751  SOURCE ID = VOL95        ; SOURCE TYPE = VOLUME   :
4752   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
      SCALAR   HOUR   SCALAR   HOUR   SCALAR
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- - - -
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                                PAGE  99
*** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                  WEEK (HRDOW) *

SOURCE ID = VOL97        ; SOURCE TYPE = VOLUME   :
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
 SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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                                PAGE 100
*** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                  WEEK (HRDOW) *

SOURCE ID = VOL98        ; SOURCE TYPE = VOLUME   :
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
 SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
```

```
      .0000E+00    7  .0000E+00    8  .0000E+00
4830     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
4831    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
4832 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
     Ops CO\15809 Ops CO. ***        08/28/24
4833  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:49:58
4834
                                PAGE 101
4835  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4836
4837                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
4838
4839  SOURCE ID = VOL99        ; SOURCE TYPE = VOLUME   :
4840   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
      SCALAR   HOUR   SCALAR   HOUR   SCALAR
4841  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
     - - - - - - - - - - - - - - - - - - - -
4842                                              DAY OF WEEK = WEEKDAY
4843     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
4844     9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
4845    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
4846                                              DAY OF WEEK = SATURDAY
4847     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
4848     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
4849    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
4850                                              DAY OF WEEK = SUNDAY
4851     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
4852     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
4853    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
4854 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
     Ops CO\15809 Ops CO. ***        08/28/24
4855  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:49:58
4856
                                PAGE 102
4857  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4858
4859                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
4860
4861  SOURCE ID = VOL100       ; SOURCE TYPE = VOLUME   :
4862   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
      SCALAR   HOUR   SCALAR   HOUR   SCALAR
4863  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
     - - - - - - - - - - - - - - - - - - - -
4864                                              DAY OF WEEK = WEEKDAY
4865     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
4866     9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
4867    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
```

```
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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                                PAGE 103
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL101       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
     9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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                                PAGE 104
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL102       ; SOURCE TYPE = VOLUME   :
```

```
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
 SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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                            PAGE 105
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL103       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL107 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL108 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

```
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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                              PAGE 108
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL109       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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                              PAGE 109
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL110       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
```

```
 .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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                              PAGE 110
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL111       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:49:58

                              PAGE 111
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *
```

```
5058
5059   SOURCE ID = VOL112       ; SOURCE TYPE = VOLUME   :
5060    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
        SCALAR   HOUR   SCALAR   HOUR   SCALAR
5061   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - - -
5062                                                DAY OF WEEK = WEEKDAY
5063      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .1000E+01
5064      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .0000E+00
5065     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5066                                                DAY OF WEEK = SATURDAY
5067      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
5068      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
5069     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5070                                                DAY OF WEEK = SUNDAY
5071      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
5072      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
5073     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5074   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
5075    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:49:58
5076
                                  PAGE 112
5077    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5078
5079                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
5080
5081   SOURCE ID = VOL113       ; SOURCE TYPE = VOLUME   :
5082    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
        SCALAR   HOUR   SCALAR   HOUR   SCALAR
5083   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - - -
5084                                                DAY OF WEEK = WEEKDAY
5085      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .1000E+01
5086      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .0000E+00
5087     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5088                                                DAY OF WEEK = SATURDAY
5089      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
5090      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
5091     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5092                                                DAY OF WEEK = SUNDAY
5093      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
5094      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
5095     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5096   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL114 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL115 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00

```
      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
       .0000E+00    7  .0000E+00    8  .0000E+00
       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
       .0000E+00   15  .0000E+00   16  .0000E+00
      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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                                PAGE 115
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL116       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
       .0000E+00    7  .0000E+00    8  .1000E+01
       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
       .1000E+01   15  .1000E+01   16  .0000E+00
      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
       .0000E+00    7  .0000E+00    8  .0000E+00
       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
       .0000E+00   15  .0000E+00   16  .0000E+00
      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
       .0000E+00    7  .0000E+00    8  .0000E+00
       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
       .0000E+00   15  .0000E+00   16  .0000E+00
      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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                                PAGE 116
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL117       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
```

```
      .0000E+00    7  .0000E+00    8  .1000E+01
     9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:49:58

                             PAGE 117
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL122       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
     9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:49:58

                             PAGE 118
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
```

```
                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                    WEEK (HRDOW) *

 SOURCE ID = VOL123       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:49:58

                              PAGE 119
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                    WEEK (HRDOW) *

 SOURCE ID = VOL124       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL125 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL126 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00

```
5288       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5289      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
5290                                              DAY OF WEEK = SUNDAY
5291       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5292       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5293      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
5294   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
5295    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:49:58
5296
                                  PAGE 122
5297    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5298
5299                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
5300
5301    SOURCE ID = VOL127       ; SOURCE TYPE = VOLUME   :
5302     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
5303    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
5304                                              DAY OF WEEK = WEEKDAY
5305       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
5306       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
5307      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
5308                                              DAY OF WEEK = SATURDAY
5309       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5310       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5311      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
5312                                              DAY OF WEEK = SUNDAY
5313       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5314       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5315      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
5316   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
5317    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:49:58
5318
                                  PAGE 123
5319    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5320
5321                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
5322
5323    SOURCE ID = VOL128       ; SOURCE TYPE = VOLUME   :
5324     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
5325    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
```

5326 DAY OF WEEK = WEEKDAY
5327 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
5328 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .0000E+00
5329 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
5330 DAY OF WEEK = SATURDAY
5331 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
5332 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
5333 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
5334 DAY OF WEEK = SUNDAY
5335 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
5336 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
5337 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
5338 FF *** AERMOD - VERSION 23132 *** *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Ops CO\15809 Ops CO. *** 08/28/24
5339 *** AERMET - VERSION 16216 *** *** *** 13:49:58
5340

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5341 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*
5342
5343 * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *
5344
5345 SOURCE ID = VOL129 ; SOURCE TYPE = VOLUME :
5346 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
5347 - - -

```
5363    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5364
5365                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
5366
5367    SOURCE ID = VOL130       ; SOURCE TYPE = VOLUME   :
5368     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
5369    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
5370                                                DAY OF WEEK = WEEKDAY
5371       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
5372       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
5373      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5374                                                DAY OF WEEK = SATURDAY
5375       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5376       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5377      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5378                                                DAY OF WEEK = SUNDAY
5379       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5380       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5381      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5382    FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
        Ops CO\15809 Ops CO. ***        08/28/24
5383     *** AERMET - VERSION  16216 ***
         ***                                                                    ***
         13:49:58
5384
                                    PAGE 126
5385    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5386
5387                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
5388
5389    SOURCE ID = VOL137       ; SOURCE TYPE = VOLUME   :
5390     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
5391    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
5392                                                DAY OF WEEK = WEEKDAY
5393       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
5394       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
5395      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5396                                                DAY OF WEEK = SATURDAY
5397       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5398       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5399      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5400                                                DAY OF WEEK = SUNDAY
5401       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5402       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
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      .0000E+00   15  .0000E+00   16  .0000E+00
5403    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
5404  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
       *** AERMET - VERSION  16216 ***
       ***                                                                    ***
       13:49:58
5406
                                  PAGE 127
5407   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5408
5409                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                         WEEK (HRDOW) *
5410
5411   SOURCE ID = VOL138       ; SOURCE TYPE = VOLUME   :
5412    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
5413  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
5414                                                DAY OF WEEK = WEEKDAY
5415     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
5416     9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
5417    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
5418                                                DAY OF WEEK = SATURDAY
5419     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
5420     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
5421    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
5422                                                DAY OF WEEK = SUNDAY
5423     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
5424     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
5425    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
5426  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
       *** AERMET - VERSION  16216 ***
       ***                                                                    ***
       13:49:58
5428
                                  PAGE 128
5429   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5430
5431                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                         WEEK (HRDOW) *
5432
5433   SOURCE ID = VOL139       ; SOURCE TYPE = VOLUME   :
5434    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
5435  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
5436                                                DAY OF WEEK = WEEKDAY
5437     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
5438     9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
5439    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
5440                                                DAY OF WEEK = SATURDAY
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5441       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5442       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5443      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
5444                                                DAY OF WEEK = SUNDAY
5445       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5446       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5447      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
5448 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
     Ops CO\15809 Ops CO. ***        08/28/24
5449  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:49:58
5450
                                  PAGE 129
5451  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5452
5453                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
5454
5455  SOURCE ID = VOL140       ; SOURCE TYPE = VOLUME   :
5456   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
      SCALAR   HOUR   SCALAR   HOUR   SCALAR
5457  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
5458                                                DAY OF WEEK = WEEKDAY
5459       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
5460       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
5461      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
5462                                                DAY OF WEEK = SATURDAY
5463       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5464       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5465      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
5466                                                DAY OF WEEK = SUNDAY
5467       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5468       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5469      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
5470 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
     Ops CO\15809 Ops CO. ***        08/28/24
5471  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:49:58
5472
                                  PAGE 130
5473  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5474
5475                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
5476
5477  SOURCE ID = VOL141       ; SOURCE TYPE = VOLUME   :
5478   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
      SCALAR   HOUR   SCALAR   HOUR   SCALAR
```

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5479    - - -
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL144 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

FF *** AERMOD - VERSION 23132 *** *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Ops CO\15809 Ops CO. *** 08/28/24

*** AERMET - VERSION 16216 ***

*** ***

13:49:58

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL152 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL153 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL154 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22					

```
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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                                PAGE 136
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL155       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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                                PAGE 137
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL156       ; SOURCE TYPE = VOLUME   :
```

```
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
 SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
  .1000E+01   15  .1000E+01   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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                            PAGE 138
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL157       ; SOURCE TYPE = VOLUME   :
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
 SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
  .1000E+01   15  .1000E+01   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL158 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

FF *** AERMOD - VERSION 23132 *** *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Ops CO\15809 Ops CO. *** 08/28/24
*** AERMET - VERSION 16216 ***

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL159 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

```
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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                              PAGE 141
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL160       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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                              PAGE 142
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL161       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
```

```
 .1000E+01   15  .1000E+01   16  .0000E+00
17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
 .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
 1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
 .0000E+00    7  .0000E+00    8  .0000E+00
 9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
 .0000E+00   15  .0000E+00   16  .0000E+00
17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
 .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
 1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
 .0000E+00    7  .0000E+00    8  .0000E+00
 9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
 .0000E+00   15  .0000E+00   16  .0000E+00
17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
 .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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                              PAGE 143
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL164       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
 1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
 .0000E+00    7  .0000E+00    8  .1000E+01
 9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
 .1000E+01   15  .1000E+01   16  .0000E+00
17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
 .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
 1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
 .0000E+00    7  .0000E+00    8  .0000E+00
 9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
 .0000E+00   15  .0000E+00   16  .0000E+00
17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
 .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
 1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
 .0000E+00    7  .0000E+00    8  .0000E+00
 9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
 .0000E+00   15  .0000E+00   16  .0000E+00
17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
 .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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                              PAGE 144
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *
```

```
5784
5785   SOURCE ID = VOL165       ; SOURCE TYPE = VOLUME   :
5786    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
        SCALAR   HOUR   SCALAR   HOUR   SCALAR
5787   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - - -
5788                                                DAY OF WEEK = WEEKDAY
5789      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .1000E+01
5790      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .0000E+00
5791     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5792                                                DAY OF WEEK = SATURDAY
5793      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
5794      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
5795     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5796                                                DAY OF WEEK = SUNDAY
5797      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
5798      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
5799     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5800   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
5801    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
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5802
                                  PAGE 145
5803    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5804
5805                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
5806
5807    SOURCE ID = PAREA1       ; SOURCE TYPE = AREAPOLY :
5808    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
        SCALAR   HOUR   SCALAR   HOUR   SCALAR
5809   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - - -
5810                                                DAY OF WEEK = WEEKDAY
5811      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .1000E+01
5812      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .0000E+00
5813     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5814                                                DAY OF WEEK = SATURDAY
5815      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
5816      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
5817     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5818                                                DAY OF WEEK = SUNDAY
5819      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
5820      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
5821     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5822   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(496491.3, 3767684.6, 836.3, 1522.0, 2.0); (496509.6, 3767701.3, 837.5, 1522.0, 2.0);
(496521.2, 3767712.1, 838.2, 1522.0, 2.0); (496534.5, 3767724.3, 839.1, 1522.0, 2.0);
(496563.4, 3767745.6, 840.0, 1522.0, 2.0); (496575.5, 3767754.3, 840.5, 1522.0, 2.0);
(496589.5, 3767762.6, 840.7, 1522.0, 2.0); (496604.9, 3767771.6, 840.9, 1522.0, 2.0);
(496619.4, 3767780.2, 841.1, 1522.0, 2.0); (496633.1, 3767787.0, 841.5, 1522.0, 2.0);
(496647.9, 3767797.3, 842.7, 1522.0, 2.0); (496661.0, 3767803.9, 843.9, 1522.0, 2.0);
(496675.7, 3767812.1, 844.7, 1522.0, 2.0); (496691.0, 3767821.9, 845.6, 1522.0, 2.0);
(496703.2, 3767832.6, 846.8, 1522.0, 2.0); (496717.5, 3767837.2, 847.8, 1522.0, 2.0);
(496731.8, 3767845.2, 848.7, 1522.0, 2.0); (496744.7, 3767855.9, 849.5, 1522.0, 2.0);
(496759.5, 3767861.5, 850.1, 1522.0, 2.0); (496789.1, 3767879.0, 851.7, 1522.0, 2.0);
(496845.4, 3767943.8, 853.6, 1708.0, 2.0); (496884.5, 3767947.2, 855.0, 1708.0, 2.0);
(497023.0, 3767549.1, 856.3, 1522.0, 2.0); (496976.9, 3767441.9, 855.4, 1522.0, 2.0);
(496745.3, 3767481.3, 842.8, 1522.0, 2.0); (496485.9, 3767499.6, 829.0, 1522.0, 2.0);
(496274.0, 3767438.7, 819.9, 1522.0, 2.0); (496184.7, 3767504.2, 818.3, 1522.0, 2.0);
(496192.5, 3767584.9, 819.7, 1522.0, 2.0);

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

1 1 1

```
                1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
5860            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
                1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
5861            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1
5862
5863                NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT
                    IS INCLUDED IN THE DATA FILE.
5864
5865
5866
5867                                    *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED
                                        CATEGORIES ***
5868                                                    (METERS/SEC)
5869
5870                                                 1.54,   3.09,   5.14,   8.23,  10.80,
5871    FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
        Ops CO\15809 Ops CO. ***        08/28/24
5872     *** AERMET - VERSION  16216 ***
         ***                                                                    ***
         13:49:58
5873
                                    PAGE 148
5874     *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5875
5876                                        *** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA
                                            ***
5877
5878       Surface file:
           ..\RDLD_V9_ADJU\RDLD_v9.SFC
           Met Version:  16216
5879       Profile file:
           ..\RDLD_V9_ADJU\RDLD_v9.PFL
5880       Surface format:
           FREE

5881       Profile format:
           FREE

5882       Surface station no.:     3171                  Upper air station no.:     3190
5883                       Name: UNKNOWN                                  Name:
                           UNKNOWN
5884                       Year:   2012                                   Year:   2012
5885
5886     First 24 hours of scalar data
5887     YR MO DY JDY HR     H0     U*     W*  DT/DZ ZICNV ZIMCH  M-O LEN    Z0  BOWEN ALBEDO
         REF WS   WD     HT  REF TA     HT
5888    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - -
5889     12 01 01   1 01  -10.6  0.149 -9.000 -9.000 -999.  138.     26.7  0.32   3.22   1.00
         1.30  110.    9.1  285.4    5.5
5890     12 01 01   1 02   -5.0  0.102 -9.000 -9.000 -999.   78.     17.9  0.32   3.22   1.00
         0.90  130.    9.1  284.5    5.5
5891     12 01 01   1 03   -5.0  0.102 -9.000 -9.000 -999.   78.     17.9  0.32   3.22   1.00
         0.90  100.    9.1  285.0    5.5
5892     12 01 01   1 04   -5.0  0.102 -9.000 -9.000 -999.   78.     17.9  0.32   3.22   1.00
         0.90  107.    9.1  284.6    5.5
5893     12 01 01   1 05  -10.7  0.149 -9.000 -9.000 -999.  138.     26.7  0.32   3.22   1.00
         1.30   98.    9.1  284.9    5.5
5894     12 01 01   1 06   -5.0  0.102 -9.000 -9.000 -999.   78.     17.9  0.32   3.22   1.00
         0.90   86.    9.1  284.5    5.5
5895     12 01 01   1 07   -5.0  0.102 -9.000 -9.000 -999.   78.     17.9  0.32   3.22   1.00
         0.90   91.    9.1  284.0    5.5
5896     12 01 01   1 08   -4.0  0.102 -9.000 -9.000 -999.   78.     22.9  0.32   3.22   0.54
         0.90  107.    9.1  285.0    5.5
5897     12 01 01   1 09   44.6  0.237  0.382  0.006   43.  276.    -25.6  0.15   3.22   0.33
         2.10   81.   10.1  289.1    5.5
```

```
5898    12 01 01   1 10  134.3  0.111  0.882  0.008  176.   99.     -1.0  0.32   3.22   0.26
        0.40   72.    9.1  295.1    5.5
5899    12 01 01   1 11  199.8  0.409  1.429  0.005  503.  627.    -29.4  0.15   3.22   0.23
        3.68   78.   10.1  297.9    5.5
5900    12 01 01   1 12  232.3  0.300  1.889  0.005  999.  402.    -10.0  0.32   3.22   0.22
        1.80  333.    9.1  299.4    5.5
5901    12 01 01   1 13  230.0  0.300  2.134  0.005 1453.  394.    -10.1  0.32   3.22   0.22
        1.80   72.    9.1  300.4    5.5
5902    12 01 01   1 14  194.0  0.294  2.109  0.005 1663.  382.    -11.2  0.32   3.22   0.24
        1.80  277.    9.1  301.0    5.5
5903    12 01 01   1 15  126.3  0.378  1.872  0.005 1784.  557.    -36.5  0.32   3.22   0.27
        2.70  243.    9.1  301.0    5.5
5904    12 01 01   1 16   39.5  0.199  1.278  0.005 1817.  240.    -17.2  0.32   3.22   0.36
        1.30  274.    9.1  300.1    5.5
5905    12 01 01   1 17   -4.7  0.101 -9.000 -9.000 -999.   85.     19.0  0.32   3.22   0.65
        0.90  252.    9.1  298.2    5.5
5906    12 01 01   1 18   -4.9  0.102 -9.000 -9.000 -999.   78.     18.2  0.32   3.22   1.00
        0.90  116.    9.1  296.4    5.5
5907    12 01 01   1 19  -18.8  0.204 -9.000 -9.000 -999.  220.     45.6  0.15   3.22   1.00
        2.27   79.   10.1  292.2    5.5
5908    12 01 01   1 20   -5.0  0.102 -9.000 -9.000 -999.   83.     18.1  0.32   3.22   1.00
        0.90   95.    9.1  290.2    5.5
5909    12 01 01   1 21   -5.0  0.102 -9.000 -9.000 -999.   78.     18.0  0.32   3.22   1.00
        0.90   99.    9.1  287.8    5.5
5910    12 01 01   1 22   -5.0  0.102 -9.000 -9.000 -999.   78.     18.0  0.32   3.22   1.00
        0.90  110.    9.1  287.6    5.5
5911    12 01 01   1 23  -10.6  0.149 -9.000 -9.000 -999.  138.     26.8  0.32   3.22   1.00
        1.30   89.    9.1  287.2    5.5
5912    12 01 01   1 24   -5.0  0.102 -9.000 -9.000 -999.   78.     17.9  0.32   3.22   1.00
        0.90  105.    9.1  285.9    5.5
5913
5914
5915    First hour of profile data
5916    YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
5917    12 01 01 01    5.5 0 -999.  -99.00   285.5   99.0  -99.00  -99.00
5918    12 01 01 01    9.1 1  110.    1.30  -999.0   99.0  -99.00  -99.00
5919
5920    F indicates top of profile (=1) or below (=0)
5921    FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
        Ops CO\15809 Ops CO. ***        08/28/24
5922    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:49:58
5923
                                  PAGE 149
5924    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5925
5926                              *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION   VALUES
                                  FOR SOURCE GROUP:  ALL      ***
5927                                  INCLUDING SOURCE(S):     VOL1        , VOL2        ,
                                      VOL3        , VOL4        , VOL5        ,
5928                    VOL6        , VOL7        , VOL8        , VOL9        , VOL10       ,
                        VOL11       , VOL13       , VOL14       ,
5929                    VOL15       , VOL16       , VOL17       , VOL18       , VOL19       ,
                        VOL20       , VOL21       , VOL22       ,
5930                    VOL23       , VOL24       , VOL25       , VOL26       , VOL27       ,
                        VOL28       , VOL29       ,  . . .      ,
5931
5932                                      *** DISCRETE CARTESIAN RECEPTOR POINTS ***
5933
5934                                   ** CONC OF PM_10    IN
                                      MICROGRAMS/M**3                          **
5935
5936         X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
             Y-COORD (M)        CONC     (YYMMDDHH)
5937    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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 - - - - - - - - - - - - - - - - - - - - -
          496491.32   3767684.64        3.36349  (16010624)                496509.63
          3767701.31        3.34398  (16010624)
          496521.17   3767712.07        3.32495  (16122324)                496534.49
          3767724.30        3.26897  (16122324)
          496563.40   3767745.58        2.96747  (16122324)                496575.48
          3767754.30        2.85614  (16122324)
          496589.51   3767762.56        2.82229  (16122324)                496604.86
          3767771.60        2.72375  (13121924)
          496619.43   3767780.25        2.65749  (16122324)                496633.15
          3767787.03        2.72182  (13121924)
          496647.88   3767797.32        2.68741  (13121924)                496661.05
          3767803.94        2.74489  (13121924)
          496675.70   3767812.13        2.54539  (13121924)                496691.05
          3767821.95        2.29134  (13121924)
          496703.21   3767832.62        2.11734  (13121924)                496717.55
          3767837.22        1.98642  (13121924)
          496731.81   3767845.25        1.67830  (13121924)                496744.74
          3767855.92        1.40228  (13121924)
          496759.47   3767861.53        1.16199  (13121924)                496789.08
          3767878.99        0.77022  (13100424)
          496845.37   3767943.79        0.38775  (13100424)                496884.55
          3767947.23        0.32525  (13100424)
          497022.97   3767549.13        0.84947  (13112024)                496976.92
          3767441.88        0.54042c (13020624)
          496745.27   3767481.35        1.43546c (13020624)                496485.87
          3767499.65        1.53368  (13012524)
          496273.95   3767438.73        0.61792  (13012524)                496184.72
          3767504.22        0.65134  (13012524)
          496192.45   3767584.87        0.67273
          (13112924)

FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:49:58

                                PAGE 150
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                                                  *** THE SUMMARY OF HIGHEST 24-HR RESULTS
                                                  ***


                                     ** CONC OF PM_10    IN
                                     MICROGRAMS/M**3                          **


                                                        DATE

                                                       NETWORK
GROUP ID                              AVERAGE CONC     (YYMMDDHH)             RECEPTOR  (XR,
YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -

ALL      HIGH   1ST HIGH VALUE IS       3.36349  ON 16010624: AT (  496491.32,
3767684.64,   836.32,  1522.00,    2.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

--------- Summary of Total Messages --------

A Total of 0 Fatal Error Message(s)
A Total of 2 Warning Message(s)
A Total of 388 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 191 Calm Hours Identified

A Total of 197 Missing Hours Identified (0.45 Percent)

******** FATAL ERROR MESSAGES ********
*** NONE ***

******** WARNING MESSAGES ********
ME W186 2406 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 2406 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

****
*** AERMOD Finishes Successfully ***
****

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**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 8/28/2024
** File: C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Const PM25\15809 Const PM25.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Ops CO\15809 Ops CO.
   MODELOPT DFAULT CONC
   AVERTIME 24
   URBANOPT 2035210 San_Bernardino_County
   POLLUTID PM_2.5
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "15809 Const PM25.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     496472.620  3767547.290      830.120
   LOCATION VOL2         VOLUME     496495.514  3767547.297      831.070
   LOCATION VOL3         VOLUME     496541.322  3767547.282      833.810
   LOCATION VOL4         VOLUME     496518.428  3767547.276      832.290
   LOCATION VOL5         VOLUME     496564.249  3767547.271      835.340
   LOCATION VOL6         VOLUME     496587.143  3767547.277      837.220
   LOCATION VOL7         VOLUME     496610.057  3767547.256      838.820
   LOCATION VOL8         VOLUME     496632.951  3767547.263      839.830
   LOCATION VOL9         VOLUME     496747.555  3767547.242      842.940
   LOCATION VOL10        VOLUME     496770.449  3767547.249      844.590
   LOCATION VOL11        VOLUME     496793.363  3767547.228      846.080
   LOCATION VOL13        VOLUME     496724.628  3767547.254      842.460
   LOCATION VOL14        VOLUME     496701.734  3767547.247      841.360
   LOCATION VOL15        VOLUME     496678.820  3767547.268      840.740
   LOCATION VOL16        VOLUME     496655.926  3767547.261      840.600
   LOCATION VOL17        VOLUME     496793.345  3767570.508      846.500
   LOCATION VOL18        VOLUME     496770.431  3767570.529      845.110
   LOCATION VOL19        VOLUME     496747.537  3767570.523      843.280
   LOCATION VOL20        VOLUME     496724.610  3767570.534      843.170
   LOCATION VOL21        VOLUME     496701.716  3767570.528      842.530
   LOCATION VOL22        VOLUME     496678.802  3767570.549      842.090
   LOCATION VOL23        VOLUME     496632.933  3767570.544      841.220
   LOCATION VOL24        VOLUME     496655.908  3767570.542      841.880
   LOCATION VOL25        VOLUME     496610.039  3767570.537      839.800
   LOCATION VOL26        VOLUME     496587.125  3767570.558      838.340
   LOCATION VOL27        VOLUME     496564.231  3767570.551      836.860
   LOCATION VOL28        VOLUME     496541.304  3767570.563      835.220
   LOCATION VOL29        VOLUME     496518.410  3767570.556      833.690
   LOCATION VOL30        VOLUME     496495.496  3767570.577      832.160
   LOCATION VOL31        VOLUME     496472.602  3767570.571      830.850
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     LOCATION VOL32        VOLUME     496793.200  3767593.626      846.830
     LOCATION VOL33        VOLUME     496770.286  3767593.647      845.610
     LOCATION VOL34        VOLUME     496747.392  3767593.640      844.750
     LOCATION VOL35        VOLUME     496724.465  3767593.652      844.050
     LOCATION VOL36        VOLUME     496701.571  3767593.645      843.290
     LOCATION VOL37        VOLUME     496678.657  3767593.666      842.560
     LOCATION VOL38        VOLUME     496632.788  3767593.661      841.920
     LOCATION VOL39        VOLUME     496655.763  3767593.659      841.990
     LOCATION VOL40        VOLUME     496609.894  3767593.654      840.560
     LOCATION VOL41        VOLUME     496586.980  3767593.676      839.440
     LOCATION VOL42        VOLUME     496564.086  3767593.669      838.230
     LOCATION VOL43        VOLUME     496541.159  3767593.680      836.000
     LOCATION VOL44        VOLUME     496518.265  3767593.674      834.450
     LOCATION VOL45        VOLUME     496495.351  3767593.695      832.920
     LOCATION VOL46        VOLUME     496472.457  3767593.688      831.420
     LOCATION VOL47        VOLUME     496793.307  3767616.825      847.260
     LOCATION VOL48        VOLUME     496770.394  3767616.846      846.360
     LOCATION VOL49        VOLUME     496747.500  3767616.839      845.600
     LOCATION VOL50        VOLUME     496724.573  3767616.851      844.830
     LOCATION VOL51        VOLUME     496701.678  3767616.844      844.070
     LOCATION VOL52        VOLUME     496678.765  3767616.865      843.310
     LOCATION VOL53        VOLUME     496632.896  3767616.860      842.060
     LOCATION VOL54        VOLUME     496655.871  3767616.858      842.590
     LOCATION VOL55        VOLUME     496610.001  3767616.853      841.120
     LOCATION VOL56        VOLUME     496587.088  3767616.874      839.950
     LOCATION VOL57        VOLUME     496564.194  3767616.868      838.670
     LOCATION VOL58        VOLUME     496541.267  3767616.879      837.440
     LOCATION VOL59        VOLUME     496518.372  3767616.872      835.420
     LOCATION VOL60        VOLUME     496495.459  3767616.894      833.700
     LOCATION VOL62        VOLUME     496793.200  3767640.023      847.890
     LOCATION VOL63        VOLUME     496770.286  3767640.045      846.980
     LOCATION VOL64        VOLUME     496747.392  3767640.038      845.900
     LOCATION VOL65        VOLUME     496724.465  3767640.049      845.140
     LOCATION VOL66        VOLUME     496701.571  3767640.043      844.380
     LOCATION VOL67        VOLUME     496678.657  3767640.064      843.610
     LOCATION VOL68        VOLUME     496632.788  3767640.059      842.080
     LOCATION VOL69        VOLUME     496655.763  3767640.057      842.850
     LOCATION VOL70        VOLUME     496609.894  3767640.052      841.640
     LOCATION VOL71        VOLUME     496586.980  3767640.073      840.580
     LOCATION VOL72        VOLUME     496564.086  3767640.066      839.160
     LOCATION VOL73        VOLUME     496541.159  3767640.078      838.040
     LOCATION VOL74        VOLUME     496518.265  3767640.071      836.140
     LOCATION VOL77        VOLUME     496793.092  3767663.330      848.430
     LOCATION VOL78        VOLUME     496770.178  3767663.351      847.410
     LOCATION VOL79        VOLUME     496747.284  3767663.344      846.140
     LOCATION VOL80        VOLUME     496724.357  3767663.356      845.380
     LOCATION VOL81        VOLUME     496701.463  3767663.349      844.460
     LOCATION VOL82        VOLUME     496678.549  3767663.371      843.610
     LOCATION VOL83        VOLUME     496632.680  3767663.365      842.080
     LOCATION VOL84        VOLUME     496655.655  3767663.364      842.850
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     LOCATION VOL86        VOLUME     496586.872  3767663.380      841.110
     LOCATION VOL87        VOLUME     496563.978  3767663.373      839.580
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     LOCATION VOL89        VOLUME     496518.157  3767663.378      836.700
     LOCATION VOL92        VOLUME     496793.092  3767686.421      848.430
     LOCATION VOL93        VOLUME     496770.178  3767686.442      847.660
     LOCATION VOL94        VOLUME     496747.284  3767686.435      846.900
     LOCATION VOL95        VOLUME     496724.357  3767686.447      846.140
     LOCATION VOL96        VOLUME     496701.463  3767686.440      844.750
     LOCATION VOL97        VOLUME     496678.549  3767686.461      843.610
     LOCATION VOL98        VOLUME     496632.680  3767686.456      842.080
     LOCATION VOL99        VOLUME     496655.655  3767686.455      842.850
     LOCATION VOL100       VOLUME     496609.786  3767686.450      841.990
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     LOCATION VOL102       VOLUME     496563.978  3767686.464      839.580
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    LOCATION VOL107       VOLUME     496793.092  3767709.512      848.430
    LOCATION VOL108       VOLUME     496770.178  3767709.533      847.660
    LOCATION VOL109       VOLUME     496747.284  3767709.526      846.900
    LOCATION VOL110       VOLUME     496724.357  3767709.538      846.140
    LOCATION VOL111       VOLUME     496701.463  3767709.531      844.750
    LOCATION VOL112       VOLUME     496678.549  3767709.552      843.610
    LOCATION VOL113       VOLUME     496632.680  3767709.547      842.080
    LOCATION VOL114       VOLUME     496655.655  3767709.546      842.850
    LOCATION VOL115       VOLUME     496609.786  3767709.540      841.470
    LOCATION VOL116       VOLUME     496586.872  3767709.562      840.670
    LOCATION VOL117       VOLUME     496563.978  3767709.555      839.740
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    LOCATION VOL124       VOLUME     496747.068  3767732.725      846.890
    LOCATION VOL125       VOLUME     496724.141  3767732.737      846.130
    LOCATION VOL126       VOLUME     496701.247  3767732.730      844.730
    LOCATION VOL127       VOLUME     496678.333  3767732.751      843.380
    LOCATION VOL128       VOLUME     496632.464  3767732.746      841.520
    LOCATION VOL129       VOLUME     496655.439  3767732.744      842.290
    LOCATION VOL130       VOLUME     496609.570  3767732.739      840.760
    LOCATION VOL137       VOLUME     496792.768  3767755.909      849.020
    LOCATION VOL138       VOLUME     496769.854  3767755.931      847.980
    LOCATION VOL139       VOLUME     496746.960  3767755.924      847.180
    LOCATION VOL140       VOLUME     496724.033  3767755.935      846.170
    LOCATION VOL141       VOLUME     496701.139  3767755.929      844.520
    LOCATION VOL142       VOLUME     496678.225  3767755.950      843.000
    LOCATION VOL144       VOLUME     496655.331  3767755.943      841.840
    LOCATION VOL152       VOLUME     496792.598  3767779.016      849.410
    LOCATION VOL153       VOLUME     496769.685  3767779.038      848.650
    LOCATION VOL154       VOLUME     496746.790  3767779.031      847.780
    LOCATION VOL155       VOLUME     496723.863  3767779.042      846.320
    LOCATION VOL156       VOLUME     496700.969  3767779.036      844.230
    LOCATION VOL157       VOLUME     496678.056  3767779.057      842.790
    LOCATION VOL158       VOLUME     496792.382  3767802.215      849.400
    LOCATION VOL159       VOLUME     496769.469  3767802.236      848.640
    LOCATION VOL160       VOLUME     496746.575  3767802.230      847.860
    LOCATION VOL161       VOLUME     496723.648  3767802.241      847.000
    LOCATION VOL164       VOLUME     496792.382  3767825.198      850.040
    LOCATION VOL165       VOLUME     496769.469  3767825.219      849.280
    LOCATION PAREA1       AREAPOLY   496461.488  3767535.794      829.360
** Source Parameters **
    SRCPARAM VOL1         0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL2         0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL3         0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL4         0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL5         0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL6         0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL7         0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL8         0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL9         0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL10        0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL11        0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL13        0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL14        0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL15        0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL16        0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL17        0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL18        0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL19        0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL20        0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL21        0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL22        0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL23        0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL24        0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL25        0.0002057259     5.000     5.309     1.400
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199      SRCPARAM VOL26        0.0002057259     5.000     5.309     1.400
200      SRCPARAM VOL27        0.0002057259     5.000     5.309     1.400
201      SRCPARAM VOL28        0.0002057259     5.000     5.309     1.400
202      SRCPARAM VOL29        0.0002057259     5.000     5.309     1.400
203      SRCPARAM VOL30        0.0002057259     5.000     5.309     1.400
204      SRCPARAM VOL31        0.0002057259     5.000     5.309     1.400
205      SRCPARAM VOL32        0.0002057259     5.000     5.309     1.400
206      SRCPARAM VOL33        0.0002057259     5.000     5.309     1.400
207      SRCPARAM VOL34        0.0002057259     5.000     5.309     1.400
208      SRCPARAM VOL35        0.0002057259     5.000     5.309     1.400
209      SRCPARAM VOL36        0.0002057259     5.000     5.309     1.400
210      SRCPARAM VOL37        0.0002057259     5.000     5.309     1.400
211      SRCPARAM VOL38        0.0002057259     5.000     5.309     1.400
212      SRCPARAM VOL39        0.0002057259     5.000     5.309     1.400
213      SRCPARAM VOL40        0.0002057259     5.000     5.309     1.400
214      SRCPARAM VOL41        0.0002057259     5.000     5.309     1.400
215      SRCPARAM VOL42        0.0002057259     5.000     5.309     1.400
216      SRCPARAM VOL43        0.0002057259     5.000     5.309     1.400
217      SRCPARAM VOL44        0.0002057259     5.000     5.309     1.400
218      SRCPARAM VOL45        0.0002057259     5.000     5.309     1.400
219      SRCPARAM VOL46        0.0002057259     5.000     5.309     1.400
220      SRCPARAM VOL47        0.0002057259     5.000     5.309     1.400
221      SRCPARAM VOL48        0.0002057259     5.000     5.309     1.400
222      SRCPARAM VOL49        0.0002057259     5.000     5.309     1.400
223      SRCPARAM VOL50        0.0002057259     5.000     5.309     1.400
224      SRCPARAM VOL51        0.0002057259     5.000     5.309     1.400
225      SRCPARAM VOL52        0.0002057259     5.000     5.309     1.400
226      SRCPARAM VOL53        0.0002057259     5.000     5.309     1.400
227      SRCPARAM VOL54        0.0002057259     5.000     5.309     1.400
228      SRCPARAM VOL55        0.0002057259     5.000     5.309     1.400
229      SRCPARAM VOL56        0.0002057259     5.000     5.309     1.400
230      SRCPARAM VOL57        0.0002057259     5.000     5.309     1.400
231      SRCPARAM VOL58        0.0002057259     5.000     5.309     1.400
232      SRCPARAM VOL59        0.0002057259     5.000     5.309     1.400
233      SRCPARAM VOL60        0.0002057259     5.000     5.309     1.400
234      SRCPARAM VOL62        0.0002057259     5.000     5.309     1.400
235      SRCPARAM VOL63        0.0002057259     5.000     5.309     1.400
236      SRCPARAM VOL64        0.0002057259     5.000     5.309     1.400
237      SRCPARAM VOL65        0.0002057259     5.000     5.309     1.400
238      SRCPARAM VOL66        0.0002057259     5.000     5.309     1.400
239      SRCPARAM VOL67        0.0002057259     5.000     5.309     1.400
240      SRCPARAM VOL68        0.0002057259     5.000     5.309     1.400
241      SRCPARAM VOL69        0.0002057259     5.000     5.309     1.400
242      SRCPARAM VOL70        0.0002057259     5.000     5.309     1.400
243      SRCPARAM VOL71        0.0002057259     5.000     5.309     1.400
244      SRCPARAM VOL72        0.0002057259     5.000     5.309     1.400
245      SRCPARAM VOL73        0.0002057259     5.000     5.309     1.400
246      SRCPARAM VOL74        0.0002057259     5.000     5.309     1.400
247      SRCPARAM VOL77        0.0002057259     5.000     5.309     1.400
248      SRCPARAM VOL78        0.0002057259     5.000     5.309     1.400
249      SRCPARAM VOL79        0.0002057259     5.000     5.309     1.400
250      SRCPARAM VOL80        0.0002057259     5.000     5.309     1.400
251      SRCPARAM VOL81        0.0002057259     5.000     5.309     1.400
252      SRCPARAM VOL82        0.0002057259     5.000     5.309     1.400
253      SRCPARAM VOL83        0.0002057259     5.000     5.309     1.400
254      SRCPARAM VOL84        0.0002057259     5.000     5.309     1.400
255      SRCPARAM VOL85        0.0002057259     5.000     5.309     1.400
256      SRCPARAM VOL86        0.0002057259     5.000     5.309     1.400
257      SRCPARAM VOL87        0.0002057259     5.000     5.309     1.400
258      SRCPARAM VOL88        0.0002057259     5.000     5.309     1.400
259      SRCPARAM VOL89        0.0002057259     5.000     5.309     1.400
260      SRCPARAM VOL92        0.0002057259     5.000     5.309     1.400
261      SRCPARAM VOL93        0.0002057259     5.000     5.309     1.400
262      SRCPARAM VOL94        0.0002057259     5.000     5.309     1.400
263      SRCPARAM VOL95        0.0002057259     5.000     5.309     1.400
264      SRCPARAM VOL96        0.0002057259     5.000     5.309     1.400
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    SRCPARAM VOL97        0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL98        0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL99        0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL100       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL101       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL102       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL103       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL107       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL108       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL109       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL110       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL111       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL112       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL113       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL114       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL115       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL116       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL117       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL122       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL123       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL124       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL125       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL126       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL127       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL128       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL129       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL130       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL137       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL138       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL139       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL140       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL141       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL142       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL144       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL152       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL153       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL154       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL155       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL156       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL157       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL158       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL159       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL160       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL161       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL164       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL165       0.0002057259     5.000     5.309     1.400
    SRCPARAM PAREA1       5.8863E-07     0.000        22     1.000
    AREAVERT PAREA1       496461.488 3767535.794 496461.134 3767604.780
    AREAVERT PAREA1       496484.129 3767605.134 496483.776 3767628.837
    AREAVERT PAREA1       496506.771 3767629.191 496506.771 3767674.828
    AREAVERT PAREA1       496529.766 3767674.474 496529.766 3767697.823
    AREAVERT PAREA1       496552.762 3767698.177 496552.408 3767721.172
    AREAVERT PAREA1       496598.045 3767720.465 496598.399 3767744.168
    AREAVERT PAREA1       496644.036 3767744.168 496643.682 3767766.809
    AREAVERT PAREA1       496666.677 3767767.517 496666.677 3767790.512
    AREAVERT PAREA1       496711.607 3767790.512 496712.314 3767813.154
    AREAVERT PAREA1       496757.951 3767813.507 496757.951 3767836.149
    AREAVERT PAREA1       496803.942 3767836.503 496804.296 3767536.502
    URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
    EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT VOL1         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT VOL1         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL2         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL3         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL4         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL5         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Sunday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL6         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL7         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL8         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL9         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL10        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL11        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL13        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL14        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL15        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL16        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL17        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL18        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL19        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL20        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL21        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL22        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL23        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL24        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL25        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL26        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL27        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL28        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Sunday:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL29        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL30        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL31        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL32        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL33        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL34        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL35        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL36        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL37        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL38        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL39        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL40        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL41        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL42        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL43        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL44        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL45        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL46        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL47        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL48        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL49        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL50        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Sunday:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL51        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL52        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL53        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL54        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL55        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL56        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL57        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL58        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL59        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL60        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL62        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL63        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL64        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL65        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL66        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL67        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL68        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL69        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL70        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL71        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL72        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL73        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Sunday:
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL74        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL77        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL78        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL79        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL80        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL81        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL82        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL83        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL84        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL85        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL86        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL87        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL88        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL89        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL92        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL93        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL94        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL95        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL96        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL97        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL98        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL99        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Sunday:
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL100       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL101       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL102       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL103       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL107       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL108       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL109       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL110       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL111       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL112       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL113       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL114       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL115       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL116       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL117       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL122       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL123       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL124       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL125       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL126       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL127       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL128       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Sunday:
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL129       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL130       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL137       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL138       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL139       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL140       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL141       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL142       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL144       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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     EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** Sunday:
     EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** WeekDays:
     EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL152       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
     EMISFACT VOL152       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
     EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** Saturday:
     EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** Sunday:
     EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** WeekDays:
     EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL153       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
     EMISFACT VOL153       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
     EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** Saturday:
     EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** Sunday:
     EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** WeekDays:
     EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL154       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
     EMISFACT VOL154       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
     EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** Saturday:
     EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** Sunday:
     EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** WeekDays:
     EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL155       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
     EMISFACT VOL155       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
     EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** Saturday:
     EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** Sunday:
     EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL156       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL157       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL158       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL159       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL160       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL161       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL164       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL165       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA1       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

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** Sunday:
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
**********************************
** AERMOD Receptor Pathway
**********************************
**
**
RE STARTING
   INCLUDED "15809 Const PM25.rou"
RE FINISHED
**
**********************************
** AERMOD Meteorology Pathway
**********************************
**
**
ME STARTING
   SURFFILE ..\RDLD_V9_ADJU\RDLD_v9.SFC
   PROFFILE ..\RDLD_V9_ADJU\RDLD_v9.PFL
   SURFDATA 3171 2012
   UAIRDATA 3190 2012
   SITEDATA 99999 2012
   PROFBASE 481.0 METERS
ME FINISHED
**
**********************************
** AERMOD Output Pathway
**********************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 24 ALL 1ST "15809 CONST PM25.AD\24H1GALL.PLT" 31
   SUMMFILE "15809 Const PM25.sum"
OU FINISHED
**
**********************************
** Project Parameters
**********************************
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    North American Datum 1983
** DTMRGN   CONUS
** UNITS    m
** ZONE     11
** ZONEINX  0
**
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**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 8/28/2024
** File: C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Const PM25\15809 Const PM25.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Ops CO\15809 Ops CO.
   MODELOPT DFAULT CONC
   AVERTIME 24
   URBANOPT 2035210 San_Bernardino_County
   POLLUTID PM_2.5
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "15809 Const PM25.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     496472.620  3767547.290      830.120
   LOCATION VOL2         VOLUME     496495.514  3767547.297      831.070
   LOCATION VOL3         VOLUME     496541.322  3767547.282      833.810
   LOCATION VOL4         VOLUME     496518.428  3767547.276      832.290
   LOCATION VOL5         VOLUME     496564.249  3767547.271      835.340
   LOCATION VOL6         VOLUME     496587.143  3767547.277      837.220
   LOCATION VOL7         VOLUME     496610.057  3767547.256      838.820
   LOCATION VOL8         VOLUME     496632.951  3767547.263      839.830
   LOCATION VOL9         VOLUME     496747.555  3767547.242      842.940
   LOCATION VOL10        VOLUME     496770.449  3767547.249      844.590
   LOCATION VOL11        VOLUME     496793.363  3767547.228      846.080
   LOCATION VOL13        VOLUME     496724.628  3767547.254      842.460
   LOCATION VOL14        VOLUME     496701.734  3767547.247      841.360
   LOCATION VOL15        VOLUME     496678.820  3767547.268      840.740
   LOCATION VOL16        VOLUME     496655.926  3767547.261      840.600
   LOCATION VOL17        VOLUME     496793.345  3767570.508      846.500
   LOCATION VOL18        VOLUME     496770.431  3767570.529      845.110
   LOCATION VOL19        VOLUME     496747.537  3767570.523      843.280
   LOCATION VOL20        VOLUME     496724.610  3767570.534      843.170
   LOCATION VOL21        VOLUME     496701.716  3767570.528      842.530
   LOCATION VOL22        VOLUME     496678.802  3767570.549      842.090
   LOCATION VOL23        VOLUME     496632.933  3767570.544      841.220
   LOCATION VOL24        VOLUME     496655.908  3767570.542      841.880
   LOCATION VOL25        VOLUME     496610.039  3767570.537      839.800
   LOCATION VOL26        VOLUME     496587.125  3767570.558      838.340
   LOCATION VOL27        VOLUME     496564.231  3767570.551      836.860
   LOCATION VOL28        VOLUME     496541.304  3767570.563      835.220
   LOCATION VOL29        VOLUME     496518.410  3767570.556      833.690
   LOCATION VOL30        VOLUME     496495.496  3767570.577      832.160
   LOCATION VOL31        VOLUME     496472.602  3767570.571      830.850
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     LOCATION VOL33        VOLUME     496770.286  3767593.647      845.610
     LOCATION VOL34        VOLUME     496747.392  3767593.640      844.750
     LOCATION VOL35        VOLUME     496724.465  3767593.652      844.050
     LOCATION VOL36        VOLUME     496701.571  3767593.645      843.290
     LOCATION VOL37        VOLUME     496678.657  3767593.666      842.560
     LOCATION VOL38        VOLUME     496632.788  3767593.661      841.920
     LOCATION VOL39        VOLUME     496655.763  3767593.659      841.990
     LOCATION VOL40        VOLUME     496609.894  3767593.654      840.560
     LOCATION VOL41        VOLUME     496586.980  3767593.676      839.440
     LOCATION VOL42        VOLUME     496564.086  3767593.669      838.230
     LOCATION VOL43        VOLUME     496541.159  3767593.680      836.000
     LOCATION VOL44        VOLUME     496518.265  3767593.674      834.450
     LOCATION VOL45        VOLUME     496495.351  3767593.695      832.920
     LOCATION VOL46        VOLUME     496472.457  3767593.688      831.420
     LOCATION VOL47        VOLUME     496793.307  3767616.825      847.260
     LOCATION VOL48        VOLUME     496770.394  3767616.846      846.360
     LOCATION VOL49        VOLUME     496747.500  3767616.839      845.600
     LOCATION VOL50        VOLUME     496724.573  3767616.851      844.830
     LOCATION VOL51        VOLUME     496701.678  3767616.844      844.070
     LOCATION VOL52        VOLUME     496678.765  3767616.865      843.310
     LOCATION VOL53        VOLUME     496632.896  3767616.860      842.060
     LOCATION VOL54        VOLUME     496655.871  3767616.858      842.590
     LOCATION VOL55        VOLUME     496610.001  3767616.853      841.120
     LOCATION VOL56        VOLUME     496587.088  3767616.874      839.950
     LOCATION VOL57        VOLUME     496564.194  3767616.868      838.670
     LOCATION VOL58        VOLUME     496541.267  3767616.879      837.440
     LOCATION VOL59        VOLUME     496518.372  3767616.872      835.420
     LOCATION VOL60        VOLUME     496495.459  3767616.894      833.700
     LOCATION VOL62        VOLUME     496793.200  3767640.023      847.890
     LOCATION VOL63        VOLUME     496770.286  3767640.045      846.980
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     LOCATION VOL66        VOLUME     496701.571  3767640.043      844.380
     LOCATION VOL67        VOLUME     496678.657  3767640.064      843.610
     LOCATION VOL68        VOLUME     496632.788  3767640.059      842.080
     LOCATION VOL69        VOLUME     496655.763  3767640.057      842.850
     LOCATION VOL70        VOLUME     496609.894  3767640.052      841.640
     LOCATION VOL71        VOLUME     496586.980  3767640.073      840.580
     LOCATION VOL72        VOLUME     496564.086  3767640.066      839.160
     LOCATION VOL73        VOLUME     496541.159  3767640.078      838.040
     LOCATION VOL74        VOLUME     496518.265  3767640.071      836.140
     LOCATION VOL77        VOLUME     496793.092  3767663.330      848.430
     LOCATION VOL78        VOLUME     496770.178  3767663.351      847.410
     LOCATION VOL79        VOLUME     496747.284  3767663.344      846.140
     LOCATION VOL80        VOLUME     496724.357  3767663.356      845.380
     LOCATION VOL81        VOLUME     496701.463  3767663.349      844.460
     LOCATION VOL82        VOLUME     496678.549  3767663.371      843.610
     LOCATION VOL83        VOLUME     496632.680  3767663.365      842.080
     LOCATION VOL84        VOLUME     496655.655  3767663.364      842.850
     LOCATION VOL85        VOLUME     496609.786  3767663.359      842.000
     LOCATION VOL86        VOLUME     496586.872  3767663.380      841.110
     LOCATION VOL87        VOLUME     496563.978  3767663.373      839.580
     LOCATION VOL88        VOLUME     496541.051  3767663.385      838.050
     LOCATION VOL89        VOLUME     496518.157  3767663.378      836.700
     LOCATION VOL92        VOLUME     496793.092  3767686.421      848.430
     LOCATION VOL93        VOLUME     496770.178  3767686.442      847.660
     LOCATION VOL94        VOLUME     496747.284  3767686.435      846.900
     LOCATION VOL95        VOLUME     496724.357  3767686.447      846.140
     LOCATION VOL96        VOLUME     496701.463  3767686.440      844.750
     LOCATION VOL97        VOLUME     496678.549  3767686.461      843.610
     LOCATION VOL98        VOLUME     496632.680  3767686.456      842.080
     LOCATION VOL99        VOLUME     496655.655  3767686.455      842.850
     LOCATION VOL100       VOLUME     496609.786  3767686.450      841.990
     LOCATION VOL101       VOLUME     496586.872  3767686.471      841.100
     LOCATION VOL102       VOLUME     496563.978  3767686.464      839.580
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    LOCATION VOL103       VOLUME     496541.051  3767686.476      838.060
    LOCATION VOL107       VOLUME     496793.092  3767709.512      848.430
    LOCATION VOL108       VOLUME     496770.178  3767709.533      847.660
    LOCATION VOL109       VOLUME     496747.284  3767709.526      846.900
    LOCATION VOL110       VOLUME     496724.357  3767709.538      846.140
    LOCATION VOL111       VOLUME     496701.463  3767709.531      844.750
    LOCATION VOL112       VOLUME     496678.549  3767709.552      843.610
    LOCATION VOL113       VOLUME     496632.680  3767709.547      842.080
    LOCATION VOL114       VOLUME     496655.655  3767709.546      842.850
    LOCATION VOL115       VOLUME     496609.786  3767709.540      841.470
    LOCATION VOL116       VOLUME     496586.872  3767709.562      840.670
    LOCATION VOL117       VOLUME     496563.978  3767709.555      839.740
    LOCATION VOL122       VOLUME     496792.876  3767732.711      848.650
    LOCATION VOL123       VOLUME     496769.962  3767732.732      847.660
    LOCATION VOL124       VOLUME     496747.068  3767732.725      846.890
    LOCATION VOL125       VOLUME     496724.141  3767732.737      846.130
    LOCATION VOL126       VOLUME     496701.247  3767732.730      844.730
    LOCATION VOL127       VOLUME     496678.333  3767732.751      843.380
    LOCATION VOL128       VOLUME     496632.464  3767732.746      841.520
    LOCATION VOL129       VOLUME     496655.439  3767732.744      842.290
    LOCATION VOL130       VOLUME     496609.570  3767732.739      840.760
    LOCATION VOL137       VOLUME     496792.768  3767755.909      849.020
    LOCATION VOL138       VOLUME     496769.854  3767755.931      847.980
    LOCATION VOL139       VOLUME     496746.960  3767755.924      847.180
    LOCATION VOL140       VOLUME     496724.033  3767755.935      846.170
    LOCATION VOL141       VOLUME     496701.139  3767755.929      844.520
    LOCATION VOL142       VOLUME     496678.225  3767755.950      843.000
    LOCATION VOL144       VOLUME     496655.331  3767755.943      841.840
    LOCATION VOL152       VOLUME     496792.598  3767779.016      849.410
    LOCATION VOL153       VOLUME     496769.685  3767779.038      848.650
    LOCATION VOL154       VOLUME     496746.790  3767779.031      847.780
    LOCATION VOL155       VOLUME     496723.863  3767779.042      846.320
    LOCATION VOL156       VOLUME     496700.969  3767779.036      844.230
    LOCATION VOL157       VOLUME     496678.056  3767779.057      842.790
    LOCATION VOL158       VOLUME     496792.382  3767802.215      849.400
    LOCATION VOL159       VOLUME     496769.469  3767802.236      848.640
    LOCATION VOL160       VOLUME     496746.575  3767802.230      847.860
    LOCATION VOL161       VOLUME     496723.648  3767802.241      847.000
    LOCATION VOL164       VOLUME     496792.382  3767825.198      850.040
    LOCATION VOL165       VOLUME     496769.469  3767825.219      849.280
    LOCATION PAREA1       AREAPOLY   496461.488  3767535.794      829.360
** Source Parameters **
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    SRCPARAM VOL2         0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL3         0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL4         0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL5         0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL6         0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL7         0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL8         0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL9         0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL10        0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL11        0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL13        0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL14        0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL15        0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL16        0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL17        0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL18        0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL19        0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL20        0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL21        0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL22        0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL23        0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL24        0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL25        0.0002057259     5.000     5.309     1.400
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200      SRCPARAM VOL27        0.0002057259     5.000     5.309     1.400
201      SRCPARAM VOL28        0.0002057259     5.000     5.309     1.400
202      SRCPARAM VOL29        0.0002057259     5.000     5.309     1.400
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204      SRCPARAM VOL31        0.0002057259     5.000     5.309     1.400
205      SRCPARAM VOL32        0.0002057259     5.000     5.309     1.400
206      SRCPARAM VOL33        0.0002057259     5.000     5.309     1.400
207      SRCPARAM VOL34        0.0002057259     5.000     5.309     1.400
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209      SRCPARAM VOL36        0.0002057259     5.000     5.309     1.400
210      SRCPARAM VOL37        0.0002057259     5.000     5.309     1.400
211      SRCPARAM VOL38        0.0002057259     5.000     5.309     1.400
212      SRCPARAM VOL39        0.0002057259     5.000     5.309     1.400
213      SRCPARAM VOL40        0.0002057259     5.000     5.309     1.400
214      SRCPARAM VOL41        0.0002057259     5.000     5.309     1.400
215      SRCPARAM VOL42        0.0002057259     5.000     5.309     1.400
216      SRCPARAM VOL43        0.0002057259     5.000     5.309     1.400
217      SRCPARAM VOL44        0.0002057259     5.000     5.309     1.400
218      SRCPARAM VOL45        0.0002057259     5.000     5.309     1.400
219      SRCPARAM VOL46        0.0002057259     5.000     5.309     1.400
220      SRCPARAM VOL47        0.0002057259     5.000     5.309     1.400
221      SRCPARAM VOL48        0.0002057259     5.000     5.309     1.400
222      SRCPARAM VOL49        0.0002057259     5.000     5.309     1.400
223      SRCPARAM VOL50        0.0002057259     5.000     5.309     1.400
224      SRCPARAM VOL51        0.0002057259     5.000     5.309     1.400
225      SRCPARAM VOL52        0.0002057259     5.000     5.309     1.400
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227      SRCPARAM VOL54        0.0002057259     5.000     5.309     1.400
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231      SRCPARAM VOL58        0.0002057259     5.000     5.309     1.400
232      SRCPARAM VOL59        0.0002057259     5.000     5.309     1.400
233      SRCPARAM VOL60        0.0002057259     5.000     5.309     1.400
234      SRCPARAM VOL62        0.0002057259     5.000     5.309     1.400
235      SRCPARAM VOL63        0.0002057259     5.000     5.309     1.400
236      SRCPARAM VOL64        0.0002057259     5.000     5.309     1.400
237      SRCPARAM VOL65        0.0002057259     5.000     5.309     1.400
238      SRCPARAM VOL66        0.0002057259     5.000     5.309     1.400
239      SRCPARAM VOL67        0.0002057259     5.000     5.309     1.400
240      SRCPARAM VOL68        0.0002057259     5.000     5.309     1.400
241      SRCPARAM VOL69        0.0002057259     5.000     5.309     1.400
242      SRCPARAM VOL70        0.0002057259     5.000     5.309     1.400
243      SRCPARAM VOL71        0.0002057259     5.000     5.309     1.400
244      SRCPARAM VOL72        0.0002057259     5.000     5.309     1.400
245      SRCPARAM VOL73        0.0002057259     5.000     5.309     1.400
246      SRCPARAM VOL74        0.0002057259     5.000     5.309     1.400
247      SRCPARAM VOL77        0.0002057259     5.000     5.309     1.400
248      SRCPARAM VOL78        0.0002057259     5.000     5.309     1.400
249      SRCPARAM VOL79        0.0002057259     5.000     5.309     1.400
250      SRCPARAM VOL80        0.0002057259     5.000     5.309     1.400
251      SRCPARAM VOL81        0.0002057259     5.000     5.309     1.400
252      SRCPARAM VOL82        0.0002057259     5.000     5.309     1.400
253      SRCPARAM VOL83        0.0002057259     5.000     5.309     1.400
254      SRCPARAM VOL84        0.0002057259     5.000     5.309     1.400
255      SRCPARAM VOL85        0.0002057259     5.000     5.309     1.400
256      SRCPARAM VOL86        0.0002057259     5.000     5.309     1.400
257      SRCPARAM VOL87        0.0002057259     5.000     5.309     1.400
258      SRCPARAM VOL88        0.0002057259     5.000     5.309     1.400
259      SRCPARAM VOL89        0.0002057259     5.000     5.309     1.400
260      SRCPARAM VOL92        0.0002057259     5.000     5.309     1.400
261      SRCPARAM VOL93        0.0002057259     5.000     5.309     1.400
262      SRCPARAM VOL94        0.0002057259     5.000     5.309     1.400
263      SRCPARAM VOL95        0.0002057259     5.000     5.309     1.400
264      SRCPARAM VOL96        0.0002057259     5.000     5.309     1.400
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    SRCPARAM VOL97        0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL98        0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL99        0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL100       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL101       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL102       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL103       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL107       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL108       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL109       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL110       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL111       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL112       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL113       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL114       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL115       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL116       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL117       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL122       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL123       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL124       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL125       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL126       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL127       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL128       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL129       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL130       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL137       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL138       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL139       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL140       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL141       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL142       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL144       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL152       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL153       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL154       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL155       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL156       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL157       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL158       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL159       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL160       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL161       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL164       0.0002057259     5.000     5.309     1.400
    SRCPARAM VOL165       0.0002057259     5.000     5.309     1.400
    SRCPARAM PAREA1       5.8863E-07     0.000        22     1.000
    AREAVERT PAREA1       496461.488 3767535.794 496461.134 3767604.780
    AREAVERT PAREA1       496484.129 3767605.134 496483.776 3767628.837
    AREAVERT PAREA1       496506.771 3767629.191 496506.771 3767674.828
    AREAVERT PAREA1       496529.766 3767674.474 496529.766 3767697.823
    AREAVERT PAREA1       496552.762 3767698.177 496552.408 3767721.172
    AREAVERT PAREA1       496598.045 3767720.465 496598.399 3767744.168
    AREAVERT PAREA1       496644.036 3767744.168 496643.682 3767766.809
    AREAVERT PAREA1       496666.677 3767767.517 496666.677 3767790.512
    AREAVERT PAREA1       496711.607 3767790.512 496712.314 3767813.154
    AREAVERT PAREA1       496757.951 3767813.507 496757.951 3767836.149
    AREAVERT PAREA1       496803.942 3767836.503 496804.296 3767536.502
    URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
    EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT VOL1         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT VOL1         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL2         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL3         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL4         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL5         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Sunday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL6         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL7         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL8         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL9         HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL10        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL11        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL13        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL14        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL15        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL16        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL17        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL18        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL19        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL20        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL21        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL22        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL23        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL24        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL25        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL26        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL27        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL28        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Sunday:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL29        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL30        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL31        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL32        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL33        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL34        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL35        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL36        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL37        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL38        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL39        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL40        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL41        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL42        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL43        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL44        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL45        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL46        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL47        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL48        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL49        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL50        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Sunday:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL51        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL52        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL53        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL54        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL55        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL56        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL57        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL58        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL59        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL60        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL62        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL63        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL64        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL65        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL66        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL67        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL68        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL69        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL70        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL71        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL72        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL73        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Sunday:
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL74        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL77        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL78        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL79        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL80        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL81        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL82        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL83        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL84        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL85        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL86        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL87        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL88        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL89        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL92        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL93        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL94        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL95        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL96        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL97        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL98        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL99        HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Sunday:
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL100       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL101       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL102       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL103       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL107       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL108       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL109       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL110       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL111       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL112       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL113       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL114       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL115       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL116       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL117       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL122       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL123       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL124       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL125       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL126       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL127       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL128       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Sunday:
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL129       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL130       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL137       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL138       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL139       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL140       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL141       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL142       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL144       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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     EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** Sunday:
     EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** WeekDays:
     EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL152       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
     EMISFACT VOL152       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
     EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** Saturday:
     EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** Sunday:
     EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** WeekDays:
     EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL153       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
     EMISFACT VOL153       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
     EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** Saturday:
     EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** Sunday:
     EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** WeekDays:
     EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL154       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
     EMISFACT VOL154       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
     EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** Saturday:
     EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** Sunday:
     EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** WeekDays:
     EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL155       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
     EMISFACT VOL155       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
     EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** Saturday:
     EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  ** Sunday:
     EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
     EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL156       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL157       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL158       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL159       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL160       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL161       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL164       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT VOL165       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA1       HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
** Sunday:
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "15809 Const PM25.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE ..\RDLD_V9_ADJU\RDLD_v9.SFC
   PROFFILE ..\RDLD_V9_ADJU\RDLD_v9.PFL
   SURFDATA 3171 2012
   UAIRDATA 3190 2012
   SITEDATA 99999 2012
   PROFBASE 481.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 24 ALL 1ST "15809 CONST PM25.AD\24H1GALL.PLT" 31
   SUMMFILE "15809 Const PM25.sum"
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W186    2406       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold
 used           0.50
 ME W187    2406       MEOPEN: ADJ_U* Option for Stable Low Winds used in
 AERMET

 *********************************
 *** SETUP Finishes Successfully ***
```

```
 ***********************************

FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***
 13:55:01

                              PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                                          ***     MODEL SETUP OPTIONS SUMMARY       ***
 - - -
```

2500 **Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 481.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0

2501 Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.10000E+07

2502 Output Units = MICROGRAMS/M**3

2503

2504 **Approximate Storage Requirements of Model = 3.7 MB of RAM.

2505

2506 **Input Runstream File:
aermod.inp

2507 **Output Print File:
aermod.out

2508

2509 **Detailed Error/Message File: 15809 Const PM25.err

2510 **File for Summary of Results: 15809 Const PM25.sum

2511 FF *** AERMOD - VERSION 23132 *** *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Ops CO\15809 Ops CO. *** 08/28/24

2512 *** AERMET - VERSION 16216 ***
*** ***
13:55:01

2513

PAGE 2

2514 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

2515

2516

2517 *** VOLUME SOURCE DATA ***

2518

2519 NUMBER EMISSION RATE BASE RELEASE INIT.
INIT. URBAN EMISSION RATE AIRCRAFT

2520 SOURCE PART. (GRAMS/SEC) X Y ELEV. HEIGHT SY
SZ SOURCE SCALAR VARY

2521 ID CATS. (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS) BY

2522 - - -

```
2537    VOL15            0   0.20573E-03  496678.8 3767547.3   840.7     5.00     5.31
        1.40     YES   HRDOW            NO
2538    VOL16            0   0.20573E-03  496655.9 3767547.3   840.6     5.00     5.31
        1.40     YES   HRDOW            NO
2539    VOL17            0   0.20573E-03  496793.3 3767570.5   846.5     5.00     5.31
        1.40     YES   HRDOW            NO
2540    VOL18            0   0.20573E-03  496770.4 3767570.5   845.1     5.00     5.31
        1.40     YES   HRDOW            NO
2541    VOL19            0   0.20573E-03  496747.5 3767570.5   843.3     5.00     5.31
        1.40     YES   HRDOW            NO
2542    VOL20            0   0.20573E-03  496724.6 3767570.5   843.2     5.00     5.31
        1.40     YES   HRDOW            NO
2543    VOL21            0   0.20573E-03  496701.7 3767570.5   842.5     5.00     5.31
        1.40     YES   HRDOW            NO
2544    VOL22            0   0.20573E-03  496678.8 3767570.5   842.1     5.00     5.31
        1.40     YES   HRDOW            NO
2545    VOL23            0   0.20573E-03  496632.9 3767570.5   841.2     5.00     5.31
        1.40     YES   HRDOW            NO
2546    VOL24            0   0.20573E-03  496655.9 3767570.5   841.9     5.00     5.31
        1.40     YES   HRDOW            NO
2547    VOL25            0   0.20573E-03  496610.0 3767570.5   839.8     5.00     5.31
        1.40     YES   HRDOW            NO
2548    VOL26            0   0.20573E-03  496587.1 3767570.6   838.3     5.00     5.31
        1.40     YES   HRDOW            NO
2549    VOL27            0   0.20573E-03  496564.2 3767570.6   836.9     5.00     5.31
        1.40     YES   HRDOW            NO
2550    VOL28            0   0.20573E-03  496541.3 3767570.6   835.2     5.00     5.31
        1.40     YES   HRDOW            NO
2551    VOL29            0   0.20573E-03  496518.4 3767570.6   833.7     5.00     5.31
        1.40     YES   HRDOW            NO
2552    VOL30            0   0.20573E-03  496495.5 3767570.6   832.2     5.00     5.31
        1.40     YES   HRDOW            NO
2553    VOL31            0   0.20573E-03  496472.6 3767570.6   830.8     5.00     5.31
        1.40     YES   HRDOW            NO
2554    VOL32            0   0.20573E-03  496793.2 3767593.6   846.8     5.00     5.31
        1.40     YES   HRDOW            NO
2555    VOL33            0   0.20573E-03  496770.3 3767593.6   845.6     5.00     5.31
        1.40     YES   HRDOW            NO
2556    VOL34            0   0.20573E-03  496747.4 3767593.6   844.8     5.00     5.31
        1.40     YES   HRDOW            NO
2557    VOL35            0   0.20573E-03  496724.5 3767593.7   844.0     5.00     5.31
        1.40     YES   HRDOW            NO
2558    VOL36            0   0.20573E-03  496701.6 3767593.6   843.3     5.00     5.31
        1.40     YES   HRDOW            NO
2559    VOL37            0   0.20573E-03  496678.7 3767593.7   842.6     5.00     5.31
        1.40     YES   HRDOW            NO
2560    VOL38            0   0.20573E-03  496632.8 3767593.7   841.9     5.00     5.31
        1.40     YES   HRDOW            NO
2561    VOL39            0   0.20573E-03  496655.8 3767593.7   842.0     5.00     5.31
        1.40     YES   HRDOW            NO
2562    VOL40            0   0.20573E-03  496609.9 3767593.7   840.6     5.00     5.31
        1.40     YES   HRDOW            NO
2563    VOL41            0   0.20573E-03  496587.0 3767593.7   839.4     5.00     5.31
        1.40     YES   HRDOW            NO
2564    FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
        Ops CO\15809 Ops CO. ***        08/28/24
2565     *** AERMET - VERSION  16216 ***
         ***                                                                    ***
         13:55:01
2566
                                    PAGE   3
2567     *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
2568
2569
2570                                                  *** VOLUME SOURCE DATA ***
2571
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SOURCE ID	NUMBER INIT. PART. CATS.	EMISSION RATE (GRAMS/SEC)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	X (METERS)	Y (METERS)	AIRCRAFT ELEV. (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	SZ (METERS)
VOL42	0	0.20573E-03	YES	HRDOW	496564.1	3767593.7	838.2	5.00	5.31	1.40	NO
VOL43	0	0.20573E-03	YES	HRDOW	496541.2	3767593.7	836.0	5.00	5.31	1.40	NO
VOL44	0	0.20573E-03	YES	HRDOW	496518.3	3767593.7	834.4	5.00	5.31	1.40	NO
VOL45	0	0.20573E-03	YES	HRDOW	496495.4	3767593.7	832.9	5.00	5.31	1.40	NO
VOL46	0	0.20573E-03	YES	HRDOW	496472.5	3767593.7	831.4	5.00	5.31	1.40	NO
VOL47	0	0.20573E-03	YES	HRDOW	496793.3	3767616.8	847.3	5.00	5.31	1.40	NO
VOL48	0	0.20573E-03	YES	HRDOW	496770.4	3767616.8	846.4	5.00	5.31	1.40	NO
VOL49	0	0.20573E-03	YES	HRDOW	496747.5	3767616.8	845.6	5.00	5.31	1.40	NO
VOL50	0	0.20573E-03	YES	HRDOW	496724.6	3767616.9	844.8	5.00	5.31	1.40	NO
VOL51	0	0.20573E-03	YES	HRDOW	496701.7	3767616.8	844.1	5.00	5.31	1.40	NO
VOL52	0	0.20573E-03	YES	HRDOW	496678.8	3767616.9	843.3	5.00	5.31	1.40	NO
VOL53	0	0.20573E-03	YES	HRDOW	496632.9	3767616.9	842.1	5.00	5.31	1.40	NO
VOL54	0	0.20573E-03	YES	HRDOW	496655.9	3767616.9	842.6	5.00	5.31	1.40	NO
VOL55	0	0.20573E-03	YES	HRDOW	496610.0	3767616.9	841.1	5.00	5.31	1.40	NO
VOL56	0	0.20573E-03	YES	HRDOW	496587.1	3767616.9	839.9	5.00	5.31	1.40	NO
VOL57	0	0.20573E-03	YES	HRDOW	496564.2	3767616.9	838.7	5.00	5.31	1.40	NO
VOL58	0	0.20573E-03	YES	HRDOW	496541.3	3767616.9	837.4	5.00	5.31	1.40	NO
VOL59	0	0.20573E-03	YES	HRDOW	496518.4	3767616.9	835.4	5.00	5.31	1.40	NO
VOL60	0	0.20573E-03	YES	HRDOW	496495.5	3767616.9	833.7	5.00	5.31	1.40	NO
VOL62	0	0.20573E-03	YES	HRDOW	496793.2	3767640.0	847.9	5.00	5.31	1.40	NO
VOL63	0	0.20573E-03	YES	HRDOW	496770.3	3767640.0	847.0	5.00	5.31	1.40	NO
VOL64	0	0.20573E-03	YES	HRDOW	496747.4	3767640.0	845.9	5.00	5.31	1.40	NO
VOL65	0	0.20573E-03	YES	HRDOW	496724.5	3767640.0	845.1	5.00	5.31	1.40	NO
VOL66	0	0.20573E-03	YES	HRDOW	496701.6	3767640.0	844.4	5.00	5.31	1.40	NO
VOL67	0	0.20573E-03	YES	HRDOW	496678.7	3767640.1	843.6	5.00	5.31	1.40	NO
VOL68	0	0.20573E-03	YES	HRDOW	496632.8	3767640.1	842.1	5.00	5.31	1.40	NO
VOL69	0	0.20573E-03	YES	HRDOW	496655.8	3767640.1	842.8	5.00	5.31	1.40	NO
VOL70	0	0.20573E-03	YES	HRDOW	496609.9	3767640.1	841.6	5.00	5.31	1.40	NO
VOL71	0	0.20573E-03	YES	HRDOW	496587.0	3767640.1	840.6	5.00	5.31	1.40	NO

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      1.40     YES   HRDOW            NO
2606  VOL72            0   0.20573E-03  496564.1 3767640.1   839.2     5.00     5.31
      1.40     YES   HRDOW            NO
2607  VOL73            0   0.20573E-03  496541.2 3767640.1   838.0     5.00     5.31
      1.40     YES   HRDOW            NO
2608  VOL74            0   0.20573E-03  496518.3 3767640.1   836.1     5.00     5.31
      1.40     YES   HRDOW            NO
2609  VOL77            0   0.20573E-03  496793.1 3767663.3   848.4     5.00     5.31
      1.40     YES   HRDOW            NO
2610  VOL78            0   0.20573E-03  496770.2 3767663.4   847.4     5.00     5.31
      1.40     YES   HRDOW            NO
2611  VOL79            0   0.20573E-03  496747.3 3767663.3   846.1     5.00     5.31
      1.40     YES   HRDOW            NO
2612  VOL80            0   0.20573E-03  496724.4 3767663.4   845.4     5.00     5.31
      1.40     YES   HRDOW            NO
2613  VOL81            0   0.20573E-03  496701.5 3767663.3   844.5     5.00     5.31
      1.40     YES   HRDOW            NO
2614  VOL82            0   0.20573E-03  496678.5 3767663.4   843.6     5.00     5.31
      1.40     YES   HRDOW            NO
2615  VOL83            0   0.20573E-03  496632.7 3767663.4   842.1     5.00     5.31
      1.40     YES   HRDOW            NO
2616  VOL84            0   0.20573E-03  496655.7 3767663.4   842.8     5.00     5.31
      1.40     YES   HRDOW            NO
2617  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
2618   *** AERMET - VERSION  16216 ***
       ***                                                                    ***
       13:55:01
2619
                                    PAGE   4
2620   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
2621
2622
2623                                                  *** VOLUME SOURCE DATA ***
2624
2625                  NUMBER EMISSION RATE                      BASE    RELEASE    INIT.
                      INIT.   URBAN  EMISSION RATE   AIRCRAFT
2626        SOURCE     PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
            SZ     SOURCE  SCALAR VARY
2627          ID          CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
              (METERS)             BY
2628  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - -
2629
2630  VOL85            0   0.20573E-03  496609.8 3767663.4   842.0     5.00     5.31
      1.40     YES   HRDOW            NO
2631  VOL86            0   0.20573E-03  496586.9 3767663.4   841.1     5.00     5.31
      1.40     YES   HRDOW            NO
2632  VOL87            0   0.20573E-03  496564.0 3767663.4   839.6     5.00     5.31
      1.40     YES   HRDOW            NO
2633  VOL88            0   0.20573E-03  496541.1 3767663.4   838.0     5.00     5.31
      1.40     YES   HRDOW            NO
2634  VOL89            0   0.20573E-03  496518.2 3767663.4   836.7     5.00     5.31
      1.40     YES   HRDOW            NO
2635  VOL92            0   0.20573E-03  496793.1 3767686.4   848.4     5.00     5.31
      1.40     YES   HRDOW            NO
2636  VOL93            0   0.20573E-03  496770.2 3767686.4   847.7     5.00     5.31
      1.40     YES   HRDOW            NO
2637  VOL94            0   0.20573E-03  496747.3 3767686.4   846.9     5.00     5.31
      1.40     YES   HRDOW            NO
2638  VOL95            0   0.20573E-03  496724.4 3767686.4   846.1     5.00     5.31
      1.40     YES   HRDOW            NO
2639  VOL96            0   0.20573E-03  496701.5 3767686.4   844.8     5.00     5.31
      1.40     YES   HRDOW            NO
2640  VOL97            0   0.20573E-03  496678.5 3767686.5   843.6     5.00     5.31
      1.40     YES   HRDOW            NO
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2641   VOL98            0   0.20573E-03  496632.7 3767686.5   842.1     5.00     5.31
       1.40     YES   HRDOW            NO
2642   VOL99            0   0.20573E-03  496655.7 3767686.5   842.8     5.00     5.31
       1.40     YES   HRDOW            NO
2643   VOL100           0   0.20573E-03  496609.8 3767686.4   842.0     5.00     5.31
       1.40     YES   HRDOW            NO
2644   VOL101           0   0.20573E-03  496586.9 3767686.5   841.1     5.00     5.31
       1.40     YES   HRDOW            NO
2645   VOL102           0   0.20573E-03  496564.0 3767686.5   839.6     5.00     5.31
       1.40     YES   HRDOW            NO
2646   VOL103           0   0.20573E-03  496541.1 3767686.5   838.1     5.00     5.31
       1.40     YES   HRDOW            NO
2647   VOL107           0   0.20573E-03  496793.1 3767709.5   848.4     5.00     5.31
       1.40     YES   HRDOW            NO
2648   VOL108           0   0.20573E-03  496770.2 3767709.5   847.7     5.00     5.31
       1.40     YES   HRDOW            NO
2649   VOL109           0   0.20573E-03  496747.3 3767709.5   846.9     5.00     5.31
       1.40     YES   HRDOW            NO
2650   VOL110           0   0.20573E-03  496724.4 3767709.5   846.1     5.00     5.31
       1.40     YES   HRDOW            NO
2651   VOL111           0   0.20573E-03  496701.5 3767709.5   844.8     5.00     5.31
       1.40     YES   HRDOW            NO
2652   VOL112           0   0.20573E-03  496678.5 3767709.6   843.6     5.00     5.31
       1.40     YES   HRDOW            NO
2653   VOL113           0   0.20573E-03  496632.7 3767709.5   842.1     5.00     5.31
       1.40     YES   HRDOW            NO
2654   VOL114           0   0.20573E-03  496655.7 3767709.5   842.8     5.00     5.31
       1.40     YES   HRDOW            NO
2655   VOL115           0   0.20573E-03  496609.8 3767709.5   841.5     5.00     5.31
       1.40     YES   HRDOW            NO
2656   VOL116           0   0.20573E-03  496586.9 3767709.6   840.7     5.00     5.31
       1.40     YES   HRDOW            NO
2657   VOL117           0   0.20573E-03  496564.0 3767709.6   839.7     5.00     5.31
       1.40     YES   HRDOW            NO
2658   VOL122           0   0.20573E-03  496792.9 3767732.7   848.6     5.00     5.31
       1.40     YES   HRDOW            NO
2659   VOL123           0   0.20573E-03  496770.0 3767732.7   847.7     5.00     5.31
       1.40     YES   HRDOW            NO
2660   VOL124           0   0.20573E-03  496747.1 3767732.7   846.9     5.00     5.31
       1.40     YES   HRDOW            NO
2661   VOL125           0   0.20573E-03  496724.1 3767732.7   846.1     5.00     5.31
       1.40     YES   HRDOW            NO
2662   VOL126           0   0.20573E-03  496701.2 3767732.7   844.7     5.00     5.31
       1.40     YES   HRDOW            NO
2663   VOL127           0   0.20573E-03  496678.3 3767732.8   843.4     5.00     5.31
       1.40     YES   HRDOW            NO
2664   VOL128           0   0.20573E-03  496632.5 3767732.7   841.5     5.00     5.31
       1.40     YES   HRDOW            NO
2665   VOL129           0   0.20573E-03  496655.4 3767732.7   842.3     5.00     5.31
       1.40     YES   HRDOW            NO
2666   VOL130           0   0.20573E-03  496609.6 3767732.7   840.8     5.00     5.31
       1.40     YES   HRDOW            NO
2667   VOL137           0   0.20573E-03  496792.8 3767755.9   849.0     5.00     5.31
       1.40     YES   HRDOW            NO
2668   VOL138           0   0.20573E-03  496769.9 3767755.9   848.0     5.00     5.31
       1.40     YES   HRDOW            NO
2669   VOL139           0   0.20573E-03  496747.0 3767755.9   847.2     5.00     5.31
       1.40     YES   HRDOW            NO
2670   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
2671    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:55:01
2672
                                    PAGE   5
2673    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
```

2674
2675
2676 *** VOLUME SOURCE DATA ***
2677
2678 NUMBER EMISSION RATE BASE RELEASE INIT.
INIT. URBAN EMISSION RATE AIRCRAFT
2679 SOURCE PART. (GRAMS/SEC) X Y ELEV. HEIGHT SY
SZ SOURCE SCALAR VARY
2680 ID CATS. (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS) BY
2681 - - -

```
 PAREA1           0   0.58863E-06  496461.5 3767535.8   829.4     0.00      22
 1.00     YES   HRDOW            NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***
 13:55:01

                              PAGE   7
*** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*


                                        *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                          SOURCE IDs
 -----------                                          ----------


  ALL        VOL1       , VOL2       , VOL3       , VOL4       , VOL5       ,
  VOL6        , VOL7        , VOL8        ,

             VOL9       , VOL10      , VOL11      , VOL13      , VOL14      ,
             VOL15      , VOL16      , VOL17      ,

             VOL18      , VOL19      , VOL20      , VOL21      , VOL22      ,
             VOL23      , VOL24      , VOL25      ,

             VOL26      , VOL27      , VOL28      , VOL29      , VOL30      ,
             VOL31      , VOL32      , VOL33      ,

             VOL34      , VOL35      , VOL36      , VOL37      , VOL38      ,
             VOL39      , VOL40      , VOL41      ,

             VOL42      , VOL43      , VOL44      , VOL45      , VOL46      ,
             VOL47      , VOL48      , VOL49      ,

             VOL50      , VOL51      , VOL52      , VOL53      , VOL54      ,
             VOL55      , VOL56      , VOL57      ,

             VOL58      , VOL59      , VOL60      , VOL62      , VOL63      ,
             VOL64      , VOL65      , VOL66      ,

             VOL67      , VOL68      , VOL69      , VOL70      , VOL71      ,
             VOL72      , VOL73      , VOL74      ,

             VOL77      , VOL78      , VOL79      , VOL80      , VOL81      ,
             VOL82      , VOL83      , VOL84      ,

             VOL85      , VOL86      , VOL87      , VOL88      , VOL89      ,
             VOL92      , VOL93      , VOL94      ,

             VOL95      , VOL96      , VOL97      , VOL98      , VOL99      ,
             VOL100     , VOL101     , VOL102     ,

             VOL103     , VOL107     , VOL108     , VOL109     , VOL110     ,
             VOL111     , VOL112     , VOL113     ,

             VOL114     , VOL115     , VOL116     , VOL117     , VOL122     ,
             VOL123     , VOL124     , VOL125     ,

             VOL126     , VOL127     , VOL128     , VOL129     , VOL130     ,
             VOL137     , VOL138     , VOL139     ,

             VOL140     , VOL141     , VOL142     , VOL144     , VOL152     ,
             VOL153     , VOL154     , VOL155     ,
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2757              VOL156      , VOL157      , VOL158      , VOL159      , VOL160      ,
                  VOL161      , VOL164      , VOL165      ,
2758
2759              PAREA1      ,
2760   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
2761    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:55:01
2762
                                  PAGE   8
2763    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
2764
2765
2766                                          *** SOURCE IDs DEFINED AS URBAN SOURCES ***
2767
2768     URBAN ID   URBAN POP                                  SOURCE IDs
2769     --------   ---------                                  ----------
2770
2771
2772                 2035210.   VOL1        , VOL2        , VOL3        , VOL4        ,
                     VOL5        , VOL6        , VOL7        ,
2773    VOL8        ,
2774
2775                VOL9        , VOL10       , VOL11       , VOL13       , VOL14       ,
                    VOL15       , VOL16       , VOL17       ,
2776
2777                VOL18       , VOL19       , VOL20       , VOL21       , VOL22       ,
                    VOL23       , VOL24       , VOL25       ,
2778
2779                VOL26       , VOL27       , VOL28       , VOL29       , VOL30       ,
                    VOL31       , VOL32       , VOL33       ,
2780
2781                VOL34       , VOL35       , VOL36       , VOL37       , VOL38       ,
                    VOL39       , VOL40       , VOL41       ,
2782
2783                VOL42       , VOL43       , VOL44       , VOL45       , VOL46       ,
                    VOL47       , VOL48       , VOL49       ,
2784
2785                VOL50       , VOL51       , VOL52       , VOL53       , VOL54       ,
                    VOL55       , VOL56       , VOL57       ,
2786
2787                VOL58       , VOL59       , VOL60       , VOL62       , VOL63       ,
                    VOL64       , VOL65       , VOL66       ,
2788
2789                VOL67       , VOL68       , VOL69       , VOL70       , VOL71       ,
                    VOL72       , VOL73       , VOL74       ,
2790
2791                VOL77       , VOL78       , VOL79       , VOL80       , VOL81       ,
                    VOL82       , VOL83       , VOL84       ,
2792
2793                VOL85       , VOL86       , VOL87       , VOL88       , VOL89       ,
                    VOL92       , VOL93       , VOL94       ,
2794
2795                VOL95       , VOL96       , VOL97       , VOL98       , VOL99       ,
                    VOL100      , VOL101      , VOL102      ,
2796
2797                VOL103      , VOL107      , VOL108      , VOL109      , VOL110      ,
                    VOL111      , VOL112      , VOL113      ,
2798
2799                VOL114      , VOL115      , VOL116      , VOL117      , VOL122      ,
                    VOL123      , VOL124      , VOL125      ,
2800
2801                VOL126      , VOL127      , VOL128      , VOL129      , VOL130      ,
                    VOL137      , VOL138      , VOL139      ,
2802
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2803              VOL140      , VOL141      , VOL142      , VOL144      , VOL152      ,
                  VOL153      , VOL154      , VOL155      ,
2804
2805              VOL156      , VOL157      , VOL158      , VOL159      , VOL160      ,
                  VOL161      , VOL164      , VOL165      ,
2806
2807              PAREA1      ,
2808  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
2809   *** AERMET - VERSION  16216 ***
       ***                                                                    ***
       13:55:01
2810
                                  PAGE   9
2811   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
2812
2813                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
2814
2815   SOURCE ID = VOL1         ; SOURCE TYPE = VOLUME   :
2816    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
2817   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
2818                                                DAY OF WEEK = WEEKDAY
2819      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .1000E+01
2820      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .0000E+00
2821     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
         .0000E+00   23  .0000E+00   24  .0000E+00
2822                                                DAY OF WEEK = SATURDAY
2823      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
2824      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
2825     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
         .0000E+00   23  .0000E+00   24  .0000E+00
2826                                                DAY OF WEEK = SUNDAY
2827      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
2828      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
2829     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
         .0000E+00   23  .0000E+00   24  .0000E+00
2830  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
2831   *** AERMET - VERSION  16216 ***
       ***                                                                    ***
       13:55:01
2832
                                  PAGE  10
2833   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
2834
2835                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
2836
2837   SOURCE ID = VOL2         ; SOURCE TYPE = VOLUME   :
2838    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
2839   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
2840                                                DAY OF WEEK = WEEKDAY
2841      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .1000E+01
2842      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
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      .1000E+01   15  .1000E+01   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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                              PAGE  11
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL3         ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:55:01

                              PAGE  12
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *
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2880
2881   SOURCE ID = VOL4         ; SOURCE TYPE = VOLUME   :
2882    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
2883   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
2884                                                DAY OF WEEK = WEEKDAY
2885      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .1000E+01
2886      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .0000E+00
2887     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
2888                                                DAY OF WEEK = SATURDAY
2889      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
2890      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
2891     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
2892                                                DAY OF WEEK = SUNDAY
2893      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
2894      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
2895     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
2896   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
2897    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:55:01
2898
                                  PAGE  13
2899    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
2900
2901                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
2902
2903    SOURCE ID = VOL5         ; SOURCE TYPE = VOLUME   :
2904     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
        SCALAR   HOUR   SCALAR   HOUR   SCALAR
2905   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
2906                                                DAY OF WEEK = WEEKDAY
2907      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .1000E+01
2908      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .0000E+00
2909     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
2910                                                DAY OF WEEK = SATURDAY
2911      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
2912      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
2913     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
2914                                                DAY OF WEEK = SUNDAY
2915      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
2916      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
2917     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
2918   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL6 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL7 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00

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      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
       .0000E+00    7  .0000E+00    8  .0000E+00
       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
       .0000E+00   15  .0000E+00   16  .0000E+00
      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:55:01

                                PAGE  16
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL8         ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
       .0000E+00    7  .0000E+00    8  .1000E+01
       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
       .1000E+01   15  .1000E+01   16  .0000E+00
      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
       .0000E+00    7  .0000E+00    8  .0000E+00
       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
       .0000E+00   15  .0000E+00   16  .0000E+00
      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
       .0000E+00    7  .0000E+00    8  .0000E+00
       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
       .0000E+00   15  .0000E+00   16  .0000E+00
      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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                                PAGE  17
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL9         ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
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```
      .0000E+00    7  .0000E+00    8  .1000E+01
2996   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
2997  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
2998                                          DAY OF WEEK = SATURDAY
2999   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
3000   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
3001  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
3002                                          DAY OF WEEK = SUNDAY
3003   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
3004   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
3005  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
3006 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
3007  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:55:01
3008
                                PAGE  18
3009  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3010
3011                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
3012
3013  SOURCE ID = VOL10        ; SOURCE TYPE = VOLUME   :
3014   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
      SCALAR   HOUR   SCALAR   HOUR   SCALAR
3015  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
3016                                          DAY OF WEEK = WEEKDAY
3017     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
3018   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
3019  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
3020                                          DAY OF WEEK = SATURDAY
3021     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
3022   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
3023  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
3024                                          DAY OF WEEK = SUNDAY
3025     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
3026   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
3027  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
3028 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
3029  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:55:01
3030
                                PAGE  19
3031  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3032
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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                    WEEK (HRDOW) *

 SOURCE ID = VOL11        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:55:01

                              PAGE  20
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                    WEEK (HRDOW) *

 SOURCE ID = VOL13        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL14 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL15 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00

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3110       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3111      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3112                                              DAY OF WEEK = SUNDAY
3113       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3114       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3115      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3116   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
3117    *** AERMET - VERSION  16216 ***
        ***                                                                        ***
        13:55:01
3118
                                  PAGE  23
3119    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3120
3121                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
3122
3123    SOURCE ID = VOL16        ; SOURCE TYPE = VOLUME   :
3124     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
3125   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - - - -
3126                                              DAY OF WEEK = WEEKDAY
3127       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
3128       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
3129      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3130                                              DAY OF WEEK = SATURDAY
3131       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3132       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3133      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3134                                              DAY OF WEEK = SUNDAY
3135       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3136       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3137      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3138   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
3139    *** AERMET - VERSION  16216 ***
        ***                                                                        ***
        13:55:01
3140
                                  PAGE  24
3141    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3142
3143                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
3144
3145    SOURCE ID = VOL17        ; SOURCE TYPE = VOLUME   :
3146     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
3147   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - - - -
```

3148 DAY OF WEEK = WEEKDAY
3149 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
3150 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .0000E+00
3151 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
3152 DAY OF WEEK = SATURDAY
3153 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
3154 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
3155 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
3156 DAY OF WEEK = SUNDAY
3157 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
3158 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
3159 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
3160 FF *** AERMOD - VERSION 23132 *** *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Ops CO\15809 Ops CO. *** 08/28/24
3161 *** AERMET - VERSION 16216 ***
*** ***
13:55:01
3162
PAGE 25
3163 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*
3164
3165 * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *
3166
3167 SOURCE ID = VOL18 ; SOURCE TYPE = VOLUME :
3168 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
3169 - - -

```
*** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                  WEEK (HRDOW) *

SOURCE ID = VOL19        ; SOURCE TYPE = VOLUME   :
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
 SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:55:01

                              PAGE  27
*** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                  WEEK (HRDOW) *

SOURCE ID = VOL20        ; SOURCE TYPE = VOLUME   :
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
 SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
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3230
3231 * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *
3232
3233 SOURCE ID = VOL21 ; SOURCE TYPE = VOLUME :
3234 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
3235 - - -

```
3263       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3264       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3265      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3266                                                DAY OF WEEK = SUNDAY
3267       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3268       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3269      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3270 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
     Ops CO\15809 Ops CO. ***        08/28/24
3271  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:55:01
3272
                                  PAGE  30
3273  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3274
3275                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
3276
3277  SOURCE ID = VOL23        ; SOURCE TYPE = VOLUME   :
3278   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
      SCALAR   HOUR   SCALAR   HOUR   SCALAR
3279  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
3280                                                DAY OF WEEK = WEEKDAY
3281       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
3282       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
3283      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3284                                                DAY OF WEEK = SATURDAY
3285       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3286       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3287      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3288                                                DAY OF WEEK = SUNDAY
3289       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3290       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3291      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3292 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
     Ops CO\15809 Ops CO. ***        08/28/24
3293  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:55:01
3294
                                  PAGE  31
3295  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3296
3297                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
3298
3299  SOURCE ID = VOL24        ; SOURCE TYPE = VOLUME   :
3300   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
      SCALAR   HOUR   SCALAR   HOUR   SCALAR
```

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3301    - - -
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3338
                                PAGE  33
3339    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3340
3341                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
3342
3343    SOURCE ID = VOL26        ; SOURCE TYPE = VOLUME   :
3344     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
3345    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - - -
3346                                                DAY OF WEEK = WEEKDAY
3347       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
3348       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
3349      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3350                                                DAY OF WEEK = SATURDAY
3351       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3352       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3353      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3354                                                DAY OF WEEK = SUNDAY
3355       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3356       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3357      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3358    FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
        Ops CO\15809 Ops CO. ***        08/28/24
3359     *** AERMET - VERSION  16216 ***
         ***                                                                          ***
         13:55:01
3360
                                PAGE  34
3361    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3362
3363                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
3364
3365    SOURCE ID = VOL27        ; SOURCE TYPE = VOLUME   :
3366     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
3367    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - - -
3368                                                DAY OF WEEK = WEEKDAY
3369       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
3370       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
3371      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3372                                                DAY OF WEEK = SATURDAY
3373       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3374       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3375      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3376                                                DAY OF WEEK = SUNDAY
3377       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL28 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL29 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22					

```
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:55:01

                              PAGE  37
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL30        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:55:01

                              PAGE  38
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL31        ; SOURCE TYPE = VOLUME   :
```

```
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
 SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
  .1000E+01   15  .1000E+01   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:55:01

                            PAGE  39
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL32        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
  .1000E+01   15  .1000E+01   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL33 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL34 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

```
                                                    DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:55:01

                              PAGE  42
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL35        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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                              PAGE  43
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL36        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
```

```
      .1000E+01   15  .1000E+01   16  .0000E+00
3569    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
3570                                            DAY OF WEEK = SATURDAY
3571     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
3572     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
3573    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
3574                                            DAY OF WEEK = SUNDAY
3575     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
3576     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
3577    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
3578 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
    Ops CO\15809 Ops CO. ***        08/28/24
3579  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:55:01
3580
                                PAGE  44
3581  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3582
3583                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
3584
3585  SOURCE ID = VOL37        ; SOURCE TYPE = VOLUME   :
3586   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
      SCALAR   HOUR   SCALAR   HOUR   SCALAR
3587  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
    - - - - - - - - - - - - - - - - - - - -
3588                                            DAY OF WEEK = WEEKDAY
3589     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
3590     9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
3591    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
3592                                            DAY OF WEEK = SATURDAY
3593     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
3594     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
3595    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
3596                                            DAY OF WEEK = SUNDAY
3597     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
3598     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
3599    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
3600 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
    Ops CO\15809 Ops CO. ***        08/28/24
3601  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:55:01
3602
                                PAGE  45
3603  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3604
3605                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
```

```
3606
3607    SOURCE ID = VOL38        ; SOURCE TYPE = VOLUME   :
3608     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
3609    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - - -
3610                                                DAY OF WEEK = WEEKDAY
3611       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
3612       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
3613      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3614                                                DAY OF WEEK = SATURDAY
3615       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3616       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3617      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3618                                                DAY OF WEEK = SUNDAY
3619       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3620       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3621      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3622    FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
        Ops CO\15809 Ops CO. ***        08/28/24
3623     *** AERMET - VERSION  16216 ***
         ***                                                                    ***
         13:55:01
3624
                                  PAGE  46
3625     *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3626
3627                       * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
3628
3629    SOURCE ID = VOL39        ; SOURCE TYPE = VOLUME   :
3630     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
3631    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - - -
3632                                                DAY OF WEEK = WEEKDAY
3633       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
3634       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
3635      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3636                                                DAY OF WEEK = SATURDAY
3637       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3638       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3639      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3640                                                DAY OF WEEK = SUNDAY
3641       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3642       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3643      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3644    FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL40 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL41 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00

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3683      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3684                                                DAY OF WEEK = SUNDAY
3685       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
3686       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
3687      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3688  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
3689   *** AERMET - VERSION  16216 ***
       ***                                                                    ***
       13:55:01
3690
                                  PAGE  49
3691   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3692
3693                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
3694
3695   SOURCE ID = VOL42        ; SOURCE TYPE = VOLUME   :
3696    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
3697   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - - - -
3698                                                DAY OF WEEK = WEEKDAY
3699       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .1000E+01
3700       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .0000E+00
3701      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3702                                                DAY OF WEEK = SATURDAY
3703       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
3704       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
3705      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3706                                                DAY OF WEEK = SUNDAY
3707       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
3708       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
3709      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
3710  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
3711   *** AERMET - VERSION  16216 ***
       ***                                                                    ***
       13:55:01
3712
                                  PAGE  50
3713   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3714
3715                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
3716
3717   SOURCE ID = VOL43        ; SOURCE TYPE = VOLUME   :
3718    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
3719   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - - - -
3720                                                DAY OF WEEK = WEEKDAY
3721       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
```

```
      .0000E+00    7  .0000E+00    8  .1000E+01
     9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:55:01

                            PAGE  51
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL44        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
     9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:55:01

                            PAGE  52
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                    WEEK (HRDOW) *

 SOURCE ID = VOL45        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:55:01

                              PAGE  53
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                    WEEK (HRDOW) *

 SOURCE ID = VOL46        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL47 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL48 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00

```
3836       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3837      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3838                                              DAY OF WEEK = SUNDAY
3839       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3840       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3841      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3842  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
3843   *** AERMET - VERSION  16216 ***
       ***                                                                    ***
       13:55:01
3844
                                  PAGE  56
3845   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3846
3847                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                         WEEK (HRDOW) *
3848
3849   SOURCE ID = VOL49        ; SOURCE TYPE = VOLUME   :
3850    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
3851   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
3852                                              DAY OF WEEK = WEEKDAY
3853       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
3854       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
3855      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3856                                              DAY OF WEEK = SATURDAY
3857       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3858       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3859      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3860                                              DAY OF WEEK = SUNDAY
3861       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3862       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3863      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3864  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
3865   *** AERMET - VERSION  16216 ***
       ***                                                                    ***
       13:55:01
3866
                                  PAGE  57
3867   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3868
3869                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                         WEEK (HRDOW) *
3870
3871   SOURCE ID = VOL50        ; SOURCE TYPE = VOLUME   :
3872    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
3873   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
```

3874 DAY OF WEEK = WEEKDAY
3875 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
3876 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .0000E+00
3877 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
3878 DAY OF WEEK = SATURDAY
3879 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
3880 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
3881 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
3882 DAY OF WEEK = SUNDAY
3883 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
3884 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
3885 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
3886 FF *** AERMOD - VERSION 23132 *** *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Ops CO\15809 Ops CO. *** 08/28/24
3887 *** AERMET - VERSION 16216 *** *** *** 13:55:01
3888

3889 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*
3890
3891 * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *
3892
3893 SOURCE ID = VOL51 ; SOURCE TYPE = VOLUME :
3894 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
3895 - - -

```
   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                     WEEK (HRDOW) *

   SOURCE ID = VOL52        ; SOURCE TYPE = VOLUME   :
    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
    SCALAR   HOUR   SCALAR   HOUR   SCALAR
   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
   - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
   Ops CO\15809 Ops CO. ***        08/28/24
    *** AERMET - VERSION  16216 ***
    ***                                                                          ***
    13:55:01

                                PAGE  60
   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                     WEEK (HRDOW) *

   SOURCE ID = VOL53        ; SOURCE TYPE = VOLUME   :
    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
    SCALAR   HOUR   SCALAR   HOUR   SCALAR
   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
   - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
     .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
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      .0000E+00   15  .0000E+00   16  .0000E+00
3951    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
3952  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
3953   *** AERMET - VERSION  16216 ***
       ***                                                                    ***
       13:55:01
3954
                                  PAGE  61
3955   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3956
3957                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                         WEEK (HRDOW) *
3958
3959   SOURCE ID = VOL54        ; SOURCE TYPE = VOLUME   :
3960    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
3961  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
3962                                                DAY OF WEEK = WEEKDAY
3963     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
3964     9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
3965    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
3966                                                DAY OF WEEK = SATURDAY
3967     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
3968     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
3969    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
3970                                                DAY OF WEEK = SUNDAY
3971     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
3972     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
3973    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
3974  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
3975   *** AERMET - VERSION  16216 ***
       ***                                                                    ***
       13:55:01
3976
                                  PAGE  62
3977   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
3978
3979                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                         WEEK (HRDOW) *
3980
3981   SOURCE ID = VOL55        ; SOURCE TYPE = VOLUME   :
3982    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
3983  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
3984                                                DAY OF WEEK = WEEKDAY
3985     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
3986     9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
3987    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
3988                                                DAY OF WEEK = SATURDAY
```

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3989       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3990       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3991      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3992                                                DAY OF WEEK = SUNDAY
3993       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
3994       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
3995      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
3996 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
     Ops CO\15809 Ops CO. ***        08/28/24
3997  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:55:01
3998
                                  PAGE  63
3999  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4000
4001                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
4002
4003  SOURCE ID = VOL56        ; SOURCE TYPE = VOLUME   :
4004   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
4005  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
4006                                                DAY OF WEEK = WEEKDAY
4007       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
4008       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
4009      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4010                                                DAY OF WEEK = SATURDAY
4011       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4012       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4013      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4014                                                DAY OF WEEK = SUNDAY
4015       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4016       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4017      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4018 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
     Ops CO\15809 Ops CO. ***        08/28/24
4019  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:55:01
4020
                                  PAGE  64
4021  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4022
4023                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
4024
4025  SOURCE ID = VOL57        ; SOURCE TYPE = VOLUME   :
4026   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
```

```
4027    - - -
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL59 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

FF *** AERMOD - VERSION 23132 *** *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Ops CO\15809 Ops CO. *** 08/28/24

*** AERMET - VERSION 16216 ***

*** ***

13:55:01

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL60 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6

```
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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                              PAGE  68
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL62        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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                              PAGE  69
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL63        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
```

```
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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                                PAGE  70
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL64        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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                                PAGE  71
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL65        ; SOURCE TYPE = VOLUME   :
```

```
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
 SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
  .1000E+01   15  .1000E+01   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***
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                            PAGE  72
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL66        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
  .1000E+01   15  .1000E+01   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL67 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL68 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

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                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:55:01

                              PAGE  75
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL69        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:55:01

                              PAGE  76
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL70        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
```

```
      .1000E+01   15  .1000E+01   16  .0000E+00
4295    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
4296                                            DAY OF WEEK = SATURDAY
4297     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
4298     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
4299    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
4300                                            DAY OF WEEK = SUNDAY
4301     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
4302     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
4303    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
4304 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
    Ops CO\15809 Ops CO. ***        08/28/24
4305  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:55:01
4306
                                PAGE  77
4307  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4308
4309                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
4310
4311  SOURCE ID = VOL71        ; SOURCE TYPE = VOLUME   :
4312   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
      SCALAR   HOUR   SCALAR   HOUR   SCALAR
4313  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
    - - - - - - - - - - - - - - - - - - - -
4314                                            DAY OF WEEK = WEEKDAY
4315     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
4316     9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
4317    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
4318                                            DAY OF WEEK = SATURDAY
4319     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
4320     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
4321    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
4322                                            DAY OF WEEK = SUNDAY
4323     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
4324     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
4325    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
4326 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
    Ops CO\15809 Ops CO. ***        08/28/24
4327  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:55:01
4328
                                PAGE  78
4329  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4330
4331                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
```

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4332
4333   SOURCE ID = VOL72        ; SOURCE TYPE = VOLUME   :
4334    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
        SCALAR   HOUR   SCALAR   HOUR   SCALAR
4335   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - - -
4336                                                DAY OF WEEK = WEEKDAY
4337      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .1000E+01
4338      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .0000E+00
4339     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4340                                                DAY OF WEEK = SATURDAY
4341      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
4342      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
4343     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4344                                                DAY OF WEEK = SUNDAY
4345      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
4346      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
4347     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4348   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
4349    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:55:01
4350
                                  PAGE  79
4351    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4352
4353                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
4354
4355   SOURCE ID = VOL73        ; SOURCE TYPE = VOLUME   :
4356    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
        SCALAR   HOUR   SCALAR   HOUR   SCALAR
4357   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - - -
4358                                                DAY OF WEEK = WEEKDAY
4359      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .1000E+01
4360      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .0000E+00
4361     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4362                                                DAY OF WEEK = SATURDAY
4363      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
4364      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
4365     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4366                                                DAY OF WEEK = SUNDAY
4367      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
4368      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
4369     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4370   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL74 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL77 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00

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4409      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4410                                                DAY OF WEEK = SUNDAY
4411       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
4412       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
4413      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4414  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
4415   *** AERMET - VERSION  16216 ***
       ***                                                                    ***
       13:55:01
4416
                                  PAGE  82
4417   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4418
4419                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                         WEEK (HRDOW) *
4420
4421   SOURCE ID = VOL78        ; SOURCE TYPE = VOLUME   :
4422    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
4423   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
4424                                                DAY OF WEEK = WEEKDAY
4425       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .1000E+01
4426       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .0000E+00
4427      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4428                                                DAY OF WEEK = SATURDAY
4429       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
4430       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
4431      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4432                                                DAY OF WEEK = SUNDAY
4433       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
4434       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
4435      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4436  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
4437   *** AERMET - VERSION  16216 ***
       ***                                                                    ***
       13:55:01
4438
                                  PAGE  83
4439   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4440
4441                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                         WEEK (HRDOW) *
4442
4443   SOURCE ID = VOL79        ; SOURCE TYPE = VOLUME   :
4444    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
4445   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
4446                                                DAY OF WEEK = WEEKDAY
4447       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
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      .0000E+00    7  .0000E+00    8  .1000E+01
4448      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
4449     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
4450                                              DAY OF WEEK = SATURDAY
4451      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
4452      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
4453     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
4454                                              DAY OF WEEK = SUNDAY
4455      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
4456      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
4457     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
4458 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
4459  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:55:01
4460
                                PAGE  84
4461  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4462
4463                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
4464
4465  SOURCE ID = VOL80        ; SOURCE TYPE = VOLUME   :
4466   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
      SCALAR   HOUR   SCALAR   HOUR   SCALAR
4467  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
4468                                              DAY OF WEEK = WEEKDAY
4469      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
4470      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
4471     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
4472                                              DAY OF WEEK = SATURDAY
4473      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
4474      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
4475     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
4476                                              DAY OF WEEK = SUNDAY
4477      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
4478      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
4479     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
4480 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
4481  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:55:01
4482
                                PAGE  85
4483  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4484
```

```
                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                    WEEK (HRDOW) *

 SOURCE ID = VOL81        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:55:01

                              PAGE  86
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                    WEEK (HRDOW) *

 SOURCE ID = VOL82        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL83 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL84 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00

```
4562       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4563      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4564                                              DAY OF WEEK = SUNDAY
4565       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4566       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4567      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4568  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
4569       *** AERMET - VERSION  16216 ***
           ***                                                                    ***
           13:55:01
4570
                                    PAGE  89
4571       *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4572
4573                         * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                             WEEK (HRDOW) *
4574
4575       SOURCE ID = VOL85        ; SOURCE TYPE = VOLUME   :
4576        HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
           SCALAR   HOUR   SCALAR   HOUR   SCALAR
4577      - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - - - - - -
4578                                              DAY OF WEEK = WEEKDAY
4579       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
4580       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
4581      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4582                                              DAY OF WEEK = SATURDAY
4583       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4584       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4585      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4586                                              DAY OF WEEK = SUNDAY
4587       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4588       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4589      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4590  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
4591       *** AERMET - VERSION  16216 ***
           ***                                                                    ***
           13:55:01
4592
                                    PAGE  90
4593       *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4594
4595                         * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                             WEEK (HRDOW) *
4596
4597       SOURCE ID = VOL86        ; SOURCE TYPE = VOLUME   :
4598        HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
           SCALAR   HOUR   SCALAR   HOUR   SCALAR
4599      - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - - - - - -
```

4600 DAY OF WEEK = WEEKDAY
4601 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
4602 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .0000E+00
4603 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
4604 DAY OF WEEK = SATURDAY
4605 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
4606 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
4607 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
4608 DAY OF WEEK = SUNDAY
4609 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
4610 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
4611 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
4612 FF *** AERMOD - VERSION 23132 *** *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Ops CO\15809 Ops CO. *** 08/28/24
4613 *** AERMET - VERSION 16216 *** *** *** 13:55:01
4614

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4615 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*
4616
4617 * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *
4618
4619 SOURCE ID = VOL87 ; SOURCE TYPE = VOLUME :
4620 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
4621 - - -

```
4637    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4638
4639                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
4640
4641    SOURCE ID = VOL88        ; SOURCE TYPE = VOLUME   :
4642     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
4643    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
4644                                                DAY OF WEEK = WEEKDAY
4645       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
4646       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
4647      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4648                                                DAY OF WEEK = SATURDAY
4649       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4650       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4651      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4652                                                DAY OF WEEK = SUNDAY
4653       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4654       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4655      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4656    FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
        Ops CO\15809 Ops CO. ***        08/28/24
4657     *** AERMET - VERSION  16216 ***
         ***                                                                    ***
         13:55:01
4658
                                    PAGE  93
4659    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4660
4661                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
4662
4663    SOURCE ID = VOL89        ; SOURCE TYPE = VOLUME   :
4664     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
4665    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
4666                                                DAY OF WEEK = WEEKDAY
4667       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
4668       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
4669      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4670                                                DAY OF WEEK = SATURDAY
4671       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4672       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4673      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
4674                                                DAY OF WEEK = SUNDAY
4675       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4676       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
```

4682
4683 * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *
4684
4685 SOURCE ID = VOL92 ; SOURCE TYPE = VOLUME :
4686 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR
4687 -
- - - - - - - - - - - - - - - - - - - -
4688 DAY OF WEEK = WEEKDAY
4689 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .1000E+01
4690 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .0000E+00
4691 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
4692 DAY OF WEEK = SATURDAY
4693 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
4694 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
4695 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
4696 DAY OF WEEK = SUNDAY
4697 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
4698 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
4699 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

4704
4705 * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *
4706
4707 SOURCE ID = VOL93 ; SOURCE TYPE = VOLUME :
4708 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR
4709 -
- - - - - - - - - - - - - - - - - - - -
4710 DAY OF WEEK = WEEKDAY
4711 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .1000E+01
4712 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .0000E+00
4713 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
4714 DAY OF WEEK = SATURDAY

```
4715       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4716       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4717      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4718                                                DAY OF WEEK = SUNDAY
4719       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4720       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4721      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4722   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
4723    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:55:01
4724
                                    PAGE  96
4725    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4726
4727                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
4728
4729    SOURCE ID = VOL94        ; SOURCE TYPE = VOLUME   :
4730     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
4731    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
4732                                                DAY OF WEEK = WEEKDAY
4733       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
4734       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
4735      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4736                                                DAY OF WEEK = SATURDAY
4737       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4738       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4739      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4740                                                DAY OF WEEK = SUNDAY
4741       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
4742       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
4743      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
4744   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
4745    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:55:01
4746
                                    PAGE  97
4747    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4748
4749                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
4750
4751    SOURCE ID = VOL95        ; SOURCE TYPE = VOLUME   :
4752     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
```

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4753    - - -
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL97 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

FF *** AERMOD - VERSION 23132 *** *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Ops CO\15809 Ops CO. *** 08/28/24

*** AERMET - VERSION 16216 ***

*** ***

13:55:01

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL98 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6					

```
      .0000E+00    7  .0000E+00    8  .0000E+00
4830     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
4831    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
4832 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
     Ops CO\15809 Ops CO. ***        08/28/24
4833  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:55:01
4834
                                PAGE 101
4835  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4836
4837                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
4838
4839  SOURCE ID = VOL99        ; SOURCE TYPE = VOLUME   :
4840   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
      SCALAR   HOUR   SCALAR   HOUR   SCALAR
4841  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
4842                                            DAY OF WEEK = WEEKDAY
4843     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
4844     9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
4845    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
4846                                            DAY OF WEEK = SATURDAY
4847     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
4848     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
4849    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
4850                                            DAY OF WEEK = SUNDAY
4851     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
4852     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
4853    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
4854 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
     Ops CO\15809 Ops CO. ***        08/28/24
4855  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:55:01
4856
                                PAGE 102
4857  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
4858
4859                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
4860
4861  SOURCE ID = VOL100       ; SOURCE TYPE = VOLUME   :
4862   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
      SCALAR   HOUR   SCALAR   HOUR   SCALAR
4863  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
4864                                            DAY OF WEEK = WEEKDAY
4865     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
4866     9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
4867    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
```

```
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:55:01

                                PAGE 103
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL101       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
     9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
     1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
     9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
    17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:55:01

                                PAGE 104
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL102       ; SOURCE TYPE = VOLUME   :
```

```
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
 SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:55:01

                            PAGE 105
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL103       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL107 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL108 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

```
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
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                              PAGE 108
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL109       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:55:01

                              PAGE 109
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL110       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
```

```
 .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:55:01

                              PAGE 110
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL111       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:55:01

                              PAGE 111
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *
```

```
5058
5059   SOURCE ID = VOL112       ; SOURCE TYPE = VOLUME   :
5060    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
5061   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
5062                                                DAY OF WEEK = WEEKDAY
5063      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .1000E+01
5064      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .0000E+00
5065     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5066                                                DAY OF WEEK = SATURDAY
5067      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
5068      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
5069     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5070                                                DAY OF WEEK = SUNDAY
5071      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
5072      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
5073     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5074   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
5075    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:55:01
5076
                                  PAGE 112
5077    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5078
5079                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
5080
5081    SOURCE ID = VOL113       ; SOURCE TYPE = VOLUME   :
5082     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
        SCALAR   HOUR   SCALAR   HOUR   SCALAR
5083   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
5084                                                DAY OF WEEK = WEEKDAY
5085      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .1000E+01
5086      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .0000E+00
5087     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5088                                                DAY OF WEEK = SATURDAY
5089      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
5090      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
5091     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5092                                                DAY OF WEEK = SUNDAY
5093      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
5094      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
5095     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5096   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL114 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL115 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00

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5135      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5136                                                  DAY OF WEEK = SUNDAY
5137       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
5138       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
5139      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5140  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
5141   *** AERMET - VERSION  16216 ***
       ***                                                                    ***
       13:55:01
5142
                                    PAGE 115
5143   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5144
5145                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                         WEEK (HRDOW) *
5146
5147   SOURCE ID = VOL116       ; SOURCE TYPE = VOLUME   :
5148    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
5149   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
5150                                                  DAY OF WEEK = WEEKDAY
5151       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .1000E+01
5152       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
          .1000E+01   15  .1000E+01   16  .0000E+00
5153      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5154                                                  DAY OF WEEK = SATURDAY
5155       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
5156       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
5157      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5158                                                  DAY OF WEEK = SUNDAY
5159       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
          .0000E+00    7  .0000E+00    8  .0000E+00
5160       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
          .0000E+00   15  .0000E+00   16  .0000E+00
5161      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5162  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
5163   *** AERMET - VERSION  16216 ***
       ***                                                                    ***
       13:55:01
5164
                                    PAGE 116
5165   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5166
5167                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                         WEEK (HRDOW) *
5168
5169   SOURCE ID = VOL117       ; SOURCE TYPE = VOLUME   :
5170    HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
5171   - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - -
5172                                                  DAY OF WEEK = WEEKDAY
5173       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
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      .0000E+00    7  .0000E+00    8  .1000E+01
5174   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
5175  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
5176                                          DAY OF WEEK = SATURDAY
5177   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
5178   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
5179  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
5180                                          DAY OF WEEK = SUNDAY
5181   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
5182   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
5183  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
5184 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
5185  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:55:01
5186
                                PAGE 117
5187  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5188
5189                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
5190
5191  SOURCE ID = VOL122       ; SOURCE TYPE = VOLUME   :
5192   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
      SCALAR   HOUR   SCALAR   HOUR   SCALAR
5193  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
5194                                          DAY OF WEEK = WEEKDAY
5195    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
5196   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
5197  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
5198                                          DAY OF WEEK = SATURDAY
5199   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
5200   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
5201  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
5202                                          DAY OF WEEK = SUNDAY
5203   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
5204   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
5205  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
5206 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
5207  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:55:01
5208
                                PAGE 118
5209  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5210
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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                    WEEK (HRDOW) *

 SOURCE ID = VOL123       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:55:01

                              PAGE 119
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                    WEEK (HRDOW) *

 SOURCE ID = VOL124       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL125 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL126 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00

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5288       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5289      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
5290                                              DAY OF WEEK = SUNDAY
5291       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5292       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5293      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
5294   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
5295    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:55:01
5296
                                    PAGE 122
5297    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5298
5299                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
5300
5301    SOURCE ID = VOL127       ; SOURCE TYPE = VOLUME   :
5302     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
5303    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - - -
5304                                              DAY OF WEEK = WEEKDAY
5305       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
5306       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
5307      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
5308                                              DAY OF WEEK = SATURDAY
5309       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5310       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5311      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
5312                                              DAY OF WEEK = SUNDAY
5313       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5314       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5315      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
5316   FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
       Ops CO\15809 Ops CO. ***        08/28/24
5317    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:55:01
5318
                                    PAGE 123
5319    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5320
5321                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
5322
5323    SOURCE ID = VOL128       ; SOURCE TYPE = VOLUME   :
5324     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
5325    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       - - - - - - - - - - - - - - - - - - - - -
```

5326 DAY OF WEEK = WEEKDAY
5327 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
5328 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .0000E+00
5329 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
5330 DAY OF WEEK = SATURDAY
5331 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
5332 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
5333 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
5334 DAY OF WEEK = SUNDAY
5335 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
5336 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
5337 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
5338 FF *** AERMOD - VERSION 23132 *** *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Ops CO\15809 Ops CO. *** 08/28/24
5339 *** AERMET - VERSION 16216 *** *** *** 13:55:01
5340

PAGE 124

5341 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*
5342
5343 * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *
5344
5345 SOURCE ID = VOL129 ; SOURCE TYPE = VOLUME :
5346 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
5347 - - -

```
5363    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5364
5365                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
5366
5367    SOURCE ID = VOL130       ; SOURCE TYPE = VOLUME   :
5368     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
5369    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
5370                                                DAY OF WEEK = WEEKDAY
5371       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
5372       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
5373      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5374                                                DAY OF WEEK = SATURDAY
5375       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5376       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5377      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5378                                                DAY OF WEEK = SUNDAY
5379       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5380       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5381      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5382    FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
        Ops CO\15809 Ops CO. ***        08/28/24
5383     *** AERMET - VERSION  16216 ***
         ***                                                                    ***
         13:55:01
5384
                                    PAGE 126
5385    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5386
5387                      * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                          WEEK (HRDOW) *
5388
5389    SOURCE ID = VOL137       ; SOURCE TYPE = VOLUME   :
5390     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
5391    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - -
5392                                                DAY OF WEEK = WEEKDAY
5393       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
5394       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
5395      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5396                                                DAY OF WEEK = SATURDAY
5397       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5398       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5399      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5400                                                DAY OF WEEK = SUNDAY
5401       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5402       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
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      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:55:01

                              PAGE 127
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL138       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -
                                             DAY OF WEEK = WEEKDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SATURDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SUNDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
      9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:55:01

                              PAGE 128
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL139       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -
                                             DAY OF WEEK = WEEKDAY
      1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
      9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
     17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SATURDAY
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5441       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5442       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5443      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
5444                                                DAY OF WEEK = SUNDAY
5445       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5446       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5447      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
5448 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
     Ops CO\15809 Ops CO. ***        08/28/24
5449  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:55:01
5450
                                  PAGE 129
5451  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5452
5453                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
5454
5455  SOURCE ID = VOL140       ; SOURCE TYPE = VOLUME   :
5456   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
5457  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
5458                                                DAY OF WEEK = WEEKDAY
5459       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
5460       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
5461      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
5462                                                DAY OF WEEK = SATURDAY
5463       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5464       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5465      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
5466                                                DAY OF WEEK = SUNDAY
5467       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5468       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5469      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
           .0000E+00   23  .0000E+00   24  .0000E+00
5470 FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
     Ops CO\15809 Ops CO. ***        08/28/24
5471  *** AERMET - VERSION  16216 ***
      ***                                                                    ***
      13:55:01
5472
                                  PAGE 130
5473  *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5474
5475                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                        WEEK (HRDOW) *
5476
5477  SOURCE ID = VOL141       ; SOURCE TYPE = VOLUME   :
5478   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
       SCALAR   HOUR   SCALAR   HOUR   SCALAR
```

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5479    - - -
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL144 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

FF *** AERMOD - VERSION 23132 *** *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809 Ops CO\15809 Ops CO. *** 08/28/24

*** AERMET - VERSION 16216 ***

*** ***

13:55:01

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL152 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL153 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL154 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22					

```
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:55:01

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL155       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .1000E+01
       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
      .1000E+01   15  .1000E+01   16  .0000E+00
      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
      .0000E+00    7  .0000E+00    8  .0000E+00
       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
      .0000E+00   15  .0000E+00   16  .0000E+00
      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
      .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:55:01

                                PAGE 137
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL156       ; SOURCE TYPE = VOLUME   :
```

```
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
 SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - -
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL158 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL159 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

```
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:55:01

                              PAGE 141
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL160       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:55:01

                              PAGE 142
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL161       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
```

```
 .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:55:01

                              PAGE 143
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *

 SOURCE ID = VOL164       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
Ops CO\15809 Ops CO. ***        08/28/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***
 13:55:01

                              PAGE 144
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                   WEEK (HRDOW) *
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5784
5785    SOURCE ID = VOL165       ; SOURCE TYPE = VOLUME   :
5786     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
5787    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - - -
5788                                                DAY OF WEEK = WEEKDAY
5789       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
5790       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
5791      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5792                                                DAY OF WEEK = SATURDAY
5793       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5794       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5795      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5796                                                DAY OF WEEK = SUNDAY
5797       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5798       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5799      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5800    FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
        Ops CO\15809 Ops CO. ***        08/28/24
5801     *** AERMET - VERSION  16216 ***
         ***                                                                    ***
         13:55:01
5802
                                  PAGE 145
5803     *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5804
5805                       * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
                           WEEK (HRDOW) *
5806
5807    SOURCE ID = PAREA1       ; SOURCE TYPE = AREAPOLY :
5808     HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
         SCALAR   HOUR   SCALAR   HOUR   SCALAR
5809    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - - - -
5810                                                DAY OF WEEK = WEEKDAY
5811       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .1000E+01
5812       9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
           .1000E+01   15  .1000E+01   16  .0000E+00
5813      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5814                                                DAY OF WEEK = SATURDAY
5815       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5816       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5817      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5818                                                DAY OF WEEK = SUNDAY
5819       1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
           .0000E+00    7  .0000E+00    8  .0000E+00
5820       9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
           .0000E+00   15  .0000E+00   16  .0000E+00
5821      17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
          .0000E+00   23  .0000E+00   24  .0000E+00
5822    FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
```

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(496491.3, 3767684.6, 836.3, 1522.0, 2.0); (496509.6, 3767701.3, 837.5, 1522.0, 2.0);
(496521.2, 3767712.1, 838.2, 1522.0, 2.0); (496534.5, 3767724.3, 839.1, 1522.0, 2.0);
(496563.4, 3767745.6, 840.0, 1522.0, 2.0); (496575.5, 3767754.3, 840.5, 1522.0, 2.0);
(496589.5, 3767762.6, 840.7, 1522.0, 2.0); (496604.9, 3767771.6, 840.9, 1522.0, 2.0);
(496619.4, 3767780.2, 841.1, 1522.0, 2.0); (496633.1, 3767787.0, 841.5, 1522.0, 2.0);
(496647.9, 3767797.3, 842.7, 1522.0, 2.0); (496661.0, 3767803.9, 843.9, 1522.0, 2.0);
(496675.7, 3767812.1, 844.7, 1522.0, 2.0); (496691.0, 3767821.9, 845.6, 1522.0, 2.0);
(496703.2, 3767832.6, 846.8, 1522.0, 2.0); (496717.5, 3767837.2, 847.8, 1522.0, 2.0);
(496731.8, 3767845.2, 848.7, 1522.0, 2.0); (496744.7, 3767855.9, 849.5, 1522.0, 2.0);
(496759.5, 3767861.5, 850.1, 1522.0, 2.0); (496789.1, 3767879.0, 851.7, 1522.0, 2.0);
(496845.4, 3767943.8, 853.6, 1708.0, 2.0); (496884.5, 3767947.2, 855.0, 1708.0, 2.0);
(497023.0, 3767549.1, 856.3, 1522.0, 2.0); (496976.9, 3767441.9, 855.4, 1522.0, 2.0);
(496745.3, 3767481.3, 842.8, 1522.0, 2.0); (496485.9, 3767499.6, 829.0, 1522.0, 2.0);
(496274.0, 3767438.7, 819.9, 1522.0, 2.0); (496184.7, 3767504.2, 818.3, 1522.0, 2.0);
(496192.5, 3767584.9, 819.7, 1522.0, 2.0);

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

1 1 1

```
                1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
5860            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
                1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
5861            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1
5862
5863                NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT
                    IS INCLUDED IN THE DATA FILE.
5864
5865
5866
5867                                    *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED
                                        CATEGORIES ***
5868                                                    (METERS/SEC)
5869
5870                                                 1.54,   3.09,   5.14,   8.23,  10.80,
5871    FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
        Ops CO\15809 Ops CO. ***        08/28/24
5872     *** AERMET - VERSION  16216 ***
         ***                                                                    ***
         13:55:01
5873
                                    PAGE 148
5874     *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5875
5876                                        *** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA
                                            ***
5877
5878       Surface file:
           ..\RDLD_V9_ADJU\RDLD_v9.SFC
           Met Version:  16216
5879       Profile file:
           ..\RDLD_V9_ADJU\RDLD_v9.PFL
5880       Surface format:
           FREE

5881       Profile format:
           FREE

5882       Surface station no.:     3171                  Upper air station no.:     3190
5883                       Name: UNKNOWN                                  Name:
                           UNKNOWN
5884                       Year:   2012                                   Year:   2012
5885
5886     First 24 hours of scalar data
5887     YR MO DY JDY HR     H0     U*     W*  DT/DZ ZICNV ZIMCH  M-O LEN    Z0  BOWEN ALBEDO
         REF WS   WD     HT  REF TA     HT
5888    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        - - - - - - - - - - - - - - - - - - -
5889     12 01 01   1 01  -10.6  0.149 -9.000 -9.000 -999.  138.     26.7  0.32   3.22   1.00
         1.30  110.    9.1  285.4    5.5
5890     12 01 01   1 02   -5.0  0.102 -9.000 -9.000 -999.   78.     17.9  0.32   3.22   1.00
         0.90  130.    9.1  284.5    5.5
5891     12 01 01   1 03   -5.0  0.102 -9.000 -9.000 -999.   78.     17.9  0.32   3.22   1.00
         0.90  100.    9.1  285.0    5.5
5892     12 01 01   1 04   -5.0  0.102 -9.000 -9.000 -999.   78.     17.9  0.32   3.22   1.00
         0.90  107.    9.1  284.6    5.5
5893     12 01 01   1 05  -10.7  0.149 -9.000 -9.000 -999.  138.     26.7  0.32   3.22   1.00
         1.30   98.    9.1  284.9    5.5
5894     12 01 01   1 06   -5.0  0.102 -9.000 -9.000 -999.   78.     17.9  0.32   3.22   1.00
         0.90   86.    9.1  284.5    5.5
5895     12 01 01   1 07   -5.0  0.102 -9.000 -9.000 -999.   78.     17.9  0.32   3.22   1.00
         0.90   91.    9.1  284.0    5.5
5896     12 01 01   1 08   -4.0  0.102 -9.000 -9.000 -999.   78.     22.9  0.32   3.22   0.54
         0.90  107.    9.1  285.0    5.5
5897     12 01 01   1 09   44.6  0.237  0.382  0.006   43.  276.    -25.6  0.15   3.22   0.33
         2.10   81.   10.1  289.1    5.5
```

```
5898    12 01 01   1 10  134.3  0.111  0.882  0.008  176.   99.     -1.0  0.32   3.22   0.26
        0.40   72.    9.1  295.1    5.5
5899    12 01 01   1 11  199.8  0.409  1.429  0.005  503.  627.    -29.4  0.15   3.22   0.23
        3.68   78.   10.1  297.9    5.5
5900    12 01 01   1 12  232.3  0.300  1.889  0.005  999.  402.    -10.0  0.32   3.22   0.22
        1.80  333.    9.1  299.4    5.5
5901    12 01 01   1 13  230.0  0.300  2.134  0.005 1453.  394.    -10.1  0.32   3.22   0.22
        1.80   72.    9.1  300.4    5.5
5902    12 01 01   1 14  194.0  0.294  2.109  0.005 1663.  382.    -11.2  0.32   3.22   0.24
        1.80  277.    9.1  301.0    5.5
5903    12 01 01   1 15  126.3  0.378  1.872  0.005 1784.  557.    -36.5  0.32   3.22   0.27
        2.70  243.    9.1  301.0    5.5
5904    12 01 01   1 16   39.5  0.199  1.278  0.005 1817.  240.    -17.2  0.32   3.22   0.36
        1.30  274.    9.1  300.1    5.5
5905    12 01 01   1 17   -4.7  0.101 -9.000 -9.000 -999.   85.     19.0  0.32   3.22   0.65
        0.90  252.    9.1  298.2    5.5
5906    12 01 01   1 18   -4.9  0.102 -9.000 -9.000 -999.   78.     18.2  0.32   3.22   1.00
        0.90  116.    9.1  296.4    5.5
5907    12 01 01   1 19  -18.8  0.204 -9.000 -9.000 -999.  220.     45.6  0.15   3.22   1.00
        2.27   79.   10.1  292.2    5.5
5908    12 01 01   1 20   -5.0  0.102 -9.000 -9.000 -999.   83.     18.1  0.32   3.22   1.00
        0.90   95.    9.1  290.2    5.5
5909    12 01 01   1 21   -5.0  0.102 -9.000 -9.000 -999.   78.     18.0  0.32   3.22   1.00
        0.90   99.    9.1  287.8    5.5
5910    12 01 01   1 22   -5.0  0.102 -9.000 -9.000 -999.   78.     18.0  0.32   3.22   1.00
        0.90  110.    9.1  287.6    5.5
5911    12 01 01   1 23  -10.6  0.149 -9.000 -9.000 -999.  138.     26.8  0.32   3.22   1.00
        1.30   89.    9.1  287.2    5.5
5912    12 01 01   1 24   -5.0  0.102 -9.000 -9.000 -999.   78.     17.9  0.32   3.22   1.00
        0.90  105.    9.1  285.9    5.5
5913
5914
5915    First hour of profile data
5916    YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
5917    12 01 01 01    5.5 0 -999.  -99.00   285.5   99.0  -99.00  -99.00
5918    12 01 01 01    9.1 1  110.    1.30  -999.0   99.0  -99.00  -99.00
5919
5920    F indicates top of profile (=1) or below (=0)
5921    FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
        Ops CO\15809 Ops CO. ***        08/28/24
5922    *** AERMET - VERSION  16216 ***
        ***                                                                    ***
        13:55:01
5923
                                  PAGE 149
5924    *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5925
5926                              *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION   VALUES
                                  FOR SOURCE GROUP:  ALL      ***
5927                                  INCLUDING SOURCE(S):     VOL1        , VOL2        ,
                                      VOL3        , VOL4        , VOL5        ,
5928                  VOL6        , VOL7        , VOL8        , VOL9        , VOL10       ,
                      VOL11       , VOL13       , VOL14       ,
5929                  VOL15       , VOL16       , VOL17       , VOL18       , VOL19       ,
                      VOL20       , VOL21       , VOL22       ,
5930                  VOL23       , VOL24       , VOL25       , VOL26       , VOL27       ,
                      VOL28       , VOL29       ,  . . .      ,
5931
5932                                    *** DISCRETE CARTESIAN RECEPTOR POINTS ***
5933
5934                                  ** CONC OF PM_2.5   IN
                                      MICROGRAMS/M**3                          **
5935
5936         X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
             Y-COORD (M)        CONC     (YYMMDDHH)
5937    - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

```
 - - - - - - - - - - - - - - - - - - - -
5938          496491.32   3767684.64        1.81228  (16010624)                496509.63
              3767701.31        1.81902  (16010624)
5939          496521.17   3767712.07        1.78600  (16010624)                496534.49
              3767724.30        1.76358  (16122324)
5940          496563.40   3767745.58        1.61928  (16122324)                496575.48
              3767754.30        1.56173  (16122324)
5941          496589.51   3767762.56        1.54762  (16122324)                496604.86
              3767771.60        1.49891  (13121924)
5942          496619.43   3767780.25        1.46587  (16122324)                496633.15
              3767787.03        1.50024  (13121924)
5943          496647.88   3767797.32        1.48409  (13121924)                496661.05
              3767803.94        1.51699  (13121924)
5944          496675.70   3767812.13        1.41361  (13121924)                496691.05
              3767821.95        1.27661  (13121924)
5945          496703.21   3767832.62        1.17779  (13121924)                496717.55
              3767837.22        1.11416  (13121924)
5946          496731.81   3767845.25        0.95051  (13121924)                496744.74
              3767855.92        0.79706  (13121924)
5947          496759.47   3767861.53        0.66901  (13121924)                496789.08
              3767878.99        0.43172  (13100424)
5948          496845.37   3767943.79        0.21429  (13100424)                496884.55
              3767947.23        0.18017  (13100424)
5949          497022.97   3767549.13        0.42626  (13112024)                496976.92
              3767441.88        0.27553c (13020624)
5950          496745.27   3767481.35        0.76226c (13020624)                496485.87
              3767499.65        0.82029  (13012524)
5951          496273.95   3767438.73        0.31419  (13012524)                496184.72
              3767504.22        0.32373  (13012524)
5952          496192.45   3767584.87        0.33112
              (13112924)

5953  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
      Ops CO\15809 Ops CO. ***        08/28/24
5954   *** AERMET - VERSION  16216 ***
       ***                                                                    ***
       13:55:01
5955
                                  PAGE 150
5956   *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
5957
5958                                                *** THE SUMMARY OF HIGHEST 24-HR RESULTS
                                                    ***
5959
5960
5961                                    ** CONC OF PM_2.5   IN
                                        MICROGRAMS/M**3                          **
5962
5963
                                                          DATE

                                                        NETWORK
5964  GROUP ID                              AVERAGE CONC     (YYMMDDHH)             RECEPTOR  (XR,
      YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
5965  - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
      - - - - - - - - - - - - - - - - - - - -
5966
5967  ALL      HIGH   1ST HIGH VALUE IS       1.81902  ON 16010624: AT (  496509.63,
      3767701.31,   837.48,  1522.00,    2.00)  DC
5968
5969
5970   *** RECEPTOR TYPES:  GC = GRIDCART
5971                        GP = GRIDPOLR
5972                        DC = DISCCART
5973                        DP = DISCPOLR
5974  FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Alyssa Barnett\Desktop\HRA\15809\15809
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

--------- Summary of Total Messages --------

A Total of 0 Fatal Error Message(s)
A Total of 2 Warning Message(s)
A Total of 388 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 191 Calm Hours Identified

A Total of 197 Missing Hours Identified (0.45 Percent)

******** FATAL ERROR MESSAGES ********
*** NONE ***

******** WARNING MESSAGES ********
ME W186 2406 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 2406 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

****
*** AERMOD Finishes Successfully ***
****

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RESIDENCES AT OAK GLEN CREEK SPECIFIC PLAN DEVELOPMENT

APPENDIX B – BIOLOGICAL TECHNICAL REPORT

BIOLOGICAL TECHNICAL REPORT

Oak Glen-Bryant



PREPARED FOR:

Oak Glen Plaza, LLC
1525 South Broadway
Los Angeles, CA 90015
Contact: Assi Mahfouz

PREPARED BY:

VCS Environmental
30900 Rancho Viejo Road, Suite 100
San Juan Capistrano, CA 92675
Phone: 949.489.2700
Contact: Sierra Coleman Valladares

DECEMBER 2024

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Figure 10 Jurisdictional Waters Map

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Appendix D Special Status Species Potential Occurrence Determination
Appendix E Focused Burrowing Owl Survey Report
Appendix F Coastal California Gnatcatcher Survey Report
Appendix G San Bernardino Kangaroo Rat Survey Report

ACRONYMS, ABBREVIATIONS, AND GLOSSARY OF TERMS

°F	Fahrenheit
APN	Assessor Parcel Numbers
BLM	Bureau of Land Management
BMPs	Best Management Practices
BTR	Biological Technical Report
BUOW	Burrowing owl
CAGN	California coastal gnatcatcher
CBB	Crotch's bumble bee
CBOC	California Burrowing Owl Consortium
CDFW	California Department of Fish and Wildlife
City	City of Yucaipa
CESA	California Endangered Species Act
CEQA	California Environmental Quality Act
CNDDB	California Natural Diversity Database
CNPS	California Native Plant Society
CRPR	California Rare Plant Rank
CWA	federal Clean Water Act
ESA	federal Endangered Species Act
FGC	Fish and Game Code
GIS	Geographic Information System
GPS	Global Positioning System
HCP	Habitat Conservation Plan
KBI	Kidd Biological, Inc.
MBTA	Migratory Bird Treaty Act
AMSL	Above mean sea level
NCCP	Natural Community Conservation Plan
NPPA	Native Plant Protection Act
NRCS	Natural Resources Conservation Service
NWI	National Wetlands Inventory
NWP	Nationwide Permit
OHWM	Ordinary High Water Mark
RWQCB	Regional Water Quality Control Board
sf	square feet
U.S.	United States
USACE	United States Army Corps of Engineers
USFS	United States Forest Service
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
VCS	VCS Environmental
WBWG	Western Bat Working Group
WDR	Waste Discharge Requirement
WOS	Waters of the State

WOUS	Waters of the United States
YAPS	Yucaipa Animal Placement Society

1.0 INTRODUCTION

On behalf of Oak Glen Plaza, LLC, VCS Environmental (VCS) prepared this Biological Technical Report (BTR), which incorporates the findings from the general biological surveys and jurisdictional waters delineation survey conducted by VCS on September 24, 2021 and November 8, 2024, and the focused surveys for rare plants, burrowing owl (BUOW), coastal California gnatcatcher (CAGN), and San Bernardino kangaroo rat (SBKR) in 2021 and 2022. The rare plant survey was conducted on April 28 and May 20, 2022 by botanist CJ Fotheringham of Biological Consultations. The BUOW habitat assessment and focus surveys were conducted from March – June 2022 by VCS biologists. Protocol-level non-breeding season surveys for CAGN were completed in December 2021 – April 2022 by Kidd Biological, Inc. (KBI). Protocol-level trapping surveys for SBKR were completed in June 2022. VCS prepared this report for the Oak Glen-Bryant Project (Project).

1.1 Purpose and Approach

This report provides a summary of the conditions present during the September 2021 through June 2022 and November 2024 surveys, an assessment of the potential presence of sensitive biological resources, and an analysis of the potential impacts to those resources with the Project implementation. This report presents the current biological resources present within the Project Footprint including habitat communities, potential jurisdictional waters, and the potential occurrence of listed and special status plant and wildlife species. The potential biological impacts in view of federal, state, and local laws and regulations are also identified in this report. While general biological resources are discussed, the focus of this assessment is on those resources considered to be sensitive. The report also recommends, as appropriate, Best Management Practices (BMPs), avoidance, minimization, and mitigation measures/conditions of approval to reduce and/or avoid potential impacts. This report was prepared based upon the results of a literature review and field surveys.

1.2 Terms

The following terms will be used throughout this document and are defined as follows:

- Project site: The approximately 17.46-acre property subject to impacts by Project activities consisting of Assessor Parcel Numbers (APN) 0303-051-44-0000, 0303-051-45-0000, 0303-051-64-0000.
- Project Footprint: The Project Footprint combines the Project site and offsite improvements for a total of approximately 18.24 acres and is the primary area subject to assessment during the biological survey.
- Offsite Improvements: The approximately 0.78-acre subject to utilities and roadway improvements outside of the Project site and within the Project Footprint.
- Study Area: Includes the entire Project Footprint and a 500-foot buffer area around the Project Footprint for field surveys and aerial reviews unless otherwise noted. In terms of database research, a two-mile search radius from the Project Footprint was used unless otherwise noted. For the CAGN and BUOW surveys, the Study Area includes the Project Footprint plus a 500-foot buffer. For the SBKR surveys the Study Area includes the Project site plus the immediate area where suitable habitat for SBKR is present.

1.3 Project Footprint Location

The Project Footprint is in the County of San Bernardino in the City of Yucaipa. The Project Footprint is regionally accessible from Interstate 10 (I-10). Regional and Aerial Maps are included as [Figures 1 and 2], respectively. The Project Footprint is located at Global Positioning System (GPS) location 34.049576, -117.036169, near the intersection of Oak Glen Road and Bryant Street. The Project Footprint is composed of several parcels which include APNs 0303-051-44-0000, 0303-051-45-0000, 0303-051-64-0000. The Project Footprint is also located within Section 25 Township 1 South, Range 2 West of the United States Geological Survey (USGS) Topographic Map, 7.5 Minute Series, in the Yucaipa Quadrangle (Figure 3, *USGS Topographic Map*). Representative photographs of the Project Footprint are included as Appendix A.

2.0 PROJECT DESCRIPTION

The proposed Project site is located on 3 (three) vacant parcels that total 17.46 acres at the northwest corner of the intersection of Bryant Street and Oak Glen Road (APNs 0303-051-44, -45, -64). The space is undeveloped, and historical aerials show that it was graded sometime between 1969 and 1982. There are residential structures to the north and northwest, commercial buildings to the south and southeast, and vacant lots directly to the east of the Project area. The proposed residential Project would consist of 145 detached single-family townhome units and 8,000 square feet (SF) of retail use, with an in-line fast-food restaurants without drive-through windows (i.e., Subway, Jersey Mike's subs). If the 8,000 square feet of retail use is not built, alternatively up to 18 more dwelling units are proposed would be in its place. The site would have two driveways along Oak Glen Road, and two along Bryant Street, for a total of four driveways/ access points. Amenities included in the proposed development include a pocket park (northern portion of site), main park (central portion of site), and dog park (southwestern portion of site). The Project would also provide 550 parking spaces for residents and guests.

2.1 Current Conditions

The Project Footprint is composed of approximately 18 acres of disturbed areas due to historical mowing activities throughout the site with large pockets of scalebroom scrub between the maintained paths (Figure 5, *Vegetation/Land Cover Map*). The Project Footprint overlaps with the historical braided channel of Wilson Creek, however, Wilson Creek was channelized north and west of an access road that borders the property on these sides in the 1970s. The Project Footprint is currently south of Wilson Creek. An access road divides Wilson Creek and the Project Footprint; south of this access road it appears that limited impacts had occurred including vegetation removal and mechanical soil disturbance from 1969 to 2009. The Project Footprint is generally flat with elevations ranging from approximately 2730 to 2790 feet (832 to 850 meters) above mean sea level (amsl) (Google Earth 2024). Site photographs are attached as Appendix A. The site is bounded by Oak Glen Road to the south, Bryant Street to the east, and Wilson Creek to the north. Residential properties are present to the north and commercial businesses are present to the south of the Project Footprint.

3.0 REGULATORY CONTEXT

The following is a list of the relevant federal, state, and local laws and regulations that apply to protecting plant communities, plants, wildlife, and water quality from impacts within the Project Footprint.

Agency/ Organization	Laws/Regulations	Notes
Federal	Clean Water Act (CWA) Section 404	Jurisdictional Waters of the United States (WOUS) are not considered present within the Project Footprint; therefore, no impacts will occur and a Section 404 Permit from the United States Army Corps of Engineers (USACE) will not be required.
	CWA Section 404 Nationwide Permit (NWP)	Jurisdictional WOUS are not considered present within the Project Footprint; therefore, no impacts will occur, and a Section 404 NWP would not be required from USACE.
	CWA Section 401/Waste Discharge Requirement (WDR)	Jurisdictional WOUS and Waters of the State (WOS) are not present within the Project Footprint; therefore, no impacts will occur and a Section 401 Permit and/or WDR permit from the Regional Water Quality Control Board (RWQCB) will not be required.
	CWA Section 408	No facilities subject to Section 408 occur within the Project.
	Migratory Bird Treaty Act (MBTA)	Compliance with the MBTA will be achieved with pre-construction surveys for nesting birds within three (3) days prior to initiation of work.
	Endangered Species Act (ESA)	No federally listed species were observed within the Project Footprint during the 2021, 2022 and 2024 surveys. Because there is a low potential for federally listed species to occur, no mitigation measures are required for these species.
State	Section 1600 of the Fish and Game Code (FGC)	Jurisdictional WOS are not considered present within the Project Footprint; therefore, no impacts will occur and a Section 1600 Agreement through the California Department of Fish and Wildlife (CDFW) is not required.

Agency/ Organization	Laws/Regulations	Notes
	California Endangered Species Act (CESA)	There is potential for burrowing owl and Crotch's bumble bee to exist in the Project Footprint, which at the time of this document are candidate endangered species and would receive the full protections as a California listed endangered species and would require an Incidental Take Permit (ITP) if found within the Project Footprint. Compliance would be maintained with focused surveys, which have been conducted and confirmed no burrowing owl occupation to date, and through a pre-construction survey. If burrowing owl is found during the pre-construction survey, agency coordination and acquiring an ITP would be required. Compliance for Crotch's bumble bee would be maintained with focused surveys, which are proposed to occur in Spring 2025. If no Crotch's bumble bee is confirmed onsite, only a pre-construction survey would be required. If they are found onsite during the focused surveys or during the pre-construction survey, agency coordination and acquisition of an ITP would be required.
	Sections 3503, 3503.5, and 3513 of the FGC	These FGC sections offer protection of nesting birds, birds-of-prey, and migratory birds. Compliance will be maintained with a pre-construction survey for nesting birds (including birds-of-prey and migratory birds) within [three (3) days] prior to initiation of work.
	Section 4150 of the FGC	Prohibits incidental or deliberate "take" of non-game mammals, including bats. Impacts to roosting bats are not anticipated as there is a low potential for roosting bats to occur onsite. The existing vegetation onsite may represent suitable foraging habitat for bats; however, this impact on foraging habitat would be less than significant given the availability of habitat remaining in the region.
	Porter-Cologne Water Quality Control Act and Waste Discharge Requirements (WDR)	WOS and WOUS are not present within the Project Footprint and will not be impacted during Project activities; therefore, a WDR is not required.
City	City of Yucaipa Mountain Forest and Valley Tree Conservation	Approval from the City is required if any person intends to remove a living native tree (except for oak trees) with a six-inch or greater stem diameter, measured at 4.5 feet above the average ground level of the tree base on private land within the City and on public land owned by the City. One native tree that meets the native tree or heritage tree criteria per the City's Mountain Forest and Valley Tree Conservation ordinance criteria was observed within the Project Footprint. Therefore, approval from the City of Yucaipa for tree removal is required.

Agency/ Organization	Laws/Regulations	Notes
	City of Yucaipa Oak Tree Conservation	A permit would be required if an oak tree is proposed for cut, removal, encroachment into the protected zone, or relocation on any public or private property within the City per the City of Yucaipa Oak Tree Conservation ordinance. No oak trees were observed within the Project Footprint. Therefore, a tree removal permit through the City of Yucaipa is not required.
*On May 25, 2023, the United States Supreme Court issued its decision in *Sackett v. Environmental Protection Agency*, narrowing the scope of federal jurisdiction over wetlands under the Clean Water Act to "relatively permanent bod[ies] of water connected to traditional interstate navigable waters); and second, that the wetland has a continuous surface connection with that water, making it difficult to determine where the 'water' ends and the 'wetland' begins (*Sackett v. EPA*, No. 21–454 (2023)). As identified in the Sackett ruling, Waters of the U.S. must also be a relatively permanent body of water.		

3.1 Impacts Terminology

Potential impacts to biological resources that could result from Project implementation are discussed in each of the Vegetation, Wildlife, and Jurisdictional Waters sections presented in this report.

Biological resources may be either directly or indirectly impacted by a project. Furthermore, direct and indirect impacts may be either permanent or temporary in nature. These impact categories are defined below. These terms will be used throughout the document. Under each section, potential impacts are discussed.

- Direct Impact: Any loss, alteration, disturbance, or destruction of biological resources that would result from Project-related activities is a direct impact. Examples include vegetation clearing, encroaching into wetlands, diverting natural surface water flows, and the loss of individual species and/or their habitats. Direct impacts are long-term.
- Indirect Impact: As a result of Project-related activities, biological resources may also be affected in a manner that is not direct. Examples of indirect impacts include elevated noise, light, and dust levels, increased human activity, decreased water quality, erosion created by the removal of vegetation, and the introduction of invasive plants and unnatural predators (e.g., domestic cats and dogs). These indirect impacts may be both short-term and long-term in their extent.
- Permanent Impacts: All impacts that result in the long-term or irreversible removal of biological resources are considered permanent. Examples include constructing a building or permanent road on an area containing biological resources.

4.0 VEGETATION

4.1 Literature Review

4.1.1 Sensitive Plant Communities

Sensitive plant communities (sensitive habitats) as defined below, are of limited distribution statewide or within a county or region and are often vulnerable to environmental effects of projects. Sensitive habitats are often threatened with local extirpation and are therefore considered as valuable biological resources. Plant communities are considered "sensitive" by the California Native Plant Society (CNPS) and CDFW if they meet any of the following criteria listed below.

- The habitat is recognized and considered sensitive by CDFW, United States Fish and Wildlife Service (USFWS), and/or special interest groups such as CNPS.
- The habitat is under the jurisdiction of the USACE pursuant to Section 404 of the CWA.
- The habitat is under the jurisdiction of the CDFW pursuant to Sections 1600 through 1612 of the FGC.
- The habitat is known or believed to be of high priority for inventory in the California Natural Diversity Database (CNDDB).
- The habitat is considered regionally rare.
- The habitat has undergone a large-scale reduction due to increased encroachment and development.
- The habitat supports special status plant and/or wildlife species (defined below).
- The habitat functions as an important corridor for wildlife movement.

The most current version of CDFW's List of California Sensitive Natural Communities indicates which natural communities are sensitive given the current state of the California classification (CDFW 2024b).

4.1.2 Special Status Plants

Species of plants are afforded "special status" by federal agencies, state agencies, and/or non-governmental organizations (e.g., USFWS, CDFW, CNPS, and United States Forest Service [USFS]) because of their recognized rarity, potential vulnerability to extinction, and local importance. These species typically have a limited geographic range and/or limited habitat and are referred to collectively as "special status" species. Plant species were considered "special status" species if they meet any of the following criteria:

- Taxa with official status under ESA, CESA, and/or the Native Plant Protection Act (NPPA).
- Taxa proposed for listing under ESA and/or CESA.
- Taxa identified as sensitive, unique or rare, by the USFWS, CDFW, USFS, and/or the Bureau of Land Management (BLM).
- Plants that meet the definition of rare or endangered under the California Environmental Quality Act (CEQA) §15380(b) and (d). Species that may meet the definition of rare or endangered include the following:

  - Species considered by CNPS and CDFW to be "rare, threatened or endangered in California" (California Rare Plant Rank [CRPR] 1A, 1B and 2 (CNPS 2024). A majority of the CRPR 3 and CRPR 4 plant species generally do not qualify for protection under CESA and NPPA.
  - Species that may warrant consideration on the basis of local significance or recent biological information.
  - Some species included on the CNDDB Special Vascular Plants, Bryophytes, and Lichens List (CDFW 2024c).

- Considered a locally significant species, that is, a species that is not rare from a statewide perspective but is rare or uncommon in a local context such as within a county or region (CEQA §15125 (c)) or is so designated in local or regional plans, policies, or ordinances. Examples include a species at the outer limits of its known range or a species occurring on an uncommon soil type.

Available literature and databases were reviewed regarding sensitive habitats and special status plant species. Special status plant species that have the potential to occur within the immediate region of the Project Footprint were identified. Several agencies, including the USFWS, CDFW, and CNPS publish lists of particular taxa (species and subspecies), and the associated level of protection or concern associated with each. Reviewed and consulted literature and databases focused on the Project Footprint and included the following sources listed below:

- The CNDDB, a CDFW species account database that inventories status and locations of rare plants and wildlife in California, was used to identify any sensitive plant communities and special status plants that may exist within a two-mile radius of the Project Footprint (CDFW 2024a).
- Online CNPS Inventory of Rare and Endangered Plants of California (CNPS 2024). A search for the USGS 7.5-Minute Topographic Map (Figure 3, *USGS Topographic Map*) Yucaipa Quadrangle provided information regarding the distribution and habitats of special status vascular plants in the vicinity of the Project.
- A map of USFWS critical habitat to determine species with critical habitat mapped in the general vicinity of the Project (USFWS 2024a).
- The USFWS's Information for Planning and Consultation online tool, which identifies species and critical habitat under USFWS jurisdiction that are known or expected to be on or near the Project area (USFWS 2024b).
- Pertinent maps, scientific literature, websites, and regional flora and fauna field guides.

As noted previously, species occurrence and distribution information are often based on documented occurrences where opportunistic surveys have taken place; therefore, a lack of records does not necessarily indicate that a given species is absent from the Project Footprint.

4.2 Field Methodology

The general biological field survey was conducted within the Project Footprint on September 21, 2021, by VCS biologist Carla Marriner and botanist CJ Fotheringham. The rare plant survey was conducted on April 28 and May 20, 2022 by botanist CJ Fotheringham of Biological Consultations. An additional site visit was conducted on November 8, 2024, by VCS biologists Sierra Valladares and Nathalie Munoz to confirm and update the site conditions as appropriate. During the surveys, biologists walked the entirety of the Project

Footprint paying special attention to those areas that could host sensitive vegetation communities or have the potential to provide suitable habitat for special status plant species. Plant species were identified using plant field and taxonomical guides, such as The Jepson Manual: Vascular Plants of California, second edition (Baldwin et al. 2012). All plant species encountered during the field survey were identified and recorded in field notes.

The vegetation communities and habitat conditions were inspected to confirm the presence and habitat quality of the vegetation found onsite. Where appropriate, descriptions of vegetation communities from the Manual of California Vegetation (Sawyer et al. 2008) were also utilized. Any deviations from standard vegetation classifications were made on best professional judgment when areas did not fit into a specific habitat description provided by the Manual. Vegetation communities were mapped using field observations and utilizing aerial imagery.

4.2.1 Rare Plant Survey

On April 28 and May 20, 2022, a rare plant survey was conducted within the Project Footprint by botanist CJ Fotheringham of Biological Consultations to identify any emergent and/or sensitive species. Results of the survey are further detailed in Appendix B. The rare plant survey was scheduled to coincide with the blooming period of the rare plants known to have occurrences in the region. The plant species observed within the Project Footprint during the rare plant survey and biological surveys are listed in Appendix C.

4.3 Results

4.3.1 Vegetation Communities

Vegetation and land cover mapping for each vegetation community and land type within the Project Footprint can be found in Figure 5, *Vegetation/ Land Cover Map*. Representative photographs of the Project Footprint are included as Appendix A. The vegetation communities are categorized in the most relevant Manual of California Vegetation community.

Table 1. Vegetation Communities/Land Cover Observed within the Project Footprint

Vegetation Community/Land Cover Type	Acres
Developed	0.78
Disturbed Maintained Land	7.65
Scalebroom Scrub - *Lepidospartum squamatum* Shrubland Alliance (G3/S3)	9.81
TOTAL	18.24

The Project Footprint consists of three vegetation communities and land cover types listed in Table 1 above.

4.3.1.1 Developed

This land cover consists of concrete sidewalks and streetlights along Oak Glen Road and Bryant Street.

4.3.1.2 Disturbed Maintained Land

This land cover consists of disturbed, frequently mowed and sparsely vegetated areas with mostly herbaceous non-native forbs and grasses including short-pod mustard (*Hirschfeldia incana*), red-stem filaree, Russian thistle (*Salsola tragus*), tocalote (*Centaurea melitensis*), tree tobacco (*Nicotiana glauca*), red brome (*Bromus madritensis*) and Mediterranean grass (*Schismus barbatus).* A few native species observed within this land cover include telegraph weed (*Heterotheca grandiflora*), common sunflower (*Helianthus annuus*), California croton (*Croton californicus*), turkey mullein (*Croton setiger*), and phacelia (*Phacelia* sp.).

4.3.1.3 Scalebroom Scrub - *Lepidospartum squamatum* Shrubland Alliance (G3/S3)

This is a sensitive vegetation group with a rarity ranking on S3 and G3. Riversidean Alluvial Fan Sage Scrub is widespread along Wilson Creek and the lower portion of Oak Glen Creek adjacent to the Project Footprint. This vegetation community is dominated by scale-broom (*Lepidospartum squamatum*) co-dominant with California buckwheat (*Eriogonum fasiculatum*), and deerweed (*Acmispon glaber*) but also supports a broad diversity of other native shrubs and forbs, including western prickly pear (*Opuntia littoralis*), strigose lotus (*Acmispon strigosus*), blue elderberry (*Sambucus mexicana*), slender buckwheat (*Eriogonum gracile*), California tarragon (*Artemisia dracunculus*), white sage (*Salvia apiana*), chaparral yucca (*Yucca whipplei*), branching phacelia (*Phacelia ramosissima*), and California croton. Non-native species observed within this vegetation community include American century plant (*Agave americana*), tocalote (*Centaurea melitensis*), short-pod mustard, tree tobacco (*Nicotiana glauca*), and brome grasses (*Bromus* spp.)

4.3.2 Special Status Vegetation Communities

As noted above, vegetation alliances with a State Rarity Ranking of S3 or lower are considered to have special status due to the limited number of occurrences. Scalebroom Scrub - *Lepidospartum squamatum* Shrubland Alliance occurs within the Project Footprint. This is a sensitive vegetation community with a rarity ranking of Global Rank 3 and State Rank 3. The Global Rank 3 indicates this vegetation community is at a moderate risk of extinction or collapse due to a fairly restricted range, relatively few populations or occurrences, recent widespread decline, threats, or other factors. State Rank 3 indicates this vegetation community is vulnerable, at moderate risk of extinction, has a restricted range, and there are few populations left.

4.3.3 City of Yucaipa's Mountain Forest and Valley Tree Conservation Ordinance

The City of Yucaipa's Mountain Forest and Valley Tree Conservation Ordinance Chapter 3 Section 89.0301-89.0315 states all native trees (except for oak trees) with a six-inch or greater stem diameter, measured at 4.5 feet above the average ground level of the tree base, growing on private land within the City of Yucaipa and on public land owned by the City of Yucaipa shall first obtain approval from the City prior to removal. In addition, three or more trees in linear plantings which are 50 feet or greater in length within established windrows or parkway plantings shall be considered heritage trees and shall be subject to the provisions of this ordinance regarding trees. One native tree, blue elderberry (*Sambucus cerulea*), meets the native tree criteria and no trees on site meet the heritage tree criteria per the City's Mountain Forest and Valley Tree Conservation ordinance. Therefore, approval from the City of Yucaipa for tree removal of the blue elderberry tree on the northwest corner of the site is required. With the implementation of MM BIO-1, impacts to the species per the City ordinance would be less than significant.

4.3.4 City of Yucaipa's Oak Tree Conservation Ordinance

The City of Yucaipa's Oak Tree Conservation Ordinance Chapter 5 Section 89.0515 states a permit would be required if an oak tree is proposed for cut, removal, encroachment into the protected zone, or relocation on any public or private property within the City per the City of Yucaipa Oak Tree Conservation ordinance.

The ordinance defines "oak" trees as follows:

> Oak Tree. Any oak tree of the genus Quercus except for Scrub oak (*Quercus dumosa*)

No oak trees were observed within the Project Footprint. Therefore, a tree removal permit through the City of Yucaipa is not required.

4.3.5 Plants

A total of 73 plant species were observed within the Project Footprint during the biological surveys and are listed in Appendix C.

4.3.5.1 Sensitive Plant Species Occurring Onsite

No sensitive plant species were observed within the Project Footprint during the rare plant survey or any of the biological surveys.

4.3.5.2 Sensitive Plant Species with Potential to Occur

Sensitive plant species include federally or state listed threatened or endangered species and those species listed on CNPS's rare and endangered plant inventory. Species with the potential to occur onsite were analyzed based on distribution, habitat requirements, and existing site conditions, and are listed in Appendix D. All special status species of plants analyzed exhibit a low potential to occur within the Project Footprint. No sensitive plant species were observed within the Project Footprint during the surveys, including the rare plant survey.

4.4 Project Impacts

4.4.1 Potential Impacts to Vegetation Communities

Potential impacts to vegetation communities/land cover types due to implementation of the proposed Project within the Project Footprint are shown below in Table 2 and depicted in Figure 5, *Vegetation/ Land Cover Map*.

Table 2. Potential Impacts to Vegetation Communities

Vegetation Community/Land Cover Type	Acres
Developed	0.78
Disturbed Maintained Land	7.61
Scalebroom Scrub - *Lepidospartum squamatum* Shrubland Alliance (G3/S3)	9.80
TOTAL	18.24

Direct impacts to Scalebroom Scrub - *Lepidospartum squamatum* Shrubland Alliance (G3/S3) due to Project implementation would occur. Approximately 9.81 acres of impacts to Scalebroom Scrub would occur within the Project Footprint. This vegetation community is considered a sensitive vegetation community by CDFW. The patches of Scalebroom Scrub are surrounded by disturbed/maintained paths and the overall Project Footprint is surrounded by development with the exception of the open space east of the site. With the implementation of MM BIO-2, impacts to scalebroom scrub would be considered less than significant.

Direct impacts to developed and disturbed maintained land in the Project Footprint are considered less than significant due to the dominance of non-native vegetation which provides marginal habitat value for wildlife and does not include CNDDB or CDFW sensitive plant communities.

Indirect impacts to plant communities can result in secondary consequences for those communities. Activities within the Project Footprint could result in indirect impacts to the vegetation communities surrounding the directly impacted areas. Examples of indirect impacts to plant communities include the effects of fugitive dust created by construction activities and the spread of invasive species. With development, the "edges" of vegetation communities may be exposed and more susceptible to invasion by invasive species (introduced by planted landscaping, seed dispersal from cars, people, and/or pets, and/or wind). Additionally, construction-related erosion, runoff, sedimentation, soil compaction, and alteration of drainage patterns that may affect plants by altering site conditions so that the location in which they are growing becomes unfavorable are prohibited by federal and state laws; compliance with the requirements under these federal and state laws will reduce the potential for significant indirect impacts to below significance. The Project Footprint is surrounded by roadways and development. Native vegetation is found in the surrounding area, particularly east of the site, however, the native vegetation is surrounded by non-native species potentially due to previous impacts from the construction of basins and the channelization of Wilson Creek, therefore further indirect impacts to plant communities are not expected.

4.4.2 Potential Impacts to Special Status Plants

No special status plants were observed during the biological surveys. Therefore, no impacts to Special Status Plants are expected to occur. No trees within the Project Footprint are considered Heritage trees. However, one native tree was observed, a blue elderberry tree with a DBH greater than six inches, which is considered a Native tree. Therefore, approval from the City of Yucaipa for tree removal of the blue elderberry tree on the northwest corner of the site is required per the City of Yucaipa's Mountain Forest and Valley Tree Conservation Ordinance. With the implementation of MM BIO-1, impacts to the species per the City ordinance would be less than significant. No oak trees were observed within the Project Footprint. Therefore, a tree removal permit through the City of Yucaipa is not required per the City of Yucaipa's Oak Tree Conservation Ordinance.

4.4.3 Potential Impacts to Critical Habitat

No critical habitat exists within 2 miles of the Project Footprint. The nearest critical habitat is San Bernardino Merriam's kangaroo rat (*Dipodomys merriami parvus*) and Santa Ana Sucker (*Catostomus santaanae*) critical habitat located approximately 2.5 miles northwest of the Project Footprint and Southwestern willow flycatcher (*Empidonax traillii extimus*) critical habitat located approximately 3 miles east of the Project Footprint. There will be no impacts to any USFWS designated Critical Habitat for wildlife species resulting from the Project.

5.0 WILDLIFE

5.1 Literature Review

Wildlife species are afforded the "special status" title by federal agencies, state agencies, and/or non-governmental organizations because of their recognized rarity, potential vulnerability to extinction, and local importance. These species typically have a limited geographic range and/or limited habitat and are referred to collectively as "special status" species. Wildlife species are considered "special status" species if they meet any of the following criteria:

- Taxa with official status under ESA or CESA.
- Taxa proposed for listing under ESA and/or CESA.
- Taxa designated a species of special concern by CDFW.
- Taxa designated a state fully protected species by CDFW.
- Taxa identified as sensitive, unique or rare, by the USFWS, CDFW, USFWS, and/or BLM.
- Taxa that meet the definition of rare or endangered under the CEQA §15380(b) and (d).
- Species considered locally significant; that is, a species that is not rare from a statewide perspective but is rare or uncommon in a local context such as within a county or region (CEQA §15125 (c)) or is so designated in local or regional plans, policies, or ordinances. Examples include a species at the outer limits of its known range.

Special status wildlife species that have the potential to occur within the immediate region of the Project Footprint were identified. Several agencies, including the USFWS and CDFW, publish lists of particular taxa (species and subspecies) and their associated level of protection or concern. Reviewed and consulted literature and databases focused on the Project Footprint and included the following sources listed below:

- The CNDDB was used to identify any special status wildlife that may exist within a two-mile radius of the Project Footprint (Figure 6, *CNDDB Occurrences Map*; CDFW 2024a). CNDDB records are generally used as a starting point when determining what special status species, if any, may occur in a particular area. However, these records may be old, lack data not yet entered, and do not represent all the special status species that could be in that particular area.
- A map of USFWS critical habitat to determine species with critical habitat mapped in the general vicinity of the Project (USFWS 2024a).
- The USFWS's Information for Planning and Consultation (IPaC) online tool identifies species and critical habitat under USFWS jurisdiction that are known or expected to be on or near the Project area (USFWS 2024b).
- Pertinent maps, scientific literature, websites, and regional flora and fauna field guides.

The literature review provided a baseline from which to inventory the biological resources potentially occurring within the Project Footprint, as well as the surrounding area. Although the inventory list of special status wildlife species was not exhaustive of all species that might be of concern for the property, it provided a wide range of species that are representative of the wildland habitats in the area. Species occurrence and distribution information is often based on documented occurrences where opportunistic

surveys have taken place; therefore, a lack of records does not necessarily indicate that a given species is absent from the Study Area.

5.2 Field Methodology

The location of the Project is within the general distributional range of several special status wildlife species. The purpose of the September 2021 biological survey, November 2024 field survey, March – June 2022 burrowing owl (*Athene cunicularia*; BUOW) habitat assessment and focus surveys, December 2021 – April 2022 CAGN non-breeding season protocol surveys, and June 2022 SBKR protocol-level trapping surveys was to note whether or not those species were observed, determine general site conditions, and identify habitat areas that could be suitable for special status wildlife species.

All wildlife species encountered visually or audibly during the field survey were identified and recorded in field notes. Signs of wildlife species including wildlife tracks, burrows, nests, scat and remains were also recorded. Binoculars were used to aid in the identification of observed wildlife and in areas not accessible on foot. Wildlife field guides and photographs were used to assist with identification of wildlife species during the field survey, as necessary. A general one-day survey cannot be used to conclusively determine presence or absence of a species; therefore, assessments of presence/absence and potential for occurrence were made based on presence of suitable habitat to support the species, diagnostic signs (burrows, scat, tracks, vocalizations, and nests), known records or occurrence within the area, known distribution and elevation range, and habitat utilization from the relevant literature. Species with potential following the one-day assessment were then surveyed for as part of the focus surveys to determine what level of potential to occur on the Project Footprint exists for the species.

5.2.1 Burrowing Owl Habitat Assessment and Focused Surveys

The burrowing owl habitat assessment was performed by VCS biologists Carla Marriner and Sierra Valladares on March 22. The first of four focused BUOW surveys was also conducted simultaneously with the habitat assessment. It was determined the Study Area hosted suitable habitat for burrowing owls; therefore, the remaining three focused surveys were conducted. The BUOW focused surveys were conducted on May 9, May 31, and June 23, 2022 by VCS biologists Carla Marriner, Sierra Valladares, Nathalie Munoz, and VCS staff Kathy Douglas. The BUOW survey methodology is detailed in the BUOW survey report (2024) (Appendix E, Focused Burrowing Owl Survey Report). The surveys followed the methodology in Appendix D of the *Staff Report on Burrowing Owl Mitigation* (*Staff Report*) (CDFW 2012) guidelines. The habitat assessment and focused burrowing owl surveys involved walking through the Study Area depicted in Figure 7, *Burrowing Owl Location Map*. Any inaccessible areas (e.g., due to safety or not granted legal access), were surveyed with the use of binoculars.

All encountered burrows or structure entrances were checked for the presence of BUOWs, molted feathers, cast pellets, prey remains, eggshell fragments, tracks, or excrement at or near a burrow entrance. Natural or man-made structures and debris piles that could support BUOWs were also surveyed. All burrows were monitored at a short distance from the entrance, and at a location that would not interfere with owl behavior. All burrow locations were recorded using GPS technology. The surveys were not conducted during rain, high winds (> 20 miles per hour), dense fog, or temperatures above 90-degree Fahrenheit (°F). Surveys were conducted between morning civil twilight and 10:00am to increase the probability of detecting BUOW within the Project Footprint.

5.2.1.1 Burrowing Owl Listing

A petition was filed on March 5, 2024 by six conservation groups with the California Fish and Game Commission to request legal protections for five populations of western burrowing owl (*Athene cunicularia hypugaea*) under the California Endangered Species Act. The petition requests endangered status for the burrowing owl populations in southwestern California, central-western California, and the San Francisco Bay Area, and a threatened status for burrowing owl populations in the Central Valley and southern desert range. At the time of this document, BUOW is a candidate endangered species and would receive the full protections as a California listed endangered species and would require an Incidental Take Permit (ITP) if found within the Project Footprint. Compliance would be maintained with focused surveys, which have been conducted and confirmed no burrowing owl occupation to date, and through a pre-construction survey. If burrowing owl is found during the pre-construction survey, agency coordination and acquiring an ITP would be required.

5.2.2 Coastal California Gnatcatcher Breeding Season Protocol Surveys

Non-breeding season protocol surveys for the federally threatened CAGN were conducted by Kidd Biological, Inc. (KBI) within the Project Footprint. The CAGN survey methodology is detailed in the CAGN survey report (2022) (Appendix F, Coastal California Gnatcatcher Survey Report). Surveys were conducted during the species' non-breeding season in accordance with USFWS guidance (USFWS 1997). A total of nine breeding season protocol surveys for the CAGN were conducted by USFWS permitted biologist, Jason Berkley (USFWS 10a1A permit #009015-5) and Scott Thomas (USFWS 10a1A permit #036550-6), between December 2, 2021 and April 1, 2022. No CAGN were detected during the non-breeding season surveys conducted within the Project Footprint.

5.2.3 San Bernardino Kangaroo Rat Protocol Presence/Absence Trapping Surveys

Presence/absence trapping surveys for the federally endangered SBKR were conducted by Cereus Environmental contracted by KBI within the Project Footprint. The SBKR trapping methodology is detailed in the SBKR report (2022) (Appendix G, San Bernardino Kangaroo Rat Survey Report). Trapping surveys were conducted according to the USFWS protocols established for SBKR. Trapping was conducted for five consecutive nights, when the animal is active above ground. SBKR trapping surveys were conducted by Jason Berkley, who holds a USFWS permit to trap and handle SBKR, and to conduct field studies on sensitive small mammals in southern California (TE-00901505), and a CDFW Scientific Collection Permit and Memorandum of Understanding to trap small mammals. No SBKR were caught during the trapping surveys.

5.3 Results

Representative photographs of the Project Footprint are included in Appendix A. The wildlife species or signs thereof observed within the Project Footprint during the field survey are listed in Appendix C.

5.3.1 Sensitive Wildlife Species with Potential to Occur

Sensitive wildlife species include the following classifications: federally or state listed threatened or endangered species, California species of special concern, and fully protected and protected species (as designated by CDFW). Species with the potential to occur onsite were analyzed based on distribution, habitat requirements, and existing site conditions.

SPECIES CONFIRMED PRESENT

Three special status animal species, Southern California rufous-crowned sparrow (*Aimophila ruficeps canescens*), northwestern San Diego pocket mouse (*Chaetodipus fallax fallaxi*), and San Diego desert woodrat (*Neotoma lepida intermedia*), were observed within the Project Footprint during the 2021, 2022, and 2024 biological surveys and are further discussed in Section 5.3.1.1 below.

5.3.1.1 Southern California rufous-crowned sparrow

Southern California rufous-crowned sparrow is a Watch List species meaning it was previously designated a "Species of Special Concern" but no longer qualifies as such. This species is found on moderate to steep, dry, grass-covered hillsides, coastal sage scrub, and chaparral, and often occurs near the edges of the denser scrub and chaparral associations. Southern California rufous-crowned sparrow was observed during the 2021-2022 CAGN protocol non-breeding surveys. Through incorporation of mitigation detailed in MM BIO-3, potential direct and indirect temporary impacts to this species associated with construction activities (e.g., noise, dust, vegetation removal) would be less than significant. Long-term, permanent impacts to onsite nesting and foraging habitat would be considered less than significant as this species is capable of relocating to other areas with suitable habitat in the region.

5.3.1.2 Northwestern San Diego pocket mouse

Northwestern San Diego pocket mouse was previously designated a "Species of Special Concern" but no longer qualifies as such. The species is currently globally ranked as G5T3T4 and state ranked as S3S4. This species inhabits coastal sage scrub, sage scrub/grassland ecotones, and chaparral communities. Habitats tend to be stony soils above sandy desert fans and rocky areas within shrub communities such as coastal sage scrub, chamise-redshank chaparral, mixed chaparral, sagebrush, desert wash, desert scrub, desert succulent scrub, pinyon-juniper, and annual grassland. This species seeks cover in rocky/gravelly areas with a yucca overstory. Northwestern San Diego pocket mouse was observed during the SBKR 2022 trapping surveys. Through incorporation of mitigation detailed in MM BIO-3, potential direct and indirect impacts to this species associated with construction activities (e.g., noise, dust, vegetation removal) would be less than significant. Long-term, permanent impacts to onsite nesting and foraging habitat would be considered less than significant as this species is capable of relocating to other areas with suitable habitat in the region.

5.3.1.3 San Diego desert woodrat

San Diego desert woodrat is designated by CDFW as a "Species of Special Concern". This species is abundant in rock outcrops and rocky cliffs and slopes with moderate to dense canopies preferred, as well as cactus patches. Their preferred habitats include Joshua tree, pinyon-juniper, mixed chaparral, sagebrush, and most desert habitats. San Diego desert woodrat was observed during the SBKR 2022 trapping surveys. Through incorporation of mitigation detailed in MM BIO-3, potential direct and indirect impacts to this species associated with construction activities (e.g., noise, dust, vegetation removal) would be less than significant. Long-term, permanent impacts to onsite nesting and foraging habitat would be considered less than significant as this species is capable of relocating to other areas with suitable habitat in the region.

SPECIES WITH POTENTIAL

Following a database review, one special status animal species was determined to have at least a moderate or higher potential to occur within the Project Footprint: Crotch's bumble bee (*Bombus crotchii*). Additionally, three special status animal species were determined to warrant focus surveys due to either the presence of suitable habitat or historical nearby occurrences: burrowing owl, coastal California gnatcatcher, and San Bernardino kangaroo rat. All other special status wildlife species analyzed exhibit a

low potential to occur within the Project Footprint and no suitable habitat is present within the Project Footprint (Appendix D). The sensitive species noted above that have potential to occur onsite, and where suitable habitat was present, are described in further detail below. Results of the BUOW, CAGN, SBKR focused surveys are also discussed below.

5.3.1.4 Crotch's Bumble Bee

The Crotch's bumble bee (CBB) is state-listed as a candidate endangered species and is therefore granted full protection of threatened species under CESA. This species' preferred food plants generally include *Antirrhinum*, *Phacelia*, *Clarkia*, *Dendromecon*, *Eschscholzia*, *Eriogonum*, *Lotus*, *Encelia* sp., milk weed, and non-native grassland. CBB generally inhabits large open undisturbed lands. The Project Footprint contains scalebroom scrub with *Phacelia* and *Eriogonum* species and open habitats are present within one mile of the site. Through incorporation of mitigation detailed in MM BIO-4, potential direct and indirect impacts associated with construction activities would be less than significant.

ABSENT SPECIES WITH FOCUS SURVEYS CONDUCTED

All other special status species of wildlife analyzed exhibit a low potential to occur within the Project Footprint (Appendix D, Special Status Species Potential Occurrence Determination). Additional focus surveys conducted for species that were determined absent are detailed below.

5.3.1.5 Burrowing Owl Habitat Assessment and Focused Survey Results

The habitat assessment and four focus surveys for BUOW were performed on March 22, May 9, May 31, and June 23, 2022. Although suitable burrows were observed, no BUOW or signs thereof (feathers, scat, pellets, etc.) were found within the Study Area (Figure 7, *Burrowing Owl Location Map*). The findings indicate BUOW is not expected to occupy the site (Appendix E). Therefore, BUOW is considered absent within the Project Footprint; however, BUOW are known to migrate and colonize previously unoccupied sites. Through incorporation of mitigation detailed in MM BIO-5, potential direct and indirect temporary impacts associated with construction activities (e.g., noise, dust, vegetation removal) to BUOW with potential to colonize the site in the future would be less than significant. No permanent impacts are anticipated since the Project Footprint is not occupied. If the site were to become occupied in the future, agency coordination and acquiring an ITP would be required, which would further reduce potential permanent impacts to less than significant.

5.3.1.6 Coastal California Gnatcatcher Protocol Surveys

CAGN is a CDFW species of special concern as well as federally listed threatened species. CAGN is an obligate, permanent resident of coastal sage scrub below 835 meters in Southern California. They can be found in low, coastal sage scrub in arid washes and on mesas & slopes, however, not all areas classified as coastal sage scrub are occupied. Nine CAGN non-breeding season surveys were completed within suitable habitat within a 500-foot buffer of the Project Footprint. No CAGN were observed or otherwise detected during the surveys. In addition, the site is on the edges of the range of the species and the habitat onsite is only marginally suitable. Furthermore, the site is not connected to areas known to be occupied by the species, so it is highly unlikely that the site will recruit dispersing juveniles or transient adults. Therefore, CAGN is considered absent within the Project Footprint. No temporary or permanent impacts are anticipated since the Project Footprint is not occupied.

5.3.1.7 San Bernardino Kangaroo Rat Protocol Presence/Absence Trapping Surveys

SBKR is a CDFW species of special concern as well as a federally and state listed endangered species. SBKR is typically found in Riversidean alluvial fan sage scrub and sandy loam soils, alluvial fans and flood plains, and along washes with nearby sage scrub, chaparral and even disturbed areas that are associated with alluvial processes. Soil texture is a primary factor in this subspecies' occurrence. The species is also found in open grassland habitats where the sparse vegetation is mainly composed of shrubs, sagebrush, grasses and forbs. Trapping was conducted for five consecutive nights, when the animal is active above ground. A total of five small mammal species were captured during the trapping surveys, two of which are sensitive: Northwest San Diego Pocket Mouse and San Diego wood rat. No SBKR or other federally-listed species were trapped or otherwise detected within the study area. In addition, no SBKR have been documented in the immediate area, and they have not been reported in association with Wilson Creek. Therefore, SBKR is considered absent from the Project Footprint.

All other special status species of wildlife analyzed exhibit a low potential to occur within the Project Footprint (Appendix D).

5.3.2 Critical Habitat

No critical habitat exists within 2 miles of the Project Footprint. The nearest critical habitat is San Bernardino Merriam's kangaroo rat (*Dipodomys merriami parvus*) and Santa Ana Sucker (*Catostomus santaanae*) critical habitat located approximately 2.5 miles northwest of the Project Footprint and Southwestern willolw flycatcher (*Empidonax traillii extimus*) critical habitat located approximately 3 miles east of the Project Footprint. There will be no impacts to any USFWS designated Critical Habitat for wildlife species resulting from the Project.

5.3.3 Wildlife Movement

Wildlife corridors link together areas of suitable habitat that are otherwise separated by rugged terrain, changes in vegetation, or human disturbance. The fragmentation of open space areas by urbanization creates isolated "islands" of wildlife habitat. Corridors effectively act as links between different populations of a species. An increase in a population's genetic variability is generally associated with an increase in a population's health.

Corridors mitigate the effects of habitat fragmentation by:

- Allowing wildlife to move between remaining habitats, which allows depleted populations to be replenished and promotes genetic diversity;
- Providing escape routes from fire, predators, and human disturbances, thus reducing the risk that catastrophic events (such as fires or disease) will result in population or local species extinction; and
- Serving as travel routes for individual wildlife species as they move within their home ranges in search of food, water, mates, and other needs (Fahrig and Merriam 1985, Simberloff and Cox 1987, Harris and Gallagher 1989).

Wildlife movement activities usually fall into one of three movement categories:

- Dispersal (e.g., juvenile animals from natal areas, individuals extending range distributions);
- Seasonal migration; and
- Movements related to home range activities (foraging for food or water, defending territories, searching for mates, breeding areas, or cover).

The Project Footprint is located within a mosaic of developed and undeveloped parcels. The Project Footprint is within the historical braided channel of Wilson Creek, which has been channelized north and west of an access road that borders the Project on these sides. Wildlife species can use the creek and move northeast and south, there is a direct connection through to the other side of the developed portions of Yucaipa. Drainages generally serve as movement corridors because wildlife can move easily through these areas, and fresh water is periodically available. Corridors also offer wildlife unobstructed terrain to forage and allow for the dispersal of young individuals.

Common wildlife species including coyotes, skunks, opossums, and raccoons may travel through the site and neighboring developed areas, but the site does not provide connectivity between large areas of open space on a local or regional scale. The site is not within a significant regional wildlife movement corridor and is not considered to play a role for local or regional wildlife movement. The closest wildlife corridor is located approximately 1.4 miles northeast of the Project Footprint. This is a "Wildlife Corridor" sign along Cherry Croft Drive near its intersection with Oak Glen Road. A sign was installed by the Yucaipa Animal Placement Society (YAPS) as a way to help the community co-exist with wildlife and should not be treated as an official corridor for wildlife (YAPS 2011). Wildlife movement in the Project area will still be possible via Wilson Creek adjacent to the Project Footprint.

5.3.4 Avian Nesting and Bat Roosts

Birds can nest in a variety of different habitats, including disturbed/developed areas, shrubs, trees, burrows, and on the ground. There is potential for avian nesting within the Project Footprint. The scalebroom scrub habitat and associate vegetation on the Project Footprint provide suitable habitat for avian species that nest in shrubs. The other disturbed fields provide suitable nesting habitat for ground-nesting avian species.

There is low potential for bat roosting to occur within the Project Footprint. Biologists did not observe signs of nesting activity or bat roosting within the Project Footprint during the general biological survey. However, there is potential for foraging.

5.4 Project Impacts

5.4.1 Potential Impacts to Special Status Wildlife

Three special status animal species, Southern California rufous-crowned sparrow (*Aimophila ruficeps canescens*), northwestern San Diego pocket mouse (*Chaetodipus fallax fallaxi*), and San Diego desert woodrat (*Neotoma lepida intermedia*) were observed within the Project Footprint during the 2021, 2022, and 2024 biological surveys. Through incorporation of mitigation detailed in MM BIO-3, impacts to this species would be less than significant.

5.4.2 Potential Impacts to Critical Habitat

The Project Footprint does not fall within any critical habitat. Thus, there will be no impacts to critical habitat.

5.4.3 Potential Impacts to Wildlife Movement/Nesting/Bat Roosts

5.4.3.1 Wildlife Movement

As described earlier, the Project Footprint may serve a function in local wildlife dispersal and foraging due to its proximity to Wilson Creek, which is north of the Project Footprint. Wildlife species can use the creek and move northeast and south, there is a direct connection through to the other side of the developed portions of Yucaipa. The site doesn't play a major role in wildlife movement as it is bordered by paved roads to the east and south and the site is within a relatively developed area. Any wildlife movement through the area is still possible by way of Wilson Creek adjacent to the site, therefore any direct or indirect impact to wildlife movement would be less than significant.

5.4.3.2 Nesting Birds and Bat Roosting

The Project Footprint has the potential to support nesting birds. Due to the potential for onsite bird nesting, Project construction could result in impacts to nesting birds that would be in violation of the MBTA and FGC. Recommended measures/conditions of approval to avoid impacts to nesting birds if construction activities are to take place during the nesting season, including preconstruction surveys, are outlined in Section 8.0 (*Mitigation Measures/Conditions of Approval and Best Management Practices (BMPs) Recommendations*) of this report. These measures would reduce potential impacts to nesting birds to less than significant.

The potential for bat roosting is low within the Project Footprint, while the existing vegetation onsite may represent suitable foraging habitat; however, this impact on foraging habitat would be less than significant given the availability of habitat remaining in the region. Therefore, no mitigation would be required.

6.0 JURISDICTIONAL WATERS

6.1 Literature Review

The following sources were reviewed to determine the potential presence or absence of jurisdictional streams/drainages, wetlands, lakes, and their location within the watersheds associated with the Project Footprint, and other features that might contribute to federal or state jurisdictional authority located within watersheds associated with the Project Footprint:

- National Wetlands Inventory (NWI) maps (USFWS 2024c) (Figure 8, *National Wetlands Inventory (NWI) Map*). The NWI database indicates potential wetland areas based on changes in vegetation patterns as observed from satellite imagery. This database is used as a preliminary indicator of wetland habitats because the satellite data are not precise;
- USGS National Hydrography Dataset. Provides the locations of "blue-line" streams as mapped on 7.5-Minute Topographic Map coverage;
- Aerial Imagery;
- USGS 7.5-Minute Topographic Maps; and
- Natural Resource Conservation Service (NRCS) Soil Survey (NRCS 2024) (Figure 9, *Soils Map*).

6.2 Field Methodology

During the field September 1, 2021 and November 8, 2024 surveys, the Project Footprint was assessed for jurisdictional wetland WOUS, using the methodology published in the USACE 1987 Wetland Delineation Manual (USACE 1987) and the Arid West Supplement (USACE 2008). The Project Footprint was also assessed for jurisdictional non-wetland WOUS, as determined through the observation of an Ordinary High Water Mark (OHWM) which is defined as the "line on the shore established by the fluctuation of water and indicated by physical characteristics such as a clear, natural line impressed on the bank, shelving, changes in the character of soil, destruction of terrestrial vegetation, the presence of litter and debris, or other appropriate means that consider the characteristics of the surrounding areas."

The following guidance documents were utilized in making this determination:

- Field Guide to OHWM Determinations in the Arid West (USACE August 2008);
- Updated OHWM Datasheet for the Field Guide to OHWM Determinations in the Arid West (USACE July 2010); and
- Ordinary High Flows and the Stage-Discharge Relationship in the Arid West Region (USACE 2011).

Additionally, on May 25, 2023, the United States Supreme Court issued its decision in Sackett v. Environmental Protection Agency, narrowing the scope of federal jurisdiction over wetlands under the Clean Water Act to "relatively permanent bod[ies] of water connected to traditional interstate navigable waters); and second, that … have a continuous surface connection with that water" (*Sackett v. EPA*, No. 21–454 (2023)). Based on this ruling, it is anticipated that the waters onsite will no longer be considered Waters of the U.S.

The Project Footprint was assessed for jurisdictional WOS during the field survey using guidance from the May 28, 2020 RWQCB updated definition of a wetland to include areas that have hydric soils and wetland

hydrology but lack hydric vegetation (e.g., vernal pools) and Section 1600 of the FGC and Brady and Vyverberg (2013), which defines a stream as "a body of water that flows perennially or episodically and that is defined by the area in which water currently flows, or has flowed, over a given course during the historic hydrologic course regime, and where the width of its course can reasonably be identified by physical or biological indicators".

6.3 Results

6.3.1 National Wetland Inventory

The NWI Mapper identifies one feature on the Project Footprint, defined as follows:

- NWI Feature 1: Riverine habitat classified as R4SBC (Riverine, Intermittent, Streambed, Seasonally Flooded).

A majority of NWI Feature 1 is north of the Project Footprint, however, it overlaps with the site on the northeast corner of the Project Footprint. Following the field review, NWI Feature 1 was determined to not overlap with the Project Footprint. The description given above for NWI Feature 1 is primarily accurate based on the field review.

6.3.2 Hydrology

The Project Footprint is located in the Yucaipa Watershed. The Project Footprint is currently south of Wilson Creek. An access road divides Wilson Creek and the Project Footprint. One storm drain on the southwest corner of the site directs runoff from Bryant Street to flow via a pipe under the access road and into Wilson Creek. Rainfall on the majority of the Project Footprint primarily drains into the soil.

6.3.3 Soils

The United States Department of Agriculture NRCS (NRCS 2024) identifies 2 soil types present within the Project Footprint (Figure 9, *Soils Map*):

- Psamments, Fluvents and Frequently Flooded Soils: Psamments, Fluvents, and Frequently Flooded Soils (Ps) is characterized as fine sand, sandy, and stratified gravelly sand to gravelly loamy sand. The soils consist of somewhat excessively drained soils that formed from sandy alluvium and alluvium sources. They are typically found in drainageways. This soil is found along the northern and western perimeter of the Project Footprint.
- Tujunga Loamy Sand, 0 to 5 percent slopes: Tujunga Loamy Sand (TuB) is mostly characterized as loamy sand with a parent material of alluvium derived from granite with Tujunga, gravelly loamy sand and Hanford, sandy loam. The soil is typically in alluvial fans and is found within a majority of the Project Footprint.

6.3.4 Jurisdictional Waters

Analysis of historical and aerial photographs did not reveal any jurisdictional features within the Project Footprint (Figure 10, *Jurisdictional Waters Map)*. The topography of the site is generally flat and has historically been significantly disturbed. This site was heavily disturbed in the past due to vegetation removal and soil disturbance. There is evidence of minor erosional features across the site, however, they do not have a defined bed and bank nor do they exhibit evidence of recent flows connecting to downstream jurisdictional waters. Therefore, the areas of erosion are determined to be non-jurisdictional waters.

Therefore, no WOUS under the jurisdiction of the USACE and/or WOS under the jurisdiction of CDFW and RWQCB were found within the Project Footprint.

7.0 NCCP/HCP CONSISTENCY ANALYSIS

The Project Footprint is not located within the boundary of an adopted Habitat Conservation Plan (HCP) or Natural Community Conservation Plan (NCCP).

8.0 MITIGATION MEASURES/CONDITIONS OF APPROVAL AND BEST MANAGEMENT PRACTICES (BMPS) RECOMMENDATIONS

8.1 Mitigation Measures/Conditions of Approval

The following Mitigation Measures/Conditions of Approval are recommended, or as otherwise modified by the lead agency and/or participating responsible and trustee agencies.

MM BIO-1: City of Yucaipa's Mountain Forest and Valley Tree Conservation Ordinance. One Native tree, a blue elderberry tree (*Sambucus cerulea*) was observed within the Project Footprint. Therefore, approval from the City of Yucaipa for tree removal of the blue elderberry tree is required per the City of Yucaipa's Mountain Forest and Valley Tree Conservation Ordinance.

MM BIO-2: Scalebroom Scrub. Impacts to 9.81 acres of scalebroom scrub, a state designated S3 sensitive natural community, will be mitigated through the acquisition or preservation or planting of scalebroom scrub habitat at a 1:1 ratio, which will be protected in perpetuity. Documentation of the scalebroom scrub will be provided to the City prior to grading.

MM BIO-3: Nesting Bird Season Restrictions and Pre-Construction Surveys. The clearance of vegetation construction shall occur outside of the nesting bird season (nesting bird season defined herein as January 15 through September 15), if feasible. If vegetation removal and/or demolition outside this time period is not feasible, the following additional measures shall be employed to avoid impacts to nesting birds protected under the MBTA and California Fish and Game Code (CFGC).

A pre-construction nesting bird survey shall be conducted by a qualified biologist (i.e., a biologist familiar and experienced with the identification and life histories of wildlife and plant species in southern California) within three days (72 hours) prior to the start of construction activities to determine whether active nests are present within or directly adjacent to the construction zone. Nests found shall be recorded and an appropriate buffer shall be established based on field conditions, the nature of work, and the bird species (typically 300 feet of an active nest of any passerine bird or within 500 feet of an active nest of any raptor or sensitive species). A qualified biologist shall monitor the nest on a bi-weekly (twice a week) basis, or at a frequency necessary to adequately monitor potential impacts to the active nest and to postpone construction activity, as needed, until the biologist determines that the nest is no longer active.

If the recommended nest avoidance buffer zone is not feasible, the qualified biologist shall provide justification on a case-by-case basis if a buffer reduction is possible, taking into consideration the location of work and type of activity, distance of nest from work area, surrounding vegetation, and line-of-sight between the nest and work areas, tolerance of species to disturbance, and observations of the nesting bird's reaction to construction activities (including light, noise, dust, and human presence).

If the biologist determines nesting activities may fail as a result of work activities, work activities shall be modified or shall temporarily cease within the recommended no disturbance buffer until the biologist determines the adults and young are no longer reliant on the nest site.

Buffers shall be delineated (by or under the supervision of a qualified biologist) onsite with bright flagging, for easy identification by staff and the construction team. The perimeter of the buffer shall be flagged so as not to draw predator attention to the direct location of the nest itself and flagging will be minimized where feasible. The onsite construction supervisor and operator staff shall be notified of the nest and the buffer limits to ensure it is maintained.

The indirect impacts of night-time construction lighting on nesting birds outside the construction limits shall be reduced by shielding or directing construction lighting to avoid light encroachment into adjacent habitats.

All wildlife will be allowed to safely leave the site and/or be relocated by the qualified biologist in the event they are observed during the pre-construction survey and/or grading.

MM BIO-4: Crotch Bumble Bee. Before initial vegetation removal and ground disturbing activities, a pre-construction survey for Crotch bumble bee will be conducted within the Project Footprint and an appropriate survey buffer by a qualified biologist with experience surveying for and observing Crotch bumble bee. If Crotch bumble bees are determined to be present within the Project Footprint and it is determined the species will be impacted by Project implementation, an Incidental Take Permit (ITP) will be processed with CDFW, including all appropriate mitigation required by CDFW prior to grading.

MM BIO-5: Pre-construction Burrowing Owl Surveys. A pre-construction presence/absence survey for burrowing owl within the Project Footprint where suitable habitat is present shall be conducted by a qualified biologist within 30 days prior to the commencement of ground disturbing activities. The survey shall include the Project Footprint and all suitable burrowing owl habitat within a 500-foot buffer. If ground disturbing activities in these areas are delayed or suspended for more than 30 days after the pre-construction survey, the area shall be resurveyed for owls.

If burrowing owl are identified during the pre-construction survey, the owl shall be avoided and the qualified biologist shall coordinate with the City of Yucaipa Planning Department, to develop a Burrowing Owl Plan to be approved by the City prior to commencing Project activities. The Burrowing Owl Plan shall be prepared in accordance with guidelines in the CDFW Staff Report on Burrowing Owl (March 2012) (CDFW 2012). The Burrowing Owl Plan shall describe proposed avoidance, minimization, relocation, and monitoring as applicable. The Burrowing Owl Plan shall include the number and location of occupied burrow sites and details on proposed buffers if avoiding the burrowing owls and/or information on the adjacent or nearby suitable habitat available to owls for relocation. If no suitable habitat is available nearby for relocation, details regarding the creation and funding of artificial burrows (numbers, location, and type of burrows) and management activities for relocated owls may also be required in the Burrowing Owl Plan. A final letter report shall be prepared by the qualified biologist documenting the results of the Burrowing Owl Plan. The letter shall be submitted to the City prior to the start of Project activities.

Additionally, the Project proponent may be required to obtain a Section 2081 Incidental Take Permit, if burrowing owl are still protected under CESA. The Permittee shall implement the 2081 Incidental Take Permit if required.

If burrowing owls are identified after Project activities have started, then construction activities shall be halted immediately. The Project proponent shall notify the City. As noted above, if a 2081 Incidental Take Permit is required, it shall be obtained and implemented.

8.2 Best Management Practices Recommendations

(1) To avoid attracting predators, the Project Footprint should be kept as clean of debris as possible. All food related trash items should be enclosed in sealed containers and regularly removed from the site(s).

(2) The Permittee, its contractors, subcontractors, employees, and visitors to the site are prohibited from 1) feeding wildlife, 2) bringing domestic pets to the Project Footprint, 3) collecting native plants, or 4) harassing wildlife.

(3) No 2024 California Invasive Plant Council (Cal-IPC) listed invasive species may be incorporated into the landscape plans. Invasive plants are defined as species listed as high or moderate invasive plants in the Cal-IPC California Invasive Plant Inventory Database (https://www.cal-ipc.org/plants/inventory/).

(4) Construction employees should strictly limit their activities, vehicles, equipment, and construction materials to the proposed Project Footprint and designated staging areas and routes of travel. The construction area(s) should be the minimal area necessary to complete the Project and should be specified in the construction plans.

(5) Dust control measures should be implemented to stabilize soil from wind erosion, and reduce dust generated by construction activities.

(6) Silt fencing, siltation basins, gravel bags, or other controls necessary to stabilize soil in cleared and graded areas, should be installed within the outer limits of grading to minimize erosion and siltation during initial vegetation clearing and Project construction. Erosion control measures should be maintained in good condition until completion of construction.

(7) The impact limits should be staked, flagged, or fenced to avoid impacts outside of the Project Footprint.

(8) Night lighting associated with the proposed development that is adjacent to the access road along Wilson Creek would be directed away to reduce potential indirect impacts to wildlife species.

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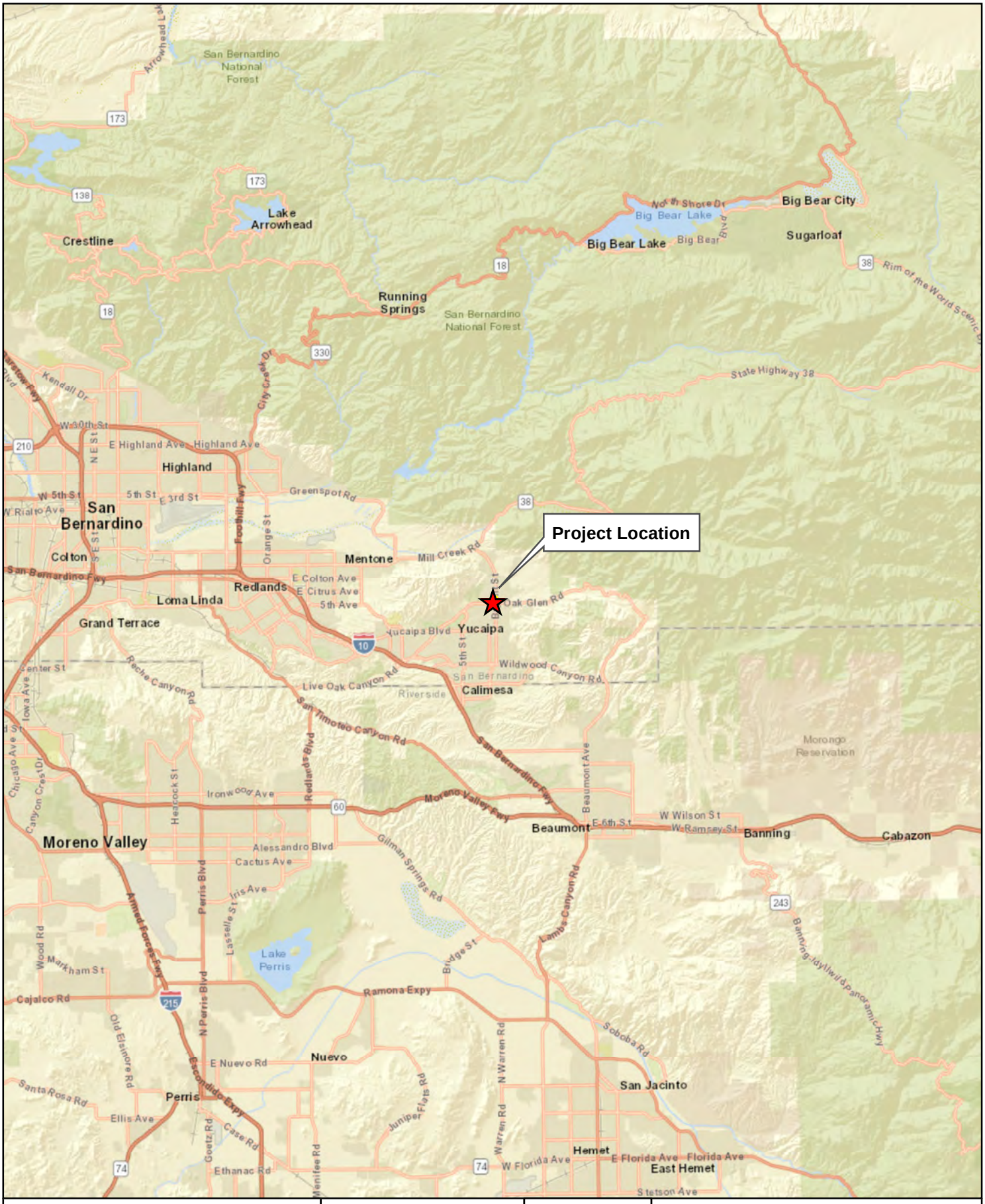
FIGURES



Yucaipa Entertainment

Figure 1

Regional Location



Prepared By:
VCS Environmental

Map Created: December 2024
Data Sources: Blue Engineering

Service Layer Credits: Esri, HERE, Garmin, (c) OpenStreetMap contributors
Source: Esri, Maxar, Earthstar Geographics, and the GIS User

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Oak Glen-Bryant

Figure 2

Aerial Map

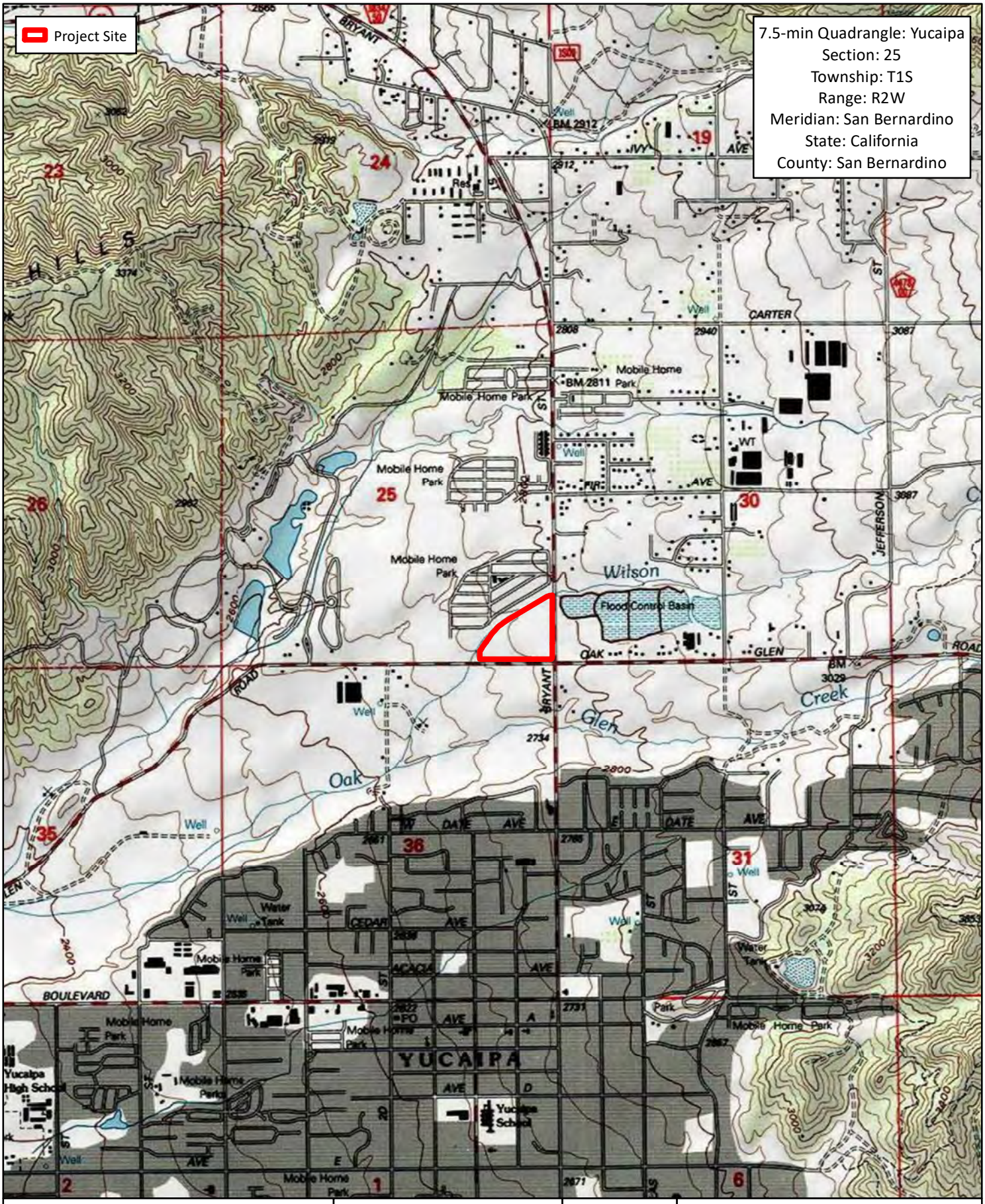

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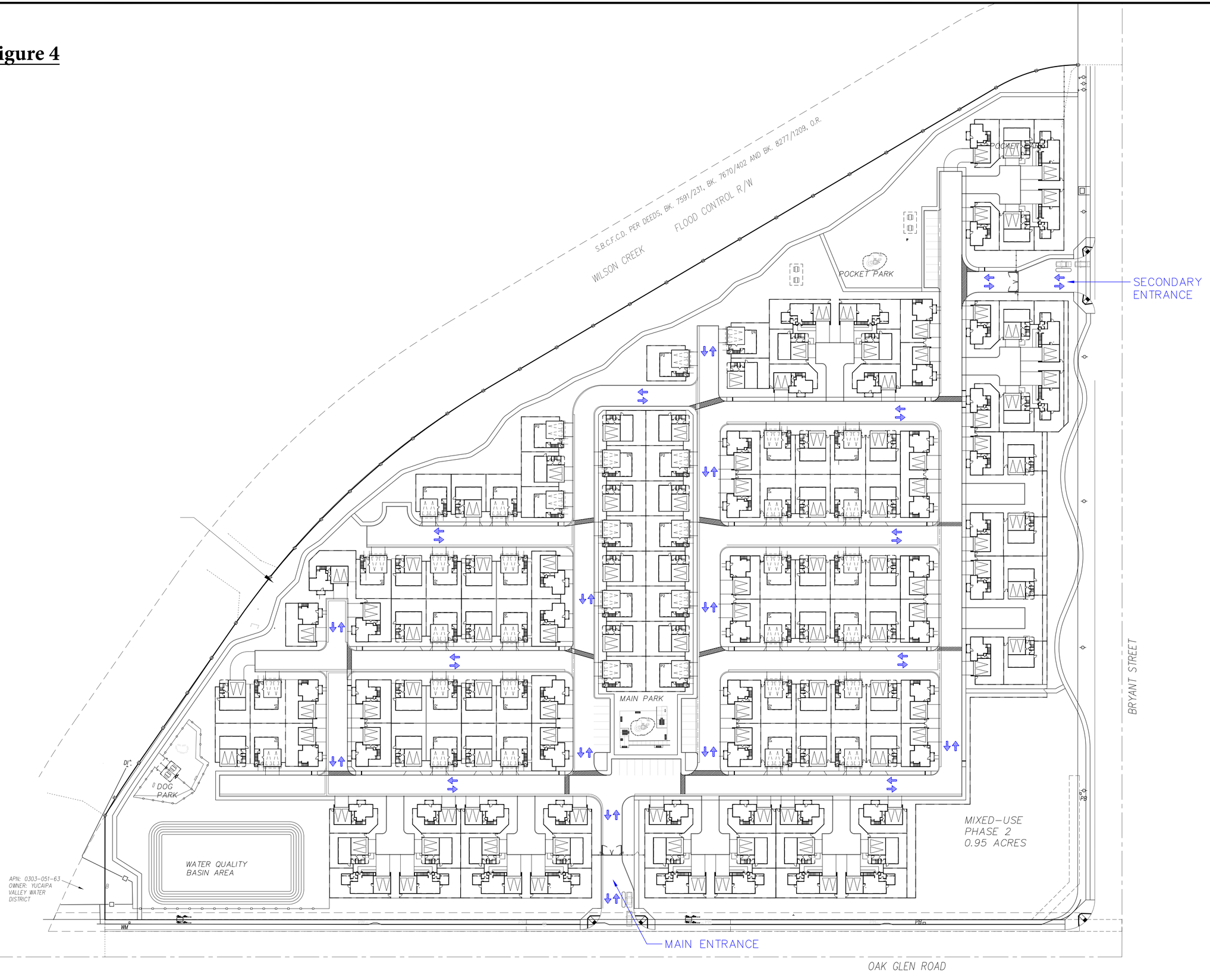
Figure 3 USGS Topographic Map

Figure 4



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YOUR LAND DEVELOPMENT CONSULTANTS
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RANCHO CUCAMONGA, CA 91730
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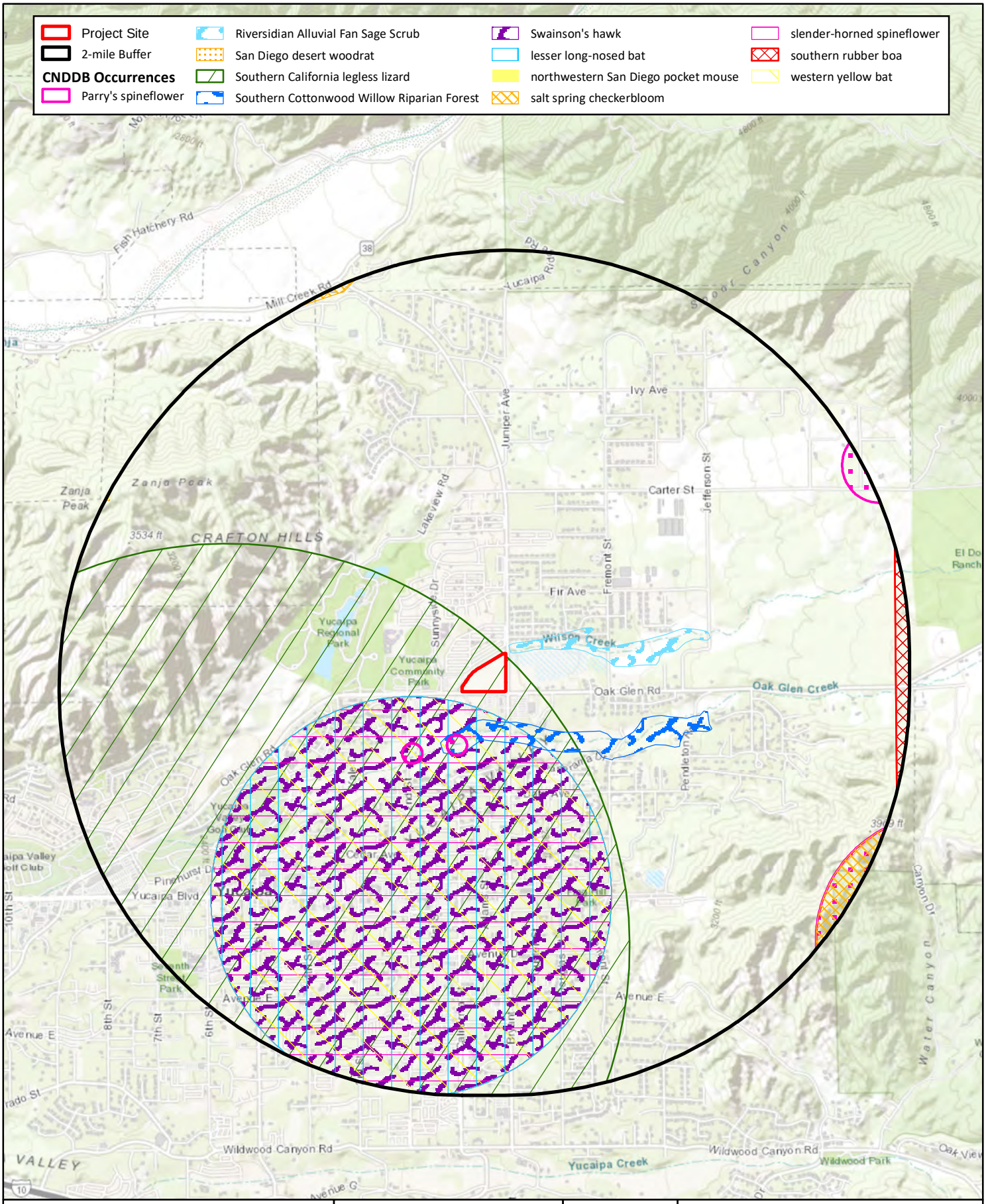
Figure 5

Vegetation / Land Cover Map



Prepared By:
VCS Environmental

Map Created: December 2024
Data Sources: CDFW, Blue Engineering

Service Layer Credits: Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

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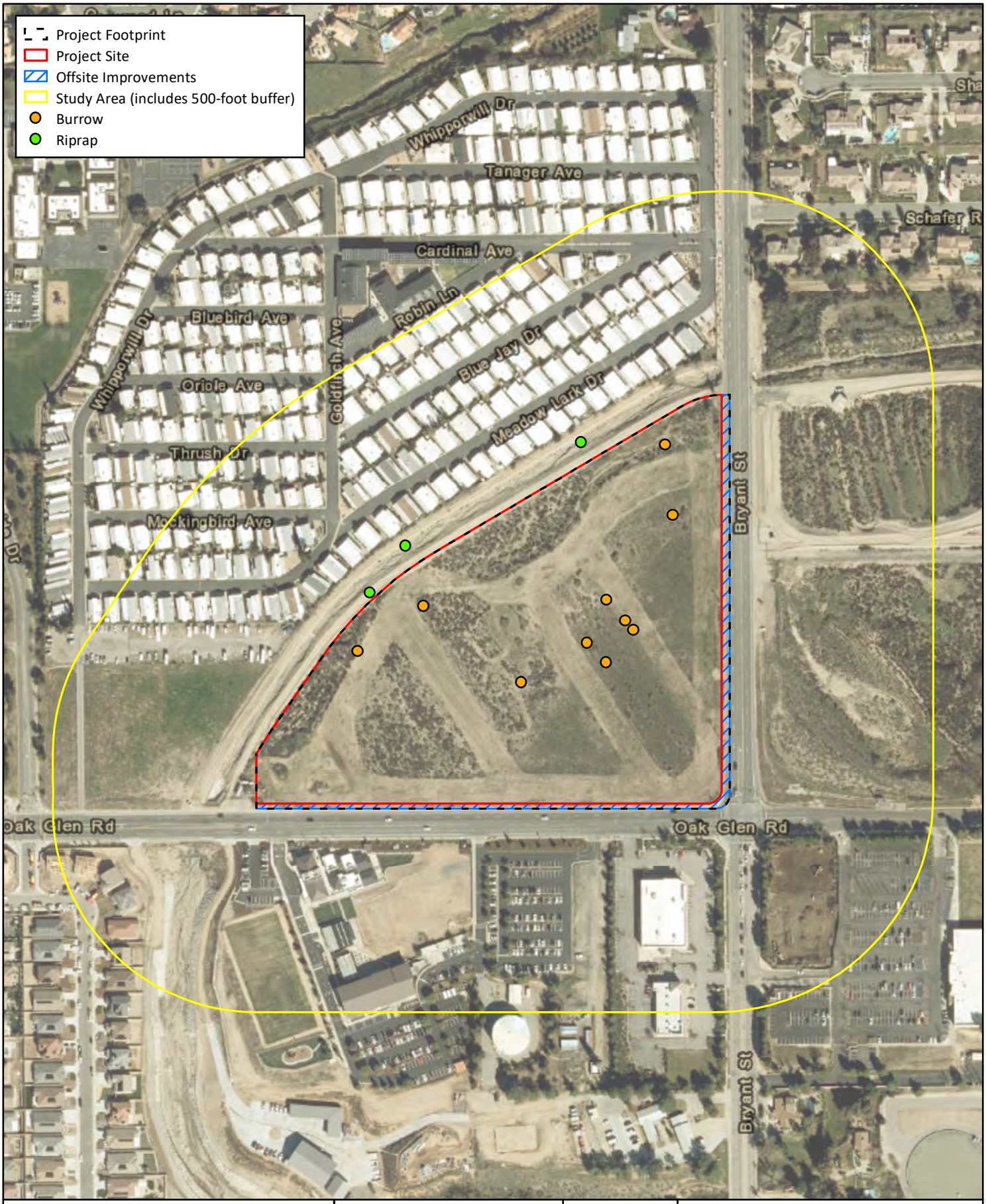
Oak Glen-Bryant

Figure 6 CNDDB Occurrences Map



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Oak Glen-Bryant

Figure 7

Burrowing Owl
Location Map



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Map Created: December 2024
Data Sources: Blue Engineering

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Oak Glen-Bryant

National Wetlands Inventory (NWI)

Figure 8



Prepared By:
VCS Environmental

Map Created: December 2024
Data Sources: USDA, Blue Engineering

Service Layer Credits: Esri, HERE, Garmin, (c) OpenStreetMap contributors
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

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Oak Glen-Bryant

Figure 9

Soils Map



Prepared By:
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Map Created: December 2024
Data Sources: Blue Engineering

Service Layer Credits: Esri, HERE, Garmin, (c) OpenStreetMap contributors
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

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Oak Glen-Bryant

Figure 10

Waters Map

ATTACHMENTS

APPENDIX A
Site Photographs



Photo 1. View of disturbed/maintained land along the southern portion of the Project site. Glen Oak Road to the left; facing west.



Photo 2. View of scale broom scrub vegetation community in the northern portion of the Project site dominated by scale broom and California buckwheat shrubs; facing southwest.



Photo 3. View of Wilson Creek north of the Project site; facing west.



Photo 4. Typical view of the southwestern portion of the Project site, facing northeast.



Photo 5. View of the middle portion of the Project site within the disturbed/maintained land; facing southwest.



Photo 6. View of existing dirt road located in between Wilson Creek (to the right) and the Project site (to the left); facing west.



Photo 7. View of the scale broom scrub habitat in the western portion of the Project site; facing east.



Photo 8. View of a patch of scale broom scrub habitat in the southeastern portion of the Project site; facing north.

APPENDIX B

Rare Plant Survey

CJ Fotheringham
Biological Consultations
53353 29 Palms Hwy
Morongo Valley, Ca. 92256

30 August 2022

VCS Environmental
Biological Services
30900 Rancho Viejo Road, Suite 100
San Juan Capistrano, CA 926752

RE: Yucaipa general and focus rare plant survey

The site was visited on 28 April and 20 May 2022 to conduct focus and general surveys for the presence of any potential special status species. The site has a history of anthropogenic disturbance of including discing and excavation. There is one plant community on site, *Lepidospartum squamatum* Shrubland Alliance (Scale broom scrub). There is an active drainage on the northern edge of the property

A total of 66 species were identified in the course of focus surveys. Species diversity comprised 21 non-natives (32%) and 45 native (68%) species (Table 1).

No special status species were encountered during surveys.

Table 1. Plant species encountered during surveys at the Yucaipa site.

Latin binomial	Vernacular	lifeform	Native ?	Family	Bloom period
Sambucus nigra ssp. caerulea	Blue elderberry	Shrub	Yes	Adoxaceae	Mar-Jul
Agave americana	American century plant	Shrub	No	Agavaceae	-
Amaranthus retroflexus	Rough pigweed	Annual herb	No	Amaranthaceae	Jun-Nov
Ambrosia acanthicarpa	Annual bursage	Annual herb	Yes	Asteraceae	Sep-Nov
Artemisia dracunculus	Tarragon	Perennial herb	Yes	Asteraceae	Aug-Oct
Centaurea benedicta	Blessed thistle	Annual herb	No	Asteraceae	Apr-Jun
Centaurea melitensis	Tocalote	Annual herb	No	Asteraceae	Apr-Aug
Chaenactis	Common	Annual herb	Yes	Asteraceae	Jan-Aug

glabriuscula	yellow chaenactis				
Corethrogyne filaginifolia	Common sandaster	Perennial herb	Yes	Asteraceae	Jun-Oct
Encelia farinosa	Brittlebush	Shrub	Yes	Asteraceae	Jan-May
Helianthus annuus	Common sunflower	Annual herb	Yes	Asteraceae	Jun-Aug
Heterotheca grandiflora	Telegraph weed	Annual, Perennial herb	Yes	Asteraceae	Jan-Dec
Hypochaeris glabra	Smooth cats ear	Annual herb	No	Asteraceae	Mar
Lepidospartum squamatum	Scalebroom	Shrub	Yes	Asteraceae	Apr-Nov
Logfia gallica	Narrowleaf cottonrose	Annual herb	No	Asteraceae	Apr-Jun
Matricaria discoidea	Pineapple weed	Annual herb	Yes	Asteraceae	May-Sep
Pseudognaphalium californicum	Ladies' tobacco	Annual, Perennial herb	Yes	Asteraceae	Jan-Jul
Stephanomeria exigua ssp. deanei	Dean's stephanomeria	Annual herb	Yes	Asteraceae	Jun-Nov
Stephanomeria virgata	Twiggy wreath plant	Annual herb	Yes	Asteraceae	Jul-Oct
Stylocline gnaphaloides	Everlasting stylocline	Annual herb	Yes	Asteraceae	Mar
Tetradymia comosa	Cotton thorn	Shrub	Yes	Asteraceae	Jun-Nov
Amsinckia menziesii	Fiddleneck	Annual herb	Yes	Boraginaceae	Mar-May
Pectocarya linearis	Sagebrush combseed	Annual herb	Yes	Boraginaceae	Mar-May
Phacelia distans	Common phacelia	Annual herb	Yes	Boraginaceae	Mar-Apr
Phacelia ramosissima	Branching phacelia	Perennial herb	Yes	Boraginaceae	May-Aug
Phacelia sp.	phacelia	Annual herb	Yes	Boraginaceae	-
Descurainia pinnata	Yellow tansy mustard	Annual herb	Yes	Brassicaceae	Feb-Jun
Hirschfeldia incana	Mustard	Perennial herb	No	Brassicaceae	Jan-Dec
Sisymbrium officinale	Hedge mustard	Annual herb	No	Brassicaceae	Apr-Jul
Cylindropuntia californica	California cholla	Perennial herb (stem succulent)	Yes	Cactaceae	Apr-Jul
Opuntia littoralis	Western	Perennial	Yes	Cactaceae	May-Jun

	prickly pear	herb (stem succulent)			
Herniaria hirsuta	Herniaria	Annual herb	No	Caryophyllaceae	-
Calystegia macrostegia	Island morning glory	Perennial herb, Vine	Yes	Convolvulaceae	Feb
Cucurbita foetidissima	Missouri gourd	Perennial herb, Vine	Yes	Cucurbitaceae	Jun-Aug
Croton californicus	California croton	Perennial herb	Yes	Euphorbiaceae	Apr-Jul
Croton setiger	Turkey-mullein	Annual herb	Yes	Euphorbiaceae	May-Oct
Acmispon glaber var. brevialatus	Short winged deerweed	Perennial herb	Yes	Fabaceae	Mar-Jul
Acmispon strigosus	Strigose lotus	Annual herb	Yes	Fabaceae	Feb-Jun
Lupinus bicolor	Lupine	Annual, Perennial herb	Yes	Fabaceae	Mar-Jun
Vicia villosa	Hairy vetch	Annual herb, Vine	No	Fabaceae	Feb-Apr
Erodium botrys	Big heron bill	Annual herb	No	Geraniaceae	Feb-Mar
Erodium cicutarium	Red stemmed filaree		No	Geraniaceae	Feb-Jun
Marrubium vulgare	White horehound	Perennial herb	No	Lamiaceae	May-Aug
Salvia apiana	White sage	Shrub	Yes	Lamiaceae	Apr-Jul
Salvia columbariae	Chia sage	Annual herb	Yes	Lamiaceae	Mar-Jun
Claytonia parviflora	Narrow leaved miner's lettuce	Annual herb	Yes	Montiaceae	Feb-May
Camissonia pusilla	Little wiry sun cup	Annual herb	Yes	Onagraceae	May-Jun
Camissonia strigulosa	Contorted primrose	Annual herb	Yes	Onagraceae	Mar-May
Camissoniopsis bistorta	California sun cup	Annual herb	Yes	Onagraceae	Mar-Jun
Camissoniopsis hirtella	Hairy sun cup	Annual herb	Yes	Onagraceae	Apr-Jun
Camissoniopsis intermedia	Intermediate sun cups	Annual herb	Yes	Onagraceae	Apr-May
Eulobus californicus	California primrose	Annual herb	Yes	Onagraceae	Feb-May
Penstemon sp.	Penstemon	Perennial	Yes	Plantaginacea	May-Jul

		herb, Shrub		e	
Avena fatua	Wild oats	Annual grass	No	Poaceae	Apr-May
Bromus diandrus	Ripgut brome	Annual grass	No	Poaceae	Apr-Jun
Bromus rubens	Red brome	Annual grass	No	Poaceae	Feb-Jun
Festuca myuros	Rattail sixweeks grass	Annual grass	No	Poaceae	Feb-May
Schismus barbatus	Old han schismus	Annual grass	No	Poaceae	Mar-Apr
Eriastrum sapphirinum	Sapphire eriastrum	Annual herb	Yes	Polemoniacea e	May-Aug
Navarretia hamata	Hooked navarretia	Annual herb	Yes	Polemoniacea e	May-Jul
Eriogonum fasciculatum	California buckwheat,		Yes	Polygonaceae	Apr-Sep
Eriogonum gracile	Slender buckwheat	Annual herb	Yes	Polygonaceae	May-Sep
Polygonum aviculare	Prostrate knotweed	Annual, Perennial herb	No	Polygonaceae	Jun
Rumex hymenosepalus	Wild rhubarb	Perennial herb	Yes	Polygonaceae	Jan-May
Nicotiana acuminata	Manyflower tobacco	Annual herb	No	Solanaceae	Dec-Jul
Nicotiana glauca	Tree tobacco	Tree, Shrub	No	Solanaceae	Mar-Sep

APPENDIX C

Plant and Wildlife Species Observed within the Project Footprint

Plant Species Observed within the Project Footprint

Scientific Name	Common Name
Adoxaceae	Moschatel Family
Sambucus cerulea	Blue Elderberry
Agavaceae	Agave Family
Agave americana	American Century Plant
Hesperoyucca whipplei	Chaparral Yucca
Amaranthaceae	Amaranth Family
*Amaranthus retroflexus**	Rough pigweed
Asteraceae	Aster, Daisy, or Compositae Family
Ambrosia acanthicarpa	Annual Bursage
Artemisia californica	California Sagebrush
Artemisia dracunculus	California Tarragon
*Centaurea benedicta**	Blessed thistle
*Centaurea melitensis**	Tocalote
Chaenactis glabriuscula	Yellow chaenactis
Corethrogyne filaginifolia	Common sandaster
Helianthus annuus	Sunflower
Heterotheca grandiflora	Telegraph Weed
Heterotheca sessiliflora	False goldenaster
*Hypochaeris glabra**	Smooth cats ear
Lepidospartum squamatum	Scalebroom
*Logfia gallica**	Narrowleaf cottonrose
Matricaria discoidea	Pineapple weed
Pseudognaphalium californicum	California cudweed
Stephanomeria exigua ssp. deanei	Dean's stephanomeria
Stephanomeria virgata	Twiggy wreath plant
Stylocine gnaphaloides	Everlasting stylocine
Tetradymia comosa	Cotton thorn
Boraginaceae	Borage Family
Amsinckia menziesii	Fiddleneck
Pectocarya linearis	Sagebrush combseed
Phacelia distans	Common phacelia
Phacelia ramosissima	Branching phacelia
Brassicaceae	Mustard Family
Descurainia pinnata	Yellow tansy mustard

*Hirschfeldia incana**	Mediterranean hoary mustard
*Sisymbrium officinale**	Hedge mustard
Cactaceae	Cactus Family
Cylindropuntia californica	California cholla
Opuntia littoralis	Western Prickly Pear
Caryophyllaceae	Carnation Family
*Herniaria hirsuta**	Herniaria
Chenopodiaceae	Goosefoot Family
*Salsola australis**	Russian thistle
Commelinaceae	Dayflower Family
Murdannia nudiflora	Doveweed
Convolvulaceae	Morning Glory Family
Calystegia macrostegia	Island morning glory
Cucurbitaceae	Gourd Family
Cucumis anguria	Wild cucumber
Cucurbita foetidissima	Missouri gourd
Euphorbiaceae	Spurge Family
Croton californicus	California croton
Croton setigerus	Turkey mullein
Fabaceae	Pea Family
Acmispon glaber	Deerweed
Acmispon glaber var. brevialatus	Short winged deerweed
Acmispon strigosus	Hairy Lotus
Lupinus albifrons	Silver lupine
Lupinus bicolor	Lupine
*Vicia villosa**	Hairy vetch
Geraniaceae	Geranium Family
*Erodium botrys**	Big heron bill
*Erodium cicutarium**	Coastal heron's bill
Lamiaceae	Mint Family
*Marrubium vulgare**	White horehound
Salvia apiana	California White Sage

Salvia columbariae	Chia sage
Montiaceae	Spring Beauty Family
Claytonia parviflora	Narrow leaved miner's lettuce
Onagraceae	Willowherb Family
Camissonia pusilla	Little wiry sun cup
Camissonia strigulosa	Contorted primrose
Camissoniopsis bistorta	California sun cup
Camissoniopsis hirtella	Hairy sun cup
Camissoniopsis intermedia	Intermediate sun cups
Eulobus californicus	California primrose
Plantaginaceae	Plantain Family
Penstemon sp.	Penstemon
Poaceae	Grasses
*Avena fatua**	Wild oat
*Bromus diandrus**	Ripgut brome
*Bromus rubens**	Red brome
*Bromus madritensis ssp. rubens**	Foxtail brome
*Festuca myuros**	Rattail sixweeks
*Schismus barbatus**	Common mediterranean grass
Polemoniaceae	Phlox Family
Eriastrum sapphirinum	Sapphire eriastrum
Navarretia hamata	Hooked navarretia
Polygonaceae	Buckwheat Family
Eriogonum fasciculatum	California Buckwheat
Eriogonum gracile	Slender Buckwheat
Polygonum aviculare	Prostrate knotweed
*Rumex hymenosepalus**	Wild rhubarb
Solanaceae	Deadly Nightshade Family
*Nicotiana acuminata**	Manyflower tobacco
*Nicotiana glauca**	Tree tobacco

** Non-native species*
† sensitive species

Wildlife Species Observed/Detected within the Project Footprint

Scientific Name	Common Name
Aves	
Accipitridae	Hawks, Kites, Eagles, and Allies
Buteo jamaicensis	Red-tailed Hawk
Aegithalidae	Bushtits
Psaltriparus minimus	Bushtit
Ardeidae	Herons and Bitterns
Ardea alba	Great Egret
Alaudidae	Larks
Eremophila alpestris	Horned Lark
Columbidae	Pigeons and Doves
Columbia fasciata	Band-Tailed Pigeon
Zenaida macroura	Mourning Dove
Corvidae	Jays, Magpies and Crows
Aphelocoma californica	California Scrub Jay
Corvus brachyrhynchos	American Crow
Corvus corax	Common Raven
Cuculidae	Cuckoos and Roadrunners and Anis
Geococcyx californianus	Great Roadrunner
Fringillidae	Finches
Haemorhous mexicanus	House Finch
Spinus psaltria	Lesser Goldfinch
Mimidae	Mockingbirds and Thrashers
Mimus polyglottos	Northern Mockingbird
Toxostoma redivivum	California Thrasher
Odontophoridae	New World Quail
Callipepla californica	California Quail
Passerellidae	New World Sparrows
Aimophila ruficeps	Rufous-crowned sparrow†
Melospiza melodia	Song Sparrow

Melozone crissalis	California Towhee
Pipilo maculatus	Spotted Towhee
Zonotrichia leucophrys	White-crowned Sparrow
Sturnidae	Starling
Sturnus vulgaris	European Starling
Trochilidae	Hummingbirds
Calypte anna	Anna's Hummingbird
Troglodytidae	Wrens
Thryomanes bewickii	Bewick's Wren
Turdidae	Thrushes
Sialia mexicana	Western Bluebird
Tyrannidae	Tyrant-Flycatchers
Sayornis nigricans	Black phoebe
Cricetidae	Rodents
Peromyscus maniculatus	Deer Mouse
Heteromyidae	Kangaroo Mice/Rats and Pocket Mice
Chaetodipus fallax fallax	San Diego Pocket Mouse
Dipodomys simulans	Dulzura kangaroo rat
Leporidae	Rabbits and Hares
Sylvilagus audubonii	Audubon's Cottontail
Muridae	Mice, Rats, and Gerbils
Neotoma lepida†	San Diego Woodrat†

* Non-native species
† sensitive species

APPENDIX D

Special Status Species
Potential Occurrence Determination

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Special Status Species Potential Occurrence Determination

This table summarizes conclusions from analysis and field surveys regarding the potential occurrence of special status species within the Project Footprint. During the field surveys, the potential for special status species to occur within the Project Footprint was assessed based on the following criteria:

- Present: observed on the site during the field surveys, or recorded on-site by other qualified biologists.

- High potential to occur: observed in similar habitat in the region by a qualified biologist, or habitat on the site is a type often utilized by the species and the site is within the known distribution and elevation range of the species.

- Moderate potential to occur: reported sightings in surrounding region, or the site is within the known distribution and elevation range of the species and habitat on the site is a type occasionally used by or typical of the species.

- Low potential to occur: the site is within the known distribution and elevation range of the species but habitat on the site is rarely used by the species or no suitable habitat is present, or there are no known recorded occurrences of the species within or adjacent to the site.

- Absent: a focused study failed to detect the species or the site is outside the known distribution and elevation range of the species.

- Unknown: the species' distributional/elevation range and habitat are poorly known.

Even with field surveys, biologists assess the *probability* of occurrence rather than make a definitive conclusion about species' presence or absence. Failure to detect the presence of the species is not definitive and may be due to variable effects associated with fire, rainfall patterns, and/or season.

Special Status Species: Potential to Occur within the Project Footprint

Scientific Name	*Common Name*	*Status*	*General Habitat Description*	*Potential for Occurrence within the Project Footprint*
PLANTS				
Aphyllon epigalium ssp. notocalifornicum	Southern California galium broomrape	CRPR: 1B.3	Annual herb typically found in open forest understory. Elevation: 1200-1500 meters Blooming period: Jun - July	Absent; Project Footprint lacks suitable habitat and it was not observed during the rare plant survey.
Berberis nevinii	Nevin's barberry	FE, SE, CRPR: 1B.1	Evergreen species of flowering shrub found in a variety of different topographical conditions ranging from nearly flat sandy washes, terraces, and canyon floors to ridges and mountain summits. Associated with mesic habitats and plant communities such as alluvial scrub, chamise chaparral, coastal sage scrub, oak woodland, and riparian scrub or woodland. Endemic to southern California, where it is known from very few occurrences in the chaparral of inland canyons and foothills. Elevation: 70 - 825 meters (CNPS); <650 meters (Jepson eFlora) Blooming period: (Feb)March – June (CNPS); Mar – May (Jepson eFlora)	Absent; Project Footprint is outside of the species elevation range and there are no occurrences within 2 miles of the Project Footprint. It was not observed during the rare plant survey.
Calochortus plummerae	Plummer's mariposa-lily	CRPR: 4.2	Perennial bulbiferous herb endemic to California. Habitat includes granitic, rocky soils within chaparral, cismontane woodland, coastal scrub, lower montane coniferous forest, and valley and foothill grassland. Threatened by development, fire suppression, foot traffic, mining, powerline construction, and recreational activities. Less common at higher elevations. Elevation: < 1700 meters Blooming period: May - July	Absent; Project Footprint lacks suitable habitat and it was not observed during the rare plant survey.
Chorizanthe parryi var. parryi	Parry's spineflower	CRPR: 1B.1, BLMS, FSS	Parry's spineflower occurs within sandy soils within the alluvial chaparral and scrub of the San Gabriel, San Bernardino and San Jacinto Mountains. Elevation: 275 - 1220 meters (CNPS) Blooming period: April - June (CNPS); May – June (Jepson eFlora)	Absent; although scale broom scrub habitat could support the species and there are occurrences within 2 miles of the Project Footprint, this species

Scientific Name	*Common Name*	*Status*	*General Habitat Description*	*Potential for Occurrence within the Project Footprint*
				was not observed during the rare plant surveys conducted in 2022.
Dodecahema leptoceras	slender-horned spineflower	FE, SE, CRPR: 1B.1	Slender-horned spineflower is endemic to southwestern cismontane California, ranging from central Los Angeles County east to San Bernardino County, and south to southwestern Riverside County in the foothills of the Transverse and Peninsular Ranges. Slender-horned spineflower is found in sandy soil in association with mature alluvial scrub that is maintained by periodic flooding and sediment transport. Elevation: 200 - 760 meters (CNPS); 200 – 700 meters (Jepson eFlora) Blooming period: April - June (CNPS); May – June (Jepson eFlora)	Absent; although habitat within scale broom scrub habitat could support the species and there is one recent occurrence within 2 miles of the site (Calflora 2024), the species was not observed during the rare plant survey in 2022.
Eriastrum densifolium ssp. sanctorum	Santa Ana River woollystar	FE, SE, CRPR: 1B.1,	This plant is found only within open washes and early-successional alluvial fan scrub on open slopes above main watercourses on fluvial deposits where flooding and scouring occur at a frequency that allows the persistence of open shrublands. Elevation: 91 – 610 meters (CNPS); < 500 meters (Jepson eFlora) Blooming period: April – September (CNPS); May – Sept (Jepson eFlora)	Absent; Project Footprint provides appropriate habitat for the species; however, this is a distinctive perennial species identifiable throughout the year. The species was not observed during the 2022 rare plant surveys and is unlikely to occur on the Project Footprint. Additionally, the site is outside of the species elevation range.

Scientific Name	*Common Name*	*Status*	*General Habitat Description*	*Potential for Occurrence within the Project Footprint*
Imperata brevifolia	California satintail	CRPR 2B.1, FSS	Perennial rhizomatous herb. Occurs in mesic habitats (wet springs, meadows, streambanks, floodplains); chaparral, coastal scrub, Mojavean desert scrub, alkali meadows, and riparian scrub habitat. Elevation: 0 - 1215 meters (CNPS); < 500 m (Jepson eFlora) Blooming period: September - May	Absent; Project Footprint lacks suitable habitat, and it was not observed during the rare plant survey.
Juglans californica var *californica*	California black walnut / Southern California black walnut	CRPR: 4.2	Perennial deciduous tree endemic to California. Habitat includes alluvial substrates, chaparral, cismontane woodland, coastal scrub, and riparian woodland. Threatened by urbanization, grazing, non-native plants, and possibly by lack of natural reproduction. Elevation: 30 – 900 meters Blooming period: March - August	Absent; species not observed during the rare plant or biological survey.
Juncus duranii	Duran's rush	CRPR: 4.3, G3, S3	A Perennial grass-like herb endemic to California, occurring in wetlands and woodlands. Primarily, it is found along creek banks and other wet places in montane conifer forests. Elevation: 1800 – 2750 m Blooming period: August - September	Absent; Project Footprint lacks suitable habitat and it was not observed during the rare plant survey.
Lepidium virginicum var. robinsonii	Robinson's peppergrass	CRPR: 4.3	Annual herb occurring in dry sandy or thin soils in coastal sage scrub and chaparral. Elevation: 1 – 885 meters (CNPS); < 2800 m (Jepson eFlora) Blooming period: January – July (CNPS); Mar – Jun (Jepson eFlora)	Absent; Project Footprint lacks suitable habitat and it was not observed during the rare plant survey.
Lilium humboldtii ssp. ocellatum	ocellated Humboldt lily	CRPR: 4.2	Ocellated Humboldt lily is associated with riparian corridors in lower montane coniferous forest and coastal chaparral. This species typically occurs on lower stream benches but can also occur on shaded, dry slopes, beneath a dense coniferous canopy and cismontane oak woodland Elevation: Below 1691 meters (CNPS); < 1800 m Blooming period: March – July (August) (CNPS); May – Aug (Jepson eFlora)	Absent; Project Footprint lacks suitable habitat and it was not observed during the rare plant survey.
Muilla coronata	crowned muilla	CRPR 4.2	This species is native to deserts of eastern California and southern Nevada. They are found in Joshua Tree woodland habitat and the slopes of nearby mountains.	Absent; Project Footprint lacks suitable habitat and it

Scientific Name	*Common Name*	*Status*	*General Habitat Description*	*Potential for Occurrence within the Project Footprint*
			Elevation: 1000 – 1600 meters Blooming period: March - April	was not observed during the rare plant survey.
Piperia leptopetala	narrow-petaled rein orchid	CRPR 4.3	Cismontane woodland, lower montane coniferous forest, upper montane coniferous forest. Elevation: < 2200 meters Blooming period: May-July	Absent; Project Footprint lacks suitable habitat and it was not observed during the rare plant survey.
Riversidian Alluvial Fan Sage Scrub		G1 S1.1	Found in low to mid elevations (290-1160 meters). Typically found with coarse sand to very fine sandy loam soils. Occurs on flat to gentle slopes within intermittently flooded washes and alluvial fans. Associated with *Lepidospartum squamatum* (elevation: < 1900 meters)	Moderate; Project Footprint contains scalebroom scrub habitat, however following the general biological survey with botanist CJ Fotheringham, it was determined the vegetation community onsite was scalebroom scrub.
Rupertia rigida	Parish's rupertia	CRPR 4.3	Perennial herb native to California that occurs in yellow pine forests, foothill woodlands, lower montane conifer forests, and chaparral habitats. Elevation: < 2,500 meter (Jepson eFlora) Blooming period: May - June	Absent; Project Footprint lacks suitable habitat and it was not observed during the rare plant survey.
Senecio astephanus	San Gabriel ragwort	CRPR 4.3	A perennial herb found in chaparral and coastal sage scrub habitats as well as oak woodlands. This plant is often found on steep slopes. Elevation: 400 – 1,500 meters (Jepson eFlora) Blooming period: April – June	Absent; Project Footprint lacks suitable habitat and it was not observed during the rare plant survey.

Scientific Name	*Common Name*	*Status*	*General Habitat Description*	*Potential for Occurrence within the Project Footprint*
Sidalcea hickmanii ssp. parishii	Parish's checkerbloom	CRPR: 1B.2	Perennial herb that typically occurs in chaparral, woodland, and open conifer forest. Can occur in open, burned or otherwise disturbed areas as along roadsides. Elevation: 1000-2200 meters	Absent; Project Footprint lacks suitable habitat and it was not observed during the rare plant survey.
Sidalcea neomexicana	Salt Spring Checkerbloom	CRPR: 2B.2 , FSS	It can be found in a diverse number of alkaline/mesic habitat types including chaparral and coastal sage scrub, Yellow Pine Forest, and riparian zones, creosote bush scrub, and alkali flats and other salty substrates. Possibly extirpated from the Western Transverse Ranges (Baldwin et al. 2012). Elevation: 15 – 1530 meters (CNPS); generally < 1500 m (Jepson eFlora) Blooming period: March – June (CNPS); April – June (Jepson eFlora)	Absent; Project Footprint lacks suitable habitat and it was not observed during the rare plant survey.
Southern Cottonwood Riparian Forest			Found within low to mid elevation ranges (85-1274 meters). Typically found on medium sand soils but can occur from fine sand to moderately fine silty clay loam. Occurs within riparian washes often in association the following species: *Populus fremontii* (< 2000 meters), *Baccharis salicifolia* (-30 – 2400 meters) and various *Salix sp.*	Absent; this vegetation community does not occur within the Project Footprint.
Streptanthus campestris	Southern jewel flower	CRPR 1B.3, G3, S3	A perennial herb found in open, rocky conifer forests, woodlands, and chaparral communities of Southern California and Northern Baja California. Elevation: 900 – 2300 m Blooming period: May - June	Absent; Project Footprint lacks suitable habitat and it was not observed during the rare plant survey.
Chorizanthe xanti var. leucotheca	White-bracted spineflower	CRPR 1B.2	Occurs on sand or gravel. Typically, in saltbush communities, pinyon juniper and pine oak woodlands. Elevation: 400-1300 meters Blooming period: April-June	Absent; Project Footprint lacks suitable habitat and it was not observed during the rare plant survey.
ANIMALS				
Invertebrates / Insects				
Bombus crotchii	Crotch bumble bee	SCE, IUCN: EN	Uncommon species of coastal California east towards the Sierras; select food plan genera include *Antirrhinum, Phacelia, Clarkia, Dendromecon,*	Moderate; Project Footprint contains

Scientific Name	*Common Name*	*Status*	*General Habitat Description*	*Potential for Occurrence within the Project Footprint*
			Eschscholzia, Eriogonum. Also like lotus, *Encelia* sp., milk weed, and non-native grassland. Don't prefer dense non-native vegetation. Nest in the ground but are not limited by compact soils unless no rodent burrows or crevices are present. Highly impacted by urbanization; unlikely to be found in fragmented habitats and more likely to be found in large undisturbed areas or sites with direct connections to large undisturbed areas.	Phacelia species, Eriogonum species, non-native grassland and rodent burrows.
Danaus plexippus pop. 1	monarch – CA overwintering population	FSS, FCE, IUCN: EN	Winter migrant along CA coast. Known to roost in eucalyptus trees. Usually encountered in lowland areas. Obligate milkweed host plant (primarily *Asclepias* spp.) during larval stage. Nectar and milkweed resources are often associated with riparian corridors. Overwinter in groves along the coast of California and Baja California, typically close to the coast, populated by a variety of tree species, including blue gum eucalyptus (*Eucalyptus globulus*), Monterey pine (*Pinus radiata*), and Monterey cypress (*Hesperocyparis macrocarpa*).	Low; Project Footprint lacks suitable habitat.
Amphibians				
Rana muscosa	southern mountain yellow-legged frog	FE, SE, FSS, WL, IUCN: EN MSHCP: Group 3	Prefers open areas with sandy or gravelly soils, in a variety of habitats including mixed woodlands, grasslands, coastal sage scrub, chaparral, sandy washes, lowlands, river floodplains, alluvial fans, playas, alkali flats, foothills, and mountains. Rainpools lasting a significant amount of time and which do not contain predatory bullfrogs, fish, or crayfish are necessary for breeding. Typically found in areas with good native vegetative cover and low levels of disturbance.	Low potential; Project Footprint lacks suitable habitat to host rainpools.
*Spea hammondii (*also *Scaphiopus hammondii)*	western spadefoot toad	SSC, BLMS, IUCN: NT MSHCP: Group 2	Prefers open areas with sandy or gravelly soils, in a variety of habitats including mixed woodlands, grasslands, coastal sage scrub, chaparral, sandy washes, lowlands, river floodplains, alluvial fans, playas, alkali flats, foothills, and mountains. Rainpools lasting a significant amount of time and which do not contain bullfrogs, fish, or crayfish are necessary for breeding. Typically found in areas with good native vegetative cover and low levels of disturbance.	Low; Project Footprint lacks suitable habitat to host rainpools.
Reptiles				
Actinemys pallida	southwestern pond turtle	BLMS, FPT	A thoroughly aquatic turtle of ponds, marshes, rivers, streams & irrigation ditches, usually with aquatic vegetation, below 2000 meters in elevation.	Low; Project Footprint lacks suitable habitat.

Scientific Name	*Common Name*	*Status*	*General Habitat Description*	*Potential for Occurrence within the Project Footprint*
			Need basking sites and suitable (sandy banks or grassy open fields) upland habitat up to 0.5 km from water for egg-laying.	
Anniella stebbinsi	Southern California Legless Lizard	SSC, FSS	Occurs in moist warm loose soil with plant cover. Moisture is essential. Occurs in sparsely vegetated areas of beach dunes, chaparral, pine-oak woodlands, desert scrub, sandy washes, and stream terraces with sycamores, cottonwoods, or oaks. Leaf litter under trees and bushes in sunny areas and dunes stabilized with bush lupine and mock heather often indicate suitable habitat.	Low; Project Footprint lacks suitable habitat.
Charina bottae umbratica	southern rubber boa	ST, FSS	The rubber boa is often found in fallen debris, rock piles, and steep, rocky montane areas within coniferous forests, woodlands, chaparral, and grasslands above 1,540 meters in elevation.	Absent; Project Footprint is outside of known elevation range and lacks suitable habitat.
Birds				
Aimophila ruficeps canescens	Southern California rufous-crowned sparrow	WL	Found on moderate to steep, dry, grass-covered hillsides, coastal sage scrub, and chaparral and often occur near the edges of the denser scrub and chaparral associations. Preference is shown for tracts of California sagebrush.	Present. Observed during 2021-2022 CAGN surveys
Athene cunicularia	burrowing owl	SSC, BCC, BLMS	Open, dry annual or perennial grasslands, deserts and scrublands characterized by low-growing vegetation. Subterranean nester, dependent upon burrowing mammals, most notably, the California ground squirrel.	Low; suitable habitat and burrows observed within the Project Footprint, however, no BUOW or sign thereof were observed during the 2022 BUOW focus surveys.
Buteo swainsoni	Swainson's hawk	ST, BLMS, BCC	Typical habitat includes open desert, grassland, or cropland containing large trees or small groves. Roosts on large trees or ground if none available. Usually found near water but also nest in arid regions. Large open areas of suitable foraging habitat with abundant and available prey base in association with suitable nesting habitat are basic requirements for successful reproduction. Due to habitat conversion, the species has	Low; no suitable foraging or nesting habitat occurs within the Project Footprint.

Scientific Name	*Common Name*	*Status*	*General Habitat Description*	*Potential for Occurrence within the Project Footprint*
			shifted its foraging strategy to rely more heavily on agricultural crops. Extirpated from much of California.	
Polioptila californica californica	coastal California gnatcatcher	FT, SSC	Obligate, permanent resident of coastal sage scrub below 835 meters in Southern California. Low, coastal sage scrub in arid washes, on mesas & slopes. Not all areas classified as coastal sage scrub are occupied.	Low; marginal suitable habitat occurs within the Project Footprint, however, no CAGN were observed during the 2021-2022 CAGN protocol surveys.
Vireo bellii pusillus	least Bell's vireo	FE, SE, IUCN:NT	Summer resident of Southern California in low riparian, in vicinity of water or in dry river bottoms; below 2000 ft. Nests placed along margins of bushes or on twigs projecting into pathways, usually willow, baccharis or, mesquite.	Low; Project Footprint lacks suitable habitat.
Mammals				
Chaetodipus fallax fallax	northwestern San Diego pocket mouse	G5T3T4 / S3S4	This species inhabits coastal sage scrub, sage scrub/grassland ecotones, and chaparral communities. Habitats tend to be stony soils above sandy desert fans and rocky areas within shrub communities such as coastal sage scrub, chamise-redshank chaparral, mixed chaparral, sagebrush, desert wash, desert scrub, desert succulent scrub, pinyon-juniper, and annual grassland. Seeks cover in rocky/gravelly areas with a yucca overstory.	Present; Observed during the SBKR trapping surveys in 2022.
Dipodomys merriami parvus	San Bernardino kangaroo rat	FE, SSC	This species is typically found in Riversidean alluvial fan sage scrub and sandy loam soils, alluvial fans and flood plains, and along washes with nearby sage scrub, chaparral and even disturbed areas that are associated with alluvial processes. Soil texture is a primary factor in this subspecies' occurrence. Sandy loam substrates allow for the digging of simple, shallow burrows. The species is found in open grassland habitats where the sparse vegetation is mainly composed of shrubs, sagebrush, grasses and forbs.	Absent; none detected during 2022 SBKR trapping surveys and no SBKR have been reported within 2-miles of the Project Footprint.
Lasiurus xanthinus	western yellow bat	SSC, WBWG (H)	Year-round resident of southern CA, found below 2000 ft in or near foothill or desert riparian habitats. Roosts in trees, including palm trees, in and near palm oases and riparian habitats.	Low; site lacks suitable habitat and palm trees in foothill riparian, desert wash and palm oasis habitats with

Scientific Name	*Common Name*	*Status*	*General Habitat Description*	*Potential for Occurrence within the Project Footprint*
				access to water for foraging.
Leptonycteris yerbabuenae	lesser long-nosed bat	Federally Delisted; SSC, WBWG:H, IUCN:VU	The lesser long-nosed bat is found in a variety of vegetation communities including desert scrub, desert grasslands, Madrean oak woodlands, thorn scrub, and tropical deciduous forests supporting agaves, saguaro and organ pipe cacti, and flowering trees; their primary food source. Day roost sites include caves and abandoned mines, and night roosts range from these same caves and mines to buildings, bridges, and trees	Low; Project Footprint lacks suitable foraging and roosting habitat.
Neotoma lepida intermedia	San Diego desert woodrat	SSC	Abundant in rock outcrops and rocky cliffs and slopes with moderate to dense canopies preferred, as well as cactus patches. Habitats include Joshua tree, pinyon-juniper, mixed chaparral, sagebrush, and most desert habitats. Range from southern California and the Great Basin, Mojave, and Colorado deserts.	Present; Observed during the SBKR trapping surveys in 2022.

LEGEND

Federal Endangered Species Act (ESA) Listing Codes: federal listing is pursuant to the Federal Endangered Species Act of 1973, as amended (ESA).
FE = federally listed as endangered: any species, subspecies, or variety of plant or animal that is in danger of extinction throughout all or a significant portion of their range.
FT = federally listed as threatened: any species, subspecies, or variety of plant or animal that is considered likely to become endangered throughout all or a significant portion of its range within the foreseeable future.

California Endangered Species Act (CESA) Listing Codes: state listing is pursuant to § 1904 (Native Plant Protection Act of 1977) and §2074.2 and §2075.5 (California Endangered Species Act of 1984) of the Fish and Game Code, relating to listing of Endangered, Threatened and Rare species of plants and animals.
SE = state listed as endangered: any species, subspecies, or variety of plant or animal that are in serious danger of becoming extinct throughout all, or a significant portion, of their range.
ST = state listed as threatened: any species, subspecies, or variety of plant or animal that, although not presently threatened with extinction, is likely to become an endangered species in the foreseeable future.
SCE = state listed as candidate endangered.
SD = state delisted species.

California Department of Fish and Wildlife (CDFW):
SSC = species of special concern: status applies to animals which 1) are declining at a rate that could result in listing, or 2) historically occurred in low numbers and known threats to their persistence currently exist. The CDFW has designated certain vertebrate species as "species of special concern" because declining population levels, limited ranges, and/or continuing threats have made them vulnerable to extinction.
CE= Candidate Endangered.
FP = fully protected: animal species may not be taken or possessed at any time and no licenses or permits may be issued for their take except for collecting these species for necessary scientific research and relocation of the bird species for the protection of livestock.
WL = watch list: these birds have been designated as "Taxa to Watch" in the *California Bird Species of Special Concern report* (Shuford and Gardali 2008). The report defines "Taxa to Watch" as those that are not on the current special concern list that (1) formerly were on the 1978 (Remsen 1978) or 1992 (CDFG 1992) special concern lists and are not currently listed as state threatened and endangered; (2) have been removed (delisted) from either the state or federal threatened and endangered lists (and remain on neither), or (3) are currently designated as "fully protected" in California.

United States Forest Service (USFS):
FSS = Forest Service sensitive: those plant and animal species identified by a Regional Forester that are not listed or proposed for listing under the ESA and for which population viability is a concern, as evidenced by: (a) significant current or predicted downward trends in population numbers or density or (b) significant current or predicted downward trends in habitat capability that would reduce a species' existing distribution."

United States Fish and Wildlife Service (USFWS):
BCC = USFWS bird of conservation concern: listed in the USFWS'S 2008 *Birds of Conservation Concern* report. The report identifies species, subspecies, and populations of all migratory non-game birds that, without additional conservation actions, are likely to become candidates for listing under the ESA. While all

of the bird species included in the report are priorities for conservation action, the list makes no finding with regard to whether they warrant consideration for ESA listing.

United States Bureau of Land Management (BLM):
BLMS = BLM sensitive: those plant and animal species on BLM administered lands and that are (1) under status review by the USFWS/NMFS; or (2) whose numbers are declining so rapidly that federal listing may become necessary, or (3) with typically small and widely dispersed populations; or (4) those inhabiting ecological refugia or other specialized or unique habitats. BLM policy is to provide the same level of protection as USFWS candidate species.

American Fisheries Society: Listing of imperiled freshwater and diadromous fishes of North America prepared by the American Fisheries Society's Endangered Species Committee.
AFS-E= Endangered
AFS-TH= Threatened
AFS-V= Vulnerable

California Rare Plant Ranks (Formerly known as CNPS Lists): the CNPS is a statewide, non-profit organization that maintains, with CDFG, an Inventory of Rare and Endangered Plants of California. In the spring of 2011, CNPS and CDFG officially changed the name "CNPS List" or "CNPS Ranks" to "California Rare Plant Rank" (or CPRP). This was done to reduce confusion over the fact that CNPS and CDFG jointly manage the Rare Plant Status Review Groups and the rank assignments are the product of a collaborative effort and not solely a CNPS assignment.

CRPR 1A - California Rare Plant Rank 1A (formerly List 1A): Plants presumed extirpated in California and either rare or extinct elsewhere. All of the plants constituting California Rare Plant Rank 1A meet the definitions of Sec. 1901, Chapter 10 (Native Plant Protection Act) or Secs. 2062 and 2067 (California Endangered Species Act) of the California Department of Fish and Game Code, and are eligible for state listing. It is mandatory that they be fully considered during preparation of environmental documents relating to CEQA.

CRPR: 1B - California Rare Plant Rank 1B (formerly List 1B): Plants Rare, Threatened, or Endangered in California and Elsewhere. All of the plants constituting California Rare Plant Rank 1B meet the definitions of Sec. 1901, Chapter 10 (Native Plant Protection Act) or Secs. 2062 and 2067 (California Endangered Species Act) of the California Department of Fish and Game Code, and are eligible for state listing. It is mandatory that they be fully considered during preparation of environmental documents relating to CEQA.

CRPR: 2 - California Rare Plant Rank 2 (formerly List 2): Plants Rare, Threatened, or Endangered in California, But More Common Elsewhere. All of the plants constituting California Rare Plant Rank 2 meet the definitions of Sec. 1901, Chapter 10 (Native Plant Protection Act) or Secs. 2062 and 2067 (California Endangered Species Act) of the California Department of Fish and Game Code, and are eligible for state listing. It is mandatory that they be fully considered during preparation of environmental documents relating to CEQA.

CRPR: 4 - California Rare Plant Rank 4 (formerly List 4): Plants of Limited Distribution - A Watch List. Very few of the plants constituting California Rare Plant Rank 4 meet the definitions of Sec. 1901, Chapter 10 (Native Plant Protection Act) or Secs. 2062 and 2067 (California Endangered Species Act) of the California Department of Fish and Game Code, and few, if any, are eligible for state listing. Nevertheless, many of them are significant locally, and CNPS and

CDFG strongly recommend that California Rare Plant Rank 4 plants be evaluated for consideration during preparation of environmental documents relating to CEQA.

California Native Plant Society (CNPS) Threat Ranks: The CNPS Threat Rank is an extension added onto the California Rare Plant Rank (CRPR) and designates the level of endangerment by a 1 to 3 ranking with 1 being the most endangered and 3 being the least endangered. A Threat Rank is present for all California Rare Plant Rank 1B's, 2's, 4's, and the majority of California Rare Plant Rank 3's. California Rare Plant Rank 4 plants are seldom assigned a Threat Rank of 0.1, as they generally have large enough populations to not have significant threats to their continued existence in California; however, certain conditions exist to make the plant a species of concern and hence be assigned a California Rare Plant Rank. In addition, all California Rare Plant Rank 1A (presumed extinct in California), and some California Rare Plant Rank 3 (need more information) plants, which lack threat information, do not have a Threat Rank extension.

0.1 = seriously endangered in California (over 80% of occurrences threatened / high degree and immediacy of threat)
0.2 = fairly endangered in California (20-80% occurrences threatened / moderate degree and immediacy of threat)

Sources:

- CNPS Inventory of Rare and Endangered Plants (CNPS 2024)
- The Jepson Manual: *Vascular Plants of California,* second edition (Baldwin *et al.* 2012).
- RareFind, CDFW, California Natural Diversity Database (CNDDB) (CDFW 2024).
- State and Federally Listed Endangered, Threatened, and Rare Plants of California (CDFW, July 2024).
- State and Federally Listed Endangered and Threatened Animals of California (CDFW, July 2024).
- Special Animals List (CDFW, July 2024).
- Life History Accounts (CDFW).
- Sensitive List (BLM)

APPENDIX E

Focused Burrowing Owl Survey Report

November 26, 2024

Assi Mahfouz
1525 South Broadway
Los Angeles, CA 90015

Subject: Results of Focused Burrowing Owl Surveys Conducted for the Oak Glen-Bryant Project, City of Yucaipa, San Bernardino County, California

Dear Mr. Mahfouz:

This letter report provides a summary of existing conditions and provides the methods and results of the burrowing owl (*Athene cunicularia*) [BUOW] habitat assessment and focused surveys conducted for the Oak Glen-Bryant Project (Figure 1, *Regional Map*) where direct and indirect impacts could potentially occur. The Burrowing Owl Study Area includes the 18-acre Project limits (Figure 2; *Aerial Map*), and a 500-foot surrounding buffer as depicted on Figure 2.

The surveys were conducted pursuant to the California Department of Fish and Wildlife (CDFW) survey guidelines described in the Staff Report on Burrowing Owl Mitigation (CDFW 2012) [Staff Report], to determine the presence or absence of this species within the Project site. The results of these surveys will be used to determine whether this species would be affected by Project development.

A habitat assessment was conducted as part of the first BUOW focused survey in March 2022. Four breeding season BUOW surveys were conducted beginning on March 22, followed by surveys conducted at least three weeks apart on May 9, May 31, and June 23. The surveys were led by Carla Marriner, Sierra Valladares, Kathy Douglas, and Nathalie Munoz, of VCS Environmental (VCS). The biologists focused on identifying presence or absence of BUOW, suitable burrows and/or burrow surrogates for BUOW, and any other signs of BUOW within the Study Area as shown on the attached Figure 3. No BUOW or signs thereof were observed within the Study Area during the surveys. Based on the lack of any direct or indirect evidence of BUOW presence, the survey results indicate that the Study Area was not occupied by BUOW at the time of the surveys.

Project Location and Existing Conditions

The Project is in the County of San Bernardino in the City of Yucaipa. The Project is regionally accessible from Interstate 10 (I-10). Regional and Aerial Maps are included as [Figures 1 and 2], respectively. The Project is located at Global Positioning System (GPS) location 34.049576, -117.036169, near the intersection of Oak Glen Road and Bryant Street. The Project Footprint is composed of several parcels which include APNs 0303-051-44-0000, 0303-051-45-0000, 0303-051-64-0000. The Project Footprint is also located within Section 25 Township 1 South, Range 2 West of the United States Geological Survey (USGS) Topographic Map, 7.5 Minute Series, in the Yucaipa Quadrangle (Figure 4, USGS Topographic Map).

The Study Area is surrounded by development to the north and south. Bryant Street borders the eastern boundary of the Project with undeveloped land east of Bryant Street. A mix of developed and undeveloped land is found west of the project. A channelized portion of Wilson Creek borders the northern/western boundary of the Project. The Project consists of marginal suitable habitat dominated by scalebroom scrub and disturbed land. A few suitable burrows were observed throughout the Study Area. The topography of the Study Area is relatively flat with elevations ranging from approximately 2730 to 2790 feet (832 to 850 meters) above mean sea level (amsl) (Google Earth 2024).

Survey Methods

Prior to the field survey, available literature and databases, including the California Natural Diversity Database (CNDDB), were reviewed to identify sensitive habitats and special status wildlife species, specifically BUOW, in the vicinity of the Study Area.

VCS biologists conducted four protocol BUOW surveys. Table 1 provides the survey dates and environmental conditions for each of the surveys conducted within the Study Area.

Table 1: BUOW Survey Dates and Conditions

Survey #	Date	Start	End	Temperature/Weather Conditions	Surveyors*
1	3/22/2022	7:00 AM	8:30 AM	56°F - 63°F; sunny (0% cloud cover); 7mph wind	CM, SV
2	5/9/2022	7:00 AM	8:30 AM	46°F -47°F; cloudy (80% cloud cover); 5 mph wind	SV, KD
3	5/31/2022	6:30 AM	8:00 AM	52°F - 58°F; sunny (0% cloud cover); 3 mph wind	SV, KD
4	6/23/2022	6:30 AM	8:00 AM	70°F - 77°F; sunny (0% cloud cover); 1 mph wind	SV, NM

*CM-Carla Marriner; SV – Sierra Valladares; KD - Kathy Douglas; NM – Nathalie Munoz

The BUOW surveys consisted of four surveys in accordance with the Staff Report guidelines, with the last three surveys being generally three weeks apart with one survey after June 15, 2023. The surveys involved walking through suitable habitat within the Study Area. The pedestrian survey transects were spaced at an appropriate distance to allow 100 percent visual coverage of the ground surface, adjusting for vegetation height and density. Parcels of land that could not be accessed (e.g., private property) were viewed using binoculars from suitable vantage points to survey for BUOW activity or signs thereof. Many areas of the 500-foot buffer and some of the impact areas were not accessible due to being on private residential land or military land that was fenced off. The first survey on March 22, 2022 was conducted over the entire Project site to determine where potential suitable habitat was located. The majority of the Project site was determined to contain potential suitable BUOW habitat; therefore, the subsequent surveys conducted focused on the entire Project site.

During the surveys, VCS biologists paid special attention to those habitat areas that appeared to provide suitable habitat for BUOW. The methods used to detect and identify BUOW included direct sighting of BUOW and observation of key signs such as scat, tracks, burrows, nests, and calls. All encountered burrows or structure entrances were checked for the presence of BUOWs, molted feathers, cast pellets, prey remains, eggshell fragments, tracks, or excrement at or near a burrow entrance. Natural or man-made

structures and debris piles that could support BUOWs were also surveyed. All burrows were monitored at a short distance from the entrance, and at a location that would not interfere with owl behavior. Onsite topography, vegetative communities, and habitat quality were documented during the field surveys. All wildlife species encountered visually or audibly during the field survey were identified and recorded in field notes. Binoculars were used to aid in the identification of observed wildlife. Photographs were taken to document existing conditions within the Study Area; photopages are attached (Exhibit A).

CDFW BUOW survey guidelines state that surveys should not be conducted during rain, high winds (>12 miles per hour (mph) (20 kilometers), dense fog, cloud cover >75%, or temperatures above 90°F. Guidelines also state that surveys should be conducted between morning civil twilight and 10:00 AM and two hours before sunset until evening civil twilight as this provides the highest detection probabilities (Staff Report, 2012). The surveys conducted for this Project were conducted during the optimal time and weather conditions.

Results

Vegetation and Land Conditions

The Study Area consists of scalebroom scrub (*Lepidospartum squamatum*), disturbed maintained land, and developed land. Scalebroom scrub consists of species such as scalebroom, California buckwheat (*Eriogonum fasciculatum*), and deerweed (*Acmispon glaber*). The disturbed maintained land includes disturbed, frequently mowed and sparsely vegetated areas with mostly herbaceous non-native forbs and grasses. Developed areas include sidewalks, paved roads, and residential and commercial development.

Wildlife

During the surveys, the following birds were observed/detected:

- White-crowned sparrow (*Zonotrichia leucophrys*)
- California thrasher (*Toxostoma redivivum*)
- American crow (*Corvus brachyrhynchos*)
- California towhee (*Melozone crissalis*)
- European starling (*Sturnus vulgaris*)
- Song sparrow (*Melospiza melodia*)
- American pipit (*Anthus rubescens*)
- Mourning dove (*Zenaida macroura*)
- Say's phoebe (*Sayornis saya*)
- Bushtit (*Psaltriparus minimus*)
- California quail (*Callipepla californica*)
- Northern mockingbird (*Mimus polyglottos*)

BUOW

During the four BUOW surveys, no BUOW or evidence of BUOW was observed within the Study Area. Potential suitable burrows and burrow surrogates (e.g., culverts, riprap) were found within the Study Area (Figure 3); however, the burrows and burrow surrogates did not display any sign of BUOW use around the entrances. Potential BUOW foraging and nesting habitat was observed within the Study Area and in the

vicinity. Due to the lack of presence of BUOW and lack of occupied burrows, the Study Area is considered not to be occupied by BUOW.

Conclusion

Based on the results of the burrowing owl focused surveys, no burrowing owls or evidence of burrowing owl activity (e.g., active burrows, whitewash, pellets, etc.) were detected during the surveys. As a result, the Study Area was not considered to be occupied by BUOW. Because the Study Area contains burrows suitable for burrowing owl and suitable burrowing owl foraging habitat, surveying for BUOW will be addressed through the 30-day pre-construction clearance survey prior to any ground disturbing activities to avoid direct take of burrowing owls in compliance with the CDFW protocol.

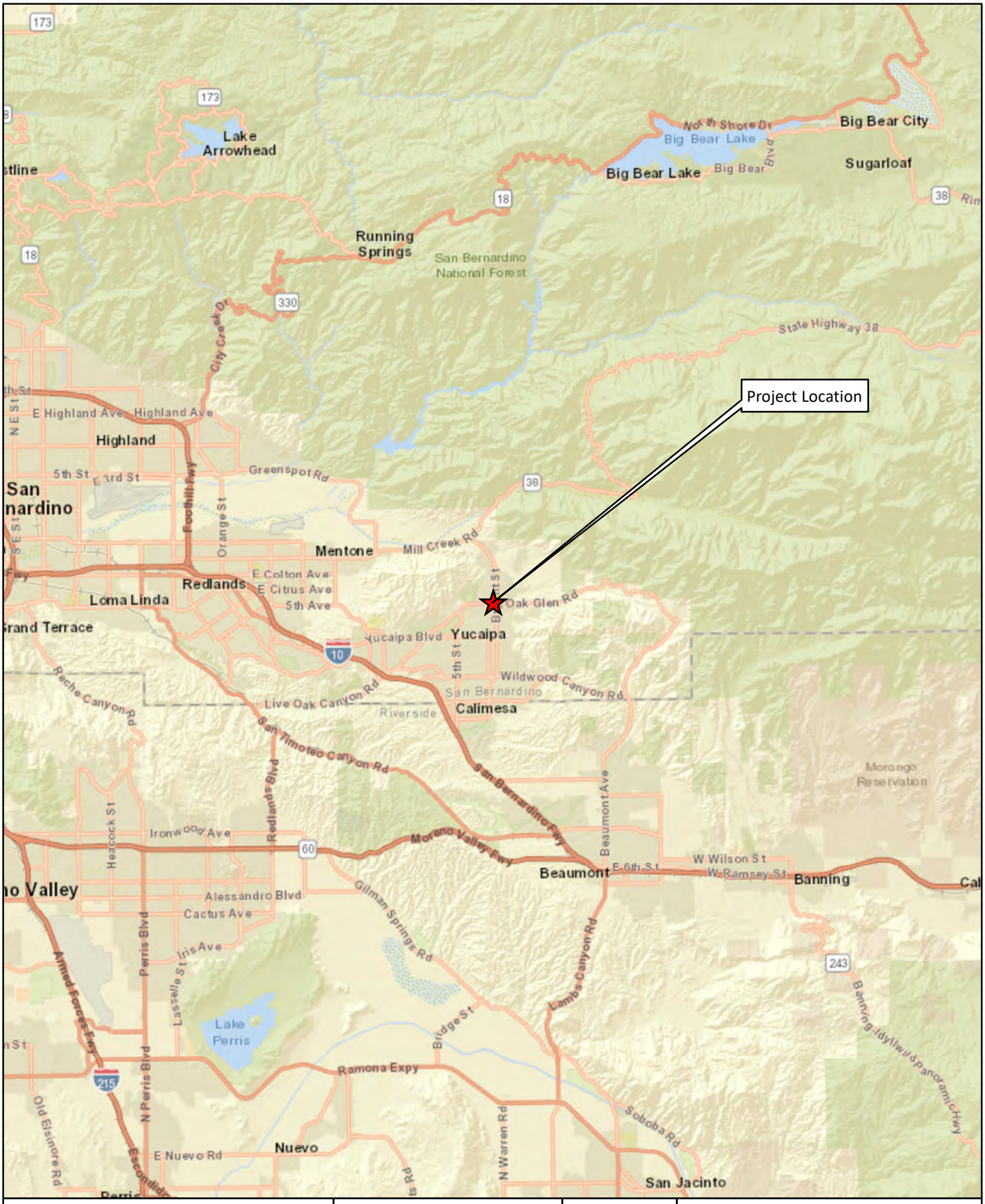
Please contact me at svalladares@vcsenvironmental.com or 949.466.9714 should you have any questions or comments.

Sincerely,

Sierra Valladares
Senior Project Manager / Biologist

Enclosures (5):

- Figure 1: Regional Map
- Figure 2: Aerial Map
- Figure 3: BUOW Location Survey Area
- Figure 4: USGS Topographic Map
- Exhibit A: Photopages



Prepared By:
VCS Environmental

Map Created: November 2024
Data Sources: ESRI, Blue Engineering

Service Layer Credits: Sources: Esri, HERE, Garmin, USGS,

0 12,500 25,000
Feet
1:250,000

N
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Oak Glen-Bryant

Figure 1

Regional Map



Prepared By:
VCS Environmental

Map Created: November 2024
Data Sources: ESRI, Blue Engineering

Service Layer Credits: Esri, HERE, Garmin, (c)

0 150 300
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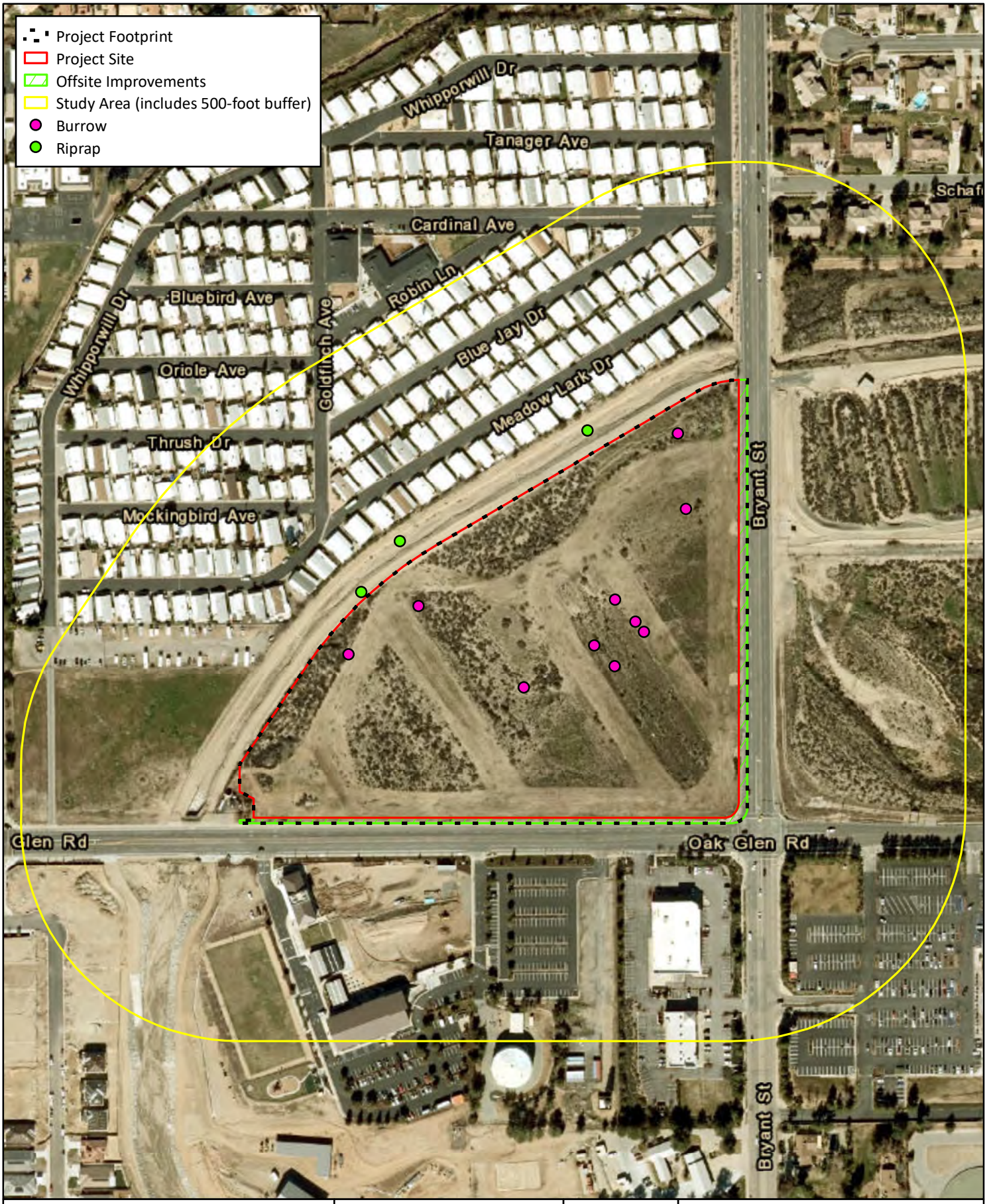
Oak Glen-Bryant

Figure 2

Aerial Map



Prepared By:
VCS Environmental

Map Created: November 2024
Data Sources: ESRI, Blue Engineering

Service Layer Credits: Esri, HERE, Garmin, (c)

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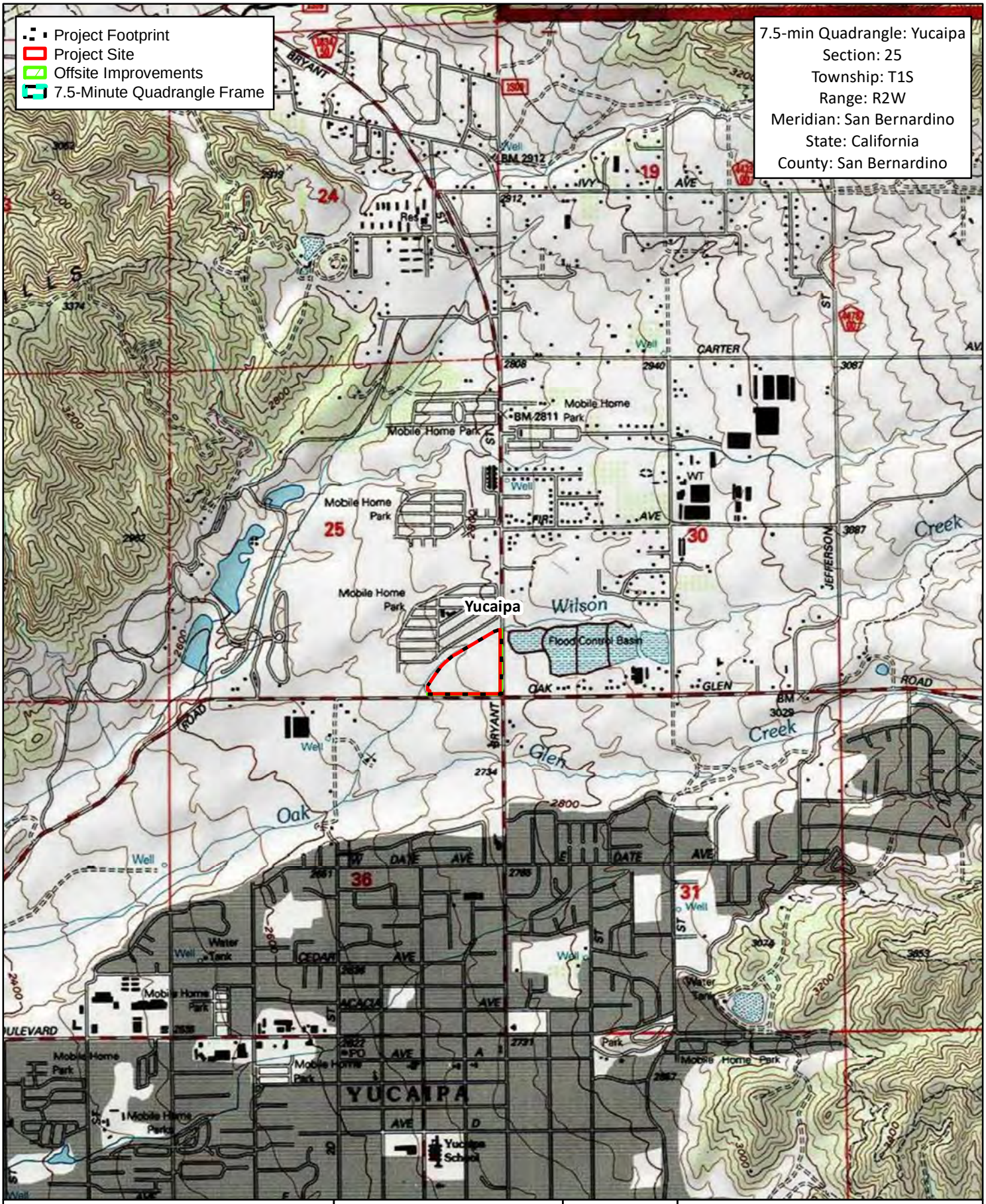
Oak Glen-Bryant

Figure 3

Burrowing Owl
Location Map



Prepared By:
VCS Environmental

Map Created: November 2024
Data Sources: ESRI, Blue Engineering

Service Layer Credits: Copyright:© 2013 National

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Feet
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Oak Glen-Bryant

Figure 4 USGS Topographic Map

Exhibit A

Site Photographs



Photo 1: Taken May 9, 2022. View of disturbed/maintained land along the eastern portion of the Project site. Bryant St. to the right; facing north.



Photo 2: Taken March 22, 2022. View of scale broom scrub vegetation community in the northern portion of the Project site dominated by scale broom and California buckwheat shrubs; facing north.



Photo 3: Taken May 9, 2022. View of the southern portion of the Project site, Oak Glen Road to the left; viewing west.



Photo 4: Taken June 23, 2022. View of Wilson Creek adjacent to the northern Project limits; viewing east.

APPENDIX F

Coastal California Gnatcatcher Non-breeding Protocol Surveys Report

Results Of 2021-2022 Non-Breeding Season Surveys For California Gnatcatcher on ~19 Acres in Yucaipa

City of Yucaipa, San Bernardino County, California

Prepared For:

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Contact:
Stacey Love

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Prepared by:

Kidd Biological, Inc.
23046 Ave de la Carlota, Suite 600, PMB 66
Laguna Hills, CA 92653

Contact: Nina Kidd
949.632.2756

April 8, 2022

INTRODUCTION

This report presents the results of the 2021-2022 non-breeding season surveys for the federally threatened coastal California gnatcatcher (*Polioptila californica californica*) ("CAGN") on approximately 19 acres in Yucaipa, California ("site", Appendix A, Figures 1-3). The surveys were conducted by Kidd Biological, Inc. (KBI). Surveys were conducted in accordance with guidance from U.S. Fish and Wildlife Service (USFWS) CAGN survey protocol to cover non-breeding periods (USFWS 1997).

The required notification to conduct focused surveys was submitted by email to the permit coordinator at the Carlsbad U.S. Fish and Wildlife Service (USFWS) Office dated November 18, 2021 (Appendix C).

SITE LOCATION

Generally, the site is located north of Interstate 10, east of Highway 210, and south of Highway 38 (Mill Creek Road). More specifically, the site is located in at the northwest corner of the intersection of Oak Glen Road and Bryant Street (Figure 1). The Riverside County line is located 3 miles south of the site.

Ecologically, the site is located south of the Crafton Hills and the San Bernardino Mountains, north of Oak Glen Creek and immediately south of Wilson Creek. The project location can also be described as being located in Section 25 of Township 1 South, Range 2 West of the Yucaipa, California U.S. Geological Survey (USGS) 7.5-minute topographic quadrangle map (Figure 2).

PROPOSED PROJECT

Century Communities (project proponent) proposes to construct a new housing tract with numerous lots and associated infrastructure. At this time a finalized plan has not been developed.

NATURAL HISTORY OF THE COASTAL CALIFORNIA GNATCATCHER

The CAGN is a federally threatened species. It is most commonly found in the sage scrub communities of coastal southern California. According to J. Atwood and J. Bolsinger (1992), 99% of all CAGN observations are in areas with elevations below 950 feet. There are a few reported occurrences of CAGN at 1,600 feet elevation (500 meters) (Davis and McKernan, 1998). Elevation of this site is approximately 2,730 – 2,790 feet (830 – 850

meters) above mean sea level (MSL). The site is higher in elevation than what is typically associated with all CAGN observations. Nonetheless, with drought conditions in the region and effects of climate change there is a possibility that CAGN may transition to higher elevations where conditions are more favorable (Pounds et al 1999, Moritz et al 2008, Chen et al, 2011).

CAGN are ground and shrub-foraging insectivores. They feed on small insects and other arthropods. A CAGN's territory is highly variable in size and seems to be correlated with distance from the coast, ranging from less than 1 ha to over 9 ha (Mock, 2004). In a 1998 study, biologist Patrick Mock concluded that CAGN in the inland region require a larger territory than those on the coast in order to meet the nutritional requirements needed for survival and breeding.

The main threat to the CAGN is habitat loss, fragmentation, and degradation of habitat from invasive plant species and drought. Urban and agricultural development, livestock grazing, invasion of exotic grasses, off-road vehicles, pesticides, and military training activities all contribute to the destruction of CAGN habitat. Once locally common, CAGN have experienced widespread habitat loss and have lost most of their former range. By 1997, it was estimated that no more than 2,900 pairs remained in the United States. Remaining patches of coastal sage scrub are highly fragmented, and the majority is privately owned, making species recovery a difficult task.

The regional observations of CAGN are shown in Figure 3: *CNDDB Documented CAGN Locations*. These locations were obtained from the California Department of Wildlife's (CDFW) Natural Diversity Data Base (CNDDB) (2022). Based on the information, several CAGN have been documented to the west and south of the site. All of these sightings are 15 or more years old and several of the occurrences are now considered to be "possibly extirpated" due to development. One observation made in 2000 of a lone male and a pair were reported in the areas just south of Glen Helen Regional Park and Amphitheater. If this population is still extant, it is reasonable to assume that offspring could disperse and use the proposed project site.

EXISTING CONDITIONS

A habitat assessment was conducted by VCS Environmental. Vegetation descriptions are taken from their assessment of the site and were confirmed during the field surveys. Below is a description of the habitats on site where the survey was focused. The property is fairly level with elevations ranging from 2,730-2,790 feet above mean sea level.

Scale Broom Scrub - *Lepidospartum squamatum* Shrubland Alliance

Approximately 9.87 acres of scale broom scrub land cover was mapped within the Project site. This is a sensitive vegetation group with a rarity ranking on S3 and G3. Riversidean Alluvial Fan Sage Scrub is widespread along Wilson Creek and the lower portion of Oak Glen Creek adjacent to the Project site. This vegetation community is dominated by scale-broom (*Lepidospartum squamatum*) co-dominant with California buckwheat (*Eriogonum fasiculatum*), but also supports a broad diversity of other native shrubs and forbs, including western prickly pear (*Opuntia littoralis*), strigose lotus (*Acmispon strigosus*), blue elderberry (*Sambucus mexicana*), slender buckwheat (*Eriogonum gracile*), California tarragon (*Artemisia dracunculus*), white sage (*Salvia apiana*), chaparral yucca (*Yucca whipplei*), branching phacelia (*Phacelia ramosissima*), and California croton. Non-native species observed within this vegetation community include American century plant (*Agave americana*), tocalote (*Centaurea melitensis*), short-pod mustard, tree tobacco (*Nicotiana glauca*), and brome grasses (*Bromus* spp.)

Disturbed Maintained Land

Approximately 7.58 acres of disturbed/maintained land cover was mapped within the Project site. This land cover consists of disturbed, frequently mowed and sparsely vegetated areas with mostly herbaceous non-native forbs and grasses including short-pod mustard (*Hirschfeldia incana*), red-stem filaree (*Erodium cicutarium*), Russian thistle (*Salsola tragus*), tocalote (*Centaurea melitensis*), tree tobacco (*Nicotiana glauca*), red brome (*Bromus madritensis*) and Mediterranean grass (*Schismus barbatus).* A few native species observed within this land cover include telegraph weed (*Heterotheca grandiflora*), common sunflower (*Helianthus annuus*), California croton (*Croton californicus*), and phacelia (*Phacelia* sp.).

The Project site is within the historical braided channel of Wilson creek, which has been channelized north and west of an access road that borders the property on these sides. South of this access road an original, now inactive, part of the channel is present and appears to have had limited impacts except for some dumping of materials in or around 2004 in the southwest portion and some mechanical soil disturbance in 2007.

METHODOLOGY

Protocol breeding season surveys for the coastal California gnatcatcher were conducted by permitted biologists **Jason Berkley (USFWS 10a1A permit #009015-5) and Scott Thomas (USFWS 10a1A permit #036550-5 sub permittee)**. Methods employed were in

conformance with USFWS Coastal California Gnatcatcher Presence/Absence Survey Guidelines, issued July 28, 1997 (USFWS 1997). A total of 9 surveys were performed one week apart, between December 2, 2021 and April 1, 2022, generally between 0700 hours and 1130 hours. The surveys were conducted within all suitable habitat as well as marginal chaparral habitat within the parcel.

The biologist slowly traversed the biological survey area, stopping at approximately 75-foot intervals to listen for CAGN. If no CAGN were detected within 5-10 minutes, the biologist made pishing sounds, and played an audio recording of CAGN vocalizations. The recording was played for several seconds at each interval, followed by a brief pause to listen for a response. If any CAGN individuals were detected, additional observations including sex, age, breeding status, and behavioral characteristics were documented, consistent with protocol requirements.

RESULTS

Non-breeding season surveys were conducted by the USFWS permitted biologist noted above, in accordance with USFWS guidelines within all suitable habitat on the site. Table 2, below, summarizes the results of each survey.

No CAGN were observed or otherwise detected during any of the surveys.

Brown-headed cowbirds (*Molothrus ater*), considered to be nest parasites for CAGNs, were not observed during the surveys.

Table 2. Survey Data

Survey	Surveyor	Date	Time		Temp (°F)	Cloud Cover (%)	Wind Speed (mph)	CAGN Detected
			Begin	End				
1	J. Berkley	12/2/21	0845	1000	70-73	0	0-2	No
2	S. Thomas	12/17/21	0930	1130	47-52	0	1-3	No
3	J. Berkley	12/31/21	0845	1015	56-62	50	3-8	No
4	S. Thomas	1/13/22	0730	1030	53-58	75-100	3-5	No
5	S. Thomas	1/27/22	0915	1130	49-54	0	2-3	No
6	S. Thomas	2/11/22	0915	1100	63	100	1-4	No
7	S. Thomas	3/2/22	0915	1110	58-62	25	0-2	No
8	S. Thomas	3/24/22	0730	0830	68-72	50	0-2	No
9	J. Berkley	4/1/22	0830	1000	50-54	50-100	0-2	No

ADDITIONAL AVIAN SPECIES

Avian activity during the protocol surveys was high during all surveys. Bird diversity was relatively low and species observed or otherwise detected during surveys are species commonly found in chaparral and wildland-urban interfaces. Birds observed most frequently included, but were not limited to California scrub jay (*Aphelocoma californica*), Anna's hummingbird (*Calypte anna*), and Bewick's wren (*Thryomanes bewickii*). A complete list of species observed can be found in Appendix B: Species Compendium.

No sensitive wildlife species were detected other than a Southern California rufous crowned sparrow, a California Watch List Species (CDFW 2022).

CONCLUSION

A total of nine (9) Coastal California gnatcatcher breeding season surveys were completed within suitable habitat within the parcel in question. No CAGN were observed or otherwise detected during the protocol surveys. Although there are some areas of marginally suitable habitat in the parcel, most of it is dominated by deerweed and buckwheat, which is seldom favored by breeding CAGN.

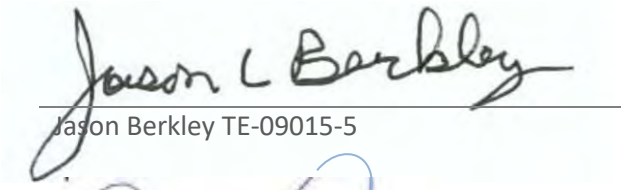
No brown-headed cowbirds (*Molothrus ater*) were observed during the surveys.

RECOMMENDATIONS

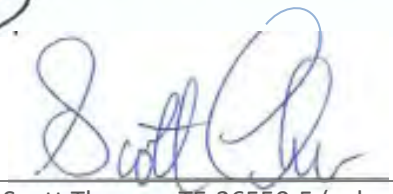
This site is not located within designated critical habitat for the CAGN and is on the edges of the range of the species; furthermore, the habitat is only marginally suitable and the elevation is well above the normal elevational requirements for the species. Although there is evidence of this species transitioning to higher elevations in response to climate change, the subject property is not connected to areas known to be occupied by the species, so it is highly unlikely that the parcel will recruit dispersing juveniles or transient adults.

The proposed project is not expected to result in the direct impact to any CAGN and the loss of potentially suitable habitat is insignificant to this species since it is likely this site is outside the range of the species and the quality of habitat is low.

CERTIFICATION: I hereby certify that the statements furnished above and in the attached exhibits present the data and information required for this biological evaluation, and that the facts, statements, and information presented are true and correct to the best of my knowledge and belief.

Date: April 18, 2022 Signed: 

Jason Berkley TE-09015-5

Date: April 18, 2022 Signed: 

Scott Thomas TE-36550-5 (sub-permittee)

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APPENDIX A- FIGURES

FIGURE 1. STUDY AREA



FIGURE 2. GENERAL SITE LOCATION ON THE YUCAIPA, CA USGS TOPOGRAPHIC MAP

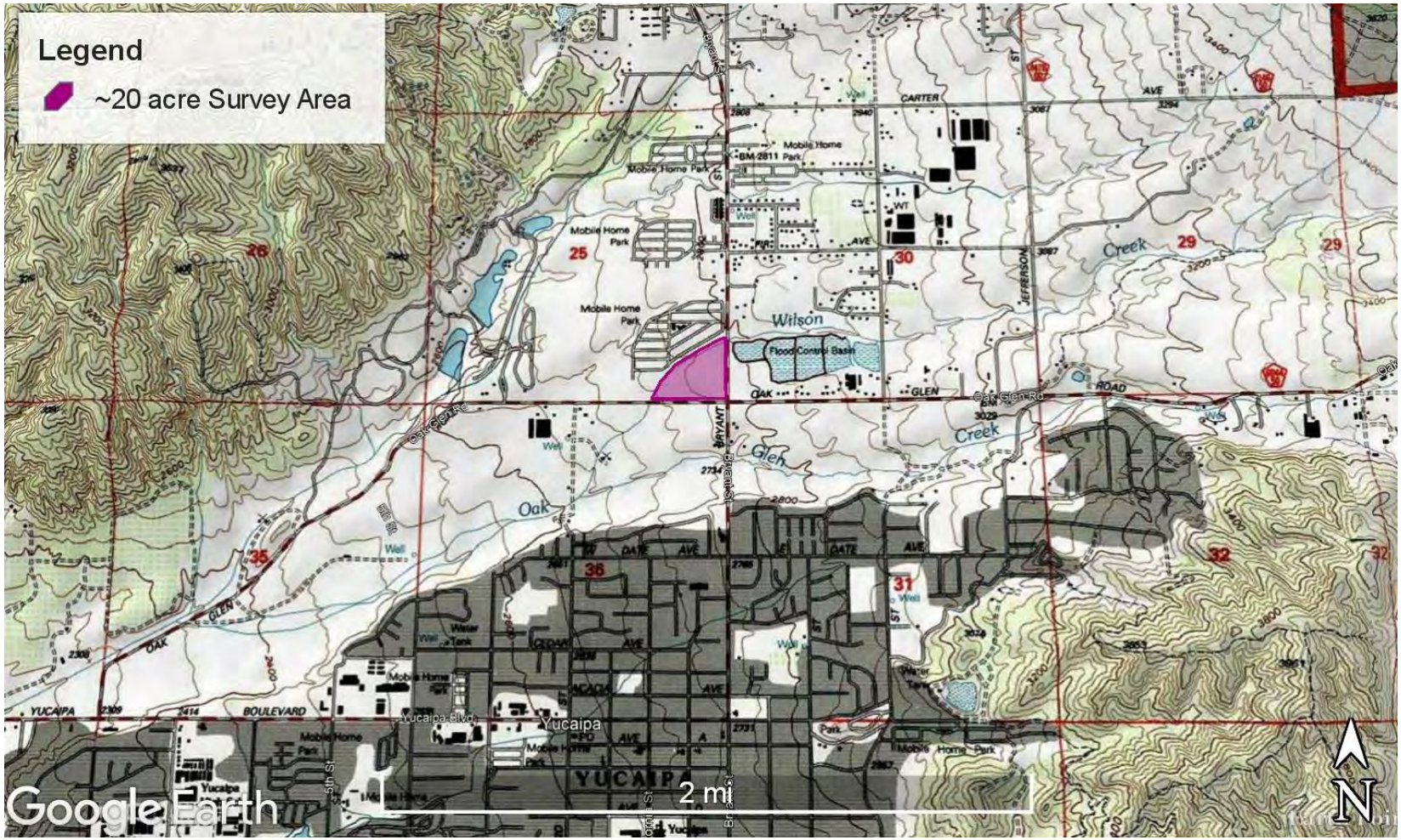


FIGURE 3. CNDDB REPORTED CAGN LOCATIONS (CNDDB APRIL 2022)

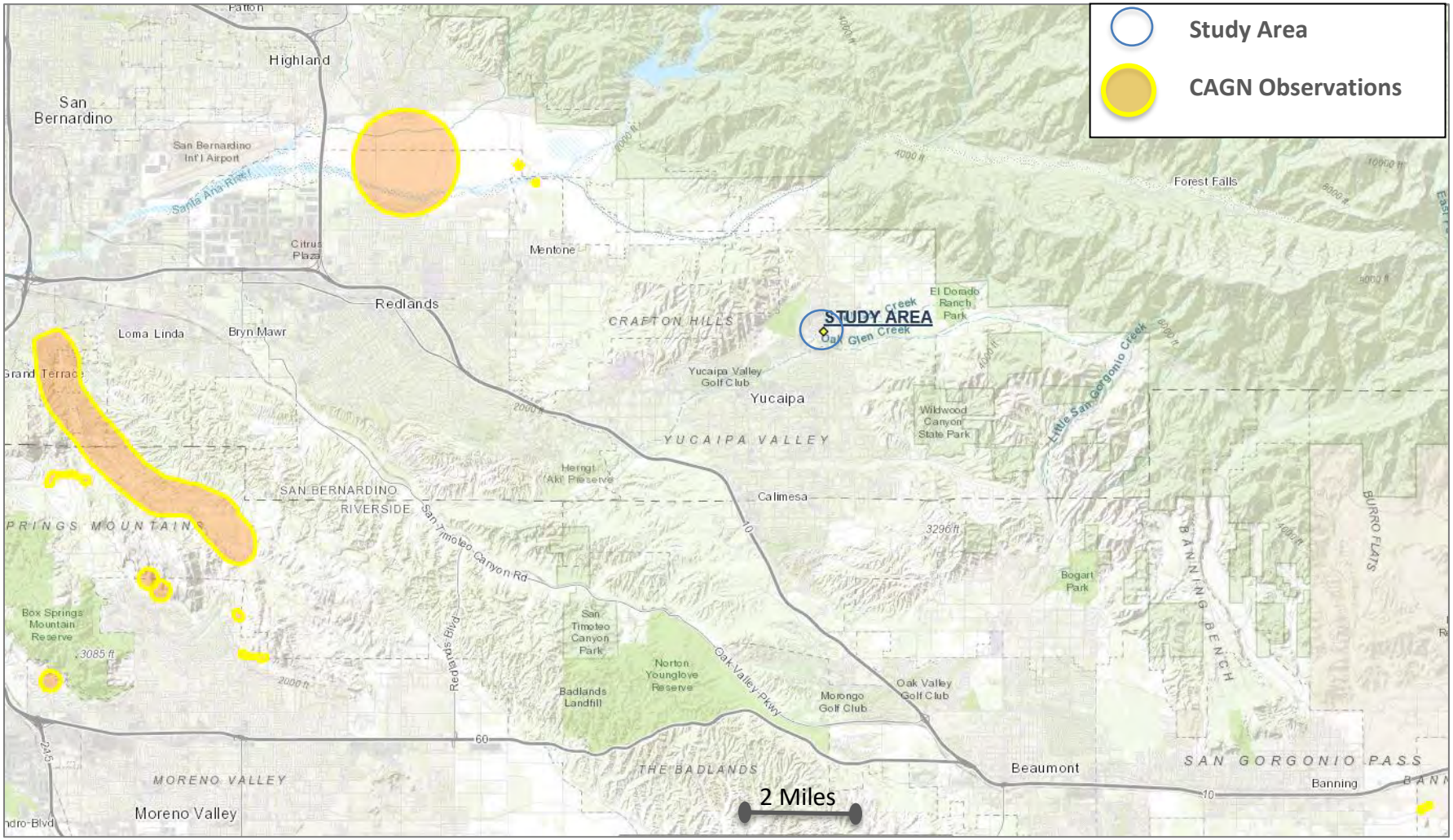


Figure 5. Looking North at disturbed habitat



Figure 6. Looking East at Plowed Area



FIGURE 7. LOOKING NORTH EAST AT PATCH OF SUITABLE HABITAT



FIGURE 8. LOOKING NORTHEAST AT SPARSE HABITAT



APPENDIX B: AVIAN COMPENDIUM

	Scientific Name	**Common Name**
	Trochilidae	**Hummingbirds**
	Calypte anna	Anna's hummingbird
	Accipitridae	**Hawks**
	Buteo jamaicensis	red-tailed hawk
	Columbidae	**Pigeons and Doves**
	Columba fasciata	band-tailed pigeon
	Zenaida macraura	mourning dove
	Corvidae	**Jays, Crows and Ravens**
	Corvus corax	common raven
	Aphelocoma californica	California scrub jay
	Cuculidae	**Cuckoos and Roadrunners and Anis**
	Geococcyx californianus	greater roadrunner
	Hirundinidae	**Swallows**
	Hirundo rustica	Barn swallow
	Tyrannidae	**Tyrant flycatchers**
	Sayornis nigricans	black phoebe

	Aegithalidae	**Long-tailed tits and Bushtits**
	Psaltriparus minimus	bushtit
	Ardeidae	**Herons, Bitterns and Allies**
	Ardea alba	great egret
	Troglodytidae	**Wrens**
	Thryomanes bewickii	Bewick's wren
	Fringillidae	**Finches and Allies**
	Haemorphus mexicanus	House finch
	Spinus psaltria	lesser goldfinch
	Turdidae	**Thrushes**
	Sialia mexicana	Western bluebird
	Mimidae	**Mockingbirds & Thrashers**
	Toxostoma ridivivum	California thrasher
	Mimus polyglotto	northern mockingbird
	Emberizidae	**Emberizids**
§	*Aimophila ruficeps*	Rufous-crowned sparrow
	Melozone crissalis	California towhee
	Zonotrichia leucophrys	white-crowned sparrow
	Sturnidae	**Starlings**
*	*Sturnus vulgaris*	European starling

* Introduced Species

§ Sensitive- Watch List Species

Taxonomic nomenclature follows American Ornithologists' Union 1998 and all updates for birds, and California Department of Fish and Wildlife's, Natural Diversity Database, January 2022 for special-status.

APPENDIX C: USFWS 15-DAY NOTICE & CORRESPONDANCE

Nina Kidd

From: Nina Kidd <nina@kiddbioinc.com>
Sent: Thursday, November 18, 2021 10:57 AM
To: 'Love, Stacey'
Cc: Jason Berkley (jberkley@cereusenvironmental.com); 'Karly Moore'; 'Scott'; 'Karly Moore'
Subject: 15-day notice non-breeding season CAGN in Yucaipa (TE 018909, TE009015, TE-02484A, TE-036550)
Attachments: 15-day notice non-breeding CAGN Yucaipa.pdf

Good Morning!
Attached is our notification to perform surveys for the California gnatcatcher on approximately 20 acres in Yucapia. Surveys will be conducted by Kelly Rios (TE 018909-5) and/or Jason Berkley (TE009015-5) of Kidd Biological, Inc.. Karly Moore (TE-02484A-2) or Scott Thomas (TE-036550-5 sub permittee) may also need to assist with surveys depending on scheduling needs.
Do not hesitate to call if you have any questions.

Thanks!

Nina J. Kidd

Kidd Biological, Inc.

November 18, 2021

Ms. Stacey Love
U.S. Fish and Wildlife Service
Carlsbad Field Office
2177 Salk Ave #250
Carlsbad, California 93003

Subject: **15-Day Notice to perform California Gnatcatcher presence/absence surveys (non-breeding season) for a ~20-acre Project in Yucapia, California.**

Dear Stacey,

In order to determine if a proposed commercial development project in Yucaipa, San Bernardino County, will have an impact on the federally threatened California gnatcatcher (*Polioptila californica californica,* CAGN) we are proposing to conduct focused presence/absence surveys within the **non-breeding season**. The proposed project is to construct housing. It is not known if surveys for CAGN have been performed at this site in the past.

Generally, the site is located north of Interstate 10, east of Highway 210, and south of Highway 38 (Mill Creek Road). More specifically, the site is located in at the northwest corner of the intersection of Oak Glen Road and Bryant Street (Figure 1). The Riverside County line is located 3 miles south of the site.

Ecologically, the site is located south of the Crafton Hills and the San Bernardino Mountains, north of Oak Glen Creek and immediately south of Wilson Creek. The project location can also be described as being located in Section 25 of Township 1 South, Range 2 West of the Yucaipa, California U.S. Geological Survey (USGS) 7.5-minute topographic quadrangle map (Figure 2).

Surveys will be conducted by Kelly Rios (TE 018909-5) and/or Jason Berkley (TE009015-5) of Kidd Biological, Inc. per U.S. Fish and Wildlife (USFWS) California gnatcatcher protocol guidelines. Karly Moore (TE-02484A-2) or Scott Thomas (TE-036550-5 sub permittee) may also need to assist with surveys depending on scheduling needs.

If you have any questions or comments regarding this letter, please contact me directly at (949)632-2756.

Sincerely,

Nina Jimerson-Kidd

APPENDIX G

Presence/Absence Trapping Study San Bernardino Kangaroo Rat and other Sensitive Small Mammals

Presence/Absence Trapping Study

San Bernardino Kangaroo Rat and other Sensitive Small Mammals

For the Century Communities Property

Yucaipa, California

Prepared For:

U.S. Fish and Wildlife Service
Carlsbad Field Office
2177 Salk Ave #250
Carlsbad, California 93008

Contact: Stacey Love,
Permit Coordinator

&

VCS Environmental
30900 Rancho Viejo Road
Suite 100
San Juan Capistrano, CA 92675

Contact: Wade Caffrey
(949)489-2700

Prepared by:

Kidd Biological Inc.
23046 Ave de la Carlotta, Suite 600
Laguna Hills, CA 92653
Contact: Jason Berkley
10(a)1(A) Permit # TE009015-5
Phone: (714)493-1120



Total Surveyed Area: ~20 Acres

Trapping Surveys Conducted:
June 20-24, 2022

Final Report Date:
July 7, 2022

Introduction

Jason Berkley of Cereus Environmental was contracted by Kidd Biological Inc. to conduct protocol trapping survey for San Bernardino Kangaroo rat (*Dipodomys merriami parvus*, SBKR) on approximately 20-acres in the City of Yucaipa. The site was determined to have potential to support SBKR during an initial habitat assessment by VCS Environmental and Kidd Biological, Inc. This survey was conducted to determine if the site is occupied by SBKR. No SBKR were trapped in the study area in June 2022. No SBKR have been reported in the vicinity.

Site Location

Generally, the site is located north of Interstate 10, east of Highway 210 (Foothill Freeway), and south of Highway 38 (Mill Creek Road). More specifically, the site is located in at the northwest corner of the intersection of Oak Glen Road and Bryant Street (Figure 1). The Riverside County line is located 3 miles south of the site.

Ecologically, the site is located south of the Crafton Hills and the San Bernardino Mountains, north of Oak Glen Creek and immediately south of Wilson Creek. The project location can also be described as being located in Section 25 of Township 1 South, Range 2 West of the Yucaipa, California U.S. Geological Survey (USGS) 7.5-minute topographic quadrangle map (Figure 2).

Proposed Project

Century Communities (project proponent) proposes to construct a new housing tract with numerous lots and associated infrastructure. At this time a finalized plan has not been developed.

Methods

Literature Review

Available information on the known sensitive resources in the area was reviewed. The literature review included a review of standard field guides and texts on sensitive and non-sensitive biological resources, as well as the following sources:

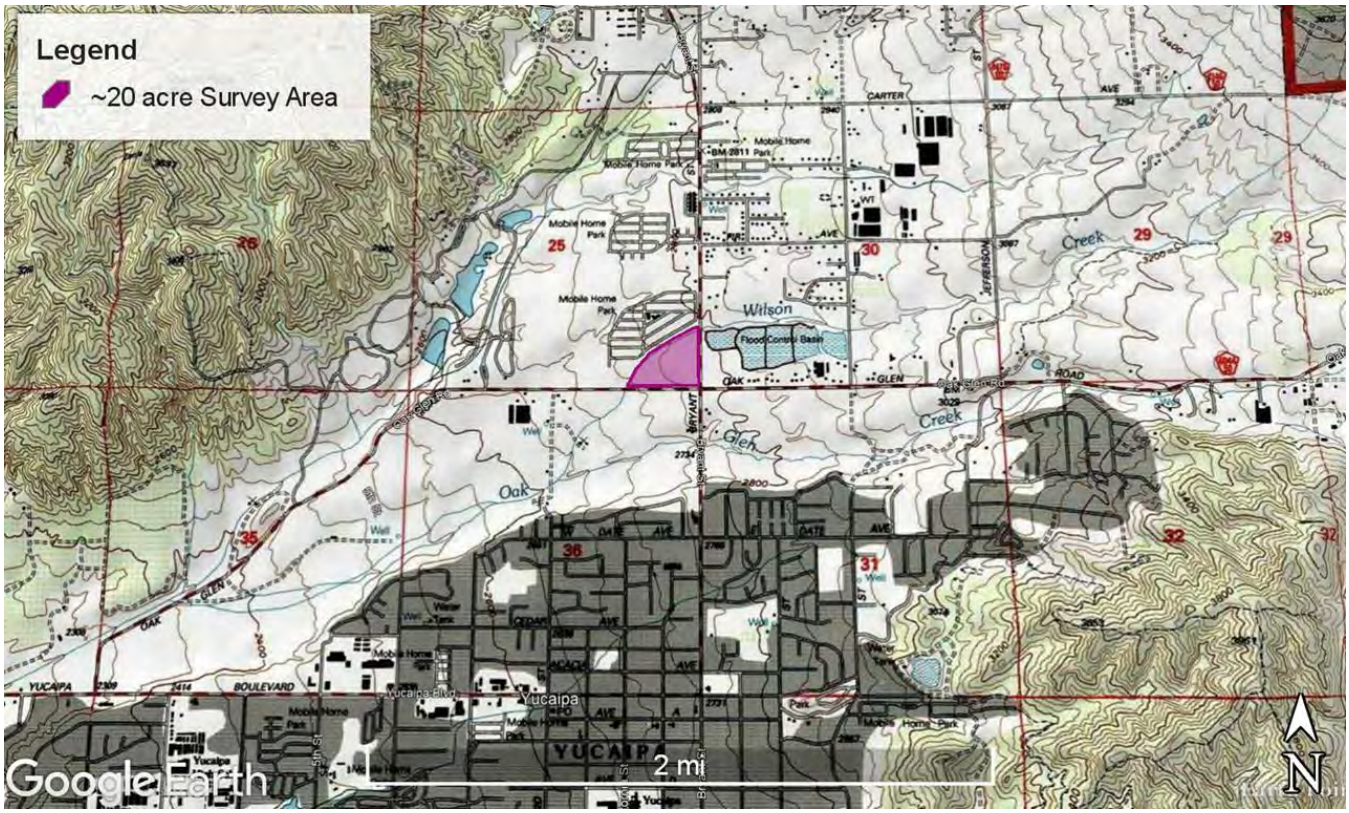
> *The Status and Known Distribution of the San Bernardino Kangaroo Rat (Dipodomys merriami parvus*): *Field surveys conducted between 1987 and 1996.* McKernan 1997.
>
> *Endangered and Threatened Wildlife and Plants; Proposed Rule to List the San BernardinoKangaroo Rat as Endangered; and Notice of Public Hearing, U.S. Fish and Wildlife Service, 1998C.*

We also reviewed other available technical information on the biological resources of the site, including previous trapping surveys on this site and other near-by sites.

FIGURE 1. SURVEY AREA



FIGURE 2. SITE LOCATION ON YUCAIPA, CA USGS TOPO GRAPHIC MAP



Habitat Evaluation Surveys

Field surveys and focused trapping for SBKR were performed by Mr. Jason Berkley for Kidd Biological, Inc., who holds a U.S. Fish and Wildlife Service permit to trap and handle San Bernardino Kangaroo rats, and to conduct field studies on sensitive small mammals in Southern California (TE-009015-5), and a California Department of Fish and Wildlife (CDFW) Scientific Collection Permit and Memorandum of Understanding to trap small mammals.

Trapping Surveys

Trapping was conducted according to protocols established for the SBKR. The protocol requires five consecutive nights of trapping, when the animal is active above ground. The trapping survey was conducted June 20-24, 2022 where a total of 9 trapping lines were set with 6-12 traps set per line. Traps were placed in suitable habitat areas within the study area, concentrating on locating traps in areas containing sandy soils and suitable vegetation. Areas with kangaroo rat/small mammal sign were also targeted.

Each trap was baited with a mixture of bird seed and rolled oats placed at the back of the traps. The traps were left in place, set at dusk each night and inspected once during the night and at dawn each morning. All animals were identified and released at the point of capture. Notes and photographs were taken on the habitat conditions where the traps were placed. The weather conditions at the time of the trapping studies were also noted.

Results

Literature Review

Several sensitive small mammal species were identified as potentially present in the vicinity of the project. They are the San Bernardino kangaroo rat, the San Diego pocket mouse, the Los Angeles pocketmouse, and the San Diego desert woodrat. Of the animal species potentially present, only the San Bernardino kangaroo rat requires specific survey protocols to establish presence or absence. These specific survey protocols are required for areas where impacts may occur to the sensitive species or their occupied habitat. The remaining species are usually identified through casual observation while trapping for targeted species.

Potential Sensitive Biological Resources

The CNDDB listed four sensitive small mammal species as potentially occurring within the project area and had at least some potential to be captured during the trapping surveys. These are described below.

San Bernardino Kangaroo Rat

The San Bernardino kangaroo rat (*Dipodomys merriami parvus,* SBKR) is one of three subspecies of the Merriam's kangaroo rat. The Merriam's kangaroo rat is a widespread species that can be found from the inland valleys to the deserts. The subspecies known as the SBKR, however, isconfined to inland valley scrub

communities, and more particularly, to scrub communities occurring along rivers, streams and drainage. Most of the drainages have been historically altered as a result of flood control efforts and the resulting increased use of river resources, including mining, off-road vehicle use and development. This increased use of river resources has resulted in a reduction in both the amount and quality of habitat available for the SBKR. The habitat of the SBKR is described as being confined to primary and secondary alluvial fan scrub habitats, with sandy soils deposited by fluvial(water) rather than aeolian (wind) processes. Burrows are dug in loose soil, usually near or beneath shrubs. The past habitat losses and potential future losses prompted the emergency listing of the SBKR as an endangered species (USFWS, 1998a).

Northwestern San Diego Pocket Mouse

The northwestern San Diego pocket mouse (*Chaetodippus fallax fallax,* SDPM) prefers habitat similar to that preferred by the SBKR. The northwestern San Diego pocket mouse occurs in open, sandy areas in the valleys and foothills of southwestern California. This species is designated at as a Species of Concern (CSC) by the California Department of Fish and Wildlife (CDFW).

Los Angeles Pocket Mouse

The Los Angeles pocket mouse (*Perognathus longimembris brevinasus,* LAPM) is one of two pocket mice found in this area of San Bernardino County. Both the LAPM and the SDPM occupy similar habitats, but the SDPM has a wider range extending south into San Diego County. The habitat of the LAPM is described as being confined to lower elevation grasslands and coast sage scrub habitats, in areas with soils composed of fine sands (Williams, 1986). The present known distribution of this species extends from Rancho Cucamonga west to Morongo and south to the San Diego County border. LAPM forages in open ground and underneath shrubs. Pocket mice in general dig burrows in loose soil, although this has not been completely documented for this subspecies. The LAPM is listed as a CSC by CDFW.

San Diego Desert Woodrat

The desert woodrat (*Neotoma lepida*) is a relatively wide-ranging species extending along the coast of California from south of San Francisco through to the border with Baja California. The coastal race of the desert woodrat, the San Diego desert woodrat (*N. lepida intermedia*), prefers scrub habitats such as coastal sage scrub, chaparral and alluvial fan sage scrub. It is more common in areas with rock piles and coarse sandy to rocky soils throughout coastal southern California. The range of this species extends from just south of Sacramento and the San Francisco area to the border with Baja California. The coastal subspecies of the widespread *Neotoma lepida intermedia* is listed as a CSC; its historical range has been impactedby the conversion of scrub habitats into residential, commercial and industrial use.

RESULTS

All surveys were performed the week of June 20-24, 2022 by permitted biologist, Jason Berkley. A total of 9 trap lines were set up for a total of 460 trap nights.

Weather Conditions

Weather conditions did not vary much during the course of the trapping survey. Morning temperatures were in the high sixties to low seventies (degrees Fahrenheit). Skies were clear. The moon was waning gibbous to waning crescent during the trapping event (57-18%).

TABLE 1– SURVEY CONDITIONS

Day	Cloud Cover	Night Temperature (°F)	Wind	Moon Phase
June 20	Clear	70	0	Waning Gibbous 57%
June 21	Clear	70	0	Last Quarter 46%
June 22	Cloudy	68	0	Waning Crescent 36%
June 23	Cloudy	68	0	Waning Crescent 27%
June 24	Clear	71	0	Waning Crescent 18%

Topography and Soils

The topography on the property is generally level across the site with elevations between 2,727 and 2,790 feet above mean sea level.

In general, surface soils on site are a mix of sand, gravel and river-wash cobbles. They are classified primarily as Tujunga loam sand (loamy sand alluvium) with the main channel of Wilson Wash being classified as Psamments, Fluvents and Frequently flooded soils (gravelly and sandy riparian) (USDA Soil Conservation Service 2022).

Vegetation

The study area is comprised of mature Alluvial fan sage scrub dominated by scale-broom (*Lepidospartum squamatum*) co-dominant with California buckwheat (*Eriogonum fasiculatum*), but also supports a broad diversity of other native shrubs and forbs, including western prickly pear (*Opuntia littoralis*), strigose lotus (*Acmispon strigosus*), blue elderberry (*Sambucus mexicana*), slender buckwheat (*Eriogonum gracile*), California tarragon (*Artemisia dracunculus*), white sage (*Salvia apiana*), chaparral yucca (*Yucca whipplei*), branching phacelia (*Phacelia ramosissima*), and California croton (*Croton californica*). Non-native species observed within this vegetation community include American tocalote (*Centaurea melitensis*), short-pod mustard, tree tobacco (*Nicotiana glauca*), and brome grasses (*Bromus* spp.). There are also disturbed areas with similar non-native species growing, as well as telegraph weed (*Heterotheca grandiflora*), common sunflower (*Helianthus annuus*), California croton and phacelia.

FOCUSED TRAPPING RESULTS

After a total of 460 trap nights, no San Bernardino kangaroo rat were caught during the trapping surveys. Northwestern San Diego pocket mice and San Diego desert woodrats, both state species of concern, were trapped in low numbers.

A total of five (5) small mammal species were captured as a result of the trapping effort:

- Dulzura kangaroo rat (*Dipodomys simulans*) (n=6)
- deer mouse (*Peromyscus maniculatus*) (n=51)
- Desert woodrat (*Neotoma lepida*) (this is presumably the *intermedia* sub species)(n=2)
- Northwestern San Diego pocket mouse (*Chaetodipus fallax fallax*)(n=30)

TABLE 2 – FOCUSED TRAPPING RESULTS

Trap Line	Trap Nights	DIPSIM	PERMAN	NEOLEP	CHAFAL
A	50	2 (0)	18 (3)	0 (0)	8 (6)
B	30	1 (0)	7 (5)	1 (0)	6 (5)
C	35	2 (0)	2 (0)	1 (0)	2 (4)
D	60	0 (0)	5 (6)	0 (0)	6 (6)
E	60	0 (0)	2 (0)	0 (0)	1 (1)
F	60	0 (0)	4 (0)	0 (0)	7 (1)
G	60	1 (0)	10 (6)	0 (0)	0 (0)
H	55	0 (0)	1 (0)	0 (0)	0 (0)
I	50	0 (0)	2 (2)	0 (0)	0 (0)
	460	6 (0)	51 (22)	2 (0)	30 (23)

(#) = Recaptured individuals
DIPSIM=*Dipodomys simulans*, Dulzura kangaroo rat
PERMAN=*Peromyscus maniculatus*, Deer mouse
NEOLEP=*Neotoma lepidic* cf. *intermedia*, Desert woodrat
CHAFAL= *Chaetodipus fallax fallax*, Northwestern San Diego Pocket Mouse

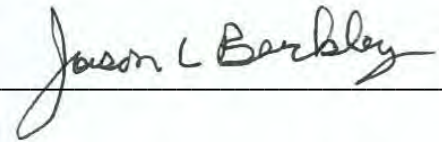
Conclusion

A total of five small mammal species were captured during the trapping surveys, two of which are sensitive species: Northwest San Diego Pocket Mouse and San Diego wood rat. These San Diego Pocket Mouse was found throughout the site in moderate numbers. The San Diego woodrat was only found on the southwestern corner of the property in low numbers. No SBKR or other federally-listed species were trapped or otherwise detected within the study area.

No SBKR have been documented in the immediate area. They have not been reported in association with Wilson Creek. The County of San Bernadino Flood Control was contacted to inquire if any trapping for SBKR had been conducted at the site. No trapping was reported, however a report prepared in 2016 (Jericho Systems Inc, 2016) was provided. No SBKR were trapped at this nearby location. It presumed that SBKR are absent from this area and the Wilson Creek Wash.

CERTIFICATION

I hereby certify that the statements furnished above and in the attached exhibits present data and information required for this biological evaluation, and that the facts, statements, and information presented are true and correct to the best of my knowledge and belief. This report was prepared in accordance with professional requirements and recommended protocols for small mammal trapping studies.

Jason Berkley_____ July 7, 2022

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Attachment A: Site Photos

PICTURE 1. LOOKING NORTHEAST AT TRAPPING AREA

PICTURE 2. LOOKING SOUTHEAST AT TRAPPING AREA

PICTURE 3. LOOKING NORTHEAST AT TRAPPING AREA

PICTURE 4. DULZURA KANGAROO RAT

From: jberkley cereusenvironmental.com <jberkley@cereusenvironmental.com>
Sent: Tuesday, February 22, 2022 5:08 PM
To: Stacey Love
Subject: 15-day notice SBKR Yucaipa 20 Acres 2022 (TE-009015-5)
Attachments: 15-day notice SBKR Yucapia 20 Acres 2022 (TE-009015-5).pdf

Hello Stacey,

Please find attached the 15-day notice to conduct an SBKR survey on 20 acres in Yucaipa, once the weather and moon phase are suitable after the 15-days. Let me know if you have any questions.

Jason

Jason Berkley
Wildlife Biologist
Cereus Environmental
13480 Norton Ave
Chino, CA 91710
P: 714-493-1120
F: 909-464-1830

jberkley@cereusenvironmental.com

CEREUS
environmental

February 22, 2022

Ms. Stacey Love
U.S. Fish and Wildlife Service, Carlsbad Field Office
2177 Salk Road, Suite 250
Carlsbad, California 93008

Subject: **Notice to perform San Bernardino Kangaroo Rat presence/absence surveys on 20 acres for the Century Communities Property in Yucaipa, California.**

Dear Stacey,

Century Communities is proposing to construct a housing tract on 20-acres in Yucaipa. This site supports habitat capable of supporting the federally endangered San Bernardino kangaroo rat (*Dipodomys merriami parvus*, SBKR). I have been contracted to conduct focused protocol presence/absence surveys to ensure no SBKR occur within the project footprint.

Generally, the site is located north of Interstate 10, east of Highway 210, and south of Highway 38 (Mill Creek Road). More specifically, the site is located in at the northwest corner of the intersection of Oak Glen Road and Bryant Street (Figure 1). The Riverside County line is located 3 miles south of the site. Ecologically, the site is located south of the Crafton Hills and the San Bernardino Mountains, north of Oak Glen Creek and immediately south of Wilson Creek. The project location can also be described as being located in Section 25 of Township 1 South, Range 2 West of the Yucaipa, California U.S. Geological Survey (USGS) 7.5-minute topographic quadrangle map (Figure 2). No SBKR have been reported in the immediate area however, it does not appear that many studies have been done within the Wilson Creek Watershed; however, the habitat is somewhat suitable.

Surveys will be in accordance with U.S. Fish and Wildlife (USFWS) protocol. Survey methodology will employ standard and accepted scientific procedures and will include one trapping bout, a total of 5 nights, using up to approximaltey 280 traps per night. All surveys will be conducted using 12" and 9" Sherman live traps. Each trap will be set and baited at sunset and checked at midnight and sunrise. All species captured will be identified, sexed, aged, measured, weighed, and mapped.

I would like to start the trapping as soon as the 15-day window is complete depending on moon phase and temperatures.

If you have any questions or comments regarding this letter, please contact me directly at (714) 493-1120. I appreciate your attention to this notification.

Sincerely
Jason L Berkley
Jason Berkley
TE-009015-5

RESIDENCES AT OAK GLEN CREEK SPECIFIC PLAN DEVELOPMENT

APPENDIX C – PHASE I CULTURAL RESOURCES ASSESSMENT

Phase I Cultural Resources Assessment

NW Corner of Oak Glen Road and Bryant Street Project

City of Yucaipa, San Bernardino County, California

PREPARED FOR:

Century Communities
4695 MacArthur Court, Suite 300
Newport Beach, California 92660
Contact: Brian Taylor, Director of Forward Planning
949.420.9531



PREPARED BY:

VCS Environmental
30900 Rancho Viejo Road, Suite 100
San Juan Capistrano, California 92675
Contact: Patrick O. Maxon, M.A., RPA, Director, Cultural Services
949.489.2700

February 2022

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A Cultural Resources Records Search (SCCIC)
B Paleontological Resources Records Search (NHMLAC)
C Native American Heritage Commission (NAHC)
D Personnel Qualifications

National Archaeological Database (NADB) Information Sheet

Cultural Resources Assessment for the NW Corner of Oak Glen Road and Bryant Street Project City of Yucaipa, San Bernardino County, California

by
Patrick Maxon, M.A., RPA

February 2022

Submitted by:

Patrick Maxon M.A., RPA
VCS Environmental
30900 Rancho Viejo Road, Suite 100
San Juan Capistrano, California 92675
T: (949) 489-2700

Submitted to:

Century Communities
4695 MacArthur Court, Suite 300
Newport Beach, California 92660

USGS Yucaipa, CA 7.5-Minute Quadrangle; Township 1 South; Range 2 West, Section 25 (S.B.B.M).

Project site: 19.1 acres

Investigation: Literature reviews, pedestrian field survey, Tribal scoping

Key Words: SCCIC; NHMLAC, NAHC, ARMR

MANAGEMENT SUMMARY

Purpose and Scope

Vandermost Consulting Services, Inc. dba as VCS Environmental, has prepared this Phase I Cultural Resources Assessment for the NW Corner of Oak Glen and Bryant Street Project, City of Yucaipa, San Bernardino County (Project). The City of Yucaipa is the California Environmental Quality Act (CEQA) lead agency.

The format of this report follows *Archaeological Resource Management Reports (ARMR): Recommended Contents and Format* (Office of Historic Preservation 1990).

Dates of Investigation

A cultural resources literature review was completed on December 13, 2021 at the South Central Coastal Information Center (SCCIC) by Michelle Galaz at the California State University, Fullerton (Attachment A). A paleontological resources literature review was completed by Alyssa Bell at the National History Museum Los Angeles County on September 29, 2021 (Attachment B). A positive Sacred Lands File Search and Tribal contacts list was received from the Native American Heritage Commission (NAHC) on November 4, 2021 (Attachment C). A cultural resources survey of the 18-acre Project site was conducted by Mr. Maxon on December 17, 2021. This report was completed in January 2022.

Findings of Investigation

Implementation of the proposed Project would not adversely affect any known significant historical resources. The area, however, is known to contain historical resources. Mitigation measures are recommended:

- The SCCIC records search failed to identify any cultural resource recorded within the Project site boundary.
- Three cultural resources studies have previously been completed that include the Project site.
- The NAHC Sacred Lands File search yielded a positive result. The San Manuel Band of Mission Indians should be contacted for information regarding the positive finding.
- The paleontological records search revealed that the Project site is underlain by Quaternary alluvium from Wilson Creek that previously flowed across the site. Older Quaternary Alluvium is mapped in the northern portion of the Project site.
- The field survey was negative.

Investigation Constraints

The Project site in undeveloped. The Wilson Channel defines the western and northern boundaries of the Project site.

Summary and Recommendations

Implementation of the proposed Project would not adversely affect any existing known significant historical, archaeological, or paleontological resources; however, because historical resources are recorded near the Project site, the SLF search was positive, and the Project site sediments are paleontological

sensitive, mitigation is recommended. These mitigation measures are offered with the understanding that the City of Yucaipa may have its own standard mitigation measures that it prefers to use for its projects.

ARCHAEOLOGICAL RESOURCES

Retention of a qualified archaeologist and Tribal representative to monitor grading of the site is recommended. It is likely that Tribes will request monitoring during AB 52 consultation. At the Project pre-grading meeting, the archaeologist, the Native American tribal representative(s), the Applicant, and the excavation and grading contractor shall discuss appropriate grading and ground disturbing methods within archaeologically and culturally sensitive areas within the Project. Should the archaeologist, after consultation with the appropriate Native American tribe(s), find the potential exists for impacts to archaeological resources, cultural resources and/or sacred sites, the archaeologist and the Native American tribal representative(s) shall actively monitor Project-related grading and shall have the authority to temporarily divert, redirect, or halt grading activity to allow recovery of archaeological and/or cultural resources.

PALEONTOLOGICAL RESOURCES

Deeper excavations that extend down into older sedimentary deposits could uncover significant fossil vertebrate remains. Any substantial excavations in the proposed Project area, therefore, should be monitored closely to recover any fossil remains discovered quickly and professionally while not impeding development. Also, sediment samples may be collected and processed to determine the small fossil potential in the proposed Project area. Any fossils recovered during mitigation should be deposited in an accredited and permanent scientific institution for the benefit of current and future generations. With implementation of Mitigation Measures PALEO-1 and PALEO-2, potential impacts to paleontological resources or site or unique geologic features would be less than significant.

PALEO-1: The Applicant shall retain a qualified paleontologist to observe grading activities and salvage and catalogue fossils, as necessary. The paleontologist shall be present at the pre-grade conference, shall establish procedures for paleontological resource surveillance, and shall establish, in cooperation with the Applicant and City, procedures for temporarily halting or redirecting work to permit sampling, identification, and evaluation of the fossils. If the paleontological resources are found to be significant, the paleontologist shall determine appropriate actions, in cooperation with the Applicant, which ensure proper exploration and/or salvage.

PALEO-2: If paleontological resources are uncovered and after completion of the Project, the Applicant shall submit the paleontologist's follow-up report for approval by the City of Yucaipa. The report shall include the period of inspection, a catalogue and analysis of the fossils found, and the present repository of the fossils. Excavated material shall be prepared to the point of identification. The Applicant shall offer excavated finds for curatorial purposes to the City of Yucaipa or its designee, on a first refusal basis. These actions, as well as final mitigation and disposition of the resources, shall be subject to approval by the City of Yucaipa. Applicant shall pay curatorial fees for the storage of these resources in perpetuity.

HUMAN REMAINS

Project-related earth disturbance has the potential to unearth previously undiscovered human remains, resulting in a potentially significant impact. If human remains are encountered during excavation activities, all work shall halt and the County Coroner shall be notified (*California Health and Safety Code,* §7050.5).

The Coroner will determine whether the remains are of forensic interest. If the Coroner determines that the remains are prehistoric, he/she will contact the Native American Heritage Commission (NAHC) within 24 hours. The NAHC is responsible for immediately designating the most likely descendant (MLD), who will be responsible for the ultimate disposition of the remains, as required by Section 5097.98 of the *California Public Resources Code.* The MLD shall make his/her recommendation within 48 hours of being granted access to the site. The MLD's recommendation shall be followed if feasible and may include scientific removal and non-destructive analysis of the human remains and any items associated with Native American burials. If the landowner rejects the MLD's recommendations, the landowner shall rebury the remains with appropriate dignity on the property in a location that will not be subject to further subsurface disturbance.

Disposition of Data

This report will be filed with the Applicant, the City of Yucaipa, VCS, and at the SCCIC. All field notes and other documentation related to the study are on file at VCS.

1.0 UNDERTAKING INFORMATION/INTRODUCTION

1.1 Contracting Data

VCS Environmental (VCS) was retained by Century Communities to complete a Phase I Cultural Resources Assessment for the proposed Project at the NW Corner of Oak Glen and Bryant Street, City of Yucaipa, San Bernardino County, California.

VCS completed this Phase I Cultural Resources Assessment, under the California Environmental Quality Act (CEQA), for inclusion in the Project environmental document. The format of this report follows *Archaeological Resource Management Reports (ARMR): Recommended Contents and Format* (Office of Historic Preservation 1990).

This report details the findings of the investigation and offers management recommendations and mitigation measures to evaluate any discoveries and to reduce the impact of the Project on resources to a less than significant level.

1.2 Undertaking

The Project proposes to develop ….

1.3 Project Location

The Project area encompasses 19.1 acres in the City of Yucaipa, San Bernardino County. The Project site is a triangular-shaped area located along the northeast corner of Oak Glen Road and Bryant Street in the City of Yucaipa. The Wilson Creek channel defines the west and north sides of the site. The Project site topography consists of a relatively flat site within the historical braided channel of Wilson Creek, now channelized.

The Project is located in Township 1 South, Range 2 West, Section 25 of the United States Geological Survey (USGS) *Yucaipa* 7.5-minute quadrangle (S.B.B.M.) (Figure 1 depicts the regional and specific location of the Project site). Figure 2 is an aerial photograph.

1.4 Project Personnel

Patrick O. Maxon, M.A., RPA requested the literature reviews from the SCCIC and NHMLAC, received the SLF search from the NAHC, conducted the field survey, and authored this report. Refer to Attachment D for qualifications.

2.0 REGULATORY SETTING

This section contains a discussion of the applicable laws, ordinances, regulations, and standards that govern cultural resources and must be adhered to both prior to and during Project implementation.

2.1 California Environmental Quality Act

CEQA requires a lead agency to determine whether a project would have a significant impact on one or more historical resources. According to Section 15064.5(a) of the State CEQA Guidelines, a "historical resource" is defined as a resource listed in or determined to be eligible for listing in the California Register of Historical Resources (CRHR) (PRC §21084.1); a resource included in a local register of historical resources (14 CCR §15064.5[a][2]); or any object, building, structure, site, area, place, record, or manuscript that a lead agency determines to be historically significant (14 CCR §15064.5[a][3]).

Section 5024.1 of the PRC, Section 15064.5 of the State CEQA Guidelines (14 CCR), and Sections 21083.2 and 21084.1 of the CEQA Statutes were used as the basic guidelines for the cultural resources study. PRC 5024.1 requires evaluation of historical resources to determine their eligibility for listing in the CRHR. The purposes of the CRHR are to maintain listings of the State's historical resources and to indicate which properties are to be protected from substantial adverse change. The criteria for listing resources in the CRHR, which were expressly developed to be in accordance with previously established criteria developed for listing in the National Register of Historic Places (NRHP) (per the criteria listed at 36 CFR §60.4), are stated below (PRC §5024.1).

> Any object, building, structure, site, area, place, record, or manuscript which a lead agency determines to be historically significant or significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California may be considered a historical resource . . . Generally, a resource shall be considered by a lead agency to be "historically significant" if the resource meets the criteria for listing on the California Register of Historical Resources including the following:
>
> (a) Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage; or
>
> (b) Is associated with the lives of persons important in our past; or
>
> (c) Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values; or
>
> (d) Has yielded, or may be likely to yield, information important in prehistory or history.

Impacts that would materially impair the significance of a resource listed in or eligible for listing in the CRHR are considered to have a significant effect on the environment. Impacts to historical resources from the proposed Project are considered significant if the Project (A) demolishes or materially impairs in an adverse manner those physical characteristics that convey its historical significance and that justify its inclusion in, or eligibility for, the California Register; (B) demolishes or materially impairs in an adverse manner those physical characteristics that account for its inclusion in a local register; or (C) demolishes or materially impairs in an adverse manner those physical characteristics that convey its historical significance and that justify its eligibility for inclusion in the California Register as determined by a lead agency (§15064.5[b][2]).

The purpose of a Phase I cultural resources investigation is to evaluate whether any cultural resources remain exposed on the surface of a project site or whether any cultural resources can reasonably be expected to exist in the subsurface. If resources are discovered, additional investigations would be required to evaluate the resources for CRHR eligibility and appropriate management of these resources would be required prior to Project implementation.

Broad mitigation guidelines for treating historical resources are codified in Section 15126.4(b) of the CEQA Guidelines. Public agencies should seek to avoid significant impacts to historical resources, with preservation in place being the preferred alternative. If not feasible, a data recovery plan shall be prepared to guide subsequent excavation. Mitigation for historical resources such as buildings, bridges, and other structures that are consistent with the Secretary of the Interior's Standards for the Treatment of Historic Properties (Weeks and Grimmer 1995) will generally be considered mitigated below a level of significance.

2.2 Assembly Bill (AB) 52

This Project is subject to the requirements of Assembly Bill (AB) 52. AB 52 is applicable to projects that have filed a Notice of Preparation (NOP) of an Environmental Impact Report (EIR) or notice of a Mitigated Negative Declaration (MND) or Negative Declaration (ND) on or after July 1, 2015. The law requires lead agencies to initiate consultation with California Native American Tribes that are traditionally and culturally affiliated with the geographic area of the project and have requested such consultation, prior to determining the type of CEQA documentation that is applicable to the project (i.e., EIR, MND, ND). Significant impacts to "tribal cultural resources" are considered significant impacts to the environment.

For "tribal cultural resources," PRC §21074, enacted and codified as part of a 2014 amendment to CEQA through Assembly Bill 52, provides the statutory definition as follows:

"Tribal cultural resources" are either of the following:

1. Sites, features, places, cultural landscapes, sacred places, and objects with cultural value to a California Native American tribe that are either of the following:
    A. Included or determined to be eligible for inclusion in the California Register of Historical Resources.
    B. Included in a local register of historical resources as defined in subdivision (k) of Section 5020.1.
2. A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Section 5024.1. In applying the criteria set forth in subdivision (c) of Section 5024.1 for the purposes of this paragraph, the lead agency shall consider the significance of the resource to a California Native American tribe.

To determine if such resources exist, under AB 52 (PRC §21080.3.1) lead agencies must consult with tribes that request consultation and must make a reasonable and good faith effort to mitigate the impacts of a development on such resources to a less than significant level. AB 52 allows tribes 30 days after receiving notification to request consultation and the lead agency must then initiate consultation within 30 days of the request by tribes.

The City of Yucaipa is undertaking AB 52 consultation with interested tribes.

2.3 Senate Bill (SB) 18

Senate Bill 18 (SB 18) (California Government Code Section 65352.3) sets forth requirements for local governments to consult with Native American tribes to aid in the protection of traditional tribal cultural places through local land use planning. The intent of SB 18 is to provide California Native American tribes an opportunity to participate in local land use decisions at an early stage of planning for the purpose of protecting, or mitigating impacts on, cultural places. The Tribal Consultation Guidelines: Supplement to General Plan Guidelines (OPR 2005), identifies the following contact and notification responsibilities of local governments:

- Prior to the adoption or any amendment of a general plan or specific plan, a local government must notify the appropriate tribes (on the contact list maintained by the Native American Heritage Commission [NAHC]) of the opportunity to conduct consultations for the purpose of preserving, or mitigating impacts to, cultural places located on land within the local government's jurisdiction that is affected by the proposed plan adoption or amendment. Tribes have 90 days from the date on which they receive notification to request consultation unless a shorter timeframe has been agreed to by the tribe (Government Code Section 65352.3).
- Prior to the adoption or substantial amendment of a general plan or specific plan, a local government must refer the proposed action to those tribes that are on the NAHC contact list and have traditional lands located within the city or county's jurisdiction. The referral must allow a 45-day comment period (Government Code Section 65352). Notice must be sent regardless of whether prior consultation has taken place. Such notice does not initiate a new consultation process.
- Local government must send a notice of a public hearing, at least 10 days prior to the hearing, to tribes who have filed a written request for such notice (Government Code Section 65092).

2.4 City of Yucaipa

Goal PR-6: Cultural and Paleontology from the City of Yucaipa General Plan (Yucaipa 2016) is designed to protect and preserve the City's archaeological, historical, and other cultural resources as reminders of its heritage and values.

Policies:

PR-6.1 Historic Resource Program. Establish a formal historic and cultural resources program, in partnership with community groups, whereby the City can become a Certified Local Government.

PR-6.2 Resource Identification. Work with the Yucaipa Valley Historical Society to inventory cultural resources (archaeological and historical); prepare site records for identified resources.

PR-6.3 Cultural Resources Overlay. Require developers of qualified projects to adhere to requirements of the cultural resources overlay district and applicable laws that require the identification, preservation of, and mitigation of potential impacts to cultural resources.

PR-6.4 Resource Preservation. Actively cooperate with Yucaipa Valley Historical Society and partners to preserve historic buildings, structures, districts, sites, objects, landscapes, and natural resources.

PR-6.5 **Cultural Reminders.** Seek to incorporate reminders of Yucaipa's culture in the built and natural environment through adaptive reuse, signage, markers, and other reminders of Yucaipa's cultural heritage.

PR-6.6 **Native American Consultation.** Continue to offer and conduct consultations with the Native American Heritage Commission on development proposals in accordance with state and federal law.

PR-6.7 **Education.** Encourage public awareness of Yucaipa's history through cooperative efforts with Yucaipa Valley Historical Society, county and local museums, Yucaipa Cultural Arts Center, Crafton Hills College, and others.

2.5 Human Remains

Section 7050.5 of the *California Health and Safety Code* provides for the disposition of accidentally discovered human remains. Section 7050.5 states that, if human remains are found, no further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent remains shall occur until the County Coroner has determined the appropriate treatment and disposition of the human remains.

Section 5097.98 of the PRC states that, if remains are determined by the Coroner to be of Native American origin, the Coroner must notify the NAHC within 24 hours which, in turn, must identify the person or persons it believes to be the most likely descended from the deceased Native American. The descendants shall complete their inspection within 48 hours of being granted access to the site. The designated Native American representative would then determine, in consultation with the property owner, the disposition of the human remains.

3.0 SETTING

3.1 Natural

The Project site is located immediately south of the channelized Wilson Creek in the Yucaipa Valley, which consists of alluvial fans, creeks, and washes originating in the San Bernardino Mountains to the north. The majority of the site is disturbed due to mowing activities and trails winding through the site. An access road divides Wilson Creek and the Project site; south of this access road it appears that limited impacts had occurred including dumping of materials and some mechanical soil disturbance. One earthen channel feature is located within the eastern portions of the site and flows in a southerly direction into an existing flood control channel to the south. The remainder of the Project site appears to have been farmed from 1997 – 2007. In 2007, extensive material was removed from two areas of the site, possibly for borrow at nearby development. The borrow pit areas present within the Project site support scale broom scrub habitat and the rest of the site is disturbed/maintained. The Project site is generally flat with elevations ranging from approximately 676 to 703 feet (206 to 214 meters) above mean sea level (MSL).

3.2 Cultural

A long-standing tenet of New World archaeology has been that man did not arrive in the western hemisphere until about 10,000 to 11,000 Years Before Present (YBP). Some researchers have argued for earlier dates of entry, but the evidence has not been universally accepted by archaeologists. With more recent evidence, that is beginning to change (Dixon 1993; Adovasio and Page 2002; Johnson et al. 2002; Holen et al. 2017).

Most of the generally accepted early remains indicate a very small, mobile population apparently dependent on hunting large game animals as the primary subsistence strategy. However, recent evidence suggests that some very early people may have had a more sedentary lifestyle and probably relied upon a variety of resources (see Adovasio and Page 2002 for a discussion of the Monte Verde, Chile site). While early populations certainly used other resources, the bulk of the few traces remaining today are related to game hunting. This situation results from the fact that hunting equipment involved many lithic tools that do not decay, while the rest of the material culture used wood or leather, which are more subject to attrition through taphonomic (post depositional processes) factors. Lithic artifacts are the only surviving material from the Paleo-Indian Period (please see description below for definition). These consist primarily of large and extremely well-made projectile points and large but cruder tools such as scrapers and choppers. Encampments were never permanent, but were probably sited near a major kill. Occupation would have lasted only until the resources of that kill were exhausted. Such an economy, using only a small fraction of the available resources would not have supported a large population. It is probable that the Paleo-Indians lived in groups no larger than extended families and that contact with other such groups was infrequent.

Several chronologies are generally used to describe the sequence of the later prehistoric periods of coastal Southern California. William Wallace (1955) developed the first comprehensive California chronologies and defines four periods for the southern coastal region. Wallace's synthesis is largely "descriptive and classificatory, emphasizing the content of archaeological cultures and the relationships among them" (Moratto 1984:159). Wallace relies upon the concept of cultural horizons, which are generally defined by the temporal and spatial distribution of a set of normative cultural traits, such as the distribution of a group of commonly associated artifact types. As a result, his model does not allow for much cultural variation within the same time period, nor does it provide precise chronological dates for each temporal division.

Nevertheless, although now over 50 years old, the general schema of the Wallace chronology has provided a general framework for Southern California prehistory that remains valid today.

By the late 1960s, radiocarbon dates and assemblage data were more widely available for many Southern California archaeological sites. Based on these new data, Warren (1968) synthesizes Southern California prehistory into five traditions which, unlike Wallace's horizons, account for more regional variation in the same time period. Defined as "a generic unit comprising historically related phases," traditions were not strictly sequential temporal units (Warren 1968). That is, different traditions could co-exist in the same region or in neighboring regions at the same time.

Horizon I: Early Man or Paleo Indian Period (11,000 BCE to 7,500 BCE[1]). While initially termed Early Man Horizon (I) by Wallace (1955), this early stage of human occupation is commonly referred to as the Paleo Indian Period today (Chartkoff and Chartkoff 1984:24). As discussed above, the precise start of this period is still a topic of considerable debate. At inland archaeological sites, the surviving material culture of this period is primarily lithic, consisting of large, extremely well made stone projectile points and tools such as scrapers and choppers. Encampments were probably temporary, located near major kills or important resource areas. The San Dieguito Tradition, defined by Warren at the stratified C.W. Harris site in San Diego County, is encompassed by this period of time (Moratto 1984:97).

Horizon II: Milling Stone Assemblages (7,500 BCE to 1,000 BCE). Encompassing a broad expanse of time, the Milling Stone Period was named for the abundant millingstone tools associated with sites of this period. These tools, the mano and metate, were used to process small, hard seeds from plants associated with shrub-scrub vegetation communities. An annual round of seasonal migrations was likely practiced with movements coinciding with ripening vegetal resources and the periods of maximal availability of various animal resources. Along the coast, shell midden sites are common site types. Some formal burials, occasionally with associated grave goods, are also evident. This period of time is roughly equivalent to Warren's (1968) Encinitas Tradition. Warren (1968) suggests that, as millingstones are common and projectile points are comparatively rare during this time period, hunting was less important than the gathering of vegetable resources.

However, more recent studies (Koerper 1981; Koerper and Drover 1983) suggest that a diversity of subsistence activities, including hunting of various game animals, were practiced during this time period. At present, little is known about cultural change during this period of time in Southern California. While this lack of noticeable change gives the appearance of cultural stasis, almost certainly many regional and temporal cultural shifts did occur over the course of this time period. Future research that is focused on temporal change in the Milling Stone Period would greatly benefit the current understanding of Southern California prehistory. One avenue of research that could help accomplish this goal would be a synthesis of the growing amount of archaeological "gray" literature involving cultural resource mitigation of Milling Stone Period sites in the Orange County area.

Horizon III: Intermediate Cultures (1,000 BCE to 750 CE). The Intermediate Period is identified by a mixed strategy of plant exploitation, terrestrial hunting, and maritime subsistence strategies. Chipped stone tools (e.g., projectile points) generally decrease in size, but increase in number. Abundant bone and shell remains have been recovered from sites dating to these time periods. In coastal areas, the introduction of the circular shell fishhook and the growing abundance of fish remains in sites over the course of the period suggest a substantial increase in fishing activity during the Intermediate Period. It is also during this time period that mortar and pestle use intensified dramatically. The mano and metate continued to be in use

[1] BCE stands for "Before Common Era" and CE stands for "Common Era". These alternative forms of "BC" and "AD", respectively, are used throughout this document.

on a reduced scale, but the greatly intensified use of the mortar and pestle signaled a shift away from a subsistence strategy based on seed resources to that of the acorn. It is probably during this time period that the acorn became the food staple of the majority of the indigenous tribes in Southern California. This subsistence strategy continued until European contact. Material culture generally became more diverse and elaborate during this time period and included steatite containers, perforated stones, bone tools, ornamental items, and asphalt adhesive.

While Warren recognizes the start of the Campbell Tradition in the Santa Barbara region at roughly the beginning of the Intermediate Period, he did not see clear evidence of cultural change farther south. As a result, the Encinitas Tradition in Southern California encompasses both the Milling Stone and Intermediate Periods in Warren's chronology (1968:2, 4). However, the more recent chronological schema by Koerper and Drover (1983) clearly recognizes an Intermediate Period in Southern California. They suggest that Warren's inability to recognize an intermediate cultural stage was likely due to "the lack of conclusive data in 1968" (1983:26).

Horizon IV: Late Prehistoric Cultures (750 CE to 1769 CE). During the Late Prehistoric Period, exploitation of many food resources, particularly marine resources among coastal groups, continued to intensify. The material culture in the Late Prehistoric Horizon increased in complexity in terms of the abundance and diversity of artifacts being produced. The recovery and identification of a number of small projectile points during this time period likely suggests a greater utilization of the bow and arrow, which was likely introduced near the end of the Intermediate Period. Shell beads, ornaments, and other elements of material culture continue to be ornate, varied and widely distributed, the latter evidence suggestive of elaborate trade networks. Warren's (1968) scheme divides the late prehistoric period into several regional traditions. Western Riverside County, Orange County, and the Los Angeles Basin area are considered part of the "Shoshonean" tradition, which may be related to a possible incursion of Takic speakers into these areas during this period. The Late Prehistoric Period includes the first few centuries of early European contact (1542 CE to 1769 CE); this period is also known as the Protohistoric Period, as there was a low level of interaction between native Californians and Europeans prior to Portolá's overland expedition in 1769.

In the few centuries prior to European contact, the archaeological record reveals substantial increases in the indigenous population (Wallace 1955:223). Some village sites may have contained as many as 1,500 individuals. Apparently, many of these village sites were occupied throughout the year rather than seasonally. This shift in settlement strategy was likely influenced by improved food procurement and storage technology, which enabled population growth and may have helped stimulate changes in sociopolitical organization.

Evidence is growing that prehistoric cultural change has been much more variable through time and across culture areas than previously thought. Cultural traits such as maritime economies, seafaring, complex trade networks, and year-round occupation of villages appear to have developed much earlier than previously thought. Culture change during the Late Prehistoric Period, in particular, may have been driven more by environmental and resource pressures than optimal adaptation to the environment (Byrd and Raab 2007).

3.2.1 Ethnography

According to Bean and Smith (1978:570) The Serrano peoples' traditional territory included the Yucaipa Valley. The ethnohistoric villages of Yukaipa't, that was located in the western portion of the Yucaipa Valley, is two to three miles to the southwest of the Project site. The Serrano lived in the valley for most of the year but would make excursions into the mountains to gather acorns and other items during harvest season. The Yukaipa't site is presently designated California Historical Landmark No. 620.

The contact with the Cahuilla on their eastern flank was at the point where the alluvial fan area near the southern portion of Yucaipa transitions to the San Gorgonio Pass to the east. The two groups likely interacted most in this area.

Serrano

The Serrano occupied this region in pre-European times, as the San Bernardino Pass was the transition area between the Pass Cahuilla, westernmost of the Cahuilla Bands, and the Serrano. It is unclear precisely where the Serrano lands transitioned to the Cahuilla.

The Serrano peoples occupied the San Bernardino Mountains area east of Cajon Pass and north near Victorville, eastward to Twentynine Palms and south to the Yucaipa Valley, and very close to the current Project. They also occupied a stretch of lowland south of the mountains from Cucamonga east to Mentone and partially up San Timoteo Canyon (Kroeber 1925). Elevations range from 1,500 feet amsl in the desert to over 11,000 feet amsl in the San Bernardino Mountains (Bean and Smith 1978).

The Serrano, along with the Vanyume and Kitanemuk, spoke the Serran dialect of the Takic linguistic family, part of the Uto-Aztecan Stock. These three groups are also culturally more similar to each other than the more distantly related Takic language speakers - the Gabrielino, Luiseño, Cahuilla, and Cupeño that were located to the south and west (Moratto 1984; Bean and Smith 1978).

The locations of Serrano villages were determined by accessibility to water; therefore, they typically lived in small villages near water sources. In addition to willow framed, tule thatched domed family dwellings, Serrano villages also included large ceremonial structures where the lineage leader resided. It also served as the center for each lineage (Bean and Smith 1978 571). Granaries, sweathouses, and ramadas were also present.

The Serrano subsistence economy consisted chiefly of hunting and gathering and occasional fishing. Acorns and Pinion nuts formed the staple vegetable food for foothill groups. These staples were supplemented by various roots, bulbs, shoots and seed. Game animals included deer, mountain sheep, antelope, rabbit and other rodents, and various birds – particularly quail (Bean and Smith 1978).

Cahuilla

The territory of the Cahuilla has been described as topographically diverse, “from the summit of the San Bernardino Mountains in the north to Borrego Springs and the Chocolate Mountains in the south, a portion of the Colorado Desert west of Orocopia Mountain to the east, and the San Jacinto Plain near Riverside and the eastern slopes of Palomar Mountain to the west” (Bean 1978:575). Three main divisions of the Cahuilla—Desert, Pass (or Western), and Mountain groups—were defined mainly by geographic distribution, but dialectic differentiation was apparent (Strong 1929). A network of trails linking Cahuilla villages and those of neighboring groups facilitated trade and maintenance of social ties. Core or “classic” Cahuilla territory is often regarded as the Coachella Valley and well-watered, palm-lined canyons at the eastern foot of the San Jacinto Mountains. The Pass (Western) Cahuilla interacted with the Serrano most intensely in the San Gorgonio Pass area.

The Cahuilla were hunter-gatherers who followed a seasonal round of utilizing various floral and faunal resources occurring in their territory (Bean 1972, 1978; Bean and Saubel 1972). Because Cahuilla territory was comprised of high mountains and arid lowlands, their seasonal round has been characterized as vertical rather than horizontal, with people moving upward and downward in layers of ecological zones ordered by elevation (Bean 1972). Settled villages were located near reliable water sources and within range of various resources (food, wood for fuel, and lithic materials for tools). Each village was composed of a group of

individuals that were related by blood or marriage and which retained its own specific hunting and resource collecting areas. Cahuilla lineage groups were linked together in a complex interaction sphere of trade, alliance, intermarriage, and ceremonial exchange with neighboring groups such as the Serrano, Luiseño, Cupeño, Juaneño, Gabrielino and desert groups to the north and east.

Major villages were fully occupied during winter, but during other seasons task groups headed out in periodic forays to collect available plant foods, with larger groupings from several villages organizing for annual acorn harvests. Bean and Saubel (1972) have recorded several hundred species of plants used by the Cahuilla for food, utilitarian materials, and medicines.

Cahuilla architecture consisted of dome-shaped and rectangular dwellings, a ceremonial house, sweathouse, and storage granaries. The Cahuilla were skilled in the making of basketry, pottery, and items fashioned from plant materials and animal skins. Stone tools consisted of two general types: ground stone tools (e.g., mortars, pestles, manos, and metates for pounding and grinding) and flaked stone tools (e.g., knives, drills, and projectile points for cutting and piercing). Ground stone tools were typically made from granite or other coarse stone. Flaked stone tools were typically made from chert, jasper, basalt, quartz, quartzite, obsidian, and other fine-grained stone in which breakage patterns could be controlled and sharp edges would result. Other types of tools and utilitarian articles were fashioned from wood and animal bone.

Distinctive rock paintings (pictographs) are located throughout Cahuilla territory, graphically illustrating ritual and ceremonial life (see Shepard 1996; Whitley 1996). Rock carvings (petroglyphs) also occur (Hedges 1973).

3.2.2 History

In California, the historic era is generally divided into three periods: the Spanish or Mission Period (1769 to 1821), the Mexican or Rancho Period (1821 to 1848), and the American Period (1848 to present). The Spanish Period is represented by exploration of the region; establishment of the San Diego Presidio and missions at San Gabriel and San Luis Rey; and the introduction of livestock, agricultural goods, and European architecture and construction techniques. The Old Spanish Trail, used by explorers, missionaries, and traders extended through the area.

The Mexican Period (1821-1848) began with Mexican independence from Spain and continued until the end of the Mexican-American War. The Secularization Act resulted in the transfer, through land grants (called ranchos) of large mission tracts to politically prominent individuals.

The American Period (1848-present) began with the Treaty of Guadalupe Hidalgo, and in 1850, California was accepted into the Union of the United States primarily due to the population increase created by the Gold Rush of 1849. The cattle industry reached its greatest prosperity during the first years of the American Period. Mexican Period land grants had created large pastoral estates in California, and demand for beef during the Gold Rush led to a cattle boom that lasted from 1849–1855. However, beginning about 1855, the demand for beef began to decline due to imports of sheep from New Mexico and cattle from the Mississippi and Missouri Valleys. When the beef market collapsed, many California ranchers lost their ranchos through foreclosure.

CITY OF YUCAIPA

The following history of Yucaipa is adapted from the City's General Plan (Yucaipa 2016).

Serrano society was left relatively intact during the period of initial Spanish colonialization. In 1772, Spanish explorer Pedro Fagès traveled through the region to identify native groups. Spanish influence on Serrano

life was negligible until the 1810s, when a mission was established near Serrano territory. By the end of the mission era in 1834, most Serrano had been relocated to nearby missions or forcibly moved to other reservations.

Agriculture in the Yucaipa Valley began during the 1810s with grazing for a satellite property of San Gabriel Mission's Rancho San Bernardino. In the 1830s, the Mexican government secularized California's missions, and the title for Rancho Yucaipa lands came into the possession of Antonio Maria Lugo in 1842. That same year Diego Sepulveda built an adobe, Rancho Yucaipa, which still stands today as California Historical Landmark No. 528.

The Rancho Yucaipa lands soon became known for agriculture and grazing, with thousands of sheep and cattle. Mormon settlers who founded the town of San Bernardino in the late 1840s presumably purchased Rancho San Bernardino in 1851. However, Mormon settlers eventually returned to Utah in 1857, leaving the ownership of the title for the land in the federal courts until 1865, when property ownership was officially granted to the Lugos.

In 1869, John Dunlap purchased Yucaipa lands and expanded agricultural operations to include grain and cattle. Land was leased to former Chinese rail workers around 1870 to cultivate vegetables. At its peak, China Gardens farmed 300 acres. The Bear Valley Water Company also hired Chinese to dig waterways in Redlands. After the Geary Act in 1892, many Yucaipa Chinese were deported. The Dunlaps also built Casa Blanca in 1882, and the first school on Cherrycroft Drive, now restored under private ownership.

Early settlers in Yucaipa were also drawn by the prospect of gold. Although one quartz mine in Crafton Hills led to a promise of gold, wealth was mostly found in ranching, orchards, and agriculture. Throughout the early 20th century, ranching gave way to apple production, which grew to a height of over 4,000 acres. As apple orchards later moved to the Oak Glen area, cultivation expanded to include citrus, peaches, and plums. This mix of ranching and orchards remained intact through the early 1900s.

The early 20th century saw the gradual development of Yucaipa from its original downtown district. Streets, homes, churches, and businesses began to populate Yucaipa. The latter half of the 20th century brought a new hospital, fire service, roadways, and modern parks. A new school district was formed that served Yucaipa and surrounding communities. The 1960s also saw the transition of the Ocean-to-Ocean Highway into Interstate 10, further opening up Yucaipa Valley for suburbanization.

The latter half of the 20th century brought significant residential development. Most significant for Yucaipa's development was the completion of a sewer system to collect and treat wastewater. Water districts also formed to serve the community. Whereas residential projects continued throughout the community, the most defining development was in the 1980s. The 1,000-acre Chapman Heights project, the largest in Yucaipa, replaced former orchards and an airfield and ushered in the present era for Yucaipa.

4.0 METHODS

4.1 Cultural Resources Records Search

A literature review of documents on file at the South Central Coastal Information Center (SCCIC) at California State University, Fullerton was completed by SCCIC Assistant Coordinator Michelle Galaz on December 13, 2021 (Attachment A).

The SCCIC is the designated branch of the California Historical Resources Information System (CHRIS) and houses records concerning archaeological and historic resources in San Bernardino, Orange, Los Angeles, and Ventura Counties. The records search provided data on known archaeological and built environment resources as well as previous studies within one-half mile of the Project site. Data sources consulted at the EIC included archaeological records, Archaeological Determinations of Eligibility (DOE), and the Historic Property Data File (HPDF) maintained by the California Office of Historic Preservation (OHP). The HPDF contains listings for the CRHR and/or NRHP, California Historical Landmarks (CHL), and California Points of Historical Interest (CPHI).

The review consisted of an examination of the U.S. Geological Survey's (USGS's) *Yucaipa, CA* 7.5-minute quadrangles to evaluate the Project area for any cultural resources sites recorded, or cultural resources studies conducted on the parcel and within a one-half mile radius.

4.2 Paleontological Resources Records Search

A paleontological records search was requested of the Natural History Museum of Los Angeles County (NHMLAC) on September 22, 2021. A response was received from the NHMLAC on September 29, 2021 (Attachment B).

4.3 Historic Aerial Review

An examination was made by Patrick Maxon of the historic aerial photographs at HistoricAerials.com (NETRONLINE n.d.) on January 31, 2022.

4.4 Sacred Lands File Search

An NAHC Sacred Lands File Search and Tribal contacts list was received via email on November 4, 2021 (Attachment C).

4.5 Field Survey

An archaeological survey of the Project site was conducted by VCS Archaeologist Patrick Maxon, RPA on December 17, 2021. The Project site was inspected visually utilizing 5-10 meter-wide spaced survey transects, across the Project site, with closer examination of areas of rock and boulders and within vegetated areas.

5.0 RESULTS

5.1 Cultural Resources Records Search

5.1.1 Studies

The SCCIC lists 24 cultural resources studies conducted within a one-half mile radius of the Project site. Three are within the Project site (Table 1). See Attachment A.

Table 1
Cultural Resources Studies Within the Project Site

Report Number	Author(s) (Year)	Type/Size/Resources
SB-02868	SRS (1993)	Survey; 12 linear miles; one resource
SB-03129	Horne (1997)	Survey; Stater Bros.; 10.43-acres; 0 resources
SB-03259	Rodarte (1997)	Monitoring; Stater Bros. 10.43-acres; 0 resources

5.1.2 Resources

The SCCIC lists 12 cultural resources within a half-mile of the Project site. Of the twelve resources, at least two are prehistoric; however, none are within the Project site. The first is P-36-014993, an isolated obsidian flake recorded during monitoring for the Oak Glen Creek/Wilson II Basin Project a half-mile east of Bryant Street, north of Panorama Drive. The second site—P-36-000911 (CA-SBR-911)—is a prehistoric archaeological site recorded less than a half-mile south of the Project site, just east of Bryant Street and north of Panorama Drive, on an alluvial terrace immediately south of the Oak Glen Creek wash. The site appears to have been a camp and food processing site consisting of multiple ground stone artifacts (manos and metates) and hammerstones. The site was destroyed by the construction of a residential neighborhood along Panorama Drive in the 1970s. According to the 1971 site record (Smith 1971), artifacts from this site are (or were) on display at the Mousley Museum of Natural History in Yucaipa located very near the original location of SBR-911.

5.2 Paleontological Resources Records Search

On September 29, 2021, the requested records search was received from the NHMLAC (Attachment B). It resulted in the finding that the NHMLAC does not have any fossil localities that lie directly within the proposed Project area, but there are fossil localities from the same sedimentary deposits that occur within the Project site (Bell 2021).

The closest fossil localities in similar rock units include Whip snake (*Masticophis*), *Bovidae*, Camel family (*Camelidae*), Elephant clade (*Proboscidea*), ungulate (*Ungulata*), and Horse (*Equus*).

Potentially fossil-bearing units are present on the Project site, either at the surface or in the subsurface. NHMLA therefore recommends that a full paleontological assessment of the Project area be conducted.

5.3 Historic Aerial Review

The examination of the historic aerial photographs at HistoricAerials.com (NETRONLINE n.d.) completed on January 31, 2022. In 1938, the earliest aerial photograph, the Project site was undeveloped; Wilson Creek

extended across the north and west side of the site, in the same general location as Wilson Creek Channel. Sometime before or in 1982 it appears the side was partially cleared; and perhaps again before 2012. The site has never been developed.

5.4 Sacred Lands File Search

A positive Sacred Lands File Search and Tribal contacts list was received from the NAHC on November 4, 2021. The NAHC recommended that the San Manuel Band of Mission Indians be contacted specifically regarding the positive finding. The San Manuel will be contacted by the City of Yucaipa.

The NAHC also provided a Tribal contacts list of local tribes that may wish to consult on the Project. They include the following (refer to Attachment C):

- Agua Caliente Band of Cahuilla Indians; Jeff Grubbe, Chairperson
- Agua Caliente Band of Cahuilla Indians; Patricia Garcia-Plotkin, Director
- Augustine Band of Cahuilla Mission Indians; Amanda Vance, Chairperson
- Cabazon Band of Mission Indians; Doug Welmas, Chairperson
- Cahuilla Band of Indians; Daniel Salgado, Chairperson
- Los Coyotes Band of Cahuilla and Cupeno Indians; Ray Chapparosa, Chairperson
- Morongo Band of Mission Indians; Ann Brierty, THPO
- Morongo Band of Mission Indians; Robert Martin, Chairperson
- Quechan Tribe of the Fort Yuma Reservation; Jill McCormick, THPO
- Ramona Band of Cahuilla; Joseph Hamilton, Chairperson
- San Manuel Band of Mission Indians; Jessica Mauck, Director of Cultural Resources
- Santa Rosa Band of Cahuilla Indians; Lovina Redner, Tribal Chair
- Serrano Nation of Mission Indians; Wayne Walker, Co-Chairperson
- Serrano Nation of Mission Indians; Mark Cochrane, Co-Chairperson
- Soboba Band of Luiseño Indians; Isaiah Vivanco, Chairperson
- Soboba Band of Luiseño Indians; Joseph Ontiveros, Cultural Resources Department
- Torres-Martinez Desert Cahuilla Indians; Thomas Tortez, Chairperson

The NAHC also sent the SLF search results and Tribal contact list to Benjamin Matlock from the City of Yucaipa. The City will use its AB 52 contact list to conduct consultation with interested tribes independently of this study.

5.5 Field Survey

The Project site consists of 19.1 acres bounded by Oak Glen Road on the south, Bryant Street on the east, and the Wilson Creek Channel in the north and west. An archaeological survey of these Project site was conducted by VCS Archaeologist Patrick Maxon, RPA on December17, 2021. The Project site was inspected visually utilizing 5-10 meter-wide spaced survey transects across the Project site, with closer examination of areas of rocks and small boulders, within vegetated areas, and along the margins of Wilson Creek. Remnants of a scale broom sage (alluvial) scrub plant community is extant on portions of the property. It

remains dense in the lower elevated terrain adjacent the channelized wash that defines the north and west Project boundary. the scrub has largely been removed from the higher elevated terrain to the east and south, but remnants are still present. The survey was negative for cultural resources.



Plate 1: Site Overview from SE Corner; View to NW



Plate 2: NE Corner of Site; View to SW

6.0 MANAGEMENT CONSIDERATIONS

Appendix G of the State CEQA Guidelines contains the Initial Study Environmental Checklist Form, which includes, for Section V. Cultural Resources, questions relating to cultural resources, including the historic built environment, historic and prehistoric archaeology, and human remains. The issues presented in the Initial Study Checklist have been used as significance criteria. Accordingly, a project may result in a significant environmental impact if:

- *The project would cause a substantial adverse change in the significance of a historical resource as defined in §15064.5.*
- *The project would cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5.*
- *The project would disturb any human remains, including those interred outside of formal cemeteries.*

Appendix G of the State CEQA Guidelines Section VII, *Geology and Soils*, includes an additional question related to the presence or absence of fossil resources on the Project site. Accordingly, a project may result in a significant environmental impact if:

- *The project directly or indirectly destroys a unique paleontological resource or site or unique geologic feature.*

Appendix G of the State CEQA Guidelines Section XVII. Tribal Cultural Resources includes additional questions related to the presence or absence of Tribal Cultural Resources on the Project site. They are as follows:

- *Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:*
    a) *Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or*
    b) *A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.*

The purpose of the cultural resources assessment is to identify any historical resources or tribal cultural resources that may exist on the Project site, to determine the sensitivity of the Project site for the presence of buried archaeological and/or paleontological material, and to make recommendations to the lead agency regarding the development of mitigation measures to reduce the impacts of the Project on resources to a less than significant level.

Public Resources Code (PRC) §21084.1-2 and PRC §5020.1(q) of CEQA states that a project that may cause a substantial adverse change (i.e., demolition, destruction, relocation, or alteration such that the significance of a historical resource would be impaired) in the significance of a "historical resource" or a "tribal cultural resource" is a project that may have a significant effect on the environment.

7.0 SUMMARY AND RECOMMENDATIONS

Implementation of the proposed Project would not adversely affect any known significant historical resources. The area, however, is known to contain historical resources. Mitigation measures are recommended:

- The SCCIC records search failed to identify any cultural resource recorded within the Project site boundary.
- Three cultural resources studies have previously been completed that include the Project site.
- The NAHC Sacred Lands File search yielded a positive result. The San Manuel Band of Mission Indians should be contacted for information regarding the positive finding.
- The paleontological records search revealed that the Project site is underlain by Quaternary alluvium from Wilson Creek that previously flowed across the site. Older Quaternary Alluvium is mapped in the northern portion of the Project site.
- The field survey was negative.

Implementation of the proposed Project would not adversely affect any existing known significant historical, archaeological, or paleontological resources; however, because historical resources are recorded near the Project site, the SLF search was positive, and Project site sediments are paleontological sensitive, mitigation is recommended. These mitigation measures are offered with the understanding that the City of Yucaipa may have its own standard mitigation measures that it prefers to use for its projects.

7.1 Archaeological Resources

Retention of a qualified archaeologist and Tribal representative to monitor grading of the site is recommended. It is likely that Tribes will request monitoring during AB 52 consultation. At the Project pre-grading meeting, the archaeologist, the Native American tribal representative(s), the Applicant, and the excavation and grading contractor shall discuss appropriate grading and ground disturbing methods within archaeologically and culturally sensitive areas within the Project. Should the archaeologist, after consultation with the appropriate Native American tribe(s), find the potential exists for impacts to archaeological resources, cultural resources and/or sacred sites, the archaeologist and the Native American tribal representative(s) shall actively monitor Project-related grading and shall have the authority to temporarily divert, redirect, or halt grading activity to allow recovery of archaeological and/or cultural resources.

7.2 Paleontological Resources

Deeper excavations that extend down into older sedimentary deposits could uncover significant fossil vertebrate remains. Any substantial excavations in the proposed Project area, therefore, should be monitored closely to recover any fossil remains discovered quickly and professionally while not impeding development. Also, sediment samples may be collected and processed to determine the small fossil potential in the proposed Project area. Any fossils recovered during mitigation should be deposited in an accredited and permanent scientific institution for the benefit of current and future generations. With implementation of Mitigation Measures PALEO-1 and PALEO-2, potential impacts to paleontological resources or site or unique geologic features would be less than significant.

PALEO-1: The Applicant shall retain a qualified paleontologist to observe grading activities and salvage and catalogue fossils, as necessary. The paleontologist shall be present at the pre-grade conference, shall establish procedures for paleontological resource surveillance, and shall establish, in cooperation with the Applicant and City, procedures for temporarily halting or redirecting work to permit sampling, identification, and evaluation of the fossils. If the paleontological resources are found to be significant, the paleontologist shall determine appropriate actions, in cooperation with the Applicant, which ensure proper exploration and/or salvage.

PALEO-2: If paleontological resources are uncovered and after completion of the Project, the Applicant shall submit the paleontologist's follow-up report for approval by the City of Yucaipa. The report shall include the period of inspection, a catalogue and analysis of the fossils found, and the present repository of the fossils. Excavated material shall be prepared to the point of identification. The Applicant shall offer excavated finds for curatorial purposes to the City of Yucaipa or its designee, on a first refusal basis. These actions, as well as final mitigation and disposition of the resources, shall be subject to approval by the City of Yucaipa. Applicant shall pay curatorial fees for the storage of these resources in perpetuity.

7.3 Human Remains

Project-related earth disturbance has the potential to unearth previously undiscovered human remains, resulting in a potentially significant impact. If human remains are encountered during excavation activities, all work shall halt and the County Coroner shall be notified (*California Health and Safety Code,* §7050.5). The Coroner will determine whether the remains are of forensic interest. If the Coroner determines that the remains are prehistoric, s/he will contact the Native American Heritage Commission (NAHC) within 24 hours. The NAHC is responsible for immediately designating the most likely descendant (MLD), who will be responsible for the ultimate disposition of the remains, as required by Section 5097.98 of the *California Public Resources Code.* The MLD shall make his/her recommendation within 48 hours of being granted access to the site. The MLD's recommendation shall be followed, if feasible, and may include scientific removal and non-destructive analysis of the human remains and any items associated with Native American burials. If the landowner rejects the MLD's recommendations, the landowner shall rebury the remains with appropriate dignity on the property in a location that will not be subject to further subsurface disturbance.

8.0 CERTIFICATION

I hereby certify that the statements furnished above and in the attached figures present the data and information required for this archaeological report, and that the facts, statements, and information presented are true and correct to the best of my knowledge and belief.

DATE: February 2022 SIGNED:

Patrick Maxon., RPA
Director, Cultural Resources

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ATTACHMENT A

CULTURAL RESOURCES RECORDS SEARCH (SCCIC)

ATTACHMENT B

PALEONTOLOGICAL RESOURCES RECORDS SEARCH (NHMLAC)

ATTACHMENT C

NATIVE AMERICAN HERITAGE COMMISSION (NAHC)

ATTACHMENT D

PERSONNEL QUALIFICATIONS

RESIDENCES AT OAK GLEN CREEK SPECIFIC PLAN DEVELOPMENT

APPENDIX D – ENERGY ANALYSIS

Oak Glen Townhomes

ENERGY ANALYSIS

CITY OF YUCAIPA

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AUGUST 30, 2024

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LIST OF ABBREVIATED TERMS

%	Percent
(1)	Reference
AQIA	*Oak Glen Townhomes Air Quality Impact Analysis*
BACM	Best Available Control Measures
BTU	British Thermal Units
CalEEMod	California Emissions Estimator Model
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CCR	California Code of Regulations
CEC	California Energy Commission
CEQA	California Environmental Quality Act
City	City of Yucaipa
CPUC	California Public Utilities Commission
DMV	Department of Motor Vehicles
EIA	Energy Information Administration
EPA	Environmental Protection Agency
EMFAC	EMissions FACtor
FERC	Federal Energy Regulatory Commission
GHG	Greenhouse Gas
GWh	Gigawatt Hour
HHDT	Heavy-Heavy Duty Trucks
hp-hr-gal	Horsepower Hours Per Gallon
IEPR	Integrated Energy Policy Report
ISO	Independent Service Operator
ISTEA	Intermodal Surface Transportation Efficiency Act
ITE	Institute of Transportation Engineers
kBTU	Thousand-British Thermal Units
kWh	Kilowatt Hour
LDA	Light Duty Auto
LDT1/LDT2	Light-Duty Trucks
LHDT1/LHDT2	Light-Heavy Duty Trucks
MDV	Medium Duty Trucks
MHDT	Medium-Heavy Duty Trucks
MMcfd	Million Cubic Feet Per Day
mpg	Miles Per Gallon
MPO	Metropolitan Planning Organization

PG&E	Pacific Gas and Electric
Project	Oak Glen Townhomes
SCAB	South Coast Air Basin
SCE	Southern California Edison
SDAB	San Diego Air Basin
sf	Square Feet
SoCalGas	Southern California Gas
TEA-21	Transportation Equity Act for the 21st Century
U.S.	United States
VMT	Vehicle Miles Traveled

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EXECUTIVE SUMMARY

ES.1 SUMMARY OF FINDINGS

The results of this *Oak Glen Townhomes Energy Analysis* is summarized below based on the significance criteria in Section 5 of this report consistent with Appendix G of the California Environmental Quality Act (CEQA) Statute and Guidelines (*CEQA Guidelines*) (1). Table ES-1 shows the findings of significance for potential energy impacts under CEQA.

TABLE ES-1: SUMMARY OF CEQA SIGNIFICANCE FINDINGS

Analysis	Report Section	Significance Findings	
		Unmitigated	Mitigated
Energy Impact #1: Would the Project result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	5.0	*Less Than Significant*	*n/a*
Energy Impact #2: Would the Project conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	5.0	*Less Than Significant*	*n/a*

ES.2 PROJECT REQUIREMENTS

The Project would be required to comply with regulations imposed by the federal and state agencies that regulate energy use and consumption through various means and programs. Those that are directly and indirectly applicable to the Project and that would assist in the reduction of energy usage include:

- Intermodal Surface Transportation Efficiency Act of 1991 (ISTEA)
- The Transportation Equity Act for the 21st Century (TEA-21)
- Integrated Energy Policy Report (IEPR)
- State of California Energy Plan
- California Code Title 24, Part 6, Energy Efficiency Standards
- California Code Title 24, Part 11, California Green Building Standards Code (CALGreen)
- AB 1493 Pavley Regulations and Fuel Efficiency Standards
- California's Renewable Portfolio Standard (RPS)
- Clean Energy and Pollution Reduction Act of 2015 (SB 350)

Consistency with the above regulations is discussed in detail in section 5 of this report.

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1 INTRODUCTION

This report presents the results of the energy analysis prepared by Urban Crossroads, Inc., for the proposed Oak Glen Townhomes Project (Project). The purpose of this report is to ensure that energy implication is considered by the City of Yucaipa (Lead Agency), as the lead agency, and to quantify anticipated energy usage associated with construction and operation of the proposed Project, determine if the usage amounts are efficient, typical, or wasteful for the land use type, and to emphasize avoiding or reducing inefficient, wasteful, and unnecessary consumption of energy.

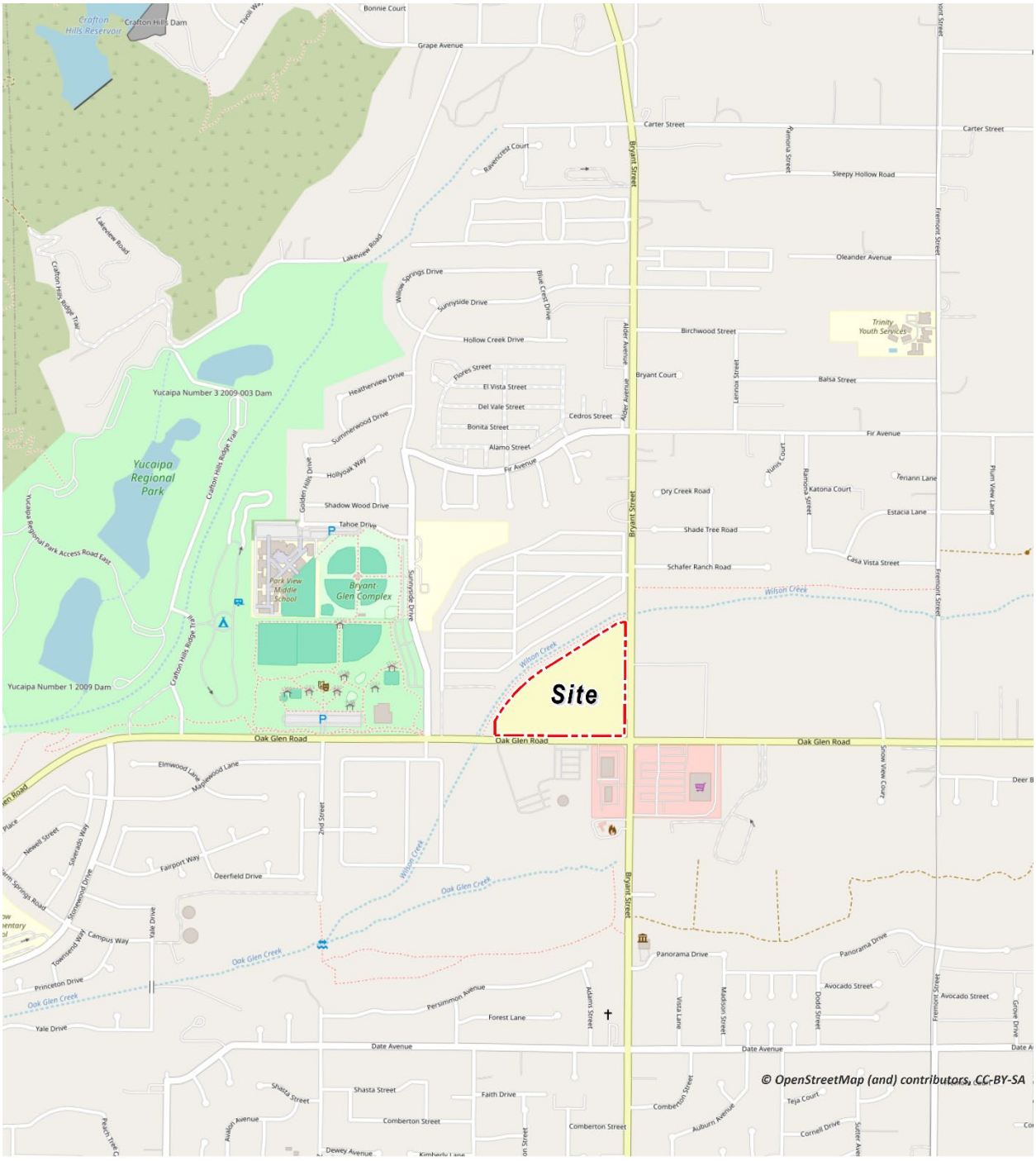
1.1 SITE LOCATION

The proposed project is located on the northwest corner of Bryant Street and Oak Glen Road in the City of Yucaipa, as shown in Exhibit 1-A.

1.2 PROJECT DESCRIPTION

The Project is proposed to consist of 145 detached single family residential dwelling units and 12,000 square feet of retail uses, which for the purposes of this assessment will evaluate 100% of in-line fast-food restaurants without drive-through window in an effort to conduct a conservative analysis. A preliminary site plan for the proposed Project is shown on Exhibit 1-B. The Project is anticipated to have an Opening Year of 2026.

EXHIBIT 1-A: LOCATION MAP



LEGEND:

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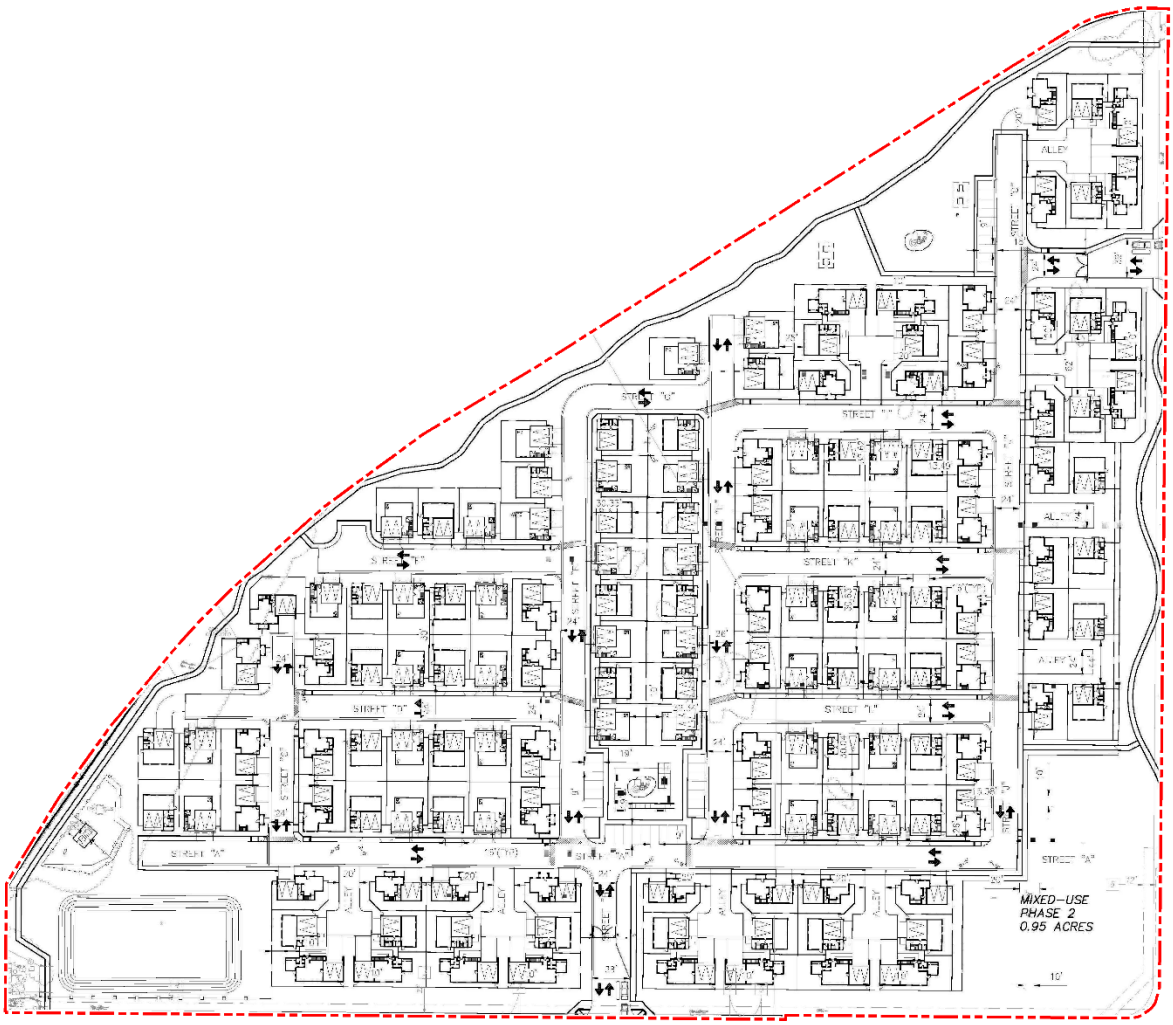
Site Boundary

EXHIBIT 1-B: PRELIMINARY SITE PLAN



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Site Boundary

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2 EXISTING CONDITIONS

This section provides an overview of the existing energy conditions in the Project region.

2.1 OVERVIEW

The most recent data for California's estimated total energy consumption and natural gas consumption is from 2022, released by the United States (U.S.) Energy Information Administration's (EIA) California State Profile and Energy Estimates and includes (2):

- As of 2022, approximately 6,882 trillion British Thermal Unit (BTU) of energy was consumed
- As of 2022, approximately 628 million barrels of petroleum
- As of 2022, approximately 2,059 billion cubic feet of natural gas
- As of 2022, approximately 1,322 thousand short tons of coal

According to the EIA, in 2022 the U.S. petroleum consumption comprised about 90% of all transportation energy use, excluding fuel consumed for aviation and most marine vessels (3). In 2023, about 253,289 million gallons (or about 6.031 million barrels) of finished petroleum products were consumed in the U.S., an average of about 694 million gallons per day (or about 16.5 million barrels per day) (4). In 2021, California consumed approximately 12,157 million gallons in motor gasoline (33.31 million per day) and approximately 3,541 million gallons of diesel fuel (9.7 million per day) (5).

The most recent data provided by the EIA for energy use in California is reported from 2021 and provided by demand sectors as follows:

- Approximately 41.3% transportation sector
- Approximately 23.5% industrial sector
- Approximately 18.1% residential sector
- Approximately 17.0% commercial sector (6)

According to the EIA, California used approximately 251,869 gigawatt hours of electricity in 2022 (7). By sector in 2022, residential uses utilized 35.6% of the state's electricity, followed by 45.3% for commercial uses, 18.9% for industrial uses, and 0.3% for transportation. Electricity usage in California for differing land uses varies substantially by the type of uses in a building, type of construction materials used in a building, and the efficiency of all electricity-consuming devices within a building (7).

According to the EIA, California used approximately 200,871 million therms of natural gas in 2022 (8). In 2023 (the most recent year for which data is available), by sector, industrial uses utilized 31% of the state's natural gas, followed by 32% used as fuel in the electric power sector, 23% from residential, 13% from commercial, 1% from transportation uses and the remaining 3% was utilized for the operations, processing and production of natural gas itself (8). While the supply of natural gas in the United States and production in the lower 48 states has increased greatly since 2008, California produces little, and imports 90% of its supply of natural gas (8).

In 2022, total system electric generation for California was 287,220 gigawatt hours (GWh). California's massive electricity in-state generation system generated approximately 203,257 GWh which accounted for approximately 71% of the electricity it uses; the rest was imported from the Pacific Northwest (12%) and the U.S. Southwest (17%) (9). Natural gas is the main source for electricity generation at 47.46% of the total in-state electric generation system power as shown in Table 2-1.

An updated summary of, and context for energy consumption and energy demands within the State is presented in "U.S. Energy Information Administration, California State Profile and Energy Estimates, Quick Facts" excerpted below (10):

- In 2023, California was the seventh-largest producer of crude oil among the 50 states, and the state ranked third in crude oil refining capacity.
- California is the largest consumer of jet fuel and second-largest consumer of motor gasoline among the 50 states.
- California is the second-largest total energy consumer among the states, after Texas, but its per capita energy consumption is the fourth-lowest in the nation.
- In 2023, renewable resources, including hydroelectric power and small-scale solar power, supplied 54% of California's in-state electricity generation. Natural gas fueled another 39% and nuclear power provided almost all the rest.
- In 2023, California was the fourth-largest electricity producer in the nation. It is also the nation's third-largest electricity consumer and imports more electricity than any other state.

As indicated below, California is one of the nation's leading energy-producing states, and California's per capita energy use is among the nation's most efficient. Given the nature of the Project, the remainder of this discussion will focus on the three sources of energy that are most relevant to the Project—namely, electricity, natural gas, and transportation fuel for vehicle trips associated with the uses planned for the Project.

TABLE 2-1: TOTAL ELECTRICITY SYSTEM POWER (CALIFORNIA 2022)

Fuel Type	California In-State Generation (GWh)	% of California In-State Generation	Northwest Imports (GWh)	Southwest Imports (GWh)	Total Imports (GWh)	Total California Energy Mix (GWh)	Total California Power Mix
Coal	273	0.13%	181	5,716	5,897	6,170	2.15%
Natural Gas	96,457	47.46%	44	7,994	8,038	104,495	36.38%
Oil	65	0.03%	-	-	-	65	0.2%
Other (Waste Heat/Petroleum Coke)	315	0.15%	-	-	-	315	0.11%
Unspecified	-	0.0%	12,485	7,943	20,428	20,428	7.11%
Total Thermal and Unspecified	**97,110**	**47.78%**	**12,710**	**21,653**	**34,363**	**121,473**	**45.77%**
Nuclear	17,627	8.67%	397	8,342	8,739	26,366	9.18%
Large Hydro	14,607	7.19%	10,803	1,118	11,921	26,528	9.24%
Biomass	5,366	2.64%	771	25	797	6,162	2.15%
Geothermal	11,110	5.47%	253	2,048	2,301	13,412	4.67%
Small Hydro	3,005	1.48%	211	13	225	3,230	1.12%
Solar	40,494	19.92%	231	8,225	8,456	48,950	17.04%
Wind	13,938	6.86%	8,804	8,357	17,161	31,099	10.83%
Total Non-GHG and Renewables	**106,147**	**52.22%**	**21,471**	**28,129**	**49,599**	**155,747**	**54.23%**
SYSTEM TOTALS	***203,257***	***100.0%***	***34,180***	***49,782***	***83,962***	***287,220***	***100.0%***

Source: California Energy Commission's 2022 Total System Electric Generation

2.2 ELECTRICITY

The Southern California region's electricity reliability has been of concern for the past several years due to the planned retirement of aging facilities that depend upon once-through cooling technologies, as well as the June 2013 retirement of the San Onofre Nuclear Generating Station (San Onofre). While the once-through cooling phase-out has been ongoing since the May 2010 adoption of the State Water Resources Control Board's once-through cooling policy, the retirement of San Onofre complicated the situation. California ISO studies revealed the extent to which the South California Air Basin (SCAB) and the San Diego Air Basin (SDAB) region were vulnerable to low-voltage and post-transient voltage instability concerns. A preliminary plan to address these issues was detailed in the 2013 Integrative Energy Policy Report (IEPR) after a collaborative process with other energy agencies, utilities, and air districts. Similarly, the subsequent 2023 IEPR provides information and policy recommendations on advancing a clean, reliable, and affordable energy system (11).

California's electricity industry is an organization of traditional utilities, private generating companies, and state agencies, each with a variety of roles and responsibilities to ensure that electrical power is provided to consumers. The California ISO is a nonprofit public benefit corporation and is the impartial operator of the State's wholesale power grid and is charged with maintaining grid reliability, and to direct uninterrupted electrical energy supplies to California's homes and communities. While utilities still own transmission assets, the ISO routes electrical power along these assets, maximizing the use of the transmission system and its power generation resources. The ISO matches buyers and sellers of electricity to ensure that enough power is available to meet demand. To these ends, every five minutes the ISO forecasts electrical demands, accounts for operating reserves, and assigns the lowest cost power plant unit to meet demands while ensuring adequate system transmission capacities and capabilities (12).

Part of the ISO's charge is to plan and coordinate grid enhancements to ensure that electrical power is provided to California consumers. To this end, utilities file annual transmission expansion/modification plans to accommodate the State's growing electrical needs. The ISO reviews and either approves or denies the proposed additions. In addition, and perhaps most importantly, the ISO works with other areas in the western United States electrical grid to ensure that adequate power supplies are available to the State. In this manner, continuing reliable and affordable electrical power is assured to existing and new consumers throughout the State.

Electricity is currently provided to the Project site by Southern California Edison (SCE). SCE provides electric power to more than 15 million persons in 15 counties and in 180 incorporated cities, within a service area encompassing approximately 50,000 square miles. Based on SCE's 2022 Power Content Label Mix, SCE derives electricity from varied energy resources including: fossil fuels, hydroelectric generators, nuclear power plants, geothermal power plants, solar power generation, and wind farms. SCE also purchases from independent power producers and utilities, including out-of-state suppliers (13).

Table 2-2, SCE's specific proportional shares of electricity sources in 2022. As indicated in Table 2-2, the 2022 SCE Power Mix has renewable energy at 33.2% of the overall energy resources.

Geothermal resources are at 5.7%, wind power is at 9.8%, large hydroelectric sources are at 3.4%, solar energy is at 17.0%, and coal is at 0% (14).

TABLE 2-2: SCE 2022 POWER CONTENT MIX

Energy Resources	2022 SCE Power Mix
Eligible Renewable	**33.2%**
Biomass & Waste	0.1%
Geothermal	5.7%
Eligible Hydroelectric	0.5%
Solar	17.0%
Wind	9.8%
Coal	**0.0%**
Large Hydroelectric	**3.4%**
Natural Gas	**24.7%**
Nuclear	**8.3%**
Other	**0.1%**
Unspecified Sources of power*	30.3%
Total	**100%**

* "Unspecified sources of power" means electricity from transactions that are not traceable to specific generation sources

2.3 NATURAL GAS

The following summary of natural gas customers and volumes, supplies, delivery of supplies, storage, service options, and operations is excerpted from information provided by the California Public Utilities Commission (CPUC).

> *"The CPUC regulates natural gas utility service for approximately 10.8 million customers that receive natural gas from Pacific Gas and Electric (PG&E), Southern California Gas (SoCalGas), San Diego Gas & Electric (SDG&E), Southwest Gas, and several smaller natural gas utilities. The CPUC also regulates independent storage operators: Lodi Gas Storage, Wild Goose Storage, Central Valley Storage and Gill Ranch Storage.*
>
> *California's natural gas utilities provide service to over 11 million gas meters. SoCalGas and PG&E provide service to about 5.9 million and 4.3 million customers, respectively, while SDG&E provides service to over 800, 000 customers. In 2018, California gas utilities forecasted that they would deliver about 4740 million cubic feet per day (MMcfd) of gas to their customers, on average, under normal weather conditions.*
>
> *The overwhelming majority of natural gas utility customers in California are residential and small commercials customers, referred to as "core" customers. Larger volume gas customers, like electric generators and industrial customers, are called "noncore" customers. Although very small in number relative to core customers, noncore customers*

consume about 65% of the natural gas delivered by the state's natural gas utilities, while core customers consume about 35%.

A significant amount of gas (about 19%, or 1131 MMcfd, of the total forecasted California consumption in 2018) is also directly delivered to some California large volume consumers, without being transported over the regulated utility pipeline system. Those customers, referred to as "bypass" customers, take service directly from interstate pipelines or directly from California producers.

SDG&E and Southwest Gas' southern division are wholesale customers of SoCalGas, i.e., they receive deliveries of gas from SoCalGas and in turn deliver that gas to their own customers. (Southwest Gas also provides natural gas distribution service in the Lake Tahoe area.) Similarly, West Coast Gas, a small gas utility, is a wholesale customer of PG&E. Some other wholesale customers are municipalities like the cities of Palo Alto, Long Beach, and Vernon, which are not regulated by the CPUC.

Natural gas from out-of-state production basins is delivered into California via the interstate natural gas pipeline system. The major interstate pipelines that deliver out-of-state natural gas to California gas utilities are Gas Transmission Northwest Pipeline, Kern River Pipeline, Transwestern Pipeline, El Paso Pipeline, Ruby Pipeline, Mojave Pipeline, and Tuscarora. Another pipeline, the North Baja - Baja Norte Pipeline takes gas off the El Paso Pipeline at the California/Arizona border and delivers that gas through California into Mexico. While the Federal Energy Regulatory Commission (FERC) regulates the transportation of natural gas on the interstate pipelines, and authorizes rates for that service, the California Public Utilities Commission may participate in FERC regulatory proceedings to represent the interests of California natural gas consumers.

The gas transported to California gas utilities via the interstate pipelines, as well as some of the California-produced gas, is delivered into the PG&E and SoCalGas intrastate natural gas transmission pipelines systems (commonly referred to as California's "backbone" pipeline system). Natural gas on the utilities' backbone pipeline systems is then delivered to the local transmission and distribution pipeline systems, or to natural gas storage fields. Some large volume noncore customers take natural gas delivery directly off the high-pressure backbone and local transmission pipeline systems, while core customers and other noncore customers take delivery off the utilities' distribution pipeline systems. The state's natural gas utilities operate over 100,000 miles of transmission and distribution pipelines, and thousands more miles of service lines.

Bypass customers take most of their deliveries directly off the Kern/Mojave pipeline system, but they also take a significant amount of gas from California production.

PG&E and SoCalGas own and operate several natural gas storage fields that are located within their service territories in northern and southern California, respectively. These storage fields, and four independently owned storage utilities - Lodi Gas Storage, Wild Goose Storage, Central Valley Storage, and Gill Ranch Storage - help meet peak seasonal and daily natural gas demand and allow California natural gas customers to secure

natural gas supplies more efficiently. PG&E is a 25% owner of the Gill Ranch Storage field. These storage fields provide a significant amount of infrastructure capacity to help meet California's natural gas requirements, and without these storage fields, California would need much more pipeline capacity in order to meet peak gas requirements.

Prior to the late 1980s, California regulated utilities provided virtually all natural gas services to all their customers. Since then, the Commission has gradually restructured the California gas industry in order to give customers more options while assuring regulatory protections for those customers that wish to, or are required to, continue receiving utility-provided services.

The option to purchase natural gas from independent suppliers is one of the results of this restructuring process. Although the regulated utilities procure natural gas supplies for most core customers, core customers have the option to purchase natural gas from independent natural gas marketers, called "core transport agents" (CTA). Contact information for core transport agents can be found on the utilities' web sites. Noncore customers, on the other hand, make natural gas supply arrangements directly with producers or with marketers.

Another option resulting from the restructuring process occurred in 1993, when the Commission removed the utilities' storage service responsibility for noncore customers, along with the cost of this service from noncore customers' transportation rates. The Commission also encouraged the development of independent storage fields, and in subsequent years, all the independent storage fields in California were established. Noncore customers and marketers may now take storage service from the utility or from an independent storage provider (if available), and pay for that service, or may opt to take no storage service at all. For core customers, the Commission assures that the utility has adequate storage capacity set aside to meet core requirements, and core customers pay for that service.

In a 1997 decision, the Commission adopted PG&E's "Gas Accord", which unbundled PG&E's backbone transmission costs from noncore transportation rates. This decision gave customers and marketers the opportunity to obtain pipeline capacity rights on PG&E's backbone transmission pipeline system, if desired, and pay for that service at rates authorized by the Commission. The Gas Accord also required PG&E to set aside a certain amount of backbone transmission capacity in order to deliver gas to its core customers. Subsequent Commission decisions modified and extended the initial terms of the Gas Accord. The "Gas Accord" framework is still in place today for PG&E's backbone and storage rates and services and is now simply referred to as PG&E Gas Transmission and Storage (GT&S).

In a 2006 decision, the Commission adopted a similar gas transmission framework for Southern California, called the "firm access rights" system. SoCalGas and SDG&E implemented the firm access rights (FAR) system in 2008, and it is now referred to as the backbone transmission system (BTS) framework. As under the PG&E backbone transmission system, SoCalGas backbone transmission costs are unbundled from noncore

transportation rates. Noncore customers and marketers may obtain, and pay for, firm backbone transmission capacity at various receipt points on the SoCalGas system. A certain amount of backbone transmission capacity is obtained for core customers to assure meeting their requirements.

Many if not most noncore customers now use a marketer to provide for several of the services formerly provided by the utility. That is, a noncore customer may simply arrange for a marketer to procure its supplies, and obtain any needed storage and backbone transmission capacity, in order to assure that it will receive its needed deliveries of natural gas supplies. Core customers still mainly rely on the utilities for procurement service, but they have the option to take procurement service from a CTA. Backbone transmission and storage capacity is either set aside or obtained for core customers in amounts to assure very high levels of service.

In order properly operate their natural gas transmission pipeline and storage systems, PG&E and SoCalGas must balance the amount of gas received into the pipeline system and delivered to customers or to storage fields. Some of these utilities' storage capacity is dedicated to this service, and under most circumstances, customers do not need to precisely match their deliveries with their consumption. However, when too much or too little gas is expected to be delivered into the utilities' systems, relative to the amount being consumed, the utilities require customers to more precisely match up their deliveries with their consumption. And, if customers do not meet certain delivery requirements, they could face financial penalties. The utilities do not profit from these financial penalties - the amounts are then returned to customers as a whole. If the utilities find that they are unable to deliver all the gas that is expected to be consumed, they may even call for a curtailment of some gas deliveries. These curtailments are typically required for just the largest, noncore customers. It has been many years since there has been a significant curtailment of core customers in California." (15)

As indicated in the preceding discussions, natural gas is available from a variety of in-state and out-of-state sources and is provided throughout the state in response to market supply and demand. Complementing available natural gas resources, biogas may soon be available via existing delivery systems, thereby increasing the availability and reliability of resources in total. The CPUC oversees utility purchases and transmission of natural gas to ensure reliable and affordable natural gas deliveries to existing and new consumers throughout the State.

2.4 TRANSPORTATION ENERGY RESOURCES

The Project would generate additional vehicle trips with resulting consumption of energy resources, predominantly gasoline and diesel fuel. The Department of Motor Vehicles (DMV) identified 36.2 million registered vehicles in California (6), and those vehicles consume an estimated 17.2 billion gallons of fuel each year.[1] Gasoline (and other vehicle fuels) are

[1] Fuel consumptions estimated utilizing information from EMFAC2021.

commercially provided commodities and would be available to the Project patrons and employees via commercial outlets.

California's on-road transportation system includes 396,616 lane miles, more than 26.6 million passenger vehicles and light trucks, and almost 9.0 million medium- and heavy-duty vehicles (6). While gasoline consumption has been declining since 2008 it is still by far the dominant fuel. California is the second-largest consumer of petroleum products, after Texas, and accounts for 8% of the nation's total consumption. The State is the largest U.S. consumer of motor gasoline and jet fuel, and 83% of the petroleum consumed in California is used in the transportation sector (16).

California accounts for less than 1% of total U.S. natural gas reserves and production. As with crude oil, California's natural gas production has experienced a gradual decline since 1985. In 2023, about 32% of the natural gas delivered to consumers went to the State's industrial sector, and about 31% was delivered to the electric power sector. Natural gas fueled more than two-fifths of the State's utility-scale electricity generation in 2023. The residential sector, where three-fifths of California households use natural gas for home heating, accounted for 23% of natural gas deliveries. The commercial sector received 13% of the deliveries to end users and the transportation sector consumed the remaining 1% (16).

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3 REGULATORY BACKGROUND

Federal and state agencies regulate energy use and consumption through various means and programs. On the federal level, the United States Department of Transportation, the United States Department of Energy, and the United States Environmental Protection Agency (EPA) are three federal agencies with substantial influence over energy policies and programs. On the state level, the CPUC and the CEC are two agencies with authority over different aspects of energy. Relevant federal and state energy-related laws and plans are summarized below.

3.1 FEDERAL REGULATIONS

3.1.1 INTERMODAL SURFACE TRANSPORTATION EFFICIENCY ACT OF 1991 (ISTEA)

The ISTEA promoted the development of inter-modal transportation systems to maximize mobility as well as address national and local interests in air quality and energy. ISTEA contained factors that Metropolitan Planning Organizations (MPOs) were to address in developing transportation plans and programs, including some energy-related factors. To meet the new ISTEA requirements, MPOs adopted explicit policies defining the social, economic, energy, and environmental values guiding transportation decisions.

3.1.2 THE TRANSPORTATION EQUITY ACT FOR THE 21ST CENTURY (TEA-21)

The TEA-21 was signed into law in 1998 and builds upon the initiatives established in the ISTEA legislation, discussed above. TEA-21 authorizes highway, highway safety, transit, and other efficient surface transportation programs. TEA-21 continues the program structure established for highways and transit under ISTEA, such as flexibility in the use of funds, emphasis on measures to improve the environment, and focus on a strong planning process as the foundation of good transportation decisions. TEA-21 also provides for investment in research and its application to maximize the performance of the transportation system through, for example, deployment of Intelligent Transportation Systems, to help improve operations and management of transportation systems and vehicle safety.

3.2 CALIFORNIA REGULATIONS

3.2.1 INTEGRATED ENERGY POLICY REPORT (IEPR)

Senate Bill 1389 (Bowen, Chapter 568, Statutes of 2002) requires the CEC to prepare a biennial integrated energy policy report that assesses major energy trends and issues facing the state's electricity, natural gas, and transportation fuel sectors and provides policy recommendations to conserve resources; protect the environment; ensure reliable, secure, and diverse energy supplies; enhance the state's economy; and protect public health and safety (Public Resources Code § 25301[a]). The CEC prepares these assessments and associated policy recommendations every two years, with updates in alternate years, as part of the Integrated Energy Policy Report.

The 2023 IEPR was adopted February 2024, and continues to work towards improving electricity, natural gas, and transportation fuel energy use in California. The 2023 IEPR introduces a new

framework for embedding equity and environmental justice at the CEC and the California Energy Planning Library which allows for easier access to energy data and analytics for a wide range of users. Additionally, energy reliability, western electricity integration, gasoline cost factors and price spikes, the role of hydrogen in California's clean energy future, fossil gas transition and distributed energy resources are topics discussed within the 2023 IEPR (17).

3.2.2 State of California Energy Plan

The CEC is responsible for preparing the State Energy Plan, which identifies emerging trends related to energy supply, demand, conservation, public health and safety, and the maintenance of a healthy economy. The Plan calls for the state to assist in the transformation of the transportation system to improve air quality, reduce congestion, and increase the efficient use of fuel supplies with the least environmental and energy costs. To further this policy, the plan identifies several strategies, including assistance to public agencies and fleet operators and encouragement of urban designs that reduce vehicle miles traveled (VMT) and accommodate pedestrian and bicycle access.

3.2.3 Title 24 Energy Efficiency Standards and California Green Building Standards

California Code of Regulations (CCR) Title 24 Part 6: The California Energy Code was first adopted in 1978 in response to a legislative mandate to reduce California's energy consumption.

The standards are updated periodically to allow consideration and possible incorporation of new energy efficient technologies and methods. CCR, Title 24, Part 11: California Green Building Standards Code (CALGreen) is a comprehensive and uniform regulatory code for all residential, commercial, and school buildings that went in effect on August 1, 2009, and is administered by the California Building Standards Commission.

CALGreen is updated on a regular basis, with the most recent approved update consisting of the 2022 California Green Building Code Standards that became effective on January 1, 2023. The CEC anticipates that the 2022 energy code will provide $1.5 billion in consumer benefits and reduce GHG emissions by 10 million metric tons (18). The Project would be required to comply with the applicable standards in place at the time building permit document submittals are made. These require, among other items (19):

Residential Mandatory Measures

- Electric vehicle (EV) charging stations. New construction shall comply with Section 4.106.4.1, 4.106.4.2, 4.106.4.3, to facilitate future installation and use of EV chargers. Electric vehicle supply equipment (EVSE) shall be installed in accordance with the *California Electrical Code*, Article 625. (4.106.4).
    - New one- and two-family dwellings and town-houses with attached private garages. For each dwelling unit, install a listed raceway to accommodate a dedicated 208/240-volt branch circuit. The raceway shall not be less than trade size 1 (nominal 1-inch inside diameter). The raceway shall originate at the main service or subpanel and shall terminate into a listed cabinet, box or other enclosure in close proximity to the proposed location of an EV charger. Raceways are required to be continuous at enclosed, inaccessible or concealed areas and spaces. The service panel and/or subpanel shall provide capacity to

install a 40-ampere 208/240-volt minimum dedicated branch circuit and space(s) reserved to permit installation of a branch circuit overcurrent protective device.

  - New hotels and motels. All newly constructed hotels and motels shall provide EV spaces capable of supporting future installation of EVSE. The construction documents shall identify the location of the EV spaces. The number of required EV spaces shall be based on the total number of parking spaces provided for all types of parking facilities in accordance with Table 4.106.4.3.1.

- Water conserving plumbing fixtures and fittings. Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with Sections 4.303.1.1, 4.303.1.2, 4.303.1.3, and 4.303.1.4.
- Outdoor potable water use in landscape areas. Residential developments shall comply with a local water efficient landscape ordinance or the current California Department of Water Resources' Model Water Efficient Landscape Ordinance (MWELO), whichever is more stringent.
- Operation and maintenance manual. At the time of final inspection, a manual, compact disc, web-based reference or other media acceptable to the enforcing agency which includes all of the following shall be placed in the building:
  - Directions to the owner or occupant that the manual shall remain with the building throughout the life cycle of the structure.
  - Operations and maintenance instructions for the following:
    - Equipment and appliances, including water-saving devices and systems, HVAC systems, photovoltaic systems, EV chargers, water-heating systems and other major appliances and equipment.
    - Roof and yard drainage, including gutter and downspouts.
    - Space conditioning systems, including condensers and air filters.
    - Landscape irrigation systems.
    - Water reuse systems.
  - Information from local utility, water and waste recovery providers on methods to further reduce future resource consumption, including recycling programs and locations.
  - Public transportation and/or carpool options available in the area.
  - Educational material on the positive impacts of an interior relative humidity between 30-60% and what methods occupants may use to maintain the relative humidity level in that range.
  - Information about water-conserving landscape and irrigation design and controllers which conserve water.
  - Instructions for maintaining gutters and downspouts and the importance of diverting water at least 5 feet away from the foundation.
  - Information about state solar energy and incentive programs available.
  - A copy of all special inspection verifications required by the enforcing agency of this code.
  - Information from CALFIRE on maintenance of defensible space around residential structures.
- Any installed gas fireplace shall be direct-vent sealed-combustion type. Any installed woodstove or pellet stove shall comply with U.S. EPA New Source Performance Standards (NSPS) emission

limits as applicable, and shall have a permanent label indicating they are certified to meet the emission limits. Woodstoves, pellet stoves and fireplaces shall also comply with applicable local ordinances.

- Paints and coatings. Architectural paints and coatings shall comply with VOC limits in Table 1 of the CARB Architectural Suggested Control Measure, as shown in Table 4.504.3, unless more stringent local limits apply. The VOC content limit for coatings that do not meet the definitions for the specialty coatings categories listed in Table 4.504.3 shall be determined by classifying the coating as a Flat, Nonflat, or Nonflat-high Gloss coating, based on its glass, as defined in subsections 4.21, 4.36, and 4.37 of the 2007 CARB, Suggested Control Measure, and the corresponding Flat, Nonflat, Nonflat-high Gloss VOC limit in Table 4.504.3 shall apply.

NONRESIDENTIAL MANDATORY MEASURES

- Short-term bicycle parking. If the new project or an additional alteration is anticipated to generate visitor traffic, provide permanently anchored bicycle racks within 200 feet of the visitors' entrance, readily visible to passers-by, for 5% of new visitor motorized vehicle parking spaces being added, with a minimum of one two-bike capacity rack (5.106.4.1.1).
- Long-term bicycle parking. For new buildings with tenant spaces that have 10 or more tenant-occupants, provide secure bicycle parking for 5% of the tenant-occupant vehicular parking spaces with a minimum of one bicycle parking facility (5.106.4.1.2).
- EV charging stations. New construction shall facilitate the future installation of EV supply equipment. The compliance requires empty raceways for future conduit and documentation that the electrical system has adequate capacity for the future load. The number of spaces to be provided for is contained in Table 5.106. 5.3.3 (5.106.5.3). Additionally, Table 5.106.5.4.1 specifies requirements for the installation of raceway conduit and panel power requirements for medium- and heavy-duty electric vehicle supply equipment for warehouses, grocery stores, and retail stores.
- Outdoor light pollution reduction. Outdoor lighting systems shall be designed to meet the backlight, uplight and glare ratings per Table 5.106.8 (5.106.8).
- Construction waste management. Recycle and/or salvage for reuse a minimum of 65% of the nonhazardous construction and demolition waste in accordance with Section 5.408.1.1. 5.405.1.2, or 5.408.1.3; or meet a local construction and demolition waste management ordinance, whichever is more stringent (5.408.1).
- Excavated soil and land clearing debris. 100% of trees, stumps, rocks and associated vegetation and soils resulting primarily from land clearing shall be reuse or recycled. For a phased project, such material may be stockpiled on site until the storage site is developed (5.408.3).
- Recycling by Occupants. Provide readily accessible areas that serve the entire building and are identified for the depositing, storage, and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics, organic waste, and metals or meet a lawfully enacted local recycling ordinance, if more restrictive (5.410.1).
- Water conserving plumbing fixtures and fittings. Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the following:

  - Water Closets. The effective flush volume of all water closets shall not exceed 1.28 gallons per flush (5.303.3.1)
  - Urinals. The effective flush volume of wall-mounted urinals shall not exceed 0.125 gallons per flush (5.303.3.2.1). The effective flush volume of floor- mounted or other urinals shall not exceed 0.5 gallons per flush (5.303.3.2.2).
  - Showerheads. Single showerheads shall have a minimum flow rate of not more than 1.8 gallons per minute and 80 psi (5.303.3.3.1). When a shower is served by more than one showerhead, the combine flow rate of all showerheads and/or other shower outlets controlled by a single valve shall not exceed 1.8 gallons per minute at 80 psi (5.303.3.3.2).
  - Faucets and fountains. Nonresidential lavatory faucets shall have a maximum flow rate of not more than 0.5 gallons per minute at 60 psi (5.303.3.4.1). Kitchen faucets shall have a maximum flow rate of not more than 1.8 gallons per minute of 60 psi (5.303.3.4.2). Wash fountains shall have a maximum flow rate of not more than 1.8 gallons per minute (5.303.3.4.3). Metering faucets shall not deliver more than 0.20 gallons per cycle (5.303.3.4.4). Metering faucets for wash fountains shall have a maximum flow rate not more than 0.20 gallons per cycle (5.303.3.4.5).
- Outdoor potable water uses in landscaped areas. Nonresidential developments shall comply with a local water efficient landscape ordinance or the current California Department of Water Resources' Model Water Efficient Landscape Ordinance (MWELO), whichever is more stringent (5.304.1).
- Water meters. Separate submeters or metering devices shall be installed for new buildings or additions in excess of 50,000 sf or for excess consumption where any tenant within a new building or within an addition that is project to consume more than 1,000 gallons per day (GPD) (5.303.1.1 and 5.303.1.2).
- Outdoor water uses in rehabilitated landscape projects equal or greater than 2,500 sf. Rehabilitated landscape projects with an aggregate landscape area equal to or greater than 2,500 sf requiring a building or landscape permit (5.304.3).
- Commissioning. For new buildings 10,000 sf and over, building commissioning shall be included in the design and construction processes of the building project to verify that the building systems and components meet the owner's or owner representative's project requirements (5.410.2).

3.2.4 AB 1493 PAVLEY REGULATIONS AND FUEL EFFICIENCY STANDARDS

California AB 1493, enacted on July 22, 2002, required CARB to develop and adopt regulations that reduce GHGs emitted by passenger vehicles and light duty trucks. Under this legislation, CARB adopted regulations to reduce GHG emissions from non-commercial passenger vehicles (cars and light-duty trucks). Although aimed at reducing GHG emissions, specifically, a co-benefit of the Pavley standards is an improvement in fuel efficiency and consequently a reduction in fuel consumption.

3.2.5 CALIFORNIA'S RENEWABLE PORTFOLIO STANDARD (RPS)

First established in 2002 under Senate Bill (SB) 1078, California's Renewable Portfolio Standards (RPS) requires retail sellers of electric services to increase procurement from eligible renewable resources to 44% of total retail sales by 2024 (20).

3.2.6 CLEAN ENERGY AND POLLUTION REDUCTION ACT OF 2015 (SB 350)

In October 2015, the legislature approved, and the Governor signed SB 350, which reaffirms California's commitment to reducing its GHG emissions and addressing climate change. Key provisions include an increase in the renewables portfolio standard (RPS), higher energy efficiency requirements for buildings, initial strategies towards a regional electricity grid, and improved infrastructure for electric vehicle charging stations. Specifically, SB 350 requires the following to reduce statewide GHG emissions:

- Increase the amount of electricity procured from renewable energy sources from 33% to 50% by 2030, with interim targets of 40% by 2024, and 45% by 2027.
- Double the energy efficiency in existing buildings by 2030. This target will be achieved through the California Public Utility Commission (CPUC), the California Energy Commission (CEC), and local publicly owned utilities.
- Reorganize the Independent System Operator (ISO) to develop more regional electrify transmission markets and to improve accessibility in these markets, which will facilitate the growth of renewable energy markets in the western United States (California Leginfo 2015).

3.2.7 100 PERCENT CLEAN ENERGY ACT OF 2018 (SB 100)

In September 2018, the legislature approved, and the Governor signed SB 100, which builds on the targets established in SB 1078 and SB 350. Most notably, SB 100 sets a goal of powering all retail electricity sold in California with renewable and zero-carbon resources. Additionally, SB 100 updates the interim renewables target from 50% to 60% by 2030.

3.2.8 EXECUTIVE ORDER N-79-20 AND ADVANCED CLEAN CARS II

On August 25, 2022, CARB approved the Advanced Clean Cars II rule, which codifies the goals set out in Executive Order N-79-20 and establishes a year-by-year roadmap such that by 2035, 100% of new cars and light trucks sold in California will be zero-emission vehicles. Under this regulation, automakers are required to accelerate deliveries of zero-emission light-duty vehicles, beginning with model year 2026. CARB estimates that between 2026 and 2040, the regulation would reduce GHG emissions by a cumulative 395 million metric tons, equivalent to reducing petroleum use by 915 million barrels.

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4 PROJECT ENERGY DEMANDS AND ENERGY EFFICIENCY MEASURES

4.1 EVALUATION CRITERIA

Per Appendix F of the *State CEQA Guidelines* (21), states that the means of achieving the goal of energy conservation includes the following:

- Decreasing overall per capita energy consumption;
- Decreasing reliance on fossil fuels such as coal, natural gas, and oil; and
- Increasing reliance on renewable energy sources.

In compliance with Appendix G of the *State CEQA Guidelines* (1), this report analyzes the project's anticipated energy use during construction and operations to determine if the Project would:

- Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation; or
- Conflict with or obstruct a state or local plan for renewable energy or energy efficiency

4.2 METHODOLOGY

Information from the CalEEMod Version 2022.1.1.26 outputs for the *Oak Glen Townhomes Air Quality Impact Analysis* (AQIA) (22) was utilized in this analysis, detailing Project related construction equipment, transportation energy demands, and facility energy demands.

4.2.1 CALEEMOD

In July 2024 California Air Pollution Control Officers Association (CAPCOA) in conjunction with other California air districts, including SCAQMD, released the latest version of the CalEEMod Version 2022.1.1.26. The purpose of this model is to calculate construction-source and operational-source criteria pollutants and GHG emissions from direct and indirect sources as well as energy usage (23). Accordingly, the latest version of CalEEMod has been used to determine the proposed Project's anticipated transportation and facility energy demands. Outputs from the annual model runs are provided in Appendix 4.1.

4.2.2 EMISSION FACTORS MODEL

On May 2, 2022, the EPA approved the 2021 version of the EMissions FACtor model (EMFAC) web database for use in State Implementation Plan and transportation conformity analyses. EMFAC2021 is a mathematical model that was developed to calculate emission rates, fuel consumption, VMT from motor vehicles that operate on highways, freeways, and local roads in California and is commonly used by the CARB to project changes in future emissions from on-road mobile sources (24). This energy study utilizes the different fuel types for each vehicle class from the annual EMFAC2021 emission inventory in order to derive the average vehicle fuel economy which is then used to determine the estimated annual fuel consumption associated with vehicle usage during Project construction and operational activities. For purposes of analysis, the 2025 and 2026 analysis years were utilized to determine the average vehicle fuel

economy used throughout the duration of the Project. Output from the EMFAC2021 model run is provided in Appendix 4.3.

4.3 CONSTRUCTION ENERGY DEMANDS

The focus within this section is the energy implications of the construction process, specifically the power cost from on-site electricity consumption during construction of the proposed Project.

4.3.1 CONSTRUCTION POWER COST

The total Project construction power costs is the summation of the products of the area (sf) by the construction duration and the typical power cost.

CONSTRUCTION DURATION

For purposes of analysis, construction of Project is expected to commence in February 2025 and would last through May 2026 (22). The construction schedule utilized in the analysis, shown in Table 4-1, represents a "conservative" analysis scenario. The duration of construction activity and associated equipment represents a reasonable approximation of the expected construction fleet as required per *CEQA Guidelines* (25).

TABLE 4-1: CONSTRUCTION DURATION

Construction Activity	Start Date	End Date	Days
Site Preparation	2/3/2025	2/14/2025	10
Grading	2/17/2025	3/28/2025	30
Building Construction	3/31/2025	5/22/2026	300
Paving	4/27/2026	5/22/2026	20
Architectural Coating	4/6/2026	5/22/2026	35

PROJECT CONSTRUCTION POWER COST

The *2024 National Construction Estimator* identifies a typical power cost per 1,000 sf of construction per month of $2.66, which was used to calculate the Project's total construction power cost (26). As shown on Table 4-2, the total power cost of the on-site electricity usage during the construction of the Project is estimated to be approximately $42,381.30.

TABLE 4-2: CONSTRUCTION POWER COST

Land Use	Power Cost (per 1,000 SF)	Size (1,000 SF)	Construction Duration (months)	Project Construction Power Cost
Single Family Residential	$2.66	346.694	15	$13,833.09
Fast Food Restaurant w/o Drive Thru	$2.66	12.000	15	$478.80
Parking Lot	$2.66	56.628	15	$2,259.46
Other Asphalt Surfaces	$2.66	344.995	15	$13,765.30
Landscape	$2.66	301.871	15	$12,044.65
CONSTRUCTION POWER COST				***$42,381.30***

4.3.2 CONSTRUCTION ELECTRICITY USAGE

The total Project construction electricity usage is the summation of the products of the power cost (estimated in Table 4-2) by the utility provider cost per kilowatt hour (kWh) of electricity.

PROJECT CONSTRUCTION ELECTRICITY USAGE

The SCE's general service rate schedule was used to determine the Project's electrical usage. As of March 28, 2024, SCE's general service rate is $0.15 per kilowatt hours (kWh) of electricity for general services and $0.19 for residential services (27). As shown on Table 4-3, the total electricity usage from on-site Project construction related activities is estimated to be approximately 263,127 kWh.

TABLE 4-3: CONSTRUCTION ELECTRICITY USAGE

Land Use	Cost per kWh	Project Construction Electricity Usage (kWh)
Single Family Residential	$0.19	72,806
Fast Food Restaurant w/o Drive Thru	$0.15	3,192
Parking Lot	$0.15	15,063
Other Asphalt Surfaces	$0.15	91,769
Landscape	$0.15	80,298
CONSTRUCTION ELECTRICITY USAGE		***263,127***

4.3.3 CONSTRUCTION EQUIPMENT FUEL ESTIMATES

Fuel consumed by construction equipment would be the primary energy resource expended over the course of Project construction.

CONSTRUCTION EQUIPMENT

A summary of construction equipment assumptions by phase is provided at Table 4-4. Consistent with industry standards and typical construction practices, each piece of equipment listed in Table 4-4 will operate up to a total of eight (8) hours per day, or more than two-thirds of the period during which construction activities are allowed pursuant to the City Code.

TABLE 4-4: CONSTRUCTION EQUIPMENT ASSUMPTIONS

Construction Activity	Equipment	Amount	Hours Per Day
Site Preparation	Rubber Tired Dozers	3	8
	Crawler Tractors	4	8
Grading	Excavators	2	8
	Graders	1	8
	Rubber Tired Dozers	1	8
	Scrapers	2	8
	Crawler Tractors	2	8
Building Construction	Cranes	1	8
	Forklifts	3	8
	Generator Sets	1	8
	Tractors/Loaders/Backhoes	3	8
	Welders	1	8
Paving	Pavers	2	8
	Paving Equipment	2	8
	Rollers	2	8
Architectural Coating	Air Compressors	1	8

PROJECT CONSTRUCTION EQUIPMENT FUEL CONSUMPTION

Project construction activity timeline estimates, construction equipment schedules, equipment power ratings, load factors, and associated fuel consumption estimates are presented in Table 4-5. The aggregate fuel consumption rate for all equipment is estimated at 18.5 horsepower hour per gallon (hp-hr-gal.), obtained from CARB 2018 Emissions Factors Tables and cited fuel consumption rate factors presented in Table D-24 of the Moyer guidelines (28). For the purposes of this analysis, the calculations are based on all construction equipment being diesel-powered which is consistent with industry standards.

Diesel fuel would be supplied by existing commercial and residential fuel providers serving the Project area and region. As presented in Table 4-5, Project construction activities would consume an estimated 49,800 gallons of diesel fuel. Project construction would represent a “single-event” diesel fuel demand and would not require on-going or permanent commitment of diesel fuel resources for this purpose.

TABLE 4-5: CONSTRUCTION EQUIPMENT FUEL CONSUMPTION ESTIMATES

Construction Activity	Duration (Days)	Equipment	HP Rating	Quantity	Usage Hours	Load Factor	HP-hrs/day	Total Fuel Consumption
Site Preparation	10	Rubber Tired Dozers	367	3	8	0.4	3,523	1,904
		Crawler Tractors	87	4	8	0.43	1,197	647
Grading	30	Excavators	36	2	8	0.38	219	355
		Graders	148	1	8	0.41	485	787
		Rubber Tired Dozers	367	1	8	0.40	1,174	1,904
		Scrapers	423	2	8	0.48	3,249	5,268
		Crawler Tractors	87	2	8	0.43	599	971
Building Construction	300	Cranes	367	1	8	0.29	851	13,807
		Forklifts	82	3	8	0.20	394	6,383
		Generator Sets	14	1	8	0.74	83	1,344
		Tractors/Loaders/Backhoes	84	3	8	0.37	746	12,096
		Welders	46	1	8	0.45	166	2,685
Paving	20	Pavers	81	2	8	0.42	544	588
		Paving Equipment	89	2	8	0.36	513	554
		Rollers	36	2	8	0.38	219	237
Architectural Coating	35	Air Compressors	37	1	8	0.48	142	269
CONSTRUCTION FUEL DEMAND (GALLONS DIESEL FUEL)								***49,800***

4.3.4 CONSTRUCTION TRIPS AND VMT

Construction generates on-road vehicle emissions from vehicle usage for workers, hauling, and vendors commuting to and from the site. The number of workers, hauling, and vendor trips are presented below in Table 4-6.

TABLE 4-6: CONSTRUCTION TRIPS AND VMT

Construction Activity	Worker Trips Per Day	Vendor Trips Per Day	Hauling Trips Per Day
Site Preparation	18	1	0
Grading	20	2	0
Building Construction	57	15	0
Paving	15	0	0
Architectural Coating	11	0	0

4.3.5 CONSTRUCTION WORKER FUEL ESTIMATES

With respect to estimated VMT for the Project, the construction worker trips would generate an estimated 640,637 VMT during the 15 months of construction (22). Based on CalEEMod methodology, it is assumed that 50% of all vendor trips are from light-duty-auto vehicles (LDA), 25% are from light-duty-trucks (LDT1[2]), and 25% are from light-duty-trucks (LDT2[3]). Data regarding Project related construction worker trips were based on CalEEMod defaults utilized within the AQIA.

Vehicle fuel efficiencies for LDA, LDT1, and LDT2 were estimated using information generated within the 2021 version of the EMFAC developed by CARB. EMFAC2021 is a mathematical model that was developed to calculate emission rates, fuel consumption, and VMT from motor vehicles that operate on highways, freeways, and local roads in California and is commonly used by the CARB to project changes in future emissions from on-road mobile sources (24). EMFAC2021 was run for the LDA, LDT1, and LDT2 vehicle class within the California sub-area for the 2025 and 2026 calendar years. Data from EMFAC2021 is shown in Appendix 4.3.

Table 4-7 provides an estimated annual fuel consumption resulting from Project construction worker trips. Based on Table 4-7, it is estimated that 22,242 gallons of fuel will be consumed related to construction worker trips during full construction of the Project.

[2] Vehicles under the LDT1 category have a gross vehicle weight rating (GVWR) of less than 6,000 lbs. and equivalent test weight (ETW) of less than or equal to 3,750 lbs.

[3] Vehicles under the LDT2 category have a GVWR of less than 6,000 lbs. and ETW between 3,751 lbs. and 5,750 lbs.

TABLE 4-7: CONSTRUCTION WORKER FUEL CONSUMPTION ESTIMATES

Year	Construction Activity	Duration (Days)	Worker Trips/Day	Trip Length (miles)	VMT	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
2025	LDA						
	Site Preparation	10	9	18.5	1,665	32.57	51
	Grading	30	10	18.5	5,550	32.57	170
	Building Construction	198	29	18.5	106,227	32.57	3,262
	LDT1						
	Site Preparation	10	5	18.5	925	25.11	37
	Grading	30	5	18.5	2,775	25.11	110
	Building Construction	198	15	18.5	54,945	25.11	2,188
	LDT2						
	Site Preparation	10	5	18.5	925	25.24	37
	Grading	30	5	18.5	2,775	25.24	110
	Building Construction	198	15	18.5	54,945	25.24	2,177
2026	LDA						
	Building Construction	363	29	18.5	194,750	33.47	5,818
	Paving	20	8	18.5	2,960	33.47	88
	Architectural Coating	35	6	18.5	3,885	33.47	116
	LDT1						
	Building Construction	363	15	18.5	100,733	25.64	3,928
	Paving	20	4	18.5	1,480	25.64	58
	Architectural Coating	35	3	18.5	1,943	25.64	76
	LDT2						

Year	Construction Activity	Duration (Days)	Worker Trips/Day	Trip Length (miles)	VMT	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
	Building Construction	363	15	18.5	100,733	25.93	3,884
	Paving	20	4	18.5	1,480	25.93	57
	Architectural Coating	35	3	18.5	1,943	25.93	75
TOTAL CONSTRUCTION WORKER FUEL CONSUMPTION							***22,242***

It should be noted that construction worker trips would represent a "single-event" gasoline fuel demand and would not require on-going or permanent commitment of fuel resources for this purpose.

4.3.6 CONSTRUCTION VENDOR/HAULING FUEL ESTIMATES

With respect to estimated VMT, the construction vendor trips (vehicles that deliver materials to the site during construction) would generate an estimated 92,371 VMT along area roadways for the Project over the duration of construction activity (22). It is assumed that 50% of all vendor trips are from medium-heavy duty trucks (MHDT) and 50% of vendor trips are from heavy-heavy duty trucks (HHDT). These assumptions are consistent with the CalEEMod defaults utilized within the within the AQIA (22). Vehicle fuel efficiencies for MHDTs and HHDTs were estimated using information generated within EMFAC2021. EMFAC2021 was run for the MHDT and HHDT vehicle classes within the California sub-area for the 2025 and 2026 calendar years. Data from EMFAC2021 is shown in Appendix 4.3.

Based on Table 4-8, it is estimated that 12,857 gallons of fuel will be consumed related to construction vendor trips during full construction of the Project.

It should be noted that Project construction vendor trips would represent a "single-event" diesel fuel demand and would not require on-going or permanent commitment of diesel fuel resources for this purpose.

TABLE 4-8: CONSTRUCTION VENDOR FUEL CONSUMPTION ESTIMATES

Year	Construction Activity	Duration (Days)	Vendor Trips/Day	Trip Length (miles)	VMT	Average Vehicle Fuel Economy (mpg)	Estimated Fuel Consumption (gallons)
2025	MHDT						
	Site Preparation	10	1	10.2	102	8.46	12
	Grading	30	1	10.2	306	8.46	36
	Building Construction	198	8	10.2	16,157	8.46	1,910
	HHDT						
	Site Preparation	10	1	10.2	102	6.13	17
	Grading	30	1	10.2	306	6.13	50
	Building Construction	198	8	10.2	16,157	6.13	2,636
2026	MHDT						
	Building Construction	363	8	10.2	29,621	8.59	3,449
	HHDT						
	Building Construction	363	8	10.2	29,621	6.24	4,747
	TOTAL CONSTRUCTION VENDOR FUEL CONSUMPTION						***12,857***

4.3.7 CONSTRUCTION ENERGY EFFICIENCY/CONSERVATION MEASURES

Starting in 2014, CARB adopted the nation's first regulation aimed at cleaning up off-road construction equipment such as bulldozers, graders, and backhoes. These requirements ensure fleets gradually turnover the oldest and dirtiest equipment to newer, cleaner models and prevent fleets from adding older, dirtier equipment. As such, the equipment used for Project construction would conform to CARB regulations and California emissions standards. It should also be noted that there are no unusual Project characteristics or construction processes that would require the use of equipment that would be more energy intensive than is used for comparable activities; or equipment that would not conform to current emissions standards (and related fuel efficiencies). Equipment employed in construction of the Project would therefore not result in inefficient wasteful, or unnecessary consumption of fuel.

Construction contractors would be required to comply with applicable CARB regulation regarding retrofitting, repowering, or replacement of diesel off-road construction equipment. Additionally, CARB has adopted the Airborne Toxic Control Measure to limit heavy-duty diesel motor vehicle idling in order to reduce public exposure to diesel particulate matter and other Toxic Air Contaminants. Compliance with anti-idling and emissions regulations would result in a more efficient use of construction-related energy and the minimization or elimination of wasteful or unnecessary consumption of energy. Idling restrictions and the use of newer engines and equipment would result in less fuel combustion and energy consumption.

Additional construction-source energy efficiencies would occur due to required California regulations and best available control measures (BACM). For example, CCR Title 13, Motor Vehicles, section 2449(d)(3) Idling, limits idling times of construction vehicles to no more than five minutes, thereby precluding unnecessary and wasteful consumption of fuel due to unproductive idling of construction equipment. Section 2449(d)(3) requires that grading plans shall reference the requirement that a sign shall be posted on-site stating that construction workers need to shut off engines at or before five minutes of idling." In this manner, construction equipment operators are required to be informed that engines are to be turned off at or prior to five minutes of idling. Enforcement of idling limitations is realized through periodic site inspections conducted by City building officials, and/or in response to citizen complaints.

A full analysis related to the energy needed to form construction materials is not included in this analysis due to a lack of detailed Project-specific information on construction materials. At this time, an analysis of the energy needed to create Project-related construction materials would be extremely speculative and thus has not been prepared.

In general, the construction processes promote conservation and efficient use of energy by reducing raw materials demands, with related reduction in energy demands associated with raw materials extraction, transportation, processing, and refinement. Use of materials in bulk reduces energy demands associated with preparation and transport of construction materials as well as the transport and disposal of construction waste and solid waste in general, with corollary reduced demands on area landfill capacities and energy consumed by waste transport and landfill operations.

4.4 OPERATIONAL ENERGY DEMANDS

Energy consumption in support of or related to Project operations would include transportation energy demands (energy consumed by passenger car and truck vehicles accessing the Project site), fuel demands from operational equipment, and facilities energy demands (energy consumed by building operations and site maintenance activities).

4.4.1 TRANSPORTATION ENERGY DEMANDS

Energy that would be consumed by Project-generated traffic is a function of total VMT and estimated vehicle fuel economies of vehicles accessing the Project site. The VMT per vehicle class can be determined by evaluated in the vehicle fleet mix and the total VMT. As with worker and vendors trips, operational vehicle fuel efficiencies were estimated using information generated within EMFAC2021 developed by CARB (24). EMFAC2021 was run for the San Bernardino (SC) subarea for the 2026 calendar year. Data from EMFAC2021 is shown in Appendix 4.3.

As summarized on Table 4-9, the Project would result in an estimated 11,958,149 annual VMT and an annual fuel consumption of 484,242 gallons of fuel.

TABLE 4-9: TOTAL PROJECT-GENERATED TRAFFIC ANNUAL FUEL CONSUMPTION

Vehicle Type	Average Vehicle Fuel Economy (mpg)	Annual VMT	Estimated Annual Fuel Consumption (gallons)
LDA	33.47	5,974,144	178,469
LDT1	25.64	471,400	18,382
LDT2	25.93	2,490,474	96,036
MDV	21.11	1,833,938	86,888
LHDT1	16.62	341,624	20,554
LHDT2	15.58	93,275	5,988
MHDT	8.59	210,878	24,558
HHDT	6.24	215,077	34,466
OBUS	6.38	7,304	1,145
UBUS	5.04	3,735	741
MCY	42.30	250,621	5,925
SBUS	6.46	13,062	2,021
MH	5.80	52,616	9,070
	TOTAL (ALL VEHICLES)	***11,958,149***	***484,242***

4.4.5 FACILITY ENERGY DEMANDS

Project building operations activities would result in the consumption of electricity and natural gas. Electricity and natural gas would be supplied to the Project by SCE and SoCal Gas. Electricity and natural gas demands of the Project are summarized in Table 4-10 and provided in Appendix 4.1.

TABLE 4-10: PROJECT ANNUAL OPERATIONAL ENERGY DEMAND SUMMARY

Land Use	Electricity Demand (kWh/year)	Natural Gas Demand (kBTU/year)
Single Family Residential	1,103,395	4,537,009
Fast Food Restaurant w/o Drive Thru	420,800	1,371,250
Parking Lot	49,606	0
TOTAL PROJECT ENERGY DEMAND	***1,573,801***	***5,908,259***

kBTU – kilo-British Thermal Units

4.4.6 OPERATIONAL ENERGY EFFICIENCY/CONSERVATION MEASURES

Energy efficiency/energy conservation attributes of the Project would be complemented by increasingly stringent state and federal regulatory actions addressing vehicle fuel economies and vehicle emissions standards; and enhanced building/utilities energy efficiencies mandated under California building codes (e.g., Title 24, California Green Building Standards Code).

ENHANCED VEHICLE FUEL EFFICIENCIES

Project annual fuel consumption estimates presented previously in Table 4-10 represent likely potential maximums that would occur for the Project. Under subsequent future conditions, average fuel economies of vehicles accessing the Project site can be expected to improve as older, less fuel-efficient vehicles are removed from circulation, and in response to fuel economy and emissions standards imposed on newer vehicles entering the circulation system.

Enhanced fuel economies realized pursuant to federal and state regulatory actions, and related transition of vehicles to alternative energy sources (e.g., electricity, natural gas, biofuels, hydrogen cells) would likely decrease future gasoline fuel demands per VMT. Location of the Project proximate to regional and local roadway systems tends to reduce VMT within the region, acting to reduce regional vehicle energy demands.

4.5 SUMMARY

4.5.1 CONSTRUCTION ENERGY DEMANDS

The estimated power cost of on-site electricity usage during the construction of the Project is assumed to be approximately $42,381.30. Additionally, based on the assumed power cost, it is estimated that the total electricity usage during construction, after full Project build-out, is calculated to be approximately 263,127 kWh.

Construction equipment used by the Project would result in single event consumption of approximately 49,800 gallons of diesel fuel. Construction equipment use of fuel would not be atypical for the type of construction proposed because there are no aspects of the Project's proposed construction process that are unusual or energy-intensive, and Project construction equipment would conform to the applicable CARB emissions standards, acting to promote equipment fuel efficiencies.

CCR Title 13, Title 13, Motor Vehicles, section 2449(d)(3) Idling, limits idling times of construction vehicles to no more than 5 minutes, thereby precluding unnecessary and wasteful consumption of fuel due to unproductive idling of construction equipment. BACMs inform construction equipment operators of this requirement. Enforcement of idling limitations is realized through periodic site inspections conducted by City building officials, and/or in response to citizen complaints.

Construction worker trips for full construction of the Project would result in the estimated fuel consumption of 22,242 gallons of fuel. Additionally, fuel consumption from construction vendor trips (MHDTs and HHDTs) will total approximately 12,857 gallons. Diesel fuel would be supplied by City and regional commercial and residential vendors. Indirectly, construction energy efficiencies and energy conservation would be achieved using bulk purchases, transport and use of construction materials. The 2023 IEPR released by the CEC has shown that fuel efficiencies are getting better within on and off-road vehicle engines due to more stringent government requirements (17). As supported by the preceding discussions, Project construction energy consumption would not be considered inefficient, wasteful, or otherwise unnecessary.

4.5.2 Operational Energy Demands

Transportation Energy Demands

Annual vehicular trips and related VMT generated by the operation of the Project would result in a fuel demand of 484,242 gallons of fuel.

Fuel would be provided by current and future commercial and residential vendors. Trip generation and VMT generated by the Project are consistent with other commercial and residential uses of similar scale and configuration, as reflected respectively in the Institute of Transportation Engineers (ITE) Trip Generation Manual ((11th Ed., 2021); and CalEEMod. As such, Project operations would not result in excessive and wasteful vehicle trips and VMT, nor excess and wasteful vehicle energy consumption compared to other commercial and residential uses.

It should be noted that the state strategy for the transportation sector for medium and heavy-duty trucks is focused on making trucks more efficient and expediting truck turnover rather than reducing VMT from trucks. This is in contrast to the passenger vehicle component of the transportation sector where both per-capita VMT reductions and an increase in vehicle efficiency are forecasted to be needed to achieve the overall state emissions reductions goals.

Enhanced fuel economies realized pursuant to federal and state regulatory actions, and related transition of vehicles to alternative energy sources (e.g., electricity, natural gas, biofuels, hydrogen cells) would likely decrease future gasoline fuel demands per VMT. Location of the Project proximate to regional and local roadway systems tends to reduce VMT within the region, acting to reduce regional vehicle energy demands. The Project would implement sidewalks, facilitating and encouraging pedestrian access. Facilitating pedestrian and bicycle access would reduce VMT and associated energy consumption. In compliance with the California Green Building Standards Code and City requirements, the Project would promote the use of bicycles as an alternative mean of transportation by providing short-term and/or long-term bicycle

parking accommodations. As supported by the preceding discussions, Project transportation energy consumption would not be considered inefficient, wasteful, or otherwise unnecessary.

FACILITY ENERGY DEMANDS

Project facility operational energy demands are estimated at: 1,573,801 kWh/year of electricity and 5,908,259 kBTU/year of natural gas. Electricity would be supplied by SCE, and natural gas would be supplied by SoCal Gas. The Project proposes conventional commercial and residential uses reflecting contemporary energy efficient/energy conserving designs and operational programs. The Project does not propose uses that are inherently energy intensive and the energy demands in total would be comparable to other commercial and residential uses of similar scale and configuration.

Implementation of the Project would increase the demand for electricity at the Project site and petroleum consumption in the region during operation. However, the electrical consumption demands of the Project during operation would conform to the state's Title 24 and to CALGreen standards, which implement conservation measures. Further, the proposed Project would not directly require the construction of new energy generation or supply facilities and providers of electricity are in compliance with regulatory requirements that assist in conservation, including requirements that electrical providers achieve state-mandated renewal energy production requirements. With compliance with Title 24 conservation standards and other regulatory requirements, the Project would not be wasteful or inefficient or unnecessarily consume energy resources during construction or operation and would result in a less-than-significant impact with respect to consumption of energy resources. Lastly, the Project will comply with the applicable 2022 Title 24 standards. Compliance with applicable Title 24 standards will ensure that the Project energy demands would not be inefficient, wasteful, or otherwise unnecessary.

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5 CONCLUSIONS

5.1 ENERGY IMPACT 1

Would the Project result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?

Impact Analysis

A significant impact would occur if the proposed Project would result in the inefficient, wasteful, or unnecessary use of energy.

Construction

Based on CalEEMod estimations within the modeling output files used to estimate GHG emissions associated with the Project, construction-related vehicle trips would result in approximately 733,008 VMT and consume an estimated 35,099 gallons of diesel fuel during the construction phases. Additionally, on-site construction equipment would consume an estimated 49,800 gallons of diesel fuel. Limitations on idling of vehicles and equipment and requirements that equipment be properly maintained would result in fuel savings. California Code of Regulations, Title 13, Sections 2449 and 2485, limit idling from both on-road and off-road diesel- powered equipment and are enforced by the ARB. Additionally, given the cost of fuel, contractors and owners have a strong financial incentive to avoid wasteful, inefficient, and unnecessary consumption of energy during construction.

Due to the temporary nature of construction and the financial incentives for developers and contractors to use energy-consuming resources in an efficient manner, the construction phase of the proposed project would not result in wasteful, inefficient, and unnecessary consumption of energy. Therefore, the construction-related impacts related to electricity and fuel consumption would be less than significant.

Operation

Electricity and Natural Gas

Operation of the proposed project would consume energy as part of building operations and transportation activities. Building operations would involve energy consumption for multiple purposes including, but not limited to, building heating and cooling, refrigeration, lighting, and electronics. Based on CalEEMod energy use estimations, operations for the Project would result in approximately 1,573,801 kWh/year of electricity and 5,908,259 kBTU/year of natural gas annually.

Development of the Project would be designed and constructed in accordance with the City's latest adopted energy efficiency standards, which are based on the California Title 24 energy efficiency standards. Title 24 standards include a broad set of energy conservation requirements that apply to the structural, mechanical, electrical, and plumbing systems in a building. For

example, the Title 24 Lighting Power Density requirements define the maximum wattage of lighting that can be used in a building based on its square footage. Title 24 standards are widely regarded as the most advanced energy efficiency standards, would help reduce the amount of energy required for lighting, water heating, and heating and air conditioning in buildings and promote energy conservation.

Fuel

Operational energy would also be consumed during vehicle trips associated with future development projects envisioned under the proposed project. Fuel consumption would be primarily related to vehicle use by residents, visitors, and employees associated with the Project. Based on CalEEMod energy use estimations, project-related vehicle trips would result in an approximately 11,958,149 VMT and consume an estimated 484,242 gallons of gasoline and diesel combined, annually (see Appendix 4.1).

The Project is surrounded by existing urban uses, the existing transportation facilities and infrastructure would provide residents, visitors, and employees associated with the Project access to a mix of land uses in close proximity to the Project, thus further reducing fuel consumption demand. Additionally, the Project will also be providing parking and EV infrastructure that would further promote fuel efficient vehicles. For these reasons, operational-related transportation fuel consumption would not result in a significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources. Therefore, the operational impact related to vehicle fuel consumption would be less than significant.

5.2 ENERGY IMPACT 2

Would the Project conflict with or obstruct a state or local plan for renewable energy or energy efficiency?

Impact Analysis

A significant impact would occur if the proposed Project would conflict with or obstruct a State or local plan for renewable energy or energy efficiency.

Construction

As discussed in Section 5.1, above, the proposed project would result in energy consumption through the combustion of fossil fuels in construction vehicles, worker commute vehicles, and construction equipment, and the use of electricity for temporary buildings, lighting, and other sources. California Code of Regulations Title 13, Sections 2449 and 2485, limit idling from both on- road and off-road diesel-powered equipment and are enforced by the CARB. The proposed project would comply with these regulations. There are no policies at the local level applicable to energy conservation specific to the construction phase. Thus, it is anticipated that construction of the proposed project would not conflict with any applicable plan, policy, or regulation adopted for the purpose of reducing energy use or increasing the use of renewable energy. Therefore, construction- related energy efficiency and renewable energy standards consistency impacts would be less than significant.

Operation

California's Renewable Portfolio Standard (RPS) establishes a goal of renewable energy for local providers to be 44% by 2040. Similarly, the State is promoting renewable energy targets to meet the 2022 Scoping Plan greenhouse gas emissions reductions. As discussed in Section 5.1, above, the Project would result in approximately 1,573,801 kWh of electricity and 5,908,259 kBTU/year of natural gas annually.

Development of the Project would be designed and constructed in accordance with the City's latest adopted energy efficiency standards, which are based on the California Title 24 energy efficiency standards. Title 24 standards include a broad set of energy conservation requirements that apply to the structural, mechanical, electrical, and plumbing systems in a building. For example, the Title 24 Lighting Power Density requirements define the maximum wattage of lighting that can be used in a building based on its square footage. Title 24 standards are widely regarded as the most advanced energy efficiency standards, would help reduce the amount of energy required for lighting, water heating, and heating and air conditioning in buildings and promote energy conservation.

Compliance with the aforementioned mandatory measures would ensure that development of the project would not conflict with any applicable plan, policy, or regulation adopted for the purpose of reducing energy use or increasing the use of renewable energy. Therefore, operational energy efficiency and renewable energy standards consistency impacts would be less than significant.

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7 CERTIFICATIONS

The contents of this energy analysis report represent an accurate depiction of the environmental impacts associated with the proposed Oak Glen Townhomes. The information contained in this energy analysis report is based on the best available data at the time of preparation. If you have any questions, please contact me directly at hqureshi@urbanxroads.com.

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EDUCATION

Master of Science in Environmental Studies
California State University, Fullerton • May 2010

Bachelor of Arts in Environmental Analysis and Design
University of California, Irvine • June 2006

PROFESSIONAL AFFILIATIONS

AEP – Association of Environmental Planners
AWMA – Air and Waste Management Association
ASTM – American Society for Testing and Materials

PROFESSIONAL CERTIFICATIONS

Planned Communities and Urban Infill – Urban Land Institute • June 2011
Indoor Air Quality and Industrial Hygiene – EMSL Analytical • April 2008
Principles of Ambient Air Monitoring – California Air Resources Board • August 2007
AB2588 Regulatory Standards – Trinity Consultants • November 2006
Air Dispersion Modeling – Lakes Environmental • June 2006

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APPENDIX 4.1:

CALEEMOD PROPOSED PROJECT EMISSIONS MODEL OUTPUTS

15809 - Oak Glen Townhomes Detailed Report

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Data Field	Value
Project Name	15809 - Oak Glen Townhomes
Construction Start Date	2/3/2025
Operational Year	2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	1.80
Location	34.04961269002504, -117.03632251465918
County	San Bernardino-South Coast
City	Yucaipa
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5165
EDFZ	10
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.26

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Single Family Housing	145	Dwelling Unit	7.96	346,694	301,871	—	480	—

Fast Food Restaurant w/o Drive Thru	12.0	1000sqft	0.28	12,000	0.00	—	—	—
Parking Lot	323	Space	1.30	0.00	0.00	—	—	—
Other Asphalt Surfaces	7.92	Acre	7.92	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	70.9	70.4	19.8	31.8	0.05	0.77	1.22	1.99	0.71	0.29	1.00	—	5,929	5,929	0.26	0.14	5.15	5,983
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.91	4.13	37.6	33.5	0.06	1.93	5.90	7.83	1.78	2.74	4.52	—	7,035	7,035	0.29	0.12	0.11	7,065
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.01	6.92	10.3	13.1	0.02	0.43	0.88	1.31	0.40	0.27	0.67	—	2,813	2,813	0.13	0.07	1.06	2,839
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.28	1.26	1.88	2.40	< 0.005	0.08	0.16	0.24	0.07	0.05	0.12	—	466	466	0.02	0.01	0.18	470

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.79	1.49	12.1	18.9	0.03	0.47	0.88	1.35	0.44	0.21	0.65	—	3,900	3,900	0.18	0.12	4.29	3,944
2026	70.9	70.4	19.8	31.8	0.05	0.77	1.22	1.99	0.71	0.29	1.00	—	5,929	5,929	0.26	0.14	5.15	5,983
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	4.91	4.13	37.6	33.5	0.06	1.93	5.90	7.83	1.78	2.74	4.52	—	7,035	7,035	0.29	0.12	0.11	7,065
2026	1.68	1.39	11.4	17.4	0.03	0.42	0.88	1.29	0.38	0.21	0.59	—	3,810	3,810	0.15	0.12	0.10	3,849
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.45	1.21	10.3	13.1	0.02	0.43	0.88	1.31	0.40	0.27	0.67	—	2,813	2,813	0.13	0.07	1.06	2,839
2026	7.01	6.92	3.69	5.69	0.01	0.14	0.27	0.40	0.13	0.06	0.19	—	1,186	1,186	0.05	0.04	0.51	1,198
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.26	0.22	1.88	2.40	< 0.005	0.08	0.16	0.24	0.07	0.05	0.12	—	466	466	0.02	0.01	0.18	470
2026	1.28	1.26	0.67	1.04	< 0.005	0.02	0.05	0.07	0.02	0.01	0.03	—	196	196	0.01	0.01	0.08	198

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	42.9	40.6	23.0	179	0.38	0.58	30.3	30.9	0.56	7.69	8.25	169	43,208	43,377	19.6	2.04	131	44,606
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	39.8	37.4	24.2	152	0.36	0.57	30.3	30.9	0.56	7.69	8.25	169	40,966	41,134	19.8	2.10	12.1	42,268

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	32.0	30.3	17.3	124	0.27	0.33	23.2	23.5	0.32	5.89	6.21	169	30,342	30,511	19.1	1.62	49.3	31,520
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.84	5.53	3.16	22.6	0.05	0.06	4.24	4.30	0.06	1.08	1.13	27.9	5,024	5,051	3.16	0.27	8.16	5,218

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	33.3	31.2	19.0	168	0.36	0.26	30.3	30.5	0.24	7.69	7.93	—	36,652	36,652	2.36	1.96	122	37,419
Area	9.49	9.30	2.49	9.77	0.02	0.20	—	0.20	0.20	—	0.20	0.00	3,077	3,077	0.06	0.01	—	3,080
Energy	0.17	0.09	1.51	0.80	0.01	0.12	—	0.12	0.12	—	0.12	—	3,386	3,386	0.31	0.02	—	3,400
Water	—	—	—	—	—	—	—	—	—	—	—	18.6	92.4	111	1.91	0.05	—	173
Waste	—	—	—	—	—	—	—	—	—	—	—	150	0.00	150	15.0	0.00	—	525
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.95	8.95
Total	42.9	40.6	23.0	179	0.38	0.58	30.3	30.9	0.56	7.69	8.25	169	43,208	43,377	19.6	2.04	131	44,606
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	30.9	28.8	20.3	150	0.33	0.26	30.3	30.5	0.24	7.69	7.93	—	34,434	34,434	2.52	2.03	3.16	35,105
Area	8.63	8.49	2.41	1.02	0.02	0.19	—	0.19	0.19	—	0.19	0.00	3,053	3,053	0.06	0.01	—	3,056
Energy	0.17	0.09	1.51	0.80	0.01	0.12	—	0.12	0.12	—	0.12	—	3,386	3,386	0.31	0.02	—	3,400
Water	—	—	—	—	—	—	—	—	—	—	—	18.6	92.4	111	1.91	0.05	—	173
Waste	—	—	—	—	—	—	—	—	—	—	—	150	0.00	150	15.0	0.00	—	525
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.95	8.95
Total	39.8	37.4	24.2	152	0.36	0.57	30.3	30.9	0.56	7.69	8.25	169	40,966	41,134	19.8	2.10	12.1	42,268

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	22.9	21.3	15.6	117	0.26	0.20	23.2	23.4	0.18	5.89	6.08	—	26,638	26,638	1.89	1.55	40.3	27,188
Area	8.96	8.92	0.22	6.06	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	226	226	< 0.005	< 0.005	—	226
Energy	0.17	0.09	1.51	0.80	0.01	0.12	—	0.12	0.12	—	0.12	—	3,386	3,386	0.31	0.02	—	3,400
Water	—	—	—	—	—	—	—	—	—	—	—	18.6	92.4	111	1.91	0.05	—	173
Waste	—	—	—	—	—	—	—	—	—	—	—	150	0.00	150	15.0	0.00	—	525
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.95	8.95
Total	32.0	30.3	17.3	124	0.27	0.33	23.2	23.5	0.32	5.89	6.21	169	30,342	30,511	19.1	1.62	49.3	31,520
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.17	3.88	2.84	21.4	0.05	0.04	4.24	4.27	0.03	1.08	1.11	—	4,410	4,410	0.31	0.26	6.68	4,501
Area	1.63	1.63	0.04	1.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	37.4	37.4	< 0.005	< 0.005	—	37.4
Energy	0.03	0.02	0.28	0.15	< 0.005	0.02	—	0.02	0.02	—	0.02	—	561	561	0.05	< 0.005	—	563
Water	—	—	—	—	—	—	—	—	—	—	—	3.07	15.3	18.4	0.32	0.01	—	28.6
Waste	—	—	—	—	—	—	—	—	—	—	—	24.8	0.00	24.8	2.48	0.00	—	86.9
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.48	1.48
Total	5.84	5.53	3.16	22.6	0.05	0.06	4.24	4.30	0.06	1.08	1.13	27.9	5,024	5,051	3.16	0.27	8.16	5,218

3. Construction Emissions Details

3.1. Site Preparation (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	4.82	4.05	37.5	32.4	0.05	1.93	—	1.93	1.78	—	1.78	—	5,528	5,528	0.22	0.04	—	5,547
Dust From Material Movement	—	—	—	—	—	—	5.66	5.66	—	2.69	2.69	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.13	0.11	1.03	0.89	< 0.005	0.05	—	0.05	0.05	—	0.05	—	151	151	0.01	< 0.005	—	152
Dust From Material Movement	—	—	—	—	—	—	0.16	0.16	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.02	0.02	0.19	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	25.1	25.1	< 0.005	< 0.005	—	25.2
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.08	1.03	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	226	226	0.01	0.01	0.02	229
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	30.9	30.9	< 0.005	< 0.005	< 0.005	32.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.28	6.28	< 0.005	< 0.005	0.01	6.37
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.85	0.85	< 0.005	< 0.005	< 0.005	0.89
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.04	1.04	< 0.005	< 0.005	< 0.005	1.05
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.14	0.14	< 0.005	< 0.005	< 0.005	0.15
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.24	3.57	32.6	29.4	0.06	1.52	—	1.52	1.40	—	1.40	—	6,715	6,715	0.27	0.05	—	6,738

Dust From Material Movement	—	—	—	—	—	—	2.67	2.67	—	0.98	0.98	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.29	2.68	2.42	0.01	0.12	—	0.12	0.11	—	0.11	—	552	552	0.02	< 0.005	—	554
Dust From Material Movement	—	—	—	—	—	—	0.22	0.22	—	0.08	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.49	0.44	< 0.005	0.02	—	0.02	0.02	—	0.02	—	91.4	91.4	< 0.005	< 0.005	—	91.7
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.10	1.17	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	258	258	0.01	0.01	0.03	262

Vendor	0.01	< 0.005	0.07	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	61.7	61.7	< 0.005	0.01	< 0.005	64.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	21.5	21.5	< 0.005	< 0.005	0.04	21.8
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.07	5.07	< 0.005	< 0.005	0.01	5.32
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.57	3.57	< 0.005	< 0.005	0.01	3.62
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.84	0.84	< 0.005	< 0.005	< 0.005	0.88
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.45	1.21	11.3	14.1	0.03	0.47	—	0.47	0.43	—	0.43	—	2,630	2,630	0.11	0.02	—	2,639
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.45	1.21	11.3	14.1	0.03	0.47	—	0.47	0.43	—	0.43	—	2,630	2,630	0.11	0.02	—	2,639

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	0.66	6.11	7.64	0.01	0.25	—	0.25	0.23	—	0.23	—	1,421	1,421	0.06	0.01	—	1,426
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.12	1.39	< 0.005	0.05	—	0.05	0.04	—	0.04	—	235	235	0.01	< 0.005	—	236
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.29	0.26	0.25	4.46	0.00	0.00	0.75	0.75	0.00	0.18	0.18	—	807	807	0.03	0.03	2.99	819
Vendor	0.05	0.01	0.51	0.28	< 0.005	0.01	0.13	0.14	0.01	0.04	0.04	—	463	463	0.04	0.07	1.30	486
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.25	0.28	3.36	0.00	0.00	0.75	0.75	0.00	0.18	0.18	—	739	739	0.03	0.03	0.08	749
Vendor	0.05	0.01	0.54	0.28	< 0.005	0.01	0.13	0.14	0.01	0.04	0.04	—	463	463	0.04	0.07	0.03	485
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.16	1.92	0.00	0.00	0.40	0.40	0.00	0.09	0.09	—	405	405	0.02	0.02	0.70	411
Vendor	0.02	0.01	0.29	0.15	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	250	250	0.02	0.04	0.30	262

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.03	0.35	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	67.1	67.1	< 0.005	< 0.005	0.12	68.0
Vendor	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	41.4	41.4	< 0.005	0.01	0.05	43.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.38	1.16	10.7	14.1	0.03	0.41	—	0.41	0.38	—	0.38	—	2,630	2,630	0.11	0.02	—	2,639
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.38	1.16	10.7	14.1	0.03	0.41	—	0.41	0.38	—	0.38	—	2,630	2,630	0.11	0.02	—	2,639
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.38	0.32	2.97	3.91	0.01	0.11	—	0.11	0.10	—	0.10	—	731	731	0.03	0.01	—	733

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.54	0.71	< 0.005	0.02	—	0.02	0.02	—	0.02	—	121	121	< 0.005	< 0.005	—	121
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.25	0.23	4.12	0.00	0.00	0.75	0.75	0.00	0.18	0.18	—	790	790	0.03	0.03	2.70	802
Vendor	0.05	0.01	0.49	0.27	< 0.005	0.01	0.13	0.14	0.01	0.04	0.04	—	455	455	0.03	0.07	1.20	478
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.23	0.25	3.11	0.00	0.00	0.75	0.75	0.00	0.18	0.18	—	725	725	0.01	0.03	0.07	733
Vendor	0.04	0.01	0.51	0.27	< 0.005	0.01	0.13	0.14	0.01	0.04	0.04	—	455	455	0.03	0.07	0.03	477
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.08	0.91	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	204	204	< 0.005	0.01	0.32	207
Vendor	0.01	< 0.005	0.14	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	126	126	0.01	0.02	0.14	133
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.17	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	33.8	33.8	< 0.005	< 0.005	0.05	34.3
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	20.9	20.9	< 0.005	< 0.005	0.02	22.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	0.76	7.12	9.94	0.01	0.32	—	0.32	0.29	—	0.29	—	1,511	1,511	0.06	0.01	—	1,516
Paving	1.21	1.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.39	0.54	< 0.005	0.02	—	0.02	0.02	—	0.02	—	82.8	82.8	< 0.005	< 0.005	—	83.1
Paving	0.07	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	1.08	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	207	207	0.01	0.01	0.71	210
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.6	10.6	< 0.005	< 0.005	0.02	10.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.75	1.75	< 0.005	< 0.005	< 0.005	1.77
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Architectural Coating (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.16	1.14	1.51	< 0.005	0.03	—	0.03	0.03	—	0.03	—	178	178	0.01	< 0.005	—	179

Architectural	66.8	66.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.11	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17.1	17.1	< 0.005	< 0.005	—	17.1
Architectural Coatings	6.40	6.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.83	2.83	< 0.005	< 0.005	—	2.84
Architectural Coatings	1.17	1.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.82	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	158	158	0.01	0.01	0.54	160
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	14.1	14.1	< 0.005	< 0.005	0.02	14.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.33	2.33	< 0.005	< 0.005	< 0.005	2.36
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	4.53	4.15	3.39	31.8	0.08	0.05	6.58	6.63	0.05	1.67	1.72	—	7,799	7,799	0.39	0.37	26.5	7,944
Fast Food Restaurant w/o Drive Thru	28.7	27.1	15.6	136	0.28	0.20	23.7	23.9	0.19	6.02	6.21	—	28,854	28,854	1.98	1.60	95.3	29,475

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	33.3	31.2	19.0	168	0.36	0.26	30.3	30.5	0.24	7.69	7.93	—	36,652	36,652	2.36	1.96	122	37,419
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	4.23	3.85	3.63	27.0	0.07	0.05	6.58	6.63	0.05	1.67	1.72	—	7,315	7,315	0.40	0.38	0.69	7,438
Fast Food Restaurant w/o Drive Thru	26.7	25.0	16.7	123	0.26	0.20	23.7	23.9	0.19	6.02	6.21	—	27,119	27,119	2.11	1.65	2.47	27,667
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	30.9	28.8	20.3	150	0.33	0.26	30.3	30.5	0.24	7.69	7.93	—	34,434	34,434	2.52	2.03	3.16	35,105
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.75	0.68	0.66	5.01	0.01	0.01	1.18	1.19	0.01	0.30	0.31	—	1,201	1,201	0.07	0.06	1.86	1,223
Fast Food Restaurant w/o Drive Thru	3.42	3.20	2.18	16.3	0.03	0.03	3.06	3.09	0.02	0.78	0.80	—	3,210	3,210	0.25	0.19	4.82	3,279
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Total	4.17	3.88	2.84	21.4	0.05	0.04	4.24	4.27	0.03	1.08	1.11	—	4,410	4,410	0.31	0.26	6.68	4,501

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	1,047	1,047	0.10	0.01	—	1,053
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	399	399	0.04	< 0.005	—	401
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	47.1	47.1	< 0.005	< 0.005	—	47.3
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,493	1,493	0.14	0.02	—	1,501
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	1,047	1,047	0.10	0.01	—	1,053
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	399	399	0.04	< 0.005	—	401

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	47.1	47.1	< 0.005	< 0.005	—	47.3
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,493	1,493	0.14	0.02	—	1,501
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	173	173	0.02	< 0.005	—	174
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	66.1	66.1	0.01	< 0.005	—	66.5
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	7.79	7.79	< 0.005	< 0.005	—	7.84
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	247	247	0.02	< 0.005	—	249

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.13	0.07	1.15	0.49	0.01	0.09	—	0.09	0.09	—	0.09	—	1,454	1,454	0.13	< 0.005	—	1,458

Fast Food Restaurant w/o Drive Thru	0.04	0.02	0.37	0.31	< 0.005	0.03	—	0.03	0.03	—	0.03	—	439	439	0.04	< 0.005	—	441
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.17	0.09	1.51	0.80	0.01	0.12	—	0.12	0.12	—	0.12	—	1,894	1,894	0.17	< 0.005	—	1,899
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.13	0.07	1.15	0.49	0.01	0.09	—	0.09	0.09	—	0.09	—	1,454	1,454	0.13	< 0.005	—	1,458
Fast Food Restaurant w/o Drive Thru	0.04	0.02	0.37	0.31	< 0.005	0.03	—	0.03	0.03	—	0.03	—	439	439	0.04	< 0.005	—	441
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.17	0.09	1.51	0.80	0.01	0.12	—	0.12	0.12	—	0.12	—	1,894	1,894	0.17	< 0.005	—	1,899
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.02	0.01	0.21	0.09	< 0.005	0.02	—	0.02	0.02	—	0.02	—	241	241	0.02	< 0.005	—	241
Fast Food Restaurant w/o Drive Thru	0.01	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	72.8	72.8	0.01	< 0.005	—	73.0

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.03	0.02	0.28	0.15	< 0.005	0.02	—	0.02	0.02	—	0.02	—	313	313	0.03	< 0.005	—	314

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.28	0.14	2.41	1.02	0.02	0.19	—	0.19	0.19	—	0.19	0.00	3,053	3,053	0.06	0.01	—	3,056
Consumer Products	7.71	7.71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.64	0.64	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.86	0.81	0.08	8.74	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	24.1	24.1	< 0.005	< 0.005	—	24.2
Total	9.49	9.30	2.49	9.77	0.02	0.20	—	0.20	0.20	—	0.20	0.00	3,077	3,077	0.06	0.01	—	3,080
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.28	0.14	2.41	1.02	0.02	0.19	—	0.19	0.19	—	0.19	0.00	3,053	3,053	0.06	0.01	—	3,056

Consumer Product	7.71	7.71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.64	0.64	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	8.63	8.49	2.41	1.02	0.02	0.19	—	0.19	0.19	—	0.19	0.00	3,053	3,053	0.06	0.01	—	3,056
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	34.6	34.6	< 0.005	< 0.005	—	34.7
Consumer Products	1.41	1.41	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.12	0.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.11	0.10	0.01	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.74	2.74	< 0.005	< 0.005	—	2.75
Total	1.63	1.63	0.04	1.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	37.4	37.4	< 0.005	< 0.005	—	37.4

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	11.6	68.8	80.4	1.19	0.03	—	119
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	6.98	23.5	30.5	0.72	0.02	—	53.6
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	18.6	92.4	111	1.91	0.05	—	173
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	11.6	68.8	80.4	1.19	0.03	—	119
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	6.98	23.5	30.5	0.72	0.02	—	53.6
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	18.6	92.4	111	1.91	0.05	—	173
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	1.92	11.4	13.3	0.20	< 0.005	—	19.7

Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	1.16	3.89	5.05	0.12	< 0.005	—	8.87
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	3.07	15.3	18.4	0.32	0.01	—	28.6

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	75.5	0.00	75.5	7.55	0.00	—	264
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	74.5	0.00	74.5	7.45	0.00	—	261
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	150	0.00	150	15.0	0.00	—	525

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	75.5	0.00	75.5	7.55	0.00	—	264
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	74.5	0.00	74.5	7.45	0.00	—	261
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	150	0.00	150	15.0	0.00	—	525
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	12.5	0.00	12.5	1.25	0.00	—	43.8
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	12.3	0.00	12.3	1.23	0.00	—	43.2
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	24.8	0.00	24.8	2.48	0.00	—	86.9

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.22	2.22
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.73	6.73
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.95	8.95
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.22	2.22
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.73	6.73
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.95	8.95
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.37	0.37
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.11	1.11
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.48	1.48

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	2/3/2025	2/14/2025	5.00	10.0	10
Grading	Grading	2/17/2025	3/28/2025	5.00	30.0	30
Building Construction	Building Construction	3/31/2025	5/22/2026	5.00	300	300
Paving	Paving	4/27/2026	5/22/2026	5.00	20.0	20
Architectural Coating	Architectural Coating	4/6/2026	5/22/2026	5.00	35.0	20

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Crawler Tractors	Diesel	Average	2.00	8.00	87.0	0.43
Building Construction	Cranes	Diesel	Average	1.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38

Architectural Coating	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	1.00	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	2.00	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	57.2	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	15.0	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	11.4	18.5	LDA,LDT1,LDT2

Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	702,055	234,018	18,000	6,000	24,097

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	35.0	0.00	—
Grading	—	—	120	0.00	—
Paving	0.00	0.00	0.00	0.00	10.8

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt

Single Family Housing	1.60	0%
Fast Food Restaurant w/o Drive Thru	0.00	0%
Parking Lot	1.30	100%
Other Asphalt Surfaces	7.92	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	349	0.03	< 0.005
2026	0.00	346	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Single Family Housing	1,115	1,121	1,003	401,474	9,228	9,276	8,304	3,322,493
Fast Food Restaurant w/o Drive Thru	5,154	7,963	5,720	2,057,161	21,635	33,426	24,013	8,635,656
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)

Single Family Housing	—
Wood Fireplaces	0
Gas Fireplaces	145
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
702055.35	234,018	18,000	6,000	24,097

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Single Family Housing	1,103,395	346	0.0330	0.0040	4,537,009
Fast Food Restaurant w/o Drive Thru	420,800	346	0.0330	0.0040	1,371,250
Parking Lot	49,606	346	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	346	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Single Family Housing	6,043,770	5,925,069
Fast Food Restaurant w/o Drive Thru	3,642,405	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Single Family Housing	140	—
Fast Food Restaurant w/o Drive Thru	138	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	User Defined	750	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

Fast Food Restaurant w/o Drive Thru	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Fast Food Restaurant w/o Drive Thru	Other commercial A/C and heat pumps	User Defined	750	1.80	4.00	4.00	18.0
Fast Food Restaurant w/o Drive Thru	Walk-in refrigerators and freezers	User Defined	150	< 0.005	7.50	7.50	20.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	29.6	annual days of extreme heat
Extreme Precipitation	5.60	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	26.5	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	4	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	4	1	1	4
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	100
AQ-PM	50.2
AQ-DPM	42.1
Drinking Water	60.8
Lead Risk Housing	12.3
Pesticides	56.7
Toxic Releases	40.5
Traffic	65.0
Effect Indicators	—
CleanUp Sites	5.64
Groundwater	23.4
Haz Waste Facilities/Generators	67.6
Impaired Water Bodies	0.00
Solid Waste	53.4
Sensitive Population	—
Asthma	34.7

Cardio-vascular	64.5
Low Birth Weights	32.8
Socioeconomic Factor Indicators	—
Education	24.1
Housing	5.22
Linguistic	9.46
Poverty	28.2
Unemployment	2.73

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	81.1625818
Employed	61.79905043
Median HI	67.11151033
Education	—
Bachelor's or higher	53.18875914
High school enrollment	27.56319774
Preschool enrollment	39.20184781
Transportation	—
Auto Access	78.96830489
Active commuting	15.48825869
Social	—
2-parent households	89.67021686
Voting	77.31297318
Neighborhood	—
Alcohol availability	78.15988708

Park access	44.78378032
Retail density	21.90427307
Supermarket access	40.03592968
Tree canopy	11.90812267
Housing	—
Homeownership	94.17425895
Housing habitability	91.86449378
Low-inc homeowner severe housing cost burden	68.86949827
Low-inc renter severe housing cost burden	84.9095342
Uncrowded housing	50.73784165
Health Outcomes	—
Insured adults	48.58206082
Arthritis	2.0
Asthma ER Admissions	59.0
High Blood Pressure	4.9
Cancer (excluding skin)	2.7
Asthma	49.0
Coronary Heart Disease	3.1
Chronic Obstructive Pulmonary Disease	11.3
Diagnosed Diabetes	38.1
Life Expectancy at Birth	33.0
Cognitively Disabled	68.5
Physically Disabled	54.0
Heart Attack ER Admissions	26.9
Mental Health Not Good	64.8
Chronic Kidney Disease	20.1
Obesity	59.2
Pedestrian Injuries	57.9

Physical Health Not Good	45.1
Stroke	17.3
Health Risk Behaviors	—
Binge Drinking	68.3
Current Smoker	57.8
No Leisure Time for Physical Activity	68.2
Climate Change Exposures	—
Wildfire Risk	10.9
SLR Inundation Area	0.0
Children	71.1
Elderly	33.9
English Speaking	98.1
Foreign-born	9.8
Outdoor Workers	50.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	79.1
Traffic Density	55.9
Traffic Access	23.0
Other Indices	—
Hardship	45.5
Other Decision Support	—
2016 Voting	80.3

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	30.0
Healthy Places Index Score for Project Location (b)	67.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No

Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Based on site plan. Total Project site is 17.46 acres.
Construction: Construction Phases	Building Construction, Paving, and Architectural Coating overlap to present a conservative analysis
Construction: Off-Road Equipment	T/L/B replaced with Crawler Tractor to accurately calculate disturbance for Site Preparation and Grading phases. Standard 8 hours work days.
Construction: Trips and VMT	Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Site Preparation, Grading, and Building Construction
Construction: Architectural Coatings	SCAQMD Rule 1113
Operations: Vehicle Data	Trip characteristics taken from Trip Gen. Internal capture and Pass-by trip reduction included.
Operations: Hearths	SCAQMD Rule 445 no wood burning devices. Wood burning devices added to gas devices.
Operations: Architectural Coatings	SCAQMD Rule 1113
Operations: Refrigerants	As of 1 January 2022, new commercial refrigeration equipment may not use refrigerants with a GWP of 150 or greater. Further, R-404A (the CalEEMod default) is unacceptable for new supermarket and cold storage systems as of 1 January 2019 and 2023, respectively. Beginning 1 January 2025, all new air conditioning equipment may not use refrigerants with a GWP of 750 or greater.

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APPENDIX 4.2:

EMFAC2021

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: Sub-Area
Region: San Bernardino (SC)
Calendar Year: 2025
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	CalYr	VehClass	MdlYr	Speed	Fuel	Population	VMT	Fuel_Consumption	Fuel_Consumption	Total Fuel	VMT	Total VMT	Miles per Gallon	Vehicle Class
San Bernardino (SC)	2025	HHDT	Aggregate	Aggregate	Gasoline	3.869766832	177.2217014	0.044579975	44.57997511	322298.7048	177.2217014	1975659.248	6.13	HHDT
San Bernardino (SC)	2025	HHDT	Aggregate	Aggregate	Diesel	14693.60242	1799109.244	296.221758	296221.758		1799109.244			
San Bernardino (SC)	2025	HHDT	Aggregate	Aggregate	Electricity	109.5985203	11409.19414	0	0		11409.19414			
San Bernardino (SC)	2025	HHDT	Aggregate	Aggregate	Natural Gas	2560.5176	164963.5875	26.0323668	26032.3668		164963.5875			
San Bernardino (SC)	2025	LDA	Aggregate	Aggregate	Gasoline	457374.7047	20012363.19	659.2303928	659230.3928	671181.1368	20012363.19	21858504.21	32.57	LDA
San Bernardino (SC)	2025	LDA	Aggregate	Aggregate	Diesel	986.5858319	34821.96021	0.803361461	803.3614609		34821.96021			
San Bernardino (SC)	2025	LDA	Aggregate	Aggregate	Electricity	22921.29943	1119595.112	0	0		1119595.112			
San Bernardino (SC)	2025	LDA	Aggregate	Aggregate	Plug-in Hybric	13621.71468	691723.9558	11.14738256	11147.38256		691723.9558			
San Bernardino (SC)	2025	LDT1	Aggregate	Aggregate	Gasoline	39862.49619	1386010.237	55.44488475	55444.88475	55506.30461	1386010.237	1393998.156	25.11	LDT1
San Bernardino (SC)	2025	LDT1	Aggregate	Aggregate	Diesel	9.62153332	138.8700264	0.005712258	5.712257886		138.8700264			
San Bernardino (SC)	2025	LDT1	Aggregate	Aggregate	Electricity	81.74409231	4029.090974	0	0		4029.090974			
San Bernardino (SC)	2025	LDT1	Aggregate	Aggregate	Plug-in Hybric	75.22656194	3819.958249	0.055707597	55.70759743		3819.958249			
San Bernardino (SC)	2025	LDT2	Aggregate	Aggregate	Gasoline	197589.8024	8156000.659	328.0141754	328014.1754	330196.8511	8156000.659	8333682.032	25.24	LDT2
San Bernardino (SC)	2025	LDT2	Aggregate	Aggregate	Diesel	559.2848358	24877.85405	0.732985994	732.9859937		24877.85405			
San Bernardino (SC)	2025	LDT2	Aggregate	Aggregate	Electricity	1637.444663	58171.59292	0	0		58171.59292			
San Bernardino (SC)	2025	LDT2	Aggregate	Aggregate	Plug-in Hybric	1934.989022	94631.92591	1.449689627	1449.689627		94631.92591			
San Bernardino (SC)	2025	LHDT1	Aggregate	Aggregate	Gasoline	16963.11371	633447.7463	45.45107153	45451.07153	66469.9942	633447.7463	1077884.454	16.22	LHDT1
San Bernardino (SC)	2025	LHDT1	Aggregate	Aggregate	Diesel	11403.02981	434286.2222	21.01892267	21018.92267		434286.2222			
San Bernardino (SC)	2025	LHDT1	Aggregate	Aggregate	Electricity	147.3648902	10150.48537	0	0		10150.48537			
San Bernardino (SC)	2025	LHDT2	Aggregate	Aggregate	Gasoline	2823.949841	99825.11713	8.149183621	8149.183621	18984.07565	99825.11713	289811.7154	15.27	LHDT2
San Bernardino (SC)	2025	LHDT2	Aggregate	Aggregate	Diesel	4888.887446	187525.0486	10.83489203	10834.89203		187525.0486			
San Bernardino (SC)	2025	LHDT2	Aggregate	Aggregate	Electricity	37.58571717	2461.549606	0	0		2461.549606			
San Bernardino (SC)	2025	MCY	Aggregate	Aggregate	Gasoline	20826.96994	123280.6812	2.925130919	2925.130919	2925.130919	123280.6812	123280.6812	42.15	MCY
San Bernardino (SC)	2025	MDV	Aggregate	Aggregate	Gasoline	147056.3511	5833561.643	289.7409456	289740.9456	293881.6654	5833561.643	6036663.747	20.54	MDV
San Bernardino (SC)	2025	MDV	Aggregate	Aggregate	Diesel	1906.902909	76374.47974	3.151065928	3151.065928		76374.47974			
San Bernardino (SC)	2025	MDV	Aggregate	Aggregate	Electricity	1802.834782	63969.43971	0	0		63969.43971			
San Bernardino (SC)	2025	MDV	Aggregate	Aggregate	Plug-in Hybric	1256.812117	62758.18504	0.98965379	989.6537902		62758.18504			
San Bernardino (SC)	2025	MH	Aggregate	Aggregate	Gasoline	3227.585522	28520.15334	5.836852659	5836.852659	6997.412696	28520.15334	40386.16204	5.77	MH
San Bernardino (SC)	2025	MH	Aggregate	Aggregate	Diesel	1329.243498	11866.0087	1.160560036	1160.560036		11866.0087			
San Bernardino (SC)	2025	MHDT	Aggregate	Aggregate	Gasoline	1427.423114	76828.767	14.58515666	14585.15666	88952.25214	76828.767	752323.1368	8.46	MHDT
San Bernardino (SC)	2025	MHDT	Aggregate	Aggregate	Diesel	15347.54129	658670.5437	73.22420436	73224.20436		658670.5437			
San Bernardino (SC)	2025	MHDT	Aggregate	Aggregate	Electricity	133.1585562	6928.399641	0	0		6928.399641			
San Bernardino (SC)	2025	MHDT	Aggregate	Aggregate	Natural Gas	208.419151	9895.426472	1.142891124	1142.891124		9895.426472			
San Bernardino (SC)	2025	OBUS	Aggregate	Aggregate	Gasoline	358.2884481	15030.55432	2.914537526	2914.537526	5188.582188	15030.55432	32494.86271	6.26	OBUS
San Bernardino (SC)	2025	OBUS	Aggregate	Aggregate	Diesel	215.4704252	15216.87274	2.039111404	2039.111404		15216.87274			
San Bernardino (SC)	2025	OBUS	Aggregate	Aggregate	Electricity	1.990200949	157.0570869	0	0		157.0570869			
San Bernardino (SC)	2025	OBUS	Aggregate	Aggregate	Natural Gas	34.88313202	2090.378559	0.234933258	234.9332579		2090.378559			
San Bernardino (SC)	2025	SBUS	Aggregate	Aggregate	Gasoline	300.4577721	14124.28621	1.57111818	1571.11818	4959.876607	14124.28621	31963.06277	6.44	SBUS
San Bernardino (SC)	2025	SBUS	Aggregate	Aggregate	Diesel	363.8707141	7488.892183	1.014599014	1014.599014		7488.892183			
San Bernardino (SC)	2025	SBUS	Aggregate	Aggregate	Electricity	4.690534617	132.2929048	0	0		132.2929048			
San Bernardino (SC)	2025	SBUS	Aggregate	Aggregate	Natural Gas	411.4766102	10217.59148	2.374159413	2374.159413		10217.59148			
San Bernardino (SC)	2025	UBUS	Aggregate	Aggregate	Gasoline	54.83056931	5264.458034	0.406547565	406.5475652	8275.384496	5264.458034	40204.44305	4.86	UBUS
San Bernardino (SC)	2025	UBUS	Aggregate	Aggregate	Diesel	4.529432466	447.4667714	0.043317656	43.31765633		447.4667714			
San Bernardino (SC)	2025	UBUS	Aggregate	Aggregate	Electricity	7.409987909	1124.502697	0	0		1124.502697			
San Bernardino (SC)	2025	UBUS	Aggregate	Aggregate	Natural Gas	243.8212922	33368.01555	7.825519274	7825.519274		33368.01555			

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: Sub-Area
Region: San Bernardino (SC)
Calendar Year: 2026
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	endar Y	hicle Categ	Model Year	Speed	Fuel	Population	Total VMT	Fuel_Consumption	Fuel_Consumption	Total Fuel	VMT	Total VMT	Miles per Gallon	Vehicle Class
San Bernardino (SC)	2026	HHDT	Aggregate	Aggregate	Gasoline	2.628638455	162.3041519	0.038094178	38.09417834	323816.6756	162.3041519	2020691.204	6.24	HHDT
San Bernardino (SC)	2026	HHDT	Aggregate	Aggregate	Diesel	15084.77036	1831295.475	297.3157582	297315.7582		1831295.475			
San Bernardino (SC)	2026	HHDT	Aggregate	Aggregate	Electricity	191.0683418	19973.63311	0	0		19973.63311			
San Bernardino (SC)	2026	HHDT	Aggregate	Aggregate	Natural Gas	2643.959607	169259.7919	26.4628232	26462.8232		169259.7919			
San Bernardino (SC)	2026	LDA	Aggregate	Aggregate	Gasoline	456254.7841	19874166.46	641.5351772	641535.1772	653766.4651	19874166.46	21884485.35	33.47	LDA
San Bernardino (SC)	2026	LDA	Aggregate	Aggregate	Diesel	917.7888375	31994.04388	0.730185103	730.185103		31994.04388			
San Bernardino (SC)	2026	LDA	Aggregate	Aggregate	Electricity	26082.82543	1250859.603	0	0		1250859.603			
San Bernardino (SC)	2026	LDA	Aggregate	Aggregate	Plug-in Hybric	14570.87312	727465.2451	11.50110282	11501.10282		727465.2451			
San Bernardino (SC)	2026	LDT1	Aggregate	Aggregate	Gasoline	39063.9999	1360017.769	53.36846197	53368.46197	53444.7712	1360017.769	1370565.663	25.64	LDT1
San Bernardino (SC)	2026	LDT1	Aggregate	Aggregate	Diesel	7.517030094	107.4585455	0.004383307	4.383306977		107.4585455			
San Bernardino (SC)	2026	LDT1	Aggregate	Aggregate	Electricity	110.0966514	5426.246616	0	0		5426.246616			
San Bernardino (SC)	2026	LDT1	Aggregate	Aggregate	Plug-in Hybric	100.2350808	5014.189058	0.071925931	71.92593104		5014.189058			
San Bernardino (SC)	2026	LDT2	Aggregate	Aggregate	Gasoline	202612.9731	8343534.623	327.3242951	327324.2951	329715.7191	8343534.623	8550437.791	25.93	LDT2
San Bernardino (SC)	2026	LDT2	Aggregate	Aggregate	Diesel	596.9953934	26308.25909	0.759292797	759.2927973		26308.25909			
San Bernardino (SC)	2026	LDT2	Aggregate	Aggregate	Electricity	2064.91584	72169.29693	0	0		72169.29693			
San Bernardino (SC)	2026	LDT2	Aggregate	Aggregate	Plug-in Hybric	2256.649793	108425.6117	1.63213121	1632.13121		108425.6117			
San Bernardino (SC)	2026	LHDT1	Aggregate	Aggregate	Gasoline	16791.83447	629601.5161	44.16498346	44164.98346	64979.5748	629601.5161	1079997.968	16.62	LHDT1
San Bernardino (SC)	2026	LHDT1	Aggregate	Aggregate	Diesel	11393.65177	431830.7159	20.81459135	20814.59135		431830.7159			
San Bernardino (SC)	2026	LHDT1	Aggregate	Aggregate	Electricity	282.094588	18565.73546	0	0		18565.73546			
San Bernardino (SC)	2026	LHDT2	Aggregate	Aggregate	Gasoline	2763.224246	97215.03215	7.803597069	7803.597069	18588.78398	97215.03215	289578.9062	15.58	LHDT2
San Bernardino (SC)	2026	LHDT2	Aggregate	Aggregate	Diesel	4937.57725	187863.321	10.78518691	10785.18691		187863.321			
San Bernardino (SC)	2026	LHDT2	Aggregate	Aggregate	Electricity	71.81390811	4500.553077	0	0		4500.553077			
San Bernardino (SC)	2026	MCY	Aggregate	Aggregate	Gasoline	20884.25022	122975.6545	2.907527557	2907.527557	2907.527557	122975.6545	122975.6545	42.30	MCY
San Bernardino (SC)	2026	MDV	Aggregate	Aggregate	Gasoline	147189.0217	5833278.241	282.9367666	282936.7666	287097.9101	5833278.241	6059751.016	21.11	MDV
San Bernardino (SC)	2026	MDV	Aggregate	Aggregate	Diesel	1900.727125	75215.18536	3.046386471	3046.386471		75215.18536			
San Bernardino (SC)	2026	MDV	Aggregate	Aggregate	Electricity	2262.574859	78934.40652	0	0		78934.40652			
San Bernardino (SC)	2026	MDV	Aggregate	Aggregate	Plug-in Hybric	1469.974449	72323.18263	1.114757016	1114.757016		72323.18263			
San Bernardino (SC)	2026	MH	Aggregate	Aggregate	Gasoline	3064.468567	27038.8087	5.530646832	5530.646832	6673.58648	27038.8087	38715.77147	5.80	MH
San Bernardino (SC)	2026	MH	Aggregate	Aggregate	Diesel	1320.026239	11676.96277	1.142939648	1142.939648		11676.96277			
San Bernardino (SC)	2026	MHDT	Aggregate	Aggregate	Gasoline	1396.239062	75343.20605	14.13811827	14138.11827	88998.08289	75343.20605	764236.6027	8.59	MHDT
San Bernardino (SC)	2026	MHDT	Aggregate	Aggregate	Diesel	15710.20603	665955.6798	73.67630673	73676.30673		665955.6798			
San Bernardino (SC)	2026	MHDT	Aggregate	Aggregate	Electricity	245.8765864	12699.29672	0	0		12699.29672			
San Bernardino (SC)	2026	MHDT	Aggregate	Aggregate	Natural Gas	220.2089686	10238.42022	1.183657888	1183.657888		10238.42022			
San Bernardino (SC)	2026	OBUS	Aggregate	Aggregate	Gasoline	348.5150855	14345.28666	2.754710661	2754.710661	5020.348152	14345.28666	32033.51538	6.38	OBUS
San Bernardino (SC)	2026	OBUS	Aggregate	Aggregate	Diesel	220.037016	15248.80528	2.024298125	2024.298125		15248.80528			
San Bernardino (SC)	2026	OBUS	Aggregate	Aggregate	Electricity	3.340971814	259.0449895	0	0		259.0449895			
San Bernardino (SC)	2026	OBUS	Aggregate	Aggregate	Natural Gas	36.78806859	2180.378447	0.241339366	241.3393658		2180.378447			
San Bernardino (SC)	2026	SBUS	Aggregate	Aggregate	Gasoline	302.8964194	14222.26132	1.577820897	1577.820897	4964.605895	14222.26132	32090.47199	6.46	SBUS
San Bernardino (SC)	2026	SBUS	Aggregate	Aggregate	Diesel	353.6259778	7228.312611	0.976501833	976.5018327		7228.312611			
San Bernardino (SC)	2026	SBUS	Aggregate	Aggregate	Electricity	8.074559241	228.2385136	0	0		228.2385136			
San Bernardino (SC)	2026	SBUS	Aggregate	Aggregate	Natural Gas	423.8773853	10411.65954	2.410283165	2410.283165		10411.65954			
San Bernardino (SC)	2026	UBUS	Aggregate	Aggregate	Gasoline	54.94101785	5275.062551	0.407858087	407.8580873	7993.083023	5275.062551	40285.42929	5.04	UBUS
San Bernardino (SC)	2026	UBUS	Aggregate	Aggregate	Diesel	4.529432466	447.4667714	0.043317653	43.31765334		447.4667714			
San Bernardino (SC)	2026	UBUS	Aggregate	Aggregate	Electricity	11.78176765	1911.719241	0	0		1911.719241			
San Bernardino (SC)	2026	UBUS	Aggregate	Aggregate	Natural Gas	239.9647068	32651.18073	7.541907283	7541.907283		32651.18073			

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RESIDENCES AT OAK GLEN CREEK SPECIFIC PLAN DEVELOPMENT

APPENDIX F – PRELIMINARY HYDROLOGY REPORT

PRELIMINARY HYDROLOGY REPORT

PREPARE FOR:

Oak Glen Plaza, LLC
9255 Sunset Blvd. Suite 630
Los Angels, CA 90069
(xxx) xxx-xxxx

FOR THE PROJECT:

TTM No. XXXXXX
Yucaipa 18 Acres Project
APN 0303-051-044, 64
Yucaipa, CA
County of San Bernardino

PREPARED BY:

BLUE ENGINEERING AND CONSULTING, INC
RANCHO CUCAMONGA, CA 91729
(909) 248-6557

PREPARED UNDER THE SUPERVISION OF:



ANGEL CESAR, RCE 87222

Submitted: May 2023, Revised: August 2023

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Appendix F: Basin Routing Analysis

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Appendix J: FEMA FIRM Panels & The City Master Drainage Information

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Section

1

INTRODUCTION

1.1 PROJECT LOCATION

The proposed residential development for the Tentative Tract Map (TTM) No. TBD, is located within the City of Yucaipa, The County of San Bernardino, the State of California. It is bound by the existing Wilson Creek Channel to north, the Bryan Street to the east and Oak Glen Road to the south.

1.2 PURPOSE OF STUDY

The purpose of this report is to provide engineering calculations in support of TTM No. TBD development. The study is to hydrologically model the project's onsite tributary area watersheds and to determine the pre-development & post-development condition peak runoffs in order to analyze stormwater mitigation of the increased runoff due to the development. The report is to demonstrate that the proposed project site can be designed to provide adequate flood protection without adversely impacting the existing off-site drainage system and adjacent properties.

The scope of the analysis includes:

1) Analyze the existing and proposed condition Hydrology by using the Rational Method & Unit Hydrograph Method.

2) Provide basin routing analysis to support the storm drain hydraulics for the 10-year and 100-year storm events, while insuring 10 & 100-year flow mitigation. Make sure the proposed Basin has enough capacity for detention and the infiltration of the LID volume requirement.

3) Provide basin routing calculations to support the projects Hydromodification design criteria for the 2-Year, 24-hour storm as required for HCOC analysis of the project WQMP report.

4) Perform hydraulic (Hec-Ras) analysis of the Wilson Creek Channel. Evaluate the 100-year water surface and boundary of the channel in existing & proposed conditions. Demonstrate that the proposed project finish floor elevations of the site have enough free board (2 feet) above the 100-year water surface elevation. Analysis of the FEMA 100-year floodplain boundary and water surface elevation and make sure the proposed slope adjacent to the channel is protected.

1.3 PROJECT DESCRIPTION

The project is comprised of approximately 18- acres and is located approximately 4 miles east of the intersection of I-10, and Oak Glen Street in the City of Yucaipa, San Bernardino County, California. The project site is currently undeveloped with an estimated elevation difference of roughly 65 feet flowing from northeast to southwest. The existing slope of the site area is approximately less than 5%. The surface conditions are barren with very dense brushes. The subject site does not have existing infrastructure, including sewer, water, and storm drainages. The storm water currently drains to Wilson Creek at the southwest corner of the development site, the intersection of Oak Glen Road and Wilson Creek Channel.

Appendix J of this report comprises the City of Yucaipa's Drainage Master Plan which shows the off-site flow (Q100=4,711 cfs) is at the Wilson Creek and Bryant Street. It flows through the Channel southwest direction to Oak Glen Road. On west of Bryant Street, a series interim basin of SBFCD controls runoff flooding to downstream, Bryant Street. Since the project is located west of Bryant Street, there is not any other off-site flow run to the subject site.

The proposed project is a 150-units single family development site. It will create 456,070 sqft impervious surface, mainly comprised of asphalt, concrete with the house building rooftops, streets, sidewalk, drive aisles, driveways, gust parking areas. The project will include one detention/infiltration basin and recreation open space areas. The proposed grading and drainage design will maintain the site drainage patten, consistent with existing conditions. The runoff will be increased after the development. A detention/infiltration basin is proposed to mitigate the increased in runoff and used for LID devices as the storm water quality requirement of the development. The mitigated runoff will outlet into Wilson Creek, the same location as the existing conditions.

1.4 FLOODPLAIN MAPPING

The National Flood Insurance Act (1968) established the National Flood Insurance Program, which is based on the minimal requirements for floodplain management and is designed to minimize flood damage within Special Flood Hazard Areas. The Federal Emergency Management Agency (FEMA) is the agency which administrates the National Flood Insurance Program. Special Flood Hazard Areas (SFHA) are defined as areas that have a 1% chance of flooding within a given year. This is also referred to as the 100-year flood. Flood Insurance Rate Maps (FIRMs) were developed to identify areas of flood hazards within a community. According to the Flood Insurance Rate Map (FIRM) catalog, there are FIRMs produced by FEMA for the project site:

MAP Number: 060270 8745H (PANEL 8745 of 9400)
MAP Revised & Effective: September 11, 2023.

Appendix J contains the FIRM panels which identify the flood zones designated for the project area. The project site is in a **Zone X** area which means the subject areas of 0.2% annual chance flood; areas of 1% annual chance floodplain with average depth less than 1 foot or with drainage areas less than1 square mile; and areas protected by levees from 1% annual chance flood.

A Hec-Ras modeling of the Wilson Creek Channel is performed in Appendix G. The channel geometry is using the current survey topo, the 100-year flow rate of the channel is using the City of Yucaipa Mater Drainage Plan (GIS Website) information. The model resulted in a 100-year water surface elevation at outlet of the project (cross-sections) on Wilson Creek which will be the site grading design ultra- critical level. All the site finished floor elevation will be 2 feet above the100-year FEMA water surface elevation. The water surface boundary and the velocity of the cross-section's information provided the slope of the site protection requirements.

1.4 DESIGN CRITERIA & METHODOLOGY

The following are design criteria for this project, based on the San Bernardino County Hydrology Manual. The project is designed for the 100-year flood protection.

As previously mentioned, the project design criteria are to determine the required capacity for the onsite storm drain system and ensure the proposed basin design is adequate to contain the 100-year storm event. To do this, hydrologic calculations for the project were performed using CIVILCADD/ CIVILDESIGN Engineering Software, Version 7.0. 'Peak Flow' and 'Time of Concentration' values for each storm event were obtained using the 'San Bernardino County Rational Hydrology Program' option within the software.

In comparing the existing and proposed condition hydrology maps in Appendix A, it's evident that in the existing condition, flow rates are lower than the proposed condition. Therefore, in order to design the detention basin to mitigate this increase in flow, the 'Unit Hydrograph Analysis' was performed in order to get flow as a function of time. This was accomplished using the same CIVILCADD/CIVILDESIGN Engineering Software previously mentioned. The unit hydrograph was used as an input to perform the basin routing analysis, which was analyzed using CIVILCADD/CIVILDESIGN Engineering Software using the Basin Routing program within the software. The basin routing calculations uses the relationship between the basin geometry and the outlet configuration. The outlet is modeled to include surface infiltration, which is a function of contour elevation. The basin summary table shows the outlet flow rate and basin stage relative to the basin volume. The basin outlet flow is controlled by orifices with a standing CMP pipe, and the weir flow on top of the basin is used for emergency overflow. The Flow Master computer program is used for sizing the outlet flow capacity. This approach best models the relationship, as the calculated outflow plus the infiltration flow rate from basin bottom will account for the total outlet flow at each stage. Once obtained, this is tabulated and inserted into the basin routing model.

Section

2

HYDROLOGIC DATA AND MODEL DEVELOPMENT

2.1 PRE-DEVELOPMENT MODEL

The project site is an irregular drainage area that drains from northeast to southwest direction with an approximate elevation difference of approximately 65 feet. Refer to the Pre-Development Exhibit in **Appendix A** for locations of the drainage area, and peak flows at the drainage area. The San Bernardino County Rational Method Hydrologic calculations (as described in the San Bernardino Hydrology Manual) were performed using the CivilDesign Hydrology / Hydraulics computer program. The existing condition watershed boundaries were delineated using surveyed topography. The soil type in this area is Type "A". Soil type "A" was used for calculating the rational method and hydrology analysis. Refer to **Appendix B** for the NRCS Custom Soil Resource**.** Results of the pre-development hydrologic analysis are summarized in this section **Table 1 below**.

TABLE 1 - PRE-DEVELOPMENT CONDITION PEAK FLOW (Rational Method)

Sub-Drainage Area	Area (acres)	Q10 (cfs)	Q100 (cfs)	TC (min)
A1	2.21	1.13	3.44	26.44
A2	1.13	0.33	1.46	28.37
A3	10.01	14.59	29.45	14.06
A4	3.5	3.66	8.33	15.19
A5	0.6	0.17	0.76	15.36
TOTAL:	17.45	19.88	43.44	

2.2 POST-DEVELOPMENT MODEL

As perversely described, the site will be developed into a single-family development with a total of 152 single houses. The project site will generally maintain the existing drainage patterns in the post-development condition of flowing from west to east. Refer to the Post-Development Hydrology Exhibit in **Appendix A** for locations of the drainage area, and peak flows at the drainage area. The soil type in this area is Type "A". Soil type "A" was used for calculating the rational method hydrology analysis. Results of the post-development hydrologic analysis are summarized in this section **Table 2 below**.

TABLE 2 - POST-DEVELOPMENT CONDITION PEAK FLOW (Rational Method)

Sub-Drainage Area	Area (acres)	Q10 (cfs)	Q100 (cfs)	TC (min)
A1	0.93	2.27	3.95	7.89
A2	3.04	5.73	10.54	9.99
A3	4.64	8.44	15.69	10.63
A4	1.5	2.47	4.71	10.89
A5	1.6	2.35	4.25	11.43
A6	0.38	0.99	1.72	7.12
A7	1.5	3.57	6.23	8.16
A8	0.54	0.85	1.71	10.66
A9	0.87	2.14	2.64	11.08
A10	0.39	0.42	0.93	15.89
A11	2.06	2.21	4.86	16.05
TOTAL:	17.45	31.44	57.23	

TABLE 3 - PEAK FLOW COMPARISON

Drainage Area (acre)	Pre-Dev Q_{10} (cfs)	Post-Dev Q_{10} (cfs)	Difference Q_{10} (cfs)	Pre-Dev Q_{100} (cfs)	Post-Dev Q_{100} (cfs)	Difference Q_{100} (cfs)
17.45	19.88	31.44	11.56	43.44	57.23	13.79

2.3 UNIT HYDROGRAPH MODEL

The rational method analysis provided Q_{100} on the post-development condition that is higher than the pre-development condition for the drainage area, therefore, unit hydrographs are required since detention is required onsite for the Q100 storm event. The 100-Year, 24-Hour storm event to determine the amount of runoff volume which is needed to size the detention/infiltration basin. A summary of the results for the unit hydrographs are shown on **Table 4 below**. The unit hydrograph figures and calculations are shown on **Appendix G** for reference.

TABLE 4 – UNIT HYDROGRAPH COMPARISON

				Pre-Development Condition		Post-Development Condition		Mitigated Condition:	
Storm Frequency	Duration (hour)	Total Drainage Area (ares)	Drainage Management Area (ares)	Peak Flow (cfs)	Runoff Volume (ac-ft)	Peak Flow (cfs)	Runoff Volume (ac-ft)	Peak Flow (cfs)	Runoff Volume (ac-ft)
10	24	17.45	2.06 (A1)	2.43	0.29	2.43	0.29	2.43	0.29
			15.00 (A2)	21.53	2.12	27.71	3.4	18.81	3.36
			0.39 (A3)	0.46	0.05	0.46	0.05	0.46	0.05
			Total:	**24.42**	**2.46**	**30.6**	**3.74**	**21.7**	**3.7**
100	24	17.45	2.06 (A1)	5.05	0.95	5.05	0.95	5.05	0.95
			15.00 (A2)	43.21	6.9	49.17	6.42	36.37	6.39
			0.39 (A3)	0.96	0.18	0.96	0.18	0.96	0.18
			Total:	**49.22**	**8.03**	**55.18**	**7.55**	**42.38**	**7.52**

Table 4 above shows an increase in peak flowrate for the project. As a result, the detention/infiltration basin will be included to detain the difference in runoff volume.

2.4 BASIN ANALYSIS

As shown in section **2.3 Unit Hydrograph Model Table 4**, the greatest difference in runoff generated is in the 10yr, and 100-yr 24-hr storm event which must be detained. The proposed detention/infiltration basin of the development capacity is shown in the basin stage summary table on **Appendix F.** The basin routing calculations for 10-year, 100-year ,24-hours storm is shown on **Appendix F** for reference.

TABLE 5 – BASIN ROUTING COMPARISON

Drainage Area (ac)	Storm Frequency	Duration (hours)	Pre-Peak Flow (cfs)	Post-Peak Flow (cfs)	Mitigated Peak Flow (cfs)	Decrease (cfs)	Percent Change
17.45	10	24	24.42	30.61	21.7	-2.72	11.14%
	100	24	49.72	55.18	42.38	-7.34	14.76%

Table 5 above shows an increase in peak flowrate of the proposed development is mitigated after routing through the basin.

2.5 ONSITE STORM DRAIN SYSTEM

The onsite runoff will be directed to curb gutters from there collected into the proposed catch basins then via storm drainpipes to the proposed detention/infiltration basin. The main storm drainpipe will come from the east to west direction, and a pre-treatment device will be designed into the storm drain before into the basin for the first treatment purpose. The detention basin/infiltration basin will be employed to accommodate the increase in

runoff, as well as a LID device, satisfying WQMP requirement. The excess flow will leave the basin to the Wilson Creek Channel as existing conditions.

Section

3

CONCLUSIONS

This drainage report has evaluated the potential effects of runoff for the proposed project. In addition, this report has addressed the methodology used to analyze the existing and proposed conditions, which was based on the San Bernardino County Hydrology Manual. This section provides a summary discussion that evaluates the potential effects of the proposed project.

- The proposed project will not significantly alter drainage patterns on the site.
- The Rational Method results illustrate that there is an increase in peak flowrate for project site and increase runoff mitigation is proposed in the form of detention/infiltration basin.
- The proposed onsite storm drain mainlines will be privately owned and maintained by the Property Owners Association.
- Proposed storm drain alignment, inlets, and discharge points are shown on the Post-development Hydrology Exhibit.

In conclusion, this report demonstrates that the proposed development is designed to not increase runoff and poses no flood risk to downstream neighboring properties and the Wilson Creek Channel. The owner will privately maintain the on-site drainage system, consisting of catch basin, curb drains and detention/infiltration basin. The proposed storm drains and detention/infiltration basin system designed to convey the flow rates indicated herein and will comply with the flood protection and storm water quality requirements of the City of Yucaipa and the County of San Bernardino.

Section

4

REFERENCES

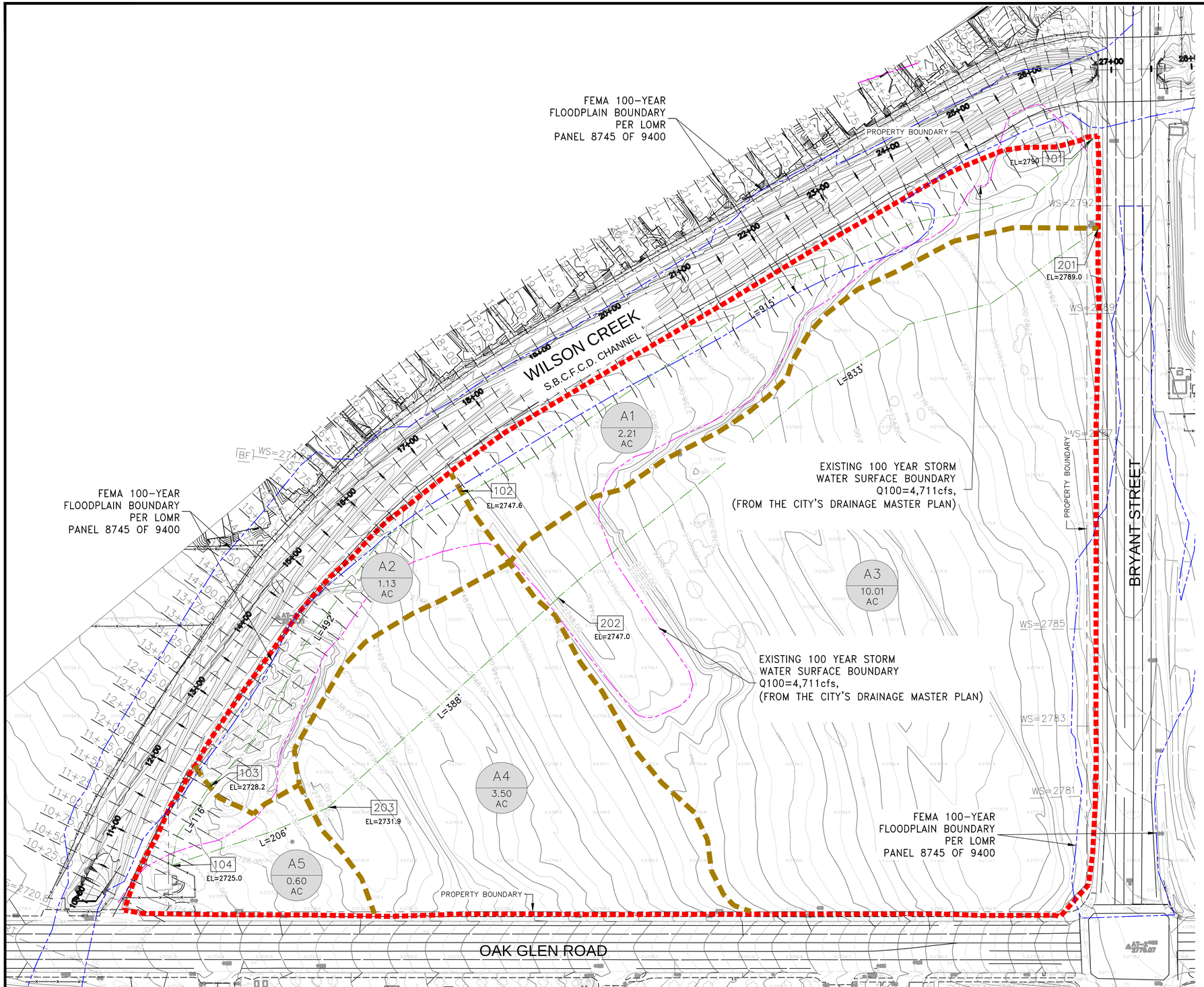
San Bernardino County Flood Control and Water Conservation District. *Hydrology Manual*. September 2011.

Appendix

A

HYDROLOGY STUDY MAP EXHIBITS

- Pre-Development Condition Hydrology Exhibit
- Post-Development Condition Hydrology Exhibit



LEGEND

- A1 / 2.20 AC — DRAINAGE AREA / DESIGNATION AREA IN ACRES
- 102 — NODE DESIGNATION
- MAJOR WATERSHED BOUNDARY
- SUB-AREA BOUNDARY
- FEMA 100-YEAR FLOODPLAIN BOUNDARY
- EXISTING 100-YEAR WATER SURFACE BOUNDARY
- FLOW PATH
- 25+50.00 — HEC-RAS MODEL SECTION & STATION
- L=100' — LENGTH OF FLOW PATH
- Q100 — CALCULATED 100-YEAR STORM RUNOFF
- FLOW DIRECTION

HYDROLOGY INFORMATION

SITE AREA:	17.45 AC
SOIL GROUP:	A (PER WEB SOIL SURVEY)
IMPERVIOUS:	PER COVER CONDITION 0% (PRE-DEVELOPMENT CONDITION)
RAINFALL RATE:	1.49 IN/HR.(100-YEAR) 0.92 IN/HR.(10-YEAR)
AMC NUMBER:	(SOIL GROUP C) 2 (For 10-YEAR STORM) 3 (For 100-YEAR STORM)
FREQUENCY:	100 & 10 YEAR
METHOD:	SAN BERNARDINO COUNTY HYDROLOGY MANUAL

Pre-Development Condition Rational Method Hydrology Summary Table:

Sub-Drainage Area	Area (acres)	Q10 (cfs)	Q100 (cfs)	TC (min)
A1	2.21	1.13	3.44	26.44
A2	1.13	0.33	1.46	28.37
A3	10.01	14.59	29.45	14.06
A4	3.5	3.66	8.33	15.19
A5	0.6	0.17	0.76	15.36
TOTAL:	17.45	19.88	43.44	

SCALE
60 0 30 60 120
(FEET)
1 INCH = 60 FT.

PLAN PREPARED BY:
BLUE ENGINEERING & CONSULTING, INC
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SEAL
REGISTERED PROFESSIONAL ENGINEER
ANGEL CEBAR
No. 87222
CIVIL
STATE OF CALIFORNIA

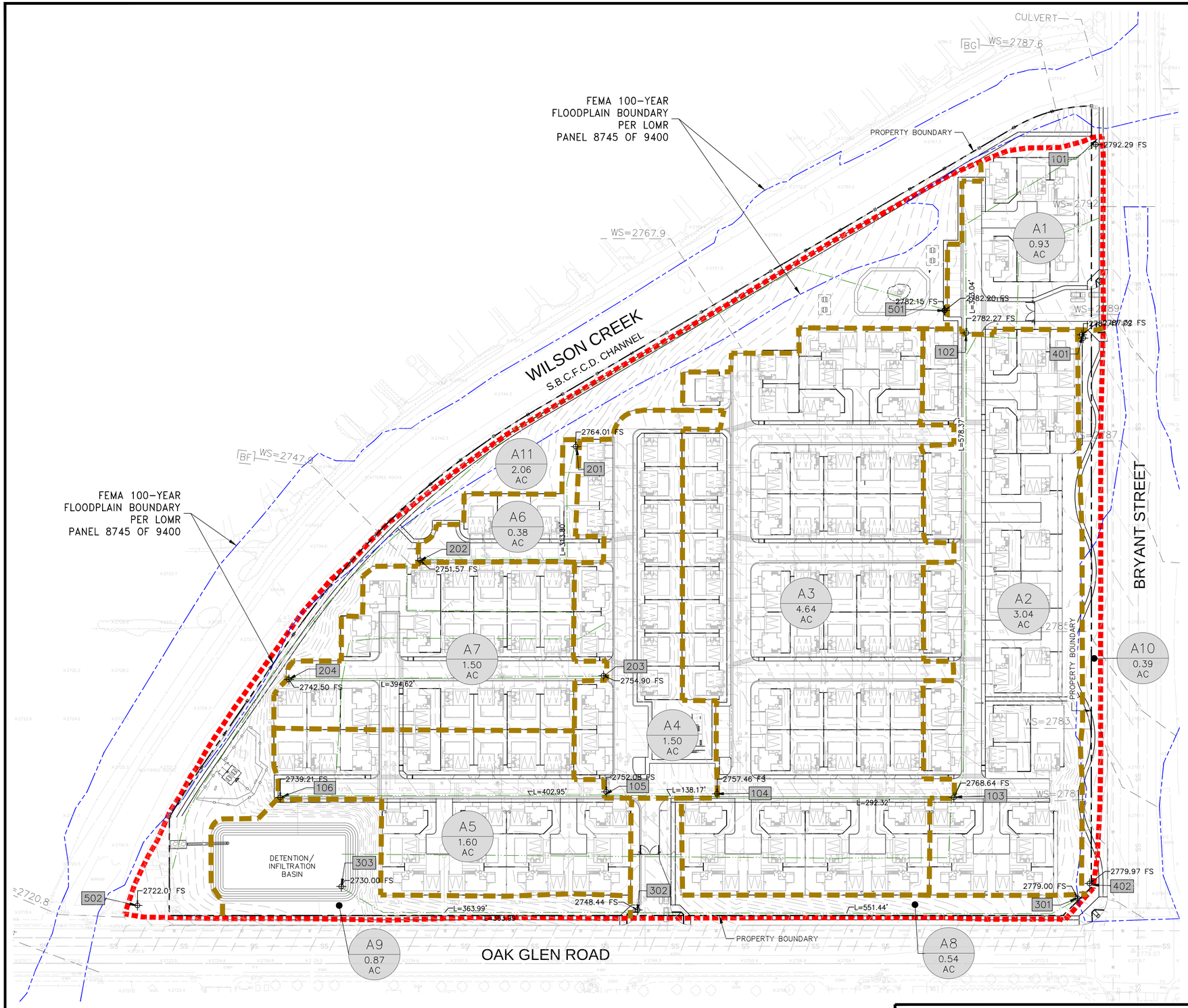
DESIGN ENGINEER DATE

DATE

PRE-DEVELOPMENT CONDITION

HYDROLOGY STUDY EXHIBIT
FOR
TTM NO. 20649

SHEET 1 OF 2



LEGEND

- A1 / 2.20 AC — DRAINAGE AREA; DESIGNATION AREA IN ACRES
- 102 — NODE DESIGNATION
- MAJOR WATERSHED BOUNDARY
- SUB-AREA BOUNDARY
- FEMA 100-YEAR FLOODPLAIN BOUNDARY
- FLOW PATH
- 25+50.00 — HEC-RAS MODEL SECTION & STATION
- L=100' — LENGTH OF FLOW PATH
- Q100 — CALCULATED 100-YEAR STORM RUNOFF
- FLOW DIRECTION

HYDROLOGY INFORMATION

SITE AREA:	17.45 AC
SOIL GROUP:	A (PER WEB SOIL SURVEY)
IMPERVIOUS:	PER COVER CONDITION 0% (PRE-DEVELOPMENT CONDITION) 60% (POST-DEVELOPMENT CONDITION)
RAINFALL RATE:	1.49 IN/HR.(100-YEAR) 0.92 IN/HR.(10-YEAR)
AMC NUMBER:	(SOIL GROUP C) 2 (For 10-YEAR STORM) 3 (For 100-YEAR STORM)
FREQUENCY:	100 & 10 YEAR
METHOD:	SAN BERNARDINO COUNTY HYDROLOGY MANUAL

Post-Development Condition Rational Method Hydrology Summary Table:

Sub-Drainage Area	Area (acres)	Q10 (cfs)	Q100 (cfs)	TC (min)
A1	0.93	2.27	3.95	7.89
A2	3.04	5.73	10.54	9.99
A3	4.64	8.44	15.69	10.63
A4	1.5	2.47	4.71	10.89
A5	1.6	2.35	4.25	11.43
A6	0.38	0.99	1.72	7.12
A7	1.5	3.57	6.23	8.16
A8	0.54	0.85	1.71	10.66
A9	0.87	2.14	2.64	11.08
A10	0.39	0.42	0.93	15.89
A11	2.06	2.21	4.86	16.05
TOTAL:	17.45	31.44	57.23	

SCALE
60 0 30 60 120
(FEET)
1 INCH = 60 FT.

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DESIGN ENGINEER DATE

DATE

POST-DEVELOPMENT CONDITION

HYDROLOGY STUDY EXHIBIT
FOR
TTM NO. 20649

SHEET 2 OF 2

Appendix

B

PRE-DEVELOPMENT CONDITION HYDROLOGY RATIONAL METHOD CALCULATION

- 10-Year, 1-Hour Storm
- 100-Year, 1-Hour Storm

San Bernardino County Rational Hydrology Program

(Hydrology Manual Date - August 1986)

CIVILCADD/CIVILDESIGN Engineering Software, (c) 1989-2019 Version 9.1
Rational Hydrology Study Date: 04/10/23

Pre-Development Condition
Rational Method Hydrology Calculation
Yucaipa 18-Development Project, APN 0303-051-044, -64
10-Year, 1-Hour Storm

Program License Serial Number 6481

********* Hydrology Study Control Information **********

Rational hydrology study storm event year is 10.0
Computed rainfall intensity:
Storm year = 10.00 1 hour rainfall = 0.920 (In.)
Slope used for rainfall intensity curve b = 0.6000
Soil antecedent moisture condition (AMC) = 2

++

Process from Point/Station 101.000 to Point/Station 102.000
**** INITIAL AREA EVALUATION ****

UNDEVELOPED (dense cover) subarea
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2) = 38.00
Pervious ratio(Ap) = 1.0000 Max loss rate(Fm)= 0.934(In/Hr)
Initial subarea data:
Initial area flow distance = 915.000(Ft.)
Top (of initial area) elevation = 2790.000(Ft.)
Bottom (of initial area) elevation = 2747.600(Ft.)
Difference in elevation = 42.400(Ft.)
Slope = 0.04634 s(%)= 4.63
TC = k(0.935)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 26.436 min.
Rainfall intensity = 1.504(In/Hr) for a 10.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.341
Subarea runoff = 1.134(CFS)
Total initial stream area = 2.210(Ac.)
Pervious area fraction = 1.000
Initial area Fm value = 0.934(In/Hr)

++

Process from Point/Station 102.000 to Point/Station 103.000
**** IRREGULAR CHANNEL FLOW TRAVEL TIME ****

Estimated mean flow rate at midpoint of channel = 0.000(CFS)
Depth of flow = 0.201(Ft.), Average velocity = 3.179(Ft/s)
******* Irregular Channel Data **********

Information entered for subchannel number 1 :

Point number	'X' coordinate	'Y' coordinate
1	0.00	1.45
2	15.00	0.00
3	28.00	1.25

Manning's 'N' friction factor = 0.020

```
----------------------------------------------------------------
Sub-Channel flow  =      1.332(CFS)
  '     '        flow top width =      4.169(Ft.)
  '     '    velocity=    3.179(Ft/s)
  '     '        area =      0.419(Sq.Ft)
  '     '        Froude number =     1.767

Upstream point elevation =  2747.600(Ft.)
Downstream point elevation =  2728.200(Ft.)
Flow length =   492.000(Ft.)
Travel time  =    2.58 min.
Time of concentration =   29.01 min.
Depth of flow =   0.201(Ft.)
Average velocity =   3.179(Ft/s)
Total irregular channel flow =     1.332(CFS)
Irregular channel normal depth above invert elev. =   0.201(Ft.)
Average velocity of channel(s) =   3.179(Ft/s)
 Adding area flow to channel
UNDEVELOPED (dense cover) subarea
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 38.00
Pervious ratio(Ap) = 1.0000     Max loss rate(Fm)=     0.934(In/Hr)
Rainfall intensity =      1.423(In/Hr) for a    10.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.309
Subarea runoff =      0.334(CFS) for    1.130(Ac.)
Total runoff =      1.468(CFS)
Effective area this stream =        3.34(Ac.)
Total Study Area (Main Stream No. 1) =        3.34(Ac.)
Area averaged Fm value =    0.934(In/Hr)
Depth of flow =   0.208(Ft.), Average velocity =   3.257(Ft/s)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      103.000 to Point/Station      104.000
**** IRREGULAR CHANNEL FLOW TRAVEL TIME ****
________________________________________________________________________
Estimated mean flow rate at midpoint of channel =      0.000(CFS)
Depth of flow =   0.133(Ft.), Average velocity =   2.024(Ft/s)
        ******* Irregular Channel Data ***********
----------------------------------------------------------------
Information entered for subchannel number 1 :
Point number      'X' coordinate     'Y' coordinate
        1              0.00              2.00
        2             15.00              0.00
        3             33.00              0.22
Manning's 'N' friction factor =   0.020
----------------------------------------------------------------
Sub-Channel flow  =      1.599(CFS)
  '     '        flow top width =     11.879(Ft.)
  '     '    velocity=    2.024(Ft/s)
  '     '        area =      0.790(Sq.Ft)
  '     '        Froude number =     1.383

Upstream point elevation =  2728.200(Ft.)
Downstream point elevation =  2725.000(Ft.)
Flow length =   116.000(Ft.)
Travel time  =    0.95 min.
Time of concentration =   29.97 min.
Depth of flow =   0.133(Ft.)
Average velocity =   2.024(Ft/s)
Total irregular channel flow =     1.599(CFS)
Irregular channel normal depth above invert elev. =   0.133(Ft.)
Average velocity of channel(s) =   2.024(Ft/s)
 Adding area flow to channel
UNDEVELOPED (dense cover) subarea
```

```
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 38.00
Pervious ratio(Ap) = 1.0000     Max loss rate(Fm)=     0.934(In/Hr)
Rainfall intensity =      1.395(In/Hr) for a    10.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.297
Subarea runoff =      0.167(CFS) for    0.600(Ac.)
Total runoff =      1.634(CFS)
Effective area this stream =        3.94(Ac.)
Total Study Area (Main Stream No. 1) =        3.94(Ac.)
Area averaged Fm value =    0.934(In/Hr)
Depth of flow =   0.134(Ft.), Average velocity =   2.035(Ft/s)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      104.000 to Point/Station      104.000
**** CONFLUENCE OF MAIN STREAMS ****
________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =      3.940(Ac.)
Runoff from this stream =      1.634(CFS)
Time of concentration =   29.97 min.
Rainfall intensity =     1.395(In/Hr)
Area averaged loss rate (Fm) =    0.9345(In/Hr)
Area averaged Pervious ratio (Ap) = 1.0000
Summary of stream data:

Stream Flow rate    Area    TC     Fm       Rainfall Intensity
 No.    (CFS)   (Ac.)       (min) (In/Hr)     (In/Hr)


1      0.00    13.510     15.64    0.578      2.061
2      1.63     3.940     29.97    0.934      1.395
Qmax(1) =
           1.000 *    1.000 *     0.000) +
           2.446 *    0.522 *     1.634) + =       2.085
Qmax(2) =
           0.551 *    1.000 *     0.000) +
           1.000 *    1.000 *     1.634) + =       1.634

Total of 2 main streams to confluence:
Flow rates before confluence point:
       1.000       2.634
Maximum flow rates at confluence using above data:
        2.085        1.634
Area of streams before confluence:
       13.510        3.940
Effective area values after confluence:
       15.566       17.450


Results of confluence:
Total flow rate =      2.085(CFS)
Time of concentration =    15.638 min.
Effective stream area after confluence  =     15.566(Ac.)
Study area average Pervious fraction(Ap) =  1.000
Study area average soil loss rate(Fm) =    0.659(In/Hr)
Study area total =      17.45(Ac.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      201.000 to Point/Station      202.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
UNDEVELOPED (poor cover) subarea
```

```
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 67.00
Pervious ratio(Ap) = 1.0000     Max loss rate(Fm)=     0.578(In/Hr)
Initial subarea data:
Initial area flow distance =   833.000(Ft.)
Top (of initial area) elevation =  2789.000(Ft.)
Bottom (of initial area) elevation =  2747.000(Ft.)
Difference in elevation =    42.000(Ft.)
Slope =    0.05042  s(%)=       5.04
TC = k(0.525)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   14.057 min.
Rainfall intensity =      2.198(In/Hr) for a    10.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.663
Subarea runoff =     14.588(CFS)
Total initial stream area =       10.010(Ac.)
Pervious area fraction = 1.000
Initial area Fm value =    0.578(In/Hr)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      202.000 to Point/Station      203.000
**** IRREGULAR CHANNEL FLOW TRAVEL TIME ****
________________________________________________________________________
Estimated mean flow rate at midpoint of channel =      0.000(CFS)
Depth of flow =   0.371(Ft.), Average velocity =   4.768(Ft/s)
        ******* Irregular Channel Data ***********
------------------------------------------------------------------
Information entered for subchannel number 1 :
Point number      'X' coordinate     'Y' coordinate
        1              0.00              1.12
        2             22.00              0.00
        3             50.00              0.92
Manning's 'N' friction factor =   0.020
------------------------------------------------------------------
Sub-Channel flow  =     16.466(CFS)
  '     '        flow top width =     18.598(Ft.)
  '     '    velocity=    4.768(Ft/s)
  '     '        area =      3.453(Sq.Ft)
  '     '        Froude number =     1.950

Upstream point elevation =  2747.000(Ft.)
Downstream point elevation =  2731.900(Ft.)
Flow length =   388.000(Ft.)
Travel time  =    1.36 min.
Time of concentration =   15.41 min.
Depth of flow =   0.371(Ft.)
Average velocity =   4.768(Ft/s)
Total irregular channel flow =    16.466(CFS)
Irregular channel normal depth above invert elev. =   0.371(Ft.)
Average velocity of channel(s) =   4.768(Ft/s)
 Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 67.00
Pervious ratio(Ap) = 1.0000     Max loss rate(Fm)=     0.578(In/Hr)
Rainfall intensity =      2.079(In/Hr) for a    10.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.650
Subarea runoff =      3.664(CFS) for    3.500(Ac.)
Total runoff =     18.252(CFS)
Effective area this stream =       13.51(Ac.)
Total Study Area (Main Stream No. 1) =       17.45(Ac.)
Area averaged Fm value =    0.578(In/Hr)
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Depth of flow =   0.386(Ft.), Average velocity =   4.892(Ft/s)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      203.000 to Point/Station      104.000
**** IRREGULAR CHANNEL FLOW TRAVEL TIME ****
________________________________________________________________________
Depth of flow = 11931.969(Ft.), Average velocity =  15.297(Ft/s)
!!Warning: Water is above left or right bank elevations
        ******* Irregular Channel Data ***********
------------------------------------------------------------------
Information entered for subchannel number 1 :
Point number      'X' coordinate     'Y' coordinate
        1              0.00              1.00
        2              0.00              0.00
Manning's 'N' friction factor =   0.020
------------------------------------------------------------------
Sub-Channel flow  =     18.252(CFS)
  '     '        flow top width =      0.000(Ft.)
  '     '    velocity=   15.297(Ft/s)
  '     '        area =      1.193(Sq.Ft)
  '     '        Froude number =     0.025

Upstream point elevation =  2731.900(Ft.)
Downstream point elevation =  2725.000(Ft.)
Flow length =   206.000(Ft.)
Travel time  =    0.22 min.
Time of concentration =   15.64 min.
Depth of flow = 11931.969(Ft.)
Average velocity =  15.297(Ft/s)
Total irregular channel flow =    18.252(CFS)
Irregular channel normal depth above invert elev. = 11931.969(Ft.)
Average velocity of channel(s) =  15.297(Ft/s)
!!Warning: Water is above left or right bank elevations


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      104.000 to Point/Station      104.000
**** CONFLUENCE OF MAIN STREAMS ****
________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =     13.510(Ac.)
Runoff from this stream =     18.252(CFS)
Time of concentration =   15.64 min.
Rainfall intensity =     2.061(In/Hr)
Area averaged loss rate (Fm) =    0.5783(In/Hr)
Area averaged Pervious ratio (Ap) = 1.0000
Program is now starting with Main Stream No. 2


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      104.000 to Point/Station      104.000
**** CONFLUENCE OF MAIN STREAMS ****
________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =     13.510(Ac.)
Runoff from this stream =      0.000(CFS)
Time of concentration =   15.64 min.
Rainfall intensity =     2.061(In/Hr)
Area averaged loss rate (Fm) =    0.5783(In/Hr)
Area averaged Pervious ratio (Ap) = 1.0000
Summary of stream data:

Stream Flow rate    Area    TC     Fm       Rainfall Intensity
 No.    (CFS)   (Ac.)       (min) (In/Hr)     (In/Hr)
```

```
1     18.25    13.510     15.64    0.578      2.061
Qmax(1) =
           1.000 *    1.000 *    18.252) + =      18.252

Total of 1 main streams to confluence:
Flow rates before confluence point:
      19.252
Maximum flow rates at confluence using above data:
       18.252
Area of streams before confluence:
       13.510
Effective area values after confluence:
       13.510


Results of confluence:
Total flow rate =     18.252(CFS)
Time of concentration =    15.638 min.
Effective stream area after confluence  =     13.510(Ac.)
Study area average Pervious fraction(Ap) =  1.000
Study area average soil loss rate(Fm) =    0.578(In/Hr)
Study area total =      13.51(Ac.)
End of computations, Total Study Area =           17.45 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.
Note: These figures do not consider reduced effective area
effects caused by confluences in the rational equation.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged SCS curve number =  60.5
```

San Bernardino County Rational Hydrology Program

(Hydrology Manual Date - August 1986)

CIVILCADD/CIVILDESIGN Engineering Software, (c) 1989-2019 Version 9.1
Rational Hydrology Study Date: 04/10/23

Pre-Development Condition
Rational Method Hydrology Calculation
Yucaipa 18-Development Project, APN 0303-051-044, -64
100-Year, 1-Hour Storm

Program License Serial Number 6481

********* Hydrology Study Control Information **********

Rational hydrology study storm event year is 100.0
10 Year storm 1 hour rainfall = 0.920(In.)
100 Year storm 1 hour rainfall = 1.490(In.)
Computed rainfall intensity:
Storm year = 100.00 1 hour rainfall = 1.490 (In.)
Slope used for rainfall intensity curve b = 0.6000
Soil antecedent moisture condition (AMC) = 3

++
Process from Point/Station 101.000 to Point/Station 102.000
**** INITIAL AREA EVALUATION ****

UNDEVELOPED (dense cover) subarea
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2) = 38.00
Adjusted SCS curve number for AMC 3 = 58.00
Pervious ratio(Ap) = 1.0000 Max loss rate(Fm)= 0.707(In/Hr)
Initial subarea data:
Initial area flow distance = 915.000(Ft.)
Top (of initial area) elevation = 2790.000(Ft.)
Bottom (of initial area) elevation = 2747.600(Ft.)
Difference in elevation = 42.400(Ft.)
Slope = 0.04634 s(%)= 4.63
TC = k(0.935)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 26.436 min.
Rainfall intensity = 2.436(In/Hr) for a 100.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.639
Subarea runoff = 3.440(CFS)
Total initial stream area = 2.210(Ac.)
Pervious area fraction = 1.000
Initial area Fm value = 0.707(In/Hr)

++
Process from Point/Station 102.000 to Point/Station 103.000
**** IRREGULAR CHANNEL FLOW TRAVEL TIME ****

Estimated mean flow rate at midpoint of channel = 0.000(CFS)
Depth of flow = 0.309(Ft.), Average velocity = 4.238(Ft/s)
******* Irregular Channel Data **********

Information entered for subchannel number 1 :

Point number	'X' coordinate	'Y' coordinate
1	0.00	1.45

```
        2             15.00              0.00
        3             28.00              1.25
Manning's 'N' friction factor =   0.020
-----------------------------------------------------------------
Sub-Channel flow  =      4.205(CFS)
  '     '        flow top width =      6.417(Ft.)
  '     '    velocity=    4.238(Ft/s)
  '     '        area =      0.992(Sq.Ft)
  '     '        Froude number =     1.899

Upstream point elevation =  2747.600(Ft.)
Downstream point elevation =  2728.200(Ft.)
Flow length =   492.000(Ft.)
Travel time  =    1.93 min.
Time of concentration =   28.37 min.
Depth of flow =   0.309(Ft.)
Average velocity =   4.238(Ft/s)
Total irregular channel flow =     4.205(CFS)
Irregular channel normal depth above invert elev. =   0.309(Ft.)
Average velocity of channel(s) =   4.238(Ft/s)
 Adding area flow to channel
UNDEVELOPED (dense cover) subarea
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 38.00
Adjusted SCS curve number for AMC 3 = 58.00
Pervious ratio(Ap) = 1.0000     Max loss rate(Fm)=     0.707(In/Hr)
Rainfall intensity =      2.335(In/Hr) for a   100.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.627
Subarea runoff =      1.455(CFS) for    1.130(Ac.)
Total runoff =      4.894(CFS)
Effective area this stream =        3.34(Ac.)
Total Study Area (Main Stream No. 1) =        3.34(Ac.)
Area averaged Fm value =    0.707(In/Hr)
Depth of flow =   0.327(Ft.), Average velocity =   4.402(Ft/s)


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Process from Point/Station      103.000 to Point/Station      104.000
**** IRREGULAR CHANNEL FLOW TRAVEL TIME ****
________________________________________________________________________
Estimated mean flow rate at midpoint of channel =      0.000(CFS)
Depth of flow =   0.208(Ft.), Average velocity =   2.732(Ft/s)
        ******* Irregular Channel Data ***********
-----------------------------------------------------------------
Information entered for subchannel number 1 :
Point number      'X' coordinate     'Y' coordinate
        1              0.00              2.00
        2             15.00              0.00
        3             33.00              0.22
Manning's 'N' friction factor =   0.020
-----------------------------------------------------------------
Sub-Channel flow  =      5.304(CFS)
  '     '        flow top width =     18.622(Ft.)
  '     '    velocity=    2.732(Ft/s)
  '     '        area =      1.941(Sq.Ft)
  '     '        Froude number =     1.491

Upstream point elevation =  2728.200(Ft.)
Downstream point elevation =  2725.000(Ft.)
Flow length =   116.000(Ft.)
Travel time  =    0.71 min.
Time of concentration =   29.08 min.
Depth of flow =   0.208(Ft.)
Average velocity =   2.732(Ft/s)
Total irregular channel flow =     5.304(CFS)
```

```
Irregular channel normal depth above invert elev. =   0.208(Ft.)
Average velocity of channel(s) =   2.732(Ft/s)
 Adding area flow to channel
UNDEVELOPED (dense cover) subarea
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 38.00
Adjusted SCS curve number for AMC 3 = 58.00
Pervious ratio(Ap) = 1.0000     Max loss rate(Fm)=     0.707(In/Hr)
Rainfall intensity =      2.301(In/Hr) for a   100.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.623
Subarea runoff =      0.758(CFS) for    0.600(Ac.)
Total runoff =      5.652(CFS)
Effective area this stream =        3.94(Ac.)
Total Study Area (Main Stream No. 1) =        3.94(Ac.)
Area averaged Fm value =    0.707(In/Hr)
Depth of flow =   0.214(Ft.), Average velocity =   2.776(Ft/s)


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Process from Point/Station      104.000 to Point/Station      104.000
**** CONFLUENCE OF MAIN STREAMS ****
________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =      3.940(Ac.)
Runoff from this stream =      5.652(CFS)
Time of concentration =   29.08 min.
Rainfall intensity =     2.301(In/Hr)
Area averaged loss rate (Fm) =    0.7072(In/Hr)
Area averaged Pervious ratio (Ap) = 1.0000
Program is now starting with Main Stream No. 2


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      201.000 to Point/Station      202.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
UNDEVELOPED (poor cover) subarea
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 67.00
Adjusted SCS curve number for AMC 3 = 84.60
Pervious ratio(Ap) = 1.0000     Max loss rate(Fm)=     0.290(In/Hr)
Initial subarea data:
Initial area flow distance =   833.000(Ft.)
Top (of initial area) elevation =  2789.000(Ft.)
Bottom (of initial area) elevation =  2747.000(Ft.)
Difference in elevation =    42.000(Ft.)
Slope =    0.05042  s(%)=       5.04
TC = k(0.525)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   14.057 min.
Rainfall intensity =      3.559(In/Hr) for a   100.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.827
Subarea runoff =     29.451(CFS)
Total initial stream area =       10.010(Ac.)
Pervious area fraction = 1.000
Initial area Fm value =    0.290(In/Hr)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      202.000 to Point/Station      203.000
**** IRREGULAR CHANNEL FLOW TRAVEL TIME ****
________________________________________________________________________
```

```
Estimated mean flow rate at midpoint of channel =      0.000(CFS)
Depth of flow =   0.486(Ft.), Average velocity =   5.701(Ft/s)
        ******* Irregular Channel Data ***********
----------------------------------------------------------------
Information entered for subchannel number 1 :
Point number      'X' coordinate     'Y' coordinate
        1              0.00              1.12
        2             22.00              0.00
        3             50.00              0.92
Manning's 'N' friction factor =   0.020
----------------------------------------------------------------
Sub-Channel flow  =     33.647(CFS)
  '     '        flow top width =     24.313(Ft.)
  '     '    velocity=    5.701(Ft/s)
  '     '        area =      5.902(Sq.Ft)
  '     '        Froude number =     2.039

Upstream point elevation =  2747.000(Ft.)
Downstream point elevation =  2731.900(Ft.)
Flow length =   388.000(Ft.)
Travel time  =    1.13 min.
Time of concentration =   15.19 min.
Depth of flow =   0.486(Ft.)
Average velocity =   5.701(Ft/s)
Total irregular channel flow =    33.647(CFS)
Irregular channel normal depth above invert elev. =   0.486(Ft.)
Average velocity of channel(s) =   5.701(Ft/s)
 Adding area flow to channel
UNDEVELOPED (poor cover) subarea
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 67.00
Adjusted SCS curve number for AMC 3 = 84.60
Pervious ratio(Ap) = 1.0000     Max loss rate(Fm)=     0.290(In/Hr)
Rainfall intensity =      3.397(In/Hr) for a   100.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.823
Subarea runoff =      8.329(CFS) for    3.500(Ac.)
Total runoff =     37.780(CFS)
Effective area this stream =       13.51(Ac.)
Total Study Area (Main Stream No. 2) =       17.45(Ac.)
Area averaged Fm value =    0.290(In/Hr)
Depth of flow =   0.507(Ft.), Average velocity =   5.868(Ft/s)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      203.000 to Point/Station      104.000
**** IRREGULAR CHANNEL FLOW TRAVEL TIME ****
________________________________________________________________________
Depth of flow = 18462.125(Ft.), Average velocity =  20.464(Ft/s)
!!Warning: Water is above left or right bank elevations
        ******* Irregular Channel Data ***********
----------------------------------------------------------------
Information entered for subchannel number 1 :
Point number      'X' coordinate     'Y' coordinate
        1              0.00              1.00
        2              0.00              0.00
Manning's 'N' friction factor =   0.020
----------------------------------------------------------------
Sub-Channel flow  =     37.780(CFS)
  '     '        flow top width =      0.000(Ft.)
  '     '    velocity=   20.464(Ft/s)
  '     '        area =      1.846(Sq.Ft)
  '     '        Froude number =     0.027

Upstream point elevation =  2731.900(Ft.)
Downstream point elevation =  2725.000(Ft.)
```

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Flow length =   206.000(Ft.)
Travel time  =    0.17 min.
Time of concentration =   15.36 min.
Depth of flow = 18462.125(Ft.)
Average velocity =  20.464(Ft/s)
Total irregular channel flow =    37.780(CFS)
Irregular channel normal depth above invert elev. = 18462.125(Ft.)
Average velocity of channel(s) =  20.464(Ft/s)
!!Warning: Water is above left or right bank elevations


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      104.000 to Point/Station      104.000
**** CONFLUENCE OF MAIN STREAMS ****
________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 1
Stream flow area =     13.510(Ac.)
Runoff from this stream =     37.780(CFS)
Time of concentration =   15.36 min.
Rainfall intensity =     3.375(In/Hr)
Area averaged loss rate (Fm) =    0.2900(In/Hr)
Area averaged Pervious ratio (Ap) = 1.0000
Program is now starting with Main Stream No. 2


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      104.000 to Point/Station      104.000
**** CONFLUENCE OF MAIN STREAMS ****
________________________________________________________________________
The following data inside Main Stream is listed:
In Main Stream number: 2
Stream flow area =     13.510(Ac.)
Runoff from this stream =      0.000(CFS)
Time of concentration =   15.36 min.
Rainfall intensity =     3.375(In/Hr)
Area averaged loss rate (Fm) =    0.2900(In/Hr)
Area averaged Pervious ratio (Ap) = 1.0000
Summary of stream data:

Stream Flow rate    Area    TC     Fm       Rainfall Intensity
 No.    (CFS)   (Ac.)       (min) (In/Hr)     (In/Hr)


1     37.78    13.510     15.36    0.290      3.375
2      0.00    13.510     15.36    0.290      3.375
Qmax(1) =
           1.000 *    1.000 *    37.780) +
           1.000 *    1.000 *     0.000) + =      37.780
Qmax(2) =
           1.000 *    1.000 *    37.780) +
           1.000 *    1.000 *     0.000) + =      37.780

Total of 2 main streams to confluence:
Flow rates before confluence point:
      38.780       1.000
Maximum flow rates at confluence using above data:
       37.780       37.780
Area of streams before confluence:
       13.510       13.510
Effective area values after confluence:
       27.020       27.020


Results of confluence:
Total flow rate =     37.780(CFS)
Time of concentration =    15.359 min.
Effective stream area after confluence  =     27.020(Ac.)
Study area average Pervious fraction(Ap) =  1.000
```

Study area average soil loss rate(Fm) = 0.290(In/Hr)
Study area total = 27.02(Ac.)
End of computations, Total Study Area = 17.45 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.
Note: These figures do not consider reduced effective area
effects caused by confluences in the rational equation.

Area averaged pervious area fraction(Ap) = 1.000
Area averaged SCS curve number = 60.5

Appendix

C

POST-DEVELOPMENT CONDITION HYDROLOGY RATIONAL METHOD CALCULATION

- 10-Year, 1-Hour Storm
- 100-Year, 1-Hour Storm

San Bernardino County Rational Hydrology Program

(Hydrology Manual Date - August 1986)

CIVILCADD/CIVILDESIGN Engineering Software, (c) 1989-2019 Version 9.1
Rational Hydrology Study Date: 08/02/23

Post-Development Condition
Rational Method Hydrology Calculation
Yucaipa 18-Development Project, APN 0303-051-044, -64
10-Year, 1-Hour Storm

Program License Serial Number 6481

********* Hydrology Study Control Information **********

Rational hydrology study storm event year is 10.0
Computed rainfall intensity:
Storm year = 10.00 1 hour rainfall = 0.918 (In.)
Slope used for rainfall intensity curve b = 0.6000
Soil antecedent moisture condition (AMC) = 2

++

Process from Point/Station 101.000 to Point/Station 102.000
**** INITIAL AREA EVALUATION ****

RESIDENTIAL(8 - 10 dwl/acre)
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2) = 32.00
Pervious ratio(Ap) = 0.4000 Max loss rate(Fm)= 0.391(In/Hr)
Initial subarea data:
Initial area flow distance = 323.040(Ft.)
Top (of initial area) elevation = 2790.340(Ft.)
Bottom (of initial area) elevation = 2782.270(Ft.)
Difference in elevation = 8.070(Ft.)
Slope = 0.02498 s(%)= 2.50
TC = k(0.374)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 7.890 min.
Rainfall intensity = 3.101(In/Hr) for a 10.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.786
Subarea runoff = 2.268(CFS)
Total initial stream area = 0.930(Ac.)
Pervious area fraction = 0.400
Initial area Fm value = 0.391(In/Hr)

++

Process from Point/Station 102.000 to Point/Station 103.000
**** STREET FLOW TRAVEL TIME + SUBAREA FLOW ADDITION ****

Top of street segment elevation = 2782.270(Ft.)
End of street segment elevation = 2768.640(Ft.)
Length of street segment = 578.370(Ft.)
Height of curb above gutter flowline = 6.0(In.)
Width of half street (curb to crown) = 13.000(Ft.)
Distance from crown to crossfall grade break = 10.000(Ft.)
Slope from gutter to grade break (v/hz) = 0.020
Slope from grade break to crown (v/hz) = 0.020
Street flow is on [1] side(s) of the street
Distance from curb to property line = 0.000(Ft.)
Slope from curb to property line (v/hz) = 0.000
Gutter width = 1.000(Ft.)
Gutter hike from flowline = 2.000(In.)
Manning's N in gutter = 0.0140

```
 Manning's N from gutter to grade break =  0.0140
 Manning's N from grade break to crown =  0.0140
Estimated mean flow rate at midpoint of street =      5.161(CFS)
Depth of flow =   0.372(Ft.), Average velocity =   3.855(Ft/s)
Streetflow hydraulics at midpoint of street travel:
Halfstreet flow width =  11.250(Ft.)
Flow velocity =   3.85(Ft/s)
Travel time =    2.50 min.     TC =   10.39  min.
 Adding area flow to street
RESIDENTIAL(8 - 10 dwl/acre)
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 32.00
Pervious ratio(Ap) = 0.4000     Max loss rate(Fm)=     0.391(In/Hr)
Rainfall intensity =      2.629(In/Hr) for a    10.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.766
Subarea runoff =      5.727(CFS) for    3.040(Ac.)
Total runoff =      7.995(CFS)
Effective area this stream =        3.97(Ac.)
Total Study Area (Main Stream No. 1) =        3.97(Ac.)
Area averaged Fm value =    0.391(In/Hr)
Street flow at end of street =      7.995(CFS)
Half street flow at end of street =      7.995(CFS)
Depth of flow =   0.413(Ft.), Average velocity =   4.336(Ft/s)
Note:  depth of flow exceeds top of street crown.
Flow width (from curb towards crown)=  13.000(Ft.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      103.000 to Point/Station      104.000
**** STREET FLOW TRAVEL TIME + SUBAREA FLOW ADDITION ****
______________________________________________________________________________
Top of street segment elevation =  2768.640(Ft.)
End of street segment elevation =  2757.460(Ft.)
Length of street segment  =   292.320(Ft.)
Height of curb above gutter flowline  =    6.0(In.)
Width of half street (curb to crown)  =  13.000(Ft.)
Distance from crown to crossfall grade break  =  10.000(Ft.)
Slope from gutter to grade break (v/hz) =   0.020
Slope from grade break to crown (v/hz)  =   0.020
Street flow is on [1] side(s) of the street
Distance from curb to property line  =   0.000(Ft.)
Slope from curb to property line (v/hz) =   0.000
Gutter width =   1.000(Ft.)
Gutter hike from flowline =  2.000(In.)
 Manning's N in gutter =  0.0140
 Manning's N from gutter to grade break =  0.0140
 Manning's N from grade break to crown =  0.0140
Estimated mean flow rate at midpoint of street =     12.243(CFS)
Depth of flow =   0.429(Ft.), Average velocity =   5.943(Ft/s)
Note:  depth of flow exceeds top of street crown.
Streetflow hydraulics at midpoint of street travel:
Halfstreet flow width =  13.000(Ft.)
Flow velocity =   5.94(Ft/s)
Travel time =    0.82 min.     TC =   11.21  min.
 Adding area flow to street
RESIDENTIAL(8 - 10 dwl/acre)
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 32.00
Pervious ratio(Ap) = 0.4000     Max loss rate(Fm)=     0.391(In/Hr)
Rainfall intensity =      2.512(In/Hr) for a    10.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.760
Subarea runoff =      8.437(CFS) for    4.640(Ac.)
Total runoff =     16.432(CFS)
Effective area this stream =        8.61(Ac.)
Total Study Area (Main Stream No. 1) =        8.61(Ac.)
```

```
Area averaged Fm value =    0.391(In/Hr)
Street flow at end of street =     16.432(CFS)
Half street flow at end of street =     16.432(CFS)
Depth of flow =   0.460(Ft.), Average velocity =   6.680(Ft/s)
Note:  depth of flow exceeds top of street crown.
Flow width (from curb towards crown)=  13.000(Ft.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      104.000 to Point/Station      105.000
**** STREET FLOW TRAVEL TIME + SUBAREA FLOW ADDITION ****
____________________________________________________________________________
Top of street segment elevation =  2757.460(Ft.)
End of street segment elevation =  2752.080(Ft.)
Length of street segment  =   136.170(Ft.)
Height of curb above gutter flowline  =    6.0(In.)
Width of half street (curb to crown)  =  13.000(Ft.)
Distance from crown to crossfall grade break  =  10.000(Ft.)
Slope from gutter to grade break (v/hz) =   0.020
Slope from grade break to crown (v/hz)  =   0.020
Street flow is on [1] side(s) of the street
Distance from curb to property line  =   0.000(Ft.)
Slope from curb to property line (v/hz) =   0.000
Gutter width =   1.000(Ft.)
Gutter hike from flowline =  2.000(In.)
 Manning's N in gutter =  0.0140
 Manning's N from gutter to grade break =  0.0140
 Manning's N from grade break to crown =  0.0140
Estimated mean flow rate at midpoint of street =     17.718(CFS)
Depth of flow =   0.467(Ft.), Average velocity =   6.950(Ft/s)
Note:  depth of flow exceeds top of street crown.
Streetflow hydraulics at midpoint of street travel:
Halfstreet flow width =  13.000(Ft.)
Flow velocity =   6.95(Ft/s)
Travel time =    0.33 min.     TC =   11.54  min.
 Adding area flow to street
RESIDENTIAL(8 - 10 dwl/acre)
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 32.00
Pervious ratio(Ap) = 0.4000     Max loss rate(Fm)=     0.391(In/Hr)
Rainfall intensity =      2.469(In/Hr) for a    10.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.757
Subarea runoff =      2.472(CFS) for    1.500(Ac.)
Total runoff =     18.905(CFS)
Effective area this stream =       10.11(Ac.)
Total Study Area (Main Stream No. 1) =       10.11(Ac.)
Area averaged Fm value =    0.391(In/Hr)
Street flow at end of street =     18.905(CFS)
Half street flow at end of street =     18.905(CFS)
Depth of flow =   0.475(Ft.), Average velocity =   7.131(Ft/s)
Note:  depth of flow exceeds top of street crown.
Flow width (from curb towards crown)=  13.000(Ft.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      105.000 to Point/Station      106.000
**** STREET FLOW TRAVEL TIME + SUBAREA FLOW ADDITION ****
____________________________________________________________________________
Top of street segment elevation =  2752.080(Ft.)
End of street segment elevation =  2739.210(Ft.)
Length of street segment  =   402.950(Ft.)
Height of curb above gutter flowline  =    6.0(In.)
Width of half street (curb to crown)  =  24.000(Ft.)
Distance from crown to crossfall grade break  =  12.000(Ft.)
Slope from gutter to grade break (v/hz) =   1.000
Slope from grade break to crown (v/hz)  =  -1.000
Street flow is on [1] side(s) of the street
Distance from curb to property line  =  10.000(Ft.)
Slope from curb to property line (v/hz) =   0.020
```

```
Gutter width =   2.000(Ft.)
Gutter hike from flowline =  2.000(In.)
 Manning's N in gutter =  0.0140
 Manning's N from gutter to grade break =  0.0140
 Manning's N from grade break to crown =  0.0140
Estimated mean flow rate at midpoint of street =     20.119(CFS)
Depth of flow =   1.719(Ft.), Average velocity =  13.612(Ft/s)
Note:  depth of flow exceeds top of street crown.
Streetflow hydraulics at midpoint of street travel:
Halfstreet flow width =  24.000(Ft.)
Flow velocity =  13.61(Ft/s)
Travel time =    0.49 min.     TC =   12.03  min.
 Adding area flow to street
RESIDENTIAL(8 - 10 dwl/acre)
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 32.00
Pervious ratio(Ap) = 0.4000     Max loss rate(Fm)=     0.391(In/Hr)
Rainfall intensity =      2.408(In/Hr) for a    10.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.754
Subarea runoff =      2.346(CFS) for    1.600(Ac.)
Total runoff =     21.251(CFS)
Effective area this stream =       11.71(Ac.)
Total Study Area (Main Stream No. 1) =       11.71(Ac.)
Area averaged Fm value =    0.391(In/Hr)
Street flow at end of street =     21.251(CFS)
Half street flow at end of street =     21.251(CFS)
Depth of flow =   1.755(Ft.), Average velocity =  13.800(Ft/s)
Note:  depth of flow exceeds top of street crown.
Flow width (from curb towards crown)=  24.000(Ft.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      201.000 to Point/Station      202.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
RESIDENTIAL(8 - 10 dwl/acre)
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 32.00
Pervious ratio(Ap) = 0.4000     Max loss rate(Fm)=     0.391(In/Hr)
Initial subarea data:
Initial area flow distance =   313.800(Ft.)
Top (of initial area) elevation =  2763.940(Ft.)
Bottom (of initial area) elevation =  2751.570(Ft.)
Difference in elevation =    12.370(Ft.)
Slope =    0.03942  s(%)=       3.94
TC = k(0.374)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    7.119 min.
Rainfall intensity =      3.298(In/Hr) for a    10.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.793
Subarea runoff =      0.994(CFS)
Total initial stream area =        0.380(Ac.)
Pervious area fraction = 0.400
Initial area Fm value =    0.391(In/Hr)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      203.000 to Point/Station      204.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
RESIDENTIAL(8 - 10 dwl/acre)
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 32.00
Pervious ratio(Ap) = 0.4000     Max loss rate(Fm)=     0.391(In/Hr)
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Initial subarea data:
Initial area flow distance =   394.620(Ft.)
Top (of initial area) elevation =  2754.900(Ft.)
Bottom (of initial area) elevation =  2742.500(Ft.)
Difference in elevation =    12.400(Ft.)
Slope =    0.03142  s(%)=       3.14
TC = k(0.374)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    8.164 min.
Rainfall intensity =      3.038(In/Hr) for a    10.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.784
Subarea runoff =      3.573(CFS)
Total initial stream area =        1.500(Ac.)
Pervious area fraction = 0.400
Initial area Fm value =    0.391(In/Hr)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      301.000 to Point/Station      302.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
PARK subarea
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 32.00
Pervious ratio(Ap) = 0.8500     Max loss rate(Fm)=     0.831(In/Hr)
Initial subarea data:
Initial area flow distance =   551.440(Ft.)
Top (of initial area) elevation =  2780.440(Ft.)
Bottom (of initial area) elevation =  2748.440(Ft.)
Difference in elevation =    32.000(Ft.)
Slope =    0.05803  s(%)=       5.80
TC = k(0.483)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   10.661 min.
Rainfall intensity =      2.588(In/Hr) for a    10.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.611
Subarea runoff =      0.854(CFS)
Total initial stream area =        0.540(Ac.)
Pervious area fraction = 0.850
Initial area Fm value =    0.831(In/Hr)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      302.000 to Point/Station      303.000
**** IMPROVED CHANNEL TRAVEL TIME ****
________________________________________________________________________
Upstream point elevation =  2948.440(Ft.)
Downstream point elevation =  2730.000(Ft.)
Channel length thru subarea  =   363.990(Ft.)
Channel base width      =    1.000(Ft.)
Slope or 'Z' of left channel bank =   2.000
Slope or 'Z' of right channel bank =   2.000
Estimated mean flow rate at midpoint of channel =      1.542(CFS)
Manning's 'N'    = 0.020
Maximum depth of channel  =    1.000(Ft.)
Flow(q) thru subarea =      1.542(CFS)
Depth of flow =   0.110(Ft.), Average velocity =  11.534(Ft/s)
Channel flow top width =    1.439(Ft.)
Flow Velocity =   11.53(Ft/s)
Travel time  =    0.53 min.
Time of concentration =   11.19 min.
Critical depth =      0.332(Ft.)
 Adding area flow to channel
PARK subarea
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 32.00
Pervious ratio(Ap) = 0.8500     Max loss rate(Fm)=     0.831(In/Hr)
Rainfall intensity =      2.515(In/Hr) for a    10.0 year storm
Effective runoff coefficient used for area,(total area with modified
```

```
rational method)(Q=KCIA) is C = 0.603
Subarea runoff =      1.282(CFS) for    0.870(Ac.)
Total runoff =      2.137(CFS)
Effective area this stream =        1.41(Ac.)
Total Study Area (Main Stream No. 1) =       15.00(Ac.)
Area averaged Fm value =    0.831(In/Hr)
Depth of flow =   0.132(Ft.), Average velocity =  12.804(Ft/s)
Critical depth =      0.398(Ft.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      401.000 to Point/Station      402.000
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
PARK subarea
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 32.00
Pervious ratio(Ap) = 0.8500     Max loss rate(Fm)=     0.831(In/Hr)
Initial subarea data:
Initial area flow distance =   650.000(Ft.)
Top (of initial area) elevation =  2788.260(Ft.)
Bottom (of initial area) elevation =  2781.110(Ft.)
Difference in elevation =     7.150(Ft.)
Slope =    0.01100  s(%)=       1.10
TC = k(0.483)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   15.879 min.
Rainfall intensity =      2.038(In/Hr) for a    10.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.533
Subarea runoff =      0.424(CFS)
Total initial stream area =        0.390(Ac.)
Pervious area fraction = 0.850
Initial area Fm value =    0.831(In/Hr)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      501.000 to Point/Station      502.000
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
PARK subarea
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 32.00
Pervious ratio(Ap) = 0.8500     Max loss rate(Fm)=     0.831(In/Hr)
Initial subarea data:
Initial area flow distance =  1296.000(Ft.)
Top (of initial area) elevation =  2780.780(Ft.)
Bottom (of initial area) elevation =  2727.010(Ft.)
Difference in elevation =    53.770(Ft.)
Slope =    0.04149  s(%)=       4.15
TC = k(0.483)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   16.047 min.
Rainfall intensity =      2.025(In/Hr) for a    10.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.531
Subarea runoff =      2.214(CFS)
Total initial stream area =        2.060(Ac.)
Pervious area fraction = 0.850
Initial area Fm value =    0.831(In/Hr)
End of computations, Total Study Area =           17.45 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.
Note: These figures do not consider reduced effective area
effects caused by confluences in the rational equation.

Area averaged pervious area fraction(Ap) = 0.500
Area averaged SCS curve number =  32.0
```

San Bernardino County Rational Hydrology Program

(Hydrology Manual Date - August 1986)

CIVILCADD/CIVILDESIGN Engineering Software, (c) 1989-2019 Version 9.1
Rational Hydrology Study Date: 08/02/23

Post-Development Condition
Rational Method Hydrology Calculation
Yucaipa 18-Development Project, APN 0303-051-044, -64
100-Year, 1-Hour Storm

Program License Serial Number 6481

********* Hydrology Study Control Information **********

Rational hydrology study storm event year is 100.0
10 Year storm 1 hour rainfall = 0.929(In.)
100 Year storm 1 hour rainfall = 1.490(In.)
Computed rainfall intensity:
Storm year = 100.00 1 hour rainfall = 1.490 (In.)
Slope used for rainfall intensity curve b = 0.6000
Soil antecedent moisture condition (AMC) = 3

++
Process from Point/Station 101.000 to Point/Station 102.000
**** INITIAL AREA EVALUATION ****

RESIDENTIAL(8 - 10 dwl/acre)
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2) = 32.00
Adjusted SCS curve number for AMC 3 = 52.00
Pervious ratio(Ap) = 0.4000 Max loss rate(Fm)= 0.314(In/Hr)
Initial subarea data:
Initial area flow distance = 323.040(Ft.)
Top (of initial area) elevation = 2790.340(Ft.)
Bottom (of initial area) elevation = 2782.270(Ft.)
Difference in elevation = 8.070(Ft.)
Slope = 0.02498 s(%)= 2.50
TC = k(0.374)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration = 7.890 min.
Rainfall intensity = 5.033(In/Hr) for a 100.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.844
Subarea runoff = 3.950(CFS)
Total initial stream area = 0.930(Ac.)
Pervious area fraction = 0.400
Initial area Fm value = 0.314(In/Hr)

++
Process from Point/Station 102.000 to Point/Station 103.000
**** STREET FLOW TRAVEL TIME + SUBAREA FLOW ADDITION ****

Top of street segment elevation = 2782.270(Ft.)
End of street segment elevation = 2768.640(Ft.)
Length of street segment = 578.370(Ft.)
Height of curb above gutter flowline = 6.0(In.)
Width of half street (curb to crown) = 13.000(Ft.)
Distance from crown to crossfall grade break = 10.000(Ft.)
Slope from gutter to grade break (v/hz) = 0.020
Slope from grade break to crown (v/hz) = 0.020
Street flow is on [1] side(s) of the street
Distance from curb to property line = 0.000(Ft.)
Slope from curb to property line (v/hz) = 0.000

```
Gutter width =   1.000(Ft.)
Gutter hike from flowline =  2.000(In.)
 Manning's N in gutter =  0.0140
 Manning's N from gutter to grade break =  0.0140
 Manning's N from grade break to crown =  0.0140
Estimated mean flow rate at midpoint of street =      9.264(CFS)
Depth of flow =   0.426(Ft.), Average velocity =   4.598(Ft/s)
Note:  depth of flow exceeds top of street crown.
Streetflow hydraulics at midpoint of street travel:
Halfstreet flow width =  13.000(Ft.)
Flow velocity =   4.60(Ft/s)
Travel time =    2.10 min.     TC =    9.99  min.
 Adding area flow to street
RESIDENTIAL(8 - 10 dwl/acre)
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 32.00
Adjusted SCS curve number for AMC 3 = 52.00
Pervious ratio(Ap) = 0.4000     Max loss rate(Fm)=     0.314(In/Hr)
Rainfall intensity =      4.370(In/Hr) for a   100.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.835
Subarea runoff =     10.540(CFS) for    3.040(Ac.)
Total runoff =     14.490(CFS)
Effective area this stream =        3.97(Ac.)
Total Study Area (Main Stream No. 1) =        3.97(Ac.)
Area averaged Fm value =    0.314(In/Hr)
Street flow at end of street =     14.490(CFS)
Half street flow at end of street =     14.490(CFS)
Depth of flow =   0.474(Ft.), Average velocity =   5.491(Ft/s)
Note:  depth of flow exceeds top of street crown.
Flow width (from curb towards crown)=  13.000(Ft.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      103.000 to Point/Station      104.000
**** STREET FLOW TRAVEL TIME + SUBAREA FLOW ADDITION ****
_____________________________________________________________________________
Top of street segment elevation =  2768.640(Ft.)
End of street segment elevation =  2757.460(Ft.)
Length of street segment  =   292.320(Ft.)
Height of curb above gutter flowline  =    6.0(In.)
Width of half street (curb to crown)  =  13.000(Ft.)
Distance from crown to crossfall grade break  =  10.000(Ft.)
Slope from gutter to grade break (v/hz) =   0.020
Slope from grade break to crown (v/hz)  =   0.020
Street flow is on [1] side(s) of the street
Distance from curb to property line  =   0.000(Ft.)
Slope from curb to property line (v/hz) =   0.000
Gutter width =   1.000(Ft.)
Gutter hike from flowline =  2.000(In.)
 Manning's N in gutter =  0.0140
 Manning's N from gutter to grade break =  0.0140
 Manning's N from grade break to crown =  0.0140
Estimated mean flow rate at midpoint of street =     22.374(CFS)
Depth of flow =   0.499(Ft.), Average velocity =   7.549(Ft/s)
Note:  depth of flow exceeds top of street crown.
Streetflow hydraulics at midpoint of street travel:
Halfstreet flow width =  13.000(Ft.)
Flow velocity =   7.55(Ft/s)
Travel time =    0.65 min.     TC =   10.63  min.
 Adding area flow to street
RESIDENTIAL(8 - 10 dwl/acre)
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 32.00
Adjusted SCS curve number for AMC 3 = 52.00
Pervious ratio(Ap) = 0.4000     Max loss rate(Fm)=     0.314(In/Hr)
Rainfall intensity =      4.208(In/Hr) for a   100.0 year storm
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```
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.833
Subarea runoff =     15.687(CFS) for    4.640(Ac.)
Total runoff =     30.178(CFS)
Effective area this stream =        8.61(Ac.)
Total Study Area (Main Stream No. 1) =        8.61(Ac.)
Area averaged Fm value =    0.314(In/Hr)
Street flow at end of street =     30.178(CFS)
Half street flow at end of street =     30.178(CFS)
Depth of flow =   0.544(Ft.), Average velocity =   8.508(Ft/s)
Warning: depth of flow exceeds top of curb
Note:  depth of flow exceeds top of street crown.
Flow width (from curb towards crown)=  13.000(Ft.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      104.000 to Point/Station      105.000
**** STREET FLOW TRAVEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of street segment elevation =  2757.460(Ft.)
End of street segment elevation =  2752.080(Ft.)
Length of street segment  =   136.170(Ft.)
Height of curb above gutter flowline  =    6.0(In.)
Width of half street (curb to crown)  =  13.000(Ft.)
Distance from crown to crossfall grade break  =  10.000(Ft.)
Slope from gutter to grade break (v/hz) =   0.020
Slope from grade break to crown (v/hz)  =   0.020
Street flow is on [1] side(s) of the street
Distance from curb to property line  =   0.000(Ft.)
Slope from curb to property line (v/hz) =   0.000
Gutter width =   1.000(Ft.)
Gutter hike from flowline =  2.000(In.)
 Manning's N in gutter =  0.0140
 Manning's N from gutter to grade break =  0.0140
 Manning's N from grade break to crown =  0.0140
Estimated mean flow rate at midpoint of street =     32.569(CFS)
Depth of flow =   0.554(Ft.), Average velocity =   8.858(Ft/s)
Warning: depth of flow exceeds top of curb
Note:  depth of flow exceeds top of street crown.
Streetflow hydraulics at midpoint of street travel:
Halfstreet flow width =  13.000(Ft.)
Flow velocity =   8.86(Ft/s)
Travel time =    0.26 min.     TC =   10.89  min.
 Adding area flow to street
RESIDENTIAL(8 - 10 dwl/acre)
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 32.00
Adjusted SCS curve number for AMC 3 = 52.00
Pervious ratio(Ap) = 0.4000     Max loss rate(Fm)=     0.314(In/Hr)
Rainfall intensity =      4.149(In/Hr) for a   100.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.832
Subarea runoff =      4.714(CFS) for    1.500(Ac.)
Total runoff =     34.892(CFS)
Effective area this stream =       10.11(Ac.)
Total Study Area (Main Stream No. 1) =       10.11(Ac.)
Area averaged Fm value =    0.314(In/Hr)
Street flow at end of street =     34.892(CFS)
Half street flow at end of street =     34.892(CFS)
Depth of flow =   0.566(Ft.), Average velocity =   9.105(Ft/s)
Warning: depth of flow exceeds top of curb
Note:  depth of flow exceeds top of street crown.
Flow width (from curb towards crown)=  13.000(Ft.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      105.000 to Point/Station      106.000
**** STREET FLOW TRAVEL TIME + SUBAREA FLOW ADDITION ****
________________________________________________________________________
Top of street segment elevation =  2752.080(Ft.)
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End of street segment elevation =  2739.210(Ft.)
Length of street segment  =   402.950(Ft.)
Height of curb above gutter flowline  =    6.0(In.)
Width of half street (curb to crown)  =  24.000(Ft.)
Distance from crown to crossfall grade break  =  12.000(Ft.)
Slope from gutter to grade break (v/hz) =   1.000
Slope from grade break to crown (v/hz)  =  -1.000
Street flow is on [1] side(s) of the street
Distance from curb to property line  =  10.000(Ft.)
Slope from curb to property line (v/hz) =   0.020
Gutter width =   2.000(Ft.)
Gutter hike from flowline =  2.000(In.)
 Manning's N in gutter =  0.0140
 Manning's N from gutter to grade break =  0.0140
 Manning's N from grade break to crown =  0.0140
Estimated mean flow rate at midpoint of street =     37.060(CFS)
Depth of flow =   2.202(Ft.), Average velocity =  12.297(Ft/s)
Note:  depth of flow exceeds top of street crown.
Streetflow hydraulics at midpoint of street travel:
Halfstreet flow width =  24.000(Ft.)
Flow velocity =  12.30(Ft/s)
Travel time =    0.55 min.     TC =   11.43  min.
 Adding area flow to street
RESIDENTIAL(8 - 10 dwl/acre)
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 32.00
Adjusted SCS curve number for AMC 3 = 52.00
Pervious ratio(Ap) = 0.4000     Max loss rate(Fm)=     0.314(In/Hr)
Rainfall intensity =      4.029(In/Hr) for a   100.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.830
Subarea runoff =      4.257(CFS) for    1.600(Ac.)
Total runoff =     39.148(CFS)
Effective area this stream =       11.71(Ac.)
Total Study Area (Main Stream No. 1) =       11.71(Ac.)
Area averaged Fm value =    0.314(In/Hr)
Street flow at end of street =     39.148(CFS)
Half street flow at end of street =     39.148(CFS)
Depth of flow =   2.230(Ft.), Average velocity =  12.478(Ft/s)
Note:  depth of flow exceeds top of street crown.
Flow width (from curb towards crown)=  24.000(Ft.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      201.000 to Point/Station      202.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
RESIDENTIAL(8 - 10 dwl/acre)
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 32.00
Adjusted SCS curve number for AMC 3 = 52.00
Pervious ratio(Ap) = 0.4000     Max loss rate(Fm)=     0.314(In/Hr)
Initial subarea data:
Initial area flow distance =   313.800(Ft.)
Top (of initial area) elevation =  2763.940(Ft.)
Bottom (of initial area) elevation =  2751.570(Ft.)
Difference in elevation =    12.370(Ft.)
Slope =    0.03942  s(%)=       3.94
TC = k(0.374)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    7.119 min.
Rainfall intensity =      5.354(In/Hr) for a   100.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.847
Subarea runoff =      1.724(CFS)
Total initial stream area =        0.380(Ac.)
Pervious area fraction = 0.400
Initial area Fm value =    0.314(In/Hr)
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Process from Point/Station      203.000 to Point/Station      204.000
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
RESIDENTIAL(8 - 10 dwl/acre)
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 32.00
Adjusted SCS curve number for AMC 3 = 52.00
Pervious ratio(Ap) = 0.4000     Max loss rate(Fm)=     0.314(In/Hr)
Initial subarea data:
Initial area flow distance =   394.620(Ft.)
Top (of initial area) elevation =  2754.900(Ft.)
Bottom (of initial area) elevation =  2742.500(Ft.)
Difference in elevation =    12.400(Ft.)
Slope =    0.03142  s(%)=       3.14
TC = k(0.374)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =    8.164 min.
Rainfall intensity =      4.931(In/Hr) for a   100.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.843
Subarea runoff =      6.233(CFS)
Total initial stream area =        1.500(Ac.)
Pervious area fraction = 0.400
Initial area Fm value =    0.314(In/Hr)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      301.000 to Point/Station      302.000
**** INITIAL AREA EVALUATION ****
______________________________________________________________________________
PARK subarea
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 32.00
Adjusted SCS curve number for AMC 3 = 52.00
Pervious ratio(Ap) = 0.8500     Max loss rate(Fm)=     0.667(In/Hr)
Initial subarea data:
Initial area flow distance =   551.440(Ft.)
Top (of initial area) elevation =  2780.440(Ft.)
Bottom (of initial area) elevation =  2748.440(Ft.)
Difference in elevation =    32.000(Ft.)
Slope =    0.05803  s(%)=       5.80
TC = k(0.483)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   10.661 min.
Rainfall intensity =      4.201(In/Hr) for a   100.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.757
Subarea runoff =      1.718(CFS)
Total initial stream area =        0.540(Ac.)
Pervious area fraction = 0.850
Initial area Fm value =    0.667(In/Hr)


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Process from Point/Station      302.000 to Point/Station      303.000
**** IMPROVED CHANNEL TRAVEL TIME ****
______________________________________________________________________________
Upstream point elevation =  2948.440(Ft.)
Downstream point elevation =  2730.000(Ft.)
Channel length thru subarea  =   363.990(Ft.)
Channel base width      =    1.000(Ft.)
Slope or 'Z' of left channel bank =   2.000
Slope or 'Z' of right channel bank =   2.000
Estimated mean flow rate at midpoint of channel =      3.070(CFS)
Manning's 'N'    = 0.020
Maximum depth of channel  =    1.000(Ft.)
Flow(q) thru subarea =      3.070(CFS)
Depth of flow =   0.162(Ft.), Average velocity =  14.333(Ft/s)
Channel flow top width =    1.647(Ft.)
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Flow Velocity =   14.33(Ft/s)
Travel time  =    0.42 min.
Time of concentration =   11.08 min.
Critical depth =      0.484(Ft.)
 Adding area flow to channel
PARK subarea
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 32.00
Adjusted SCS curve number for AMC 3 = 52.00
Pervious ratio(Ap) = 0.8500     Max loss rate(Fm)=     0.667(In/Hr)
Rainfall intensity =      4.104(In/Hr) for a   100.0 year storm
Effective runoff coefficient used for area,(total area with modified
rational method)(Q=KCIA) is C = 0.754
Subarea runoff =      2.644(CFS) for    0.870(Ac.)
Total runoff =      4.362(CFS)
Effective area this stream =        1.41(Ac.)
Total Study Area (Main Stream No. 1) =       15.00(Ac.)
Area averaged Fm value =    0.667(In/Hr)
Depth of flow =   0.196(Ft.), Average velocity =  15.936(Ft/s)
Critical depth =      0.578(Ft.)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      401.000 to Point/Station      402.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
PARK subarea
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 32.00
Adjusted SCS curve number for AMC 3 = 52.00
Pervious ratio(Ap) = 0.8500     Max loss rate(Fm)=     0.667(In/Hr)
Initial subarea data:
Initial area flow distance =   650.000(Ft.)
Top (of initial area) elevation =  2788.260(Ft.)
Bottom (of initial area) elevation =  2781.110(Ft.)
Difference in elevation =     7.150(Ft.)
Slope =    0.01100  s(%)=       1.10
TC = k(0.483)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   15.879 min.
Rainfall intensity =      3.308(In/Hr) for a   100.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.718
Subarea runoff =      0.927(CFS)
Total initial stream area =        0.390(Ac.)
Pervious area fraction = 0.850
Initial area Fm value =    0.667(In/Hr)


++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
Process from Point/Station      501.000 to Point/Station      502.000
**** INITIAL AREA EVALUATION ****
________________________________________________________________________
PARK subarea
Decimal fraction soil group A = 1.000
Decimal fraction soil group B = 0.000
Decimal fraction soil group C = 0.000
Decimal fraction soil group D = 0.000
SCS curve number for soil(AMC 2)  = 32.00
Adjusted SCS curve number for AMC 3 = 52.00
Pervious ratio(Ap) = 0.8500     Max loss rate(Fm)=     0.667(In/Hr)
Initial subarea data:
Initial area flow distance =  1296.000(Ft.)
Top (of initial area) elevation =  2780.780(Ft.)
Bottom (of initial area) elevation =  2727.010(Ft.)
Difference in elevation =    53.770(Ft.)
Slope =    0.04149  s(%)=       4.15
TC = k(0.483)*[(length^3)/(elevation change)]^0.2
Initial area time of concentration =   16.047 min.
```

Rainfall intensity = 3.287(In/Hr) for a 100.0 year storm
Effective runoff coefficient used for area (Q=KCIA) is C = 0.717
Subarea runoff = 4.857(CFS)
Total initial stream area = 2.060(Ac.)
Pervious area fraction = 0.850
Initial area Fm value = 0.667(In/Hr)
End of computations, Total Study Area = 17.45 (Ac.)
The following figures may
be used for a unit hydrograph study of the same area.
Note: These figures do not consider reduced effective area
effects caused by confluences in the rational equation.

Area averaged pervious area fraction(Ap) = 0.500
Area averaged SCS curve number = 32.0

D

UNIT HYDROGRAGH METHOD CALCULATION
PRE-DEVELOPMENT CONDITION

Pre-Development Condition:

- 10-Year, 24-Hour Storm
- 100-Year, 24-Hour Storm

U n i t H y d r o g r a p h A n a l y s i s

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Study date 08/02/23

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San Bernardino County Synthetic Unit Hydrology Method
Manual date - August 1986

Program License Serial Number 6481

Pre-Development Condition
Unit Hydragh Method
Drainag Management Area A1
10-Year, 24-Hour Storm

Storm Event Year = 10

Antecedent Moisture Condition = 2

English (in-lb) Input Units Used

English Rainfall Data (Inches) Input Values Used

English Units used in output format

Area averaged rainfall intensity isohyetal data:

Sub-Area (Ac.)	Duration (hours)	Isohyetal (In)
Rainfall data for year 10		
2.06	1	0.92
Rainfall data for year 10		
2.06	6	2.32
Rainfall data for year 10		
2.06	24	4.55

++

******** Area-averaged max loss rate, Fm ********

SCS curve No.(AMCII)	SCS curve NO.(AMC 2)	Area (Ac.)	Area Fraction	Fp(Fig C6) (In/Hr)	Ap (dec.)	Fm (In/Hr)
67.0	67.0	2.06	1.000	0.578	1.000	0.578

Area-averaged adjusted loss rate Fm (In/Hr) = 0.578

********* Area-Averaged low loss rate fraction, Yb **********

Area (Ac.)	Area Fract	SCS CN (AMC2)	SCS CN (AMC2)	S	Pervious Yield Fr
2.06	1.000	67.0	67.0	4.93	0.329

Area-averaged catchment yield fraction, Y = 0.329
Area-averaged low loss fraction, Yb = 0.671
User entry of time of concentration = 0.268 (hours)

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Watershed area = 2.06(Ac.)
Catchment Lag time = 0.214 hours
Unit interval = 5.000 minutes

Unit interval percentage of lag time = 38.8682
Hydrograph baseflow = 0.00(CFS)
Average maximum watershed loss rate(Fm) = 0.578(In/Hr)
Average low loss rate fraction (Yb) = 0.671 (decimal)
VALLEY UNDEVELOPED S-Graph Selected
Computed peak 5-minute rainfall = 0.340(In)
Computed peak 30-minute rainfall = 0.697(In)
Specified peak 1-hour rainfall = 0.920(In)
Computed peak 3-hour rainfall = 1.622(In)
Specified peak 6-hour rainfall = 2.320(In)
Specified peak 24-hour rainfall = 4.550(In)

Rainfall depth area reduction factors:
Using a total area of 2.06(Ac.) (Ref: fig. E-4)

5-minute factor = 1.000 Adjusted rainfall = 0.340(In)
30-minute factor = 1.000 Adjusted rainfall = 0.697(In)
1-hour factor = 1.000 Adjusted rainfall = 0.920(In)
3-hour factor = 1.000 Adjusted rainfall = 1.622(In)
6-hour factor = 1.000 Adjusted rainfall = 2.320(In)
24-hour factor = 1.000 Adjusted rainfall = 4.550(In)

U n i t H y d r o g r a p h

Interval Number	'S' Graph Mean values (K = 24.91 (CFS))	Unit Hydrograph ((CFS))
1	4.173	1.040
2	21.175	4.236
3	47.273	6.502
4	65.272	4.484
5	74.135	2.208
6	79.624	1.367
7	83.689	1.013
8	86.869	0.792
9	89.323	0.611
10	91.347	0.504
11	92.940	0.397
12	94.197	0.313
13	95.373	0.293
14	96.344	0.242
15	97.143	0.199
16	97.820	0.169
17	98.373	0.138
18	98.802	0.107
19	99.191	0.097
20	99.579	0.097
21	100.000	0.048

Peak Unit Number	Adjusted mass rainfall (In)	Unit rainfall (In)
1	0.3405	0.3405
2	0.4492	0.1088
3	0.5284	0.0791
4	0.5928	0.0644
5	0.6481	0.0553
6	0.6972	0.0490
7	0.7415	0.0443
8	0.7822	0.0407
9	0.8199	0.0377
10	0.8552	0.0353
11	0.8884	0.0332
12	0.9199	0.0315
13	0.9587	0.0388
14	0.9961	0.0374
15	1.0322	0.0361
16	1.0672	0.0350
17	1.1011	0.0339
18	1.1341	0.0330

19	1.1662	0.0321
20	1.1975	0.0313
21	1.2281	0.0305
22	1.2579	0.0299
23	1.2871	0.0292
24	1.3157	0.0286
25	1.3438	0.0280
26	1.3712	0.0275
27	1.3982	0.0270
28	1.4247	0.0265
29	1.4508	0.0260
30	1.4764	0.0256
31	1.5016	0.0252
32	1.5264	0.0248
33	1.5509	0.0244
34	1.5750	0.0241
35	1.5987	0.0237
36	1.6221	0.0234
37	1.6452	0.0231
38	1.6680	0.0228
39	1.6906	0.0225
40	1.7128	0.0222
41	1.7348	0.0220
42	1.7565	0.0217
43	1.7779	0.0215
44	1.7992	0.0212
45	1.8202	0.0210
46	1.8409	0.0208
47	1.8615	0.0206
48	1.8818	0.0203
49	1.9020	0.0201
50	1.9219	0.0199
51	1.9417	0.0197
52	1.9612	0.0196
53	1.9806	0.0194
54	1.9998	0.0192
55	2.0188	0.0190
56	2.0377	0.0189
57	2.0564	0.0187
58	2.0750	0.0185
59	2.0933	0.0184
60	2.1116	0.0182
61	2.1297	0.0181
62	2.1476	0.0180
63	2.1654	0.0178
64	2.1831	0.0177
65	2.2007	0.0175
66	2.2181	0.0174
67	2.2354	0.0173
68	2.2525	0.0172
69	2.2696	0.0170
70	2.2865	0.0169
71	2.3033	0.0168
72	2.3200	0.0167
73	2.3356	0.0156
74	2.3511	0.0155
75	2.3665	0.0154
76	2.3817	0.0153
77	2.3969	0.0152
78	2.4120	0.0151
79	2.4270	0.0150
80	2.4418	0.0149
81	2.4566	0.0148
82	2.4713	0.0147
83	2.4859	0.0146
84	2.5004	0.0145
85	2.5148	0.0144
86	2.5292	0.0143
87	2.5434	0.0142
88	2.5576	0.0142
89	2.5717	0.0141
90	2.5857	0.0140
91	2.5996	0.0139

92	2.6134	0.0138
93	2.6272	0.0138
94	2.6409	0.0137
95	2.6545	0.0136
96	2.6680	0.0135
97	2.6815	0.0135
98	2.6949	0.0134
99	2.7082	0.0133
100	2.7215	0.0133
101	2.7347	0.0132
102	2.7478	0.0131
103	2.7608	0.0131
104	2.7738	0.0130
105	2.7868	0.0129
106	2.7996	0.0129
107	2.8124	0.0128
108	2.8252	0.0127
109	2.8378	0.0127
110	2.8505	0.0126
111	2.8630	0.0126
112	2.8755	0.0125
113	2.8880	0.0124
114	2.9004	0.0124
115	2.9127	0.0123
116	2.9250	0.0123
117	2.9372	0.0122
118	2.9494	0.0122
119	2.9615	0.0121
120	2.9736	0.0121
121	2.9856	0.0120
122	2.9975	0.0120
123	3.0094	0.0119
124	3.0213	0.0119
125	3.0331	0.0118
126	3.0449	0.0118
127	3.0566	0.0117
128	3.0683	0.0117
129	3.0799	0.0116
130	3.0915	0.0116
131	3.1030	0.0115
132	3.1145	0.0115
133	3.1259	0.0114
134	3.1373	0.0114
135	3.1487	0.0114
136	3.1600	0.0113
137	3.1713	0.0113
138	3.1825	0.0112
139	3.1937	0.0112
140	3.2048	0.0111
141	3.2159	0.0111
142	3.2270	0.0111
143	3.2380	0.0110
144	3.2490	0.0110
145	3.2599	0.0109
146	3.2708	0.0109
147	3.2817	0.0109
148	3.2925	0.0108
149	3.3033	0.0108
150	3.3141	0.0108
151	3.3248	0.0107
152	3.3355	0.0107
153	3.3461	0.0106
154	3.3567	0.0106
155	3.3673	0.0106
156	3.3778	0.0105
157	3.3883	0.0105
158	3.3988	0.0105
159	3.4092	0.0104
160	3.4196	0.0104
161	3.4300	0.0104
162	3.4403	0.0103
163	3.4506	0.0103
164	3.4609	0.0103

165	3.4711	0.0102
166	3.4814	0.0102
167	3.4915	0.0102
168	3.5017	0.0101
169	3.5118	0.0101
170	3.5219	0.0101
171	3.5319	0.0101
172	3.5419	0.0100
173	3.5519	0.0100
174	3.5619	0.0100
175	3.5718	0.0099
176	3.5817	0.0099
177	3.5916	0.0099
178	3.6014	0.0098
179	3.6113	0.0098
180	3.6210	0.0098
181	3.6308	0.0098
182	3.6405	0.0097
183	3.6502	0.0097
184	3.6599	0.0097
185	3.6696	0.0097
186	3.6792	0.0096
187	3.6888	0.0096
188	3.6984	0.0096
189	3.7079	0.0095
190	3.7174	0.0095
191	3.7269	0.0095
192	3.7364	0.0095
193	3.7458	0.0094
194	3.7552	0.0094
195	3.7646	0.0094
196	3.7740	0.0094
197	3.7834	0.0093
198	3.7927	0.0093
199	3.8020	0.0093
200	3.8112	0.0093
201	3.8205	0.0092
202	3.8297	0.0092
203	3.8389	0.0092
204	3.8481	0.0092
205	3.8572	0.0092
206	3.8664	0.0091
207	3.8755	0.0091
208	3.8846	0.0091
209	3.8936	0.0091
210	3.9027	0.0090
211	3.9117	0.0090
212	3.9207	0.0090
213	3.9297	0.0090
214	3.9386	0.0090
215	3.9475	0.0089
216	3.9565	0.0089
217	3.9653	0.0089
218	3.9742	0.0089
219	3.9831	0.0088
220	3.9919	0.0088
221	4.0007	0.0088
222	4.0095	0.0088
223	4.0182	0.0088
224	4.0270	0.0087
225	4.0357	0.0087
226	4.0444	0.0087
227	4.0531	0.0087
228	4.0618	0.0087
229	4.0704	0.0086
230	4.0790	0.0086
231	4.0876	0.0086
232	4.0962	0.0086
233	4.1048	0.0086
234	4.1134	0.0086
235	4.1219	0.0085
236	4.1304	0.0085
237	4.1389	0.0085

238	4.1474	0.0085
239	4.1558	0.0085
240	4.1643	0.0084
241	4.1727	0.0084
242	4.1811	0.0084
243	4.1895	0.0084
244	4.1978	0.0084
245	4.2062	0.0084
246	4.2145	0.0083
247	4.2228	0.0083
248	4.2311	0.0083
249	4.2394	0.0083
250	4.2477	0.0083
251	4.2559	0.0082
252	4.2642	0.0082
253	4.2724	0.0082
254	4.2806	0.0082
255	4.2888	0.0082
256	4.2969	0.0082
257	4.3051	0.0081
258	4.3132	0.0081
259	4.3213	0.0081
260	4.3294	0.0081
261	4.3375	0.0081
262	4.3456	0.0081
263	4.3536	0.0081
264	4.3616	0.0080
265	4.3697	0.0080
266	4.3777	0.0080
267	4.3857	0.0080
268	4.3936	0.0080
269	4.4016	0.0080
270	4.4095	0.0079
271	4.4175	0.0079
272	4.4254	0.0079
273	4.4333	0.0079
274	4.4411	0.0079
275	4.4490	0.0079
276	4.4569	0.0079
277	4.4647	0.0078
278	4.4725	0.0078
279	4.4803	0.0078
280	4.4881	0.0078
281	4.4959	0.0078
282	4.5037	0.0078
283	4.5114	0.0078
284	4.5192	0.0077
285	4.5269	0.0077
286	4.5346	0.0077
287	4.5423	0.0077
288	4.5500	0.0077

Unit Period (number)	Unit Rainfall (In)	Unit Soil-Loss (In)	Effective Rainfall (In)
1	0.0077	0.0052	0.0025
2	0.0077	0.0052	0.0025
3	0.0077	0.0052	0.0025
4	0.0077	0.0052	0.0025
5	0.0078	0.0052	0.0026
6	0.0078	0.0052	0.0026
7	0.0078	0.0052	0.0026
8	0.0078	0.0053	0.0026
9	0.0079	0.0053	0.0026
10	0.0079	0.0053	0.0026
11	0.0079	0.0053	0.0026
12	0.0079	0.0053	0.0026
13	0.0079	0.0053	0.0026
14	0.0080	0.0053	0.0026
15	0.0080	0.0054	0.0026
16	0.0080	0.0054	0.0026
17	0.0080	0.0054	0.0026

18	0.0081	0.0054	0.0026
19	0.0081	0.0054	0.0027
20	0.0081	0.0054	0.0027
21	0.0081	0.0055	0.0027
22	0.0081	0.0055	0.0027
23	0.0082	0.0055	0.0027
24	0.0082	0.0055	0.0027
25	0.0082	0.0055	0.0027
26	0.0082	0.0055	0.0027
27	0.0083	0.0056	0.0027
28	0.0083	0.0056	0.0027
29	0.0083	0.0056	0.0027
30	0.0084	0.0056	0.0027
31	0.0084	0.0056	0.0028
32	0.0084	0.0056	0.0028
33	0.0084	0.0057	0.0028
34	0.0085	0.0057	0.0028
35	0.0085	0.0057	0.0028
36	0.0085	0.0057	0.0028
37	0.0086	0.0057	0.0028
38	0.0086	0.0058	0.0028
39	0.0086	0.0058	0.0028
40	0.0086	0.0058	0.0028
41	0.0087	0.0058	0.0029
42	0.0087	0.0058	0.0029
43	0.0087	0.0059	0.0029
44	0.0087	0.0059	0.0029
45	0.0088	0.0059	0.0029
46	0.0088	0.0059	0.0029
47	0.0088	0.0059	0.0029
48	0.0089	0.0060	0.0029
49	0.0089	0.0060	0.0029
50	0.0089	0.0060	0.0029
51	0.0090	0.0060	0.0030
52	0.0090	0.0060	0.0030
53	0.0090	0.0061	0.0030
54	0.0091	0.0061	0.0030
55	0.0091	0.0061	0.0030
56	0.0091	0.0061	0.0030
57	0.0092	0.0062	0.0030
58	0.0092	0.0062	0.0030
59	0.0092	0.0062	0.0030
60	0.0093	0.0062	0.0030
61	0.0093	0.0063	0.0031
62	0.0093	0.0063	0.0031
63	0.0094	0.0063	0.0031
64	0.0094	0.0063	0.0031
65	0.0095	0.0064	0.0031
66	0.0095	0.0064	0.0031
67	0.0095	0.0064	0.0031
68	0.0096	0.0064	0.0031
69	0.0096	0.0065	0.0032
70	0.0097	0.0065	0.0032
71	0.0097	0.0065	0.0032
72	0.0097	0.0065	0.0032
73	0.0098	0.0066	0.0032
74	0.0098	0.0066	0.0032
75	0.0099	0.0066	0.0032
76	0.0099	0.0066	0.0033
77	0.0100	0.0067	0.0033
78	0.0100	0.0067	0.0033
79	0.0101	0.0067	0.0033
80	0.0101	0.0068	0.0033
81	0.0101	0.0068	0.0033
82	0.0102	0.0068	0.0033
83	0.0102	0.0069	0.0034
84	0.0103	0.0069	0.0034
85	0.0103	0.0069	0.0034
86	0.0104	0.0070	0.0034
87	0.0104	0.0070	0.0034
88	0.0105	0.0070	0.0034
89	0.0105	0.0071	0.0035
90	0.0106	0.0071	0.0035

91	0.0106	0.0071	0.0035
92	0.0107	0.0072	0.0035
93	0.0108	0.0072	0.0035
94	0.0108	0.0072	0.0035
95	0.0109	0.0073	0.0036
96	0.0109	0.0073	0.0036
97	0.0110	0.0074	0.0036
98	0.0110	0.0074	0.0036
99	0.0111	0.0074	0.0037
100	0.0111	0.0075	0.0037
101	0.0112	0.0075	0.0037
102	0.0113	0.0076	0.0037
103	0.0114	0.0076	0.0037
104	0.0114	0.0076	0.0037
105	0.0115	0.0077	0.0038
106	0.0115	0.0077	0.0038
107	0.0116	0.0078	0.0038
108	0.0117	0.0078	0.0038
109	0.0118	0.0079	0.0039
110	0.0118	0.0079	0.0039
111	0.0119	0.0080	0.0039
112	0.0120	0.0080	0.0039
113	0.0121	0.0081	0.0040
114	0.0121	0.0081	0.0040
115	0.0122	0.0082	0.0040
116	0.0123	0.0082	0.0040
117	0.0124	0.0083	0.0041
118	0.0124	0.0084	0.0041
119	0.0126	0.0084	0.0041
120	0.0126	0.0085	0.0042
121	0.0127	0.0085	0.0042
122	0.0128	0.0086	0.0042
123	0.0129	0.0087	0.0043
124	0.0130	0.0087	0.0043
125	0.0131	0.0088	0.0043
126	0.0132	0.0089	0.0043
127	0.0133	0.0089	0.0044
128	0.0134	0.0090	0.0044
129	0.0135	0.0091	0.0045
130	0.0136	0.0091	0.0045
131	0.0138	0.0092	0.0045
132	0.0138	0.0093	0.0046
133	0.0140	0.0094	0.0046
134	0.0141	0.0094	0.0046
135	0.0142	0.0096	0.0047
136	0.0143	0.0096	0.0047
137	0.0145	0.0097	0.0048
138	0.0146	0.0098	0.0048
139	0.0148	0.0099	0.0049
140	0.0149	0.0100	0.0049
141	0.0151	0.0101	0.0050
142	0.0152	0.0102	0.0050
143	0.0154	0.0103	0.0051
144	0.0155	0.0104	0.0051
145	0.0167	0.0112	0.0055
146	0.0168	0.0113	0.0055
147	0.0170	0.0114	0.0056
148	0.0172	0.0115	0.0056
149	0.0174	0.0117	0.0057
150	0.0175	0.0118	0.0058
151	0.0178	0.0120	0.0059
152	0.0180	0.0120	0.0059
153	0.0182	0.0122	0.0060
154	0.0184	0.0123	0.0061
155	0.0187	0.0126	0.0062
156	0.0189	0.0127	0.0062
157	0.0192	0.0129	0.0063
158	0.0194	0.0130	0.0064
159	0.0197	0.0133	0.0065
160	0.0199	0.0134	0.0066
161	0.0203	0.0136	0.0067
162	0.0206	0.0138	0.0068
163	0.0210	0.0141	0.0069

164	0.0212	0.0142	0.0070
165	0.0217	0.0146	0.0071
166	0.0220	0.0147	0.0072
167	0.0225	0.0151	0.0074
168	0.0228	0.0153	0.0075
169	0.0234	0.0157	0.0077
170	0.0237	0.0159	0.0078
171	0.0244	0.0164	0.0080
172	0.0248	0.0167	0.0082
173	0.0256	0.0172	0.0084
174	0.0260	0.0175	0.0086
175	0.0270	0.0181	0.0089
176	0.0275	0.0184	0.0090
177	0.0286	0.0192	0.0094
178	0.0292	0.0196	0.0096
179	0.0305	0.0205	0.0101
180	0.0313	0.0210	0.0103
181	0.0330	0.0221	0.0108
182	0.0339	0.0228	0.0112
183	0.0361	0.0242	0.0119
184	0.0374	0.0251	0.0123
185	0.0315	0.0211	0.0104
186	0.0332	0.0223	0.0109
187	0.0377	0.0253	0.0124
188	0.0407	0.0273	0.0134
189	0.0490	0.0329	0.0161
190	0.0553	0.0371	0.0182
191	0.0791	0.0482	0.0309
192	0.1088	0.0482	0.0606
193	0.3405	0.0482	0.2923
194	0.0644	0.0432	0.0212
195	0.0443	0.0298	0.0146
196	0.0353	0.0237	0.0116
197	0.0388	0.0260	0.0128
198	0.0350	0.0235	0.0115
199	0.0321	0.0215	0.0106
200	0.0299	0.0200	0.0098
201	0.0280	0.0188	0.0092
202	0.0265	0.0178	0.0087
203	0.0252	0.0169	0.0083
204	0.0241	0.0162	0.0079
205	0.0231	0.0155	0.0076
206	0.0222	0.0149	0.0073
207	0.0215	0.0144	0.0071
208	0.0208	0.0139	0.0068
209	0.0201	0.0135	0.0066
210	0.0196	0.0131	0.0064
211	0.0190	0.0128	0.0063
212	0.0185	0.0124	0.0061
213	0.0181	0.0121	0.0060
214	0.0177	0.0119	0.0058
215	0.0173	0.0116	0.0057
216	0.0169	0.0114	0.0056
217	0.0156	0.0105	0.0051
218	0.0153	0.0103	0.0050
219	0.0150	0.0100	0.0049
220	0.0147	0.0099	0.0048
221	0.0144	0.0097	0.0047
222	0.0142	0.0095	0.0047
223	0.0139	0.0093	0.0046
224	0.0137	0.0092	0.0045
225	0.0135	0.0090	0.0044
226	0.0133	0.0089	0.0044
227	0.0131	0.0088	0.0043
228	0.0129	0.0086	0.0042
229	0.0127	0.0085	0.0042
230	0.0125	0.0084	0.0041
231	0.0123	0.0083	0.0041
232	0.0122	0.0082	0.0040
233	0.0120	0.0081	0.0040
234	0.0119	0.0080	0.0039
235	0.0117	0.0079	0.0039
236	0.0116	0.0078	0.0038

237	0.0114	0.0077	0.0038
238	0.0113	0.0076	0.0037
239	0.0112	0.0075	0.0037
240	0.0111	0.0074	0.0036
241	0.0109	0.0073	0.0036
242	0.0108	0.0073	0.0036
243	0.0107	0.0072	0.0035
244	0.0106	0.0071	0.0035
245	0.0105	0.0070	0.0035
246	0.0104	0.0070	0.0034
247	0.0103	0.0069	0.0034
248	0.0102	0.0068	0.0034
249	0.0101	0.0068	0.0033
250	0.0100	0.0067	0.0033
251	0.0099	0.0067	0.0033
252	0.0098	0.0066	0.0032
253	0.0098	0.0065	0.0032
254	0.0097	0.0065	0.0032
255	0.0096	0.0064	0.0032
256	0.0095	0.0064	0.0031
257	0.0094	0.0063	0.0031
258	0.0094	0.0063	0.0031
259	0.0093	0.0062	0.0031
260	0.0092	0.0062	0.0030
261	0.0092	0.0061	0.0030
262	0.0091	0.0061	0.0030
263	0.0090	0.0061	0.0030
264	0.0090	0.0060	0.0029
265	0.0089	0.0060	0.0029
266	0.0088	0.0059	0.0029
267	0.0088	0.0059	0.0029
268	0.0087	0.0058	0.0029
269	0.0086	0.0058	0.0028
270	0.0086	0.0058	0.0028
271	0.0085	0.0057	0.0028
272	0.0085	0.0057	0.0028
273	0.0084	0.0057	0.0028
274	0.0084	0.0056	0.0028
275	0.0083	0.0056	0.0027
276	0.0083	0.0055	0.0027
277	0.0082	0.0055	0.0027
278	0.0082	0.0055	0.0027
279	0.0081	0.0054	0.0027
280	0.0081	0.0054	0.0027
281	0.0080	0.0054	0.0026
282	0.0080	0.0054	0.0026
283	0.0079	0.0053	0.0026
284	0.0079	0.0053	0.0026
285	0.0078	0.0053	0.0026
286	0.0078	0.0052	0.0026
287	0.0078	0.0052	0.0026
288	0.0077	0.0052	0.0025

Total soil rain loss = 2.84(In)
Total effective rainfall = 1.71(In)
Peak flow rate in flood hydrograph = 2.43(CFS)

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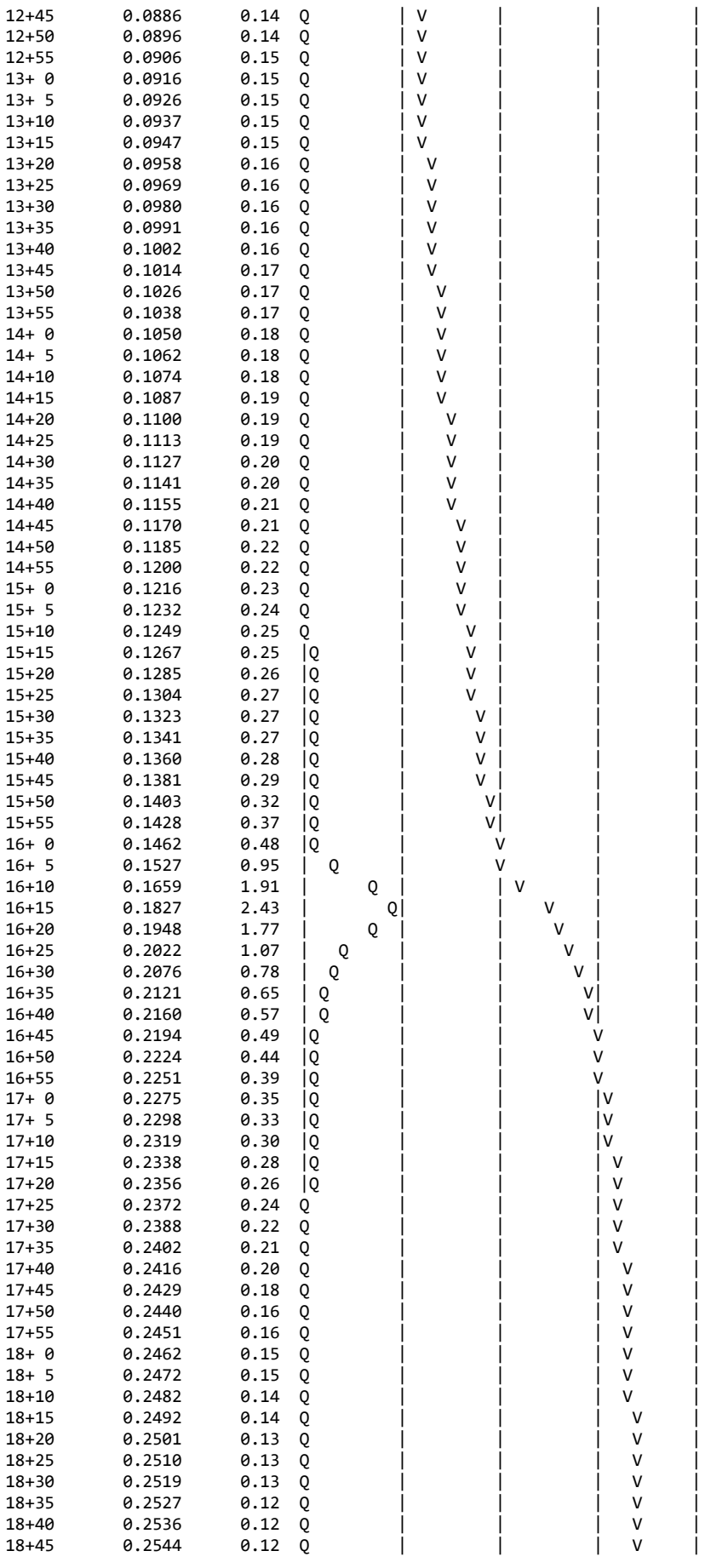
24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0000	0.00	Q	|	|	|	|
0+10	0.0001	0.01	Q	|	|	|	|
0+15	0.0003	0.03	Q	|	|	|	|
0+20	0.0006	0.04	Q	|	|	|	|
0+25	0.0009	0.05	Q	|	|	|	|
0+30	0.0013	0.05	Q	|	|	|	|

0+35	0.0016	0.05	Q	|	|	|	|
0+40	0.0020	0.06	Q	|	|	|	|
0+45	0.0024	0.06	Q	|	|	|	|
0+50	0.0028	0.06	Q	|	|	|	|
0+55	0.0032	0.06	Q	|	|	|	|
1+ 0	0.0036	0.06	Q	|	|	|	|
1+ 5	0.0041	0.06	Q	|	|	|	|
1+10	0.0045	0.06	Q	|	|	|	|
1+15	0.0049	0.06	Q	|	|	|	|
1+20	0.0054	0.06	Q	|	|	|	|
1+25	0.0058	0.06	Q	|	|	|	|
1+30	0.0062	0.06	Q	|	|	|	|
1+35	0.0067	0.06	Q	|	|	|	|
1+40	0.0071	0.07	Q	|	|	|	|
1+45	0.0076	0.07	QV	|	|	|	|
1+50	0.0081	0.07	QV	|	|	|	|
1+55	0.0085	0.07	QV	|	|	|	|
2+ 0	0.0090	0.07	QV	|	|	|	|
2+ 5	0.0094	0.07	QV	|	|	|	|
2+10	0.0099	0.07	QV	|	|	|	|
2+15	0.0103	0.07	QV	|	|	|	|
2+20	0.0108	0.07	QV	|	|	|	|
2+25	0.0113	0.07	QV	|	|	|	|
2+30	0.0117	0.07	QV	|	|	|	|
2+35	0.0122	0.07	QV	|	|	|	|
2+40	0.0127	0.07	QV	|	|	|	|
2+45	0.0131	0.07	QV	|	|	|	|
2+50	0.0136	0.07	QV	|	|	|	|
2+55	0.0141	0.07	QV	|	|	|	|
3+ 0	0.0146	0.07	QV	|	|	|	|
3+ 5	0.0150	0.07	Q V	|	|	|	|
3+10	0.0155	0.07	Q V	|	|	|	|
3+15	0.0160	0.07	Q V	|	|	|	|
3+20	0.0165	0.07	Q V	|	|	|	|
3+25	0.0169	0.07	Q V	|	|	|	|
3+30	0.0174	0.07	Q V	|	|	|	|
3+35	0.0179	0.07	Q V	|	|	|	|
3+40	0.0184	0.07	Q V	|	|	|	|
3+45	0.0189	0.07	Q V	|	|	|	|
3+50	0.0194	0.07	Q V	|	|	|	|
3+55	0.0199	0.07	Q V	|	|	|	|
4+ 0	0.0204	0.07	Q V	|	|	|	|
4+ 5	0.0209	0.07	Q V	|	|	|	|
4+10	0.0214	0.07	Q V	|	|	|	|
4+15	0.0219	0.07	Q V	|	|	|	|
4+20	0.0224	0.07	Q V	|	|	|	|
4+25	0.0229	0.07	Q V	|	|	|	|
4+30	0.0234	0.07	Q V	|	|	|	|
4+35	0.0239	0.07	Q V	|	|	|	|
4+40	0.0244	0.07	Q V	|	|	|	|
4+45	0.0249	0.07	Q V	|	|	|	|
4+50	0.0254	0.07	Q V	|	|	|	|
4+55	0.0259	0.07	Q V	|	|	|	|
5+ 0	0.0264	0.07	Q V	|	|	|	|
5+ 5	0.0269	0.08	Q V	|	|	|	|
5+10	0.0275	0.08	Q V	|	|	|	|
5+15	0.0280	0.08	Q V	|	|	|	|
5+20	0.0285	0.08	Q V	|	|	|	|
5+25	0.0290	0.08	Q V	|	|	|	|
5+30	0.0296	0.08	Q V	|	|	|	|
5+35	0.0301	0.08	Q V	|	|	|	|
5+40	0.0306	0.08	Q V	|	|	|	|
5+45	0.0311	0.08	Q V	|	|	|	|
5+50	0.0317	0.08	Q V	|	|	|	|
5+55	0.0322	0.08	Q V	|	|	|	|
6+ 0	0.0328	0.08	Q V	|	|	|	|
6+ 5	0.0333	0.08	Q V	|	|	|	|
6+10	0.0338	0.08	Q V	|	|	|	|
6+15	0.0344	0.08	Q V	|	|	|	|
6+20	0.0349	0.08	Q V	|	|	|	|
6+25	0.0355	0.08	Q V	|	|	|	|
6+30	0.0360	0.08	Q V	|	|	|	|
6+35	0.0366	0.08	Q V	|	|	|	|

```
 6+40       0.0372      0.08  Q    V    |         |         |         |
 6+45       0.0377      0.08  Q    V    |         |         |         |
 6+50       0.0383      0.08  Q    V    |         |         |         |
 6+55       0.0389      0.08  Q    V    |         |         |         |
 7+ 0       0.0394      0.08  Q    V    |         |         |         |
 7+ 5       0.0400      0.08  Q    V    |         |         |         |
 7+10       0.0406      0.08  Q    V    |         |         |         |
 7+15       0.0411      0.08  Q    V    |         |         |         |
 7+20       0.0417      0.08  Q    V    |         |         |         |
 7+25       0.0423      0.08  Q    V    |         |         |         |
 7+30       0.0429      0.08  Q    V    |         |         |         |
 7+35       0.0435      0.09  Q    V    |         |         |         |
 7+40       0.0441      0.09  Q     V   |         |         |         |
 7+45       0.0447      0.09  Q     V   |         |         |         |
 7+50       0.0453      0.09  Q     V   |         |         |         |
 7+55       0.0459      0.09  Q     V   |         |         |         |
 8+ 0       0.0465      0.09  Q     V   |         |         |         |
 8+ 5       0.0471      0.09  Q     V   |         |         |         |
 8+10       0.0477      0.09  Q     V   |         |         |         |
 8+15       0.0483      0.09  Q     V   |         |         |         |
 8+20       0.0489      0.09  Q     V   |         |         |         |
 8+25       0.0495      0.09  Q     V   |         |         |         |
 8+30       0.0501      0.09  Q     V   |         |         |         |
 8+35       0.0508      0.09  Q     V   |         |         |         |
 8+40       0.0514      0.09  Q      V  |         |         |         |
 8+45       0.0520      0.09  Q      V  |         |         |         |
 8+50       0.0527      0.09  Q      V  |         |         |         |
 8+55       0.0533      0.09  Q      V  |         |         |         |
 9+ 0       0.0540      0.09  Q      V  |         |         |         |
 9+ 5       0.0546      0.09  Q      V  |         |         |         |
 9+10       0.0553      0.09  Q      V  |         |         |         |
 9+15       0.0559      0.10  Q      V  |         |         |         |
 9+20       0.0566      0.10  Q      V  |         |         |         |
 9+25       0.0572      0.10  Q      V  |         |         |         |
 9+30       0.0579      0.10  Q      V  |         |         |         |
 9+35       0.0586      0.10  Q       V |         |         |         |
 9+40       0.0592      0.10  Q       V |         |         |         |
 9+45       0.0599      0.10  Q       V |         |         |         |
 9+50       0.0606      0.10  Q       V |         |         |         |
 9+55       0.0613      0.10  Q       V |         |         |         |
10+ 0       0.0620      0.10  Q       V |         |         |         |
10+ 5       0.0627      0.10  Q       V |         |         |         |
10+10       0.0634      0.10  Q       V |         |         |         |
10+15       0.0641      0.10  Q       V |         |         |         |
10+20       0.0648      0.10  Q       V |         |         |         |
10+25       0.0655      0.10  Q       V |         |         |         |
10+30       0.0663      0.11  Q        V|         |         |         |
10+35       0.0670      0.11  Q        V|         |         |         |
10+40       0.0677      0.11  Q        V|         |         |         |
10+45       0.0685      0.11  Q        V|         |         |         |
10+50       0.0692      0.11  Q        V|         |         |         |
10+55       0.0700      0.11  Q        V|         |         |         |
11+ 0       0.0707      0.11  Q        V|         |         |         |
11+ 5       0.0715      0.11  Q        V|         |         |         |
11+10       0.0722      0.11  Q        V|         |         |         |
11+15       0.0730      0.11  Q        V|         |         |         |
11+20       0.0738      0.11  Q         V         |         |         |
11+25       0.0746      0.11  Q         V         |         |         |
11+30       0.0754      0.12  Q         V         |         |         |
11+35       0.0762      0.12  Q         V         |         |         |
11+40       0.0770      0.12  Q         V         |         |         |
11+45       0.0778      0.12  Q         V         |         |         |
11+50       0.0786      0.12  Q         V         |         |         |
11+55       0.0795      0.12  Q         V         |         |         |
12+ 0       0.0803      0.12  Q         V         |         |         |
12+ 5       0.0812      0.12  Q         |V        |         |         |
12+10       0.0820      0.13  Q         |V        |         |         |
12+15       0.0829      0.13  Q         |V        |         |         |
12+20       0.0839      0.13  Q         |V        |         |         |
12+25       0.0848      0.13  Q         |V        |         |         |
12+30       0.0857      0.14  Q         |V        |         |         |
12+35       0.0867      0.14  Q         |V        |         |         |
12+40       0.0876      0.14  Q         |V        |         |         |
```



18+50	0.2552	0.12	Q				V
18+55	0.2560	0.11	Q				V
19+ 0	0.2568	0.11	Q				V
19+ 5	0.2575	0.11	Q				V
19+10	0.2583	0.11	Q				V
19+15	0.2590	0.11	Q				V
19+20	0.2598	0.11	Q				V
19+25	0.2605	0.10	Q				V
19+30	0.2612	0.10	Q				V
19+35	0.2619	0.10	Q				V
19+40	0.2626	0.10	Q				V
19+45	0.2632	0.10	Q				V
19+50	0.2639	0.10	Q				V
19+55	0.2646	0.10	Q				V
20+ 0	0.2652	0.09	Q				V
20+ 5	0.2659	0.09	Q				V
20+10	0.2665	0.09	Q				V
20+15	0.2671	0.09	Q				V
20+20	0.2678	0.09	Q				V
20+25	0.2684	0.09	Q				V
20+30	0.2690	0.09	Q				V
20+35	0.2696	0.09	Q				V
20+40	0.2702	0.09	Q				V
20+45	0.2708	0.09	Q				V
20+50	0.2714	0.09	Q				V
20+55	0.2719	0.08	Q				V
21+ 0	0.2725	0.08	Q				V
21+ 5	0.2731	0.08	Q				V
21+10	0.2737	0.08	Q				V
21+15	0.2742	0.08	Q				V
21+20	0.2748	0.08	Q				V
21+25	0.2753	0.08	Q				V
21+30	0.2759	0.08	Q				V
21+35	0.2764	0.08	Q				V
21+40	0.2769	0.08	Q				V
21+45	0.2775	0.08	Q				V
21+50	0.2780	0.08	Q				V
21+55	0.2785	0.08	Q				V
22+ 0	0.2790	0.08	Q				V
22+ 5	0.2796	0.07	Q				V
22+10	0.2801	0.07	Q				V
22+15	0.2806	0.07	Q				V
22+20	0.2811	0.07	Q				V
22+25	0.2816	0.07	Q				V
22+30	0.2821	0.07	Q				V
22+35	0.2826	0.07	Q				V
22+40	0.2831	0.07	Q				V
22+45	0.2835	0.07	Q				V
22+50	0.2840	0.07	Q				V
22+55	0.2845	0.07	Q				V
23+ 0	0.2850	0.07	Q				V
23+ 5	0.2855	0.07	Q				V
23+10	0.2859	0.07	Q				V
23+15	0.2864	0.07	Q				V
23+20	0.2869	0.07	Q				V
23+25	0.2873	0.07	Q				V
23+30	0.2878	0.07	Q				V
23+35	0.2882	0.07	Q				V
23+40	0.2887	0.07	Q				V
23+45	0.2892	0.07	Q				V
23+50	0.2896	0.07	Q				V
23+55	0.2900	0.06	Q				V
24+ 0	0.2905	0.06	Q				V
24+ 5	0.2909	0.06	Q				V
24+10	0.2913	0.05	Q				V
24+15	0.2915	0.03	Q				V
24+20	0.2916	0.02	Q				V
24+25	0.2918	0.02	Q				V
24+30	0.2919	0.01	Q				V
24+35	0.2919	0.01	Q				V
24+40	0.2920	0.01	Q				V
24+45	0.2920	0.01	Q				V
24+50	0.2921	0.01	Q				V

```
   24+55       0.2921      0.00  Q         |         |         |        V|
   25+ 0       0.2921      0.00  Q         |         |         |        V|
   25+ 5       0.2921      0.00  Q         |         |         |        V|
   25+10       0.2922      0.00  Q         |         |         |        V|
   25+15       0.2922      0.00  Q         |         |         |        V|
   25+20       0.2922      0.00  Q         |         |         |        V|
   25+25       0.2922      0.00  Q         |         |         |        V|
   25+30       0.2922      0.00  Q         |         |         |        V|
   25+35       0.2922      0.00  Q         |         |         |        V|
   25+40       0.2922      0.00  Q         |         |         |         V
-------------------------------------------------------------------------
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U n i t H y d r o g r a p h A n a l y s i s

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Study date 08/02/23

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San Bernardino County Synthetic Unit Hydrology Method
Manual date - August 1986

Program License Serial Number 6481

Pre-Development Condition
Unit Hydrogragh Method
Drainag Management Area A2
10-Year, 24-Hour Storm

Storm Event Year = 10

Antecedent Moisture Condition = 2

English (in-lb) Input Units Used

English Rainfall Data (Inches) Input Values Used

English Units used in output format

Area averaged rainfall intensity isohyetal data:

Sub-Area (Ac.)	Duration (hours)	Isohyetal (In)
Rainfall data for year 10		
15.00	1	0.92
Rainfall data for year 10		
15.00	6	2.32
Rainfall data for year 10		
15.00	24	4.55

++

******** Area-averaged max loss rate, Fm ********

SCS curve No.(AMCII)	SCS curve NO.(AMC 2)	Area (Ac.)	Area Fraction	Fp(Fig C6) (In/Hr)	Ap (dec.)	Fm (In/Hr)
67.0	67.0	15.00	1.000	0.578	1.000	0.578

Area-averaged adjusted loss rate Fm (In/Hr) = 0.578

********* Area-Averaged low loss rate fraction, Yb **********

Area (Ac.)	Area Fract	SCS CN (AMC2)	SCS CN (AMC2)	S	Pervious Yield Fr
15.00	1.000	67.0	67.0	4.93	0.329

Area-averaged catchment yield fraction, Y = 0.329
Area-averaged low loss fraction, Yb = 0.671
User entry of time of concentration = 0.181 (hours)

++

Watershed area = 15.00(Ac.)
Catchment Lag time = 0.145 hours
Unit interval = 5.000 minutes

Unit interval percentage of lag time = 57.5506
Hydrograph baseflow = 0.00(CFS)
Average maximum watershed loss rate(Fm) = 0.578(In/Hr)
Average low loss rate fraction (Yb) = 0.671 (decimal)
VALLEY UNDEVELOPED S-Graph Selected
Computed peak 5-minute rainfall = 0.340(In)
Computed peak 30-minute rainfall = 0.697(In)
Specified peak 1-hour rainfall = 0.920(In)
Computed peak 3-hour rainfall = 1.622(In)
Specified peak 6-hour rainfall = 2.320(In)
Specified peak 24-hour rainfall = 4.550(In)

Rainfall depth area reduction factors:
Using a total area of 15.00(Ac.) (Ref: fig. E-4)

5-minute factor = 0.999 Adjusted rainfall = 0.340(In)
30-minute factor = 0.999 Adjusted rainfall = 0.697(In)
1-hour factor = 0.999 Adjusted rainfall = 0.919(In)
3-hour factor = 1.000 Adjusted rainfall = 1.622(In)
6-hour factor = 1.000 Adjusted rainfall = 2.320(In)
24-hour factor = 1.000 Adjusted rainfall = 4.550(In)

U n i t H y d r o g r a p h

Interval Number	'S' Graph Mean values	Unit Hydrograph ((CFS))
	(K = 181.41 (CFS))	
1	7.669	13.912
2	39.857	58.391
3	67.200	49.602
4	77.984	19.562
5	84.227	11.325
6	88.476	7.709
7	91.556	5.586
8	93.710	3.909
9	95.453	3.161
10	96.805	2.453
11	97.839	1.875
12	98.608	1.395
13	99.194	1.062
14	100.000	0.531

Peak Unit Number	Adjusted mass rainfall (In)	Unit rainfall (In)
1	0.3403	0.3403
2	0.4490	0.1087
3	0.5280	0.0791
4	0.5924	0.0644
5	0.6477	0.0553
6	0.6967	0.0490
7	0.7411	0.0443
8	0.7817	0.0407
9	0.8194	0.0377
10	0.8547	0.0353
11	0.8879	0.0332
12	0.9194	0.0314
13	0.9582	0.0388
14	0.9956	0.0374
15	1.0317	0.0361
16	1.0667	0.0350
17	1.1007	0.0339
18	1.1337	0.0330
19	1.1658	0.0321
20	1.1971	0.0313
21	1.2277	0.0306
22	1.2575	0.0299
23	1.2868	0.0292
24	1.3154	0.0286
25	1.3434	0.0280

26	1.3709	0.0275
27	1.3979	0.0270
28	1.4244	0.0265
29	1.4505	0.0261
30	1.4762	0.0256
31	1.5014	0.0252
32	1.5262	0.0248
33	1.5507	0.0245
34	1.5748	0.0241
35	1.5986	0.0238
36	1.6220	0.0234
37	1.6451	0.0231
38	1.6679	0.0228
39	1.6904	0.0225
40	1.7127	0.0222
41	1.7346	0.0220
42	1.7564	0.0217
43	1.7778	0.0215
44	1.7991	0.0212
45	1.8201	0.0210
46	1.8408	0.0208
47	1.8614	0.0206
48	1.8817	0.0203
49	1.9019	0.0201
50	1.9218	0.0199
51	1.9415	0.0197
52	1.9611	0.0196
53	1.9805	0.0194
54	1.9997	0.0192
55	2.0187	0.0190
56	2.0376	0.0189
57	2.0563	0.0187
58	2.0748	0.0185
59	2.0932	0.0184
60	2.1115	0.0182
61	2.1296	0.0181
62	2.1475	0.0180
63	2.1653	0.0178
64	2.1830	0.0177
65	2.2006	0.0175
66	2.2180	0.0174
67	2.2353	0.0173
68	2.2524	0.0172
69	2.2695	0.0170
70	2.2864	0.0169
71	2.3032	0.0168
72	2.3199	0.0167
73	2.3355	0.0156
74	2.3510	0.0155
75	2.3664	0.0154
76	2.3816	0.0153
77	2.3968	0.0152
78	2.4119	0.0151
79	2.4269	0.0150
80	2.4417	0.0149
81	2.4565	0.0148
82	2.4712	0.0147
83	2.4858	0.0146
84	2.5003	0.0145
85	2.5147	0.0144
86	2.5291	0.0143
87	2.5433	0.0142
88	2.5575	0.0142
89	2.5716	0.0141
90	2.5856	0.0140
91	2.5995	0.0139
92	2.6133	0.0138
93	2.6271	0.0138
94	2.6408	0.0137
95	2.6544	0.0136
96	2.6679	0.0135
97	2.6814	0.0135
98	2.6948	0.0134

99	2.7081	0.0133
100	2.7214	0.0133
101	2.7346	0.0132
102	2.7477	0.0131
103	2.7607	0.0131
104	2.7737	0.0130
105	2.7867	0.0129
106	2.7995	0.0129
107	2.8123	0.0128
108	2.8251	0.0127
109	2.8377	0.0127
110	2.8504	0.0126
111	2.8629	0.0126
112	2.8754	0.0125
113	2.8879	0.0124
114	2.9003	0.0124
115	2.9126	0.0123
116	2.9249	0.0123
117	2.9371	0.0122
118	2.9493	0.0122
119	2.9614	0.0121
120	2.9735	0.0121
121	2.9855	0.0120
122	2.9974	0.0120
123	3.0093	0.0119
124	3.0212	0.0119
125	3.0330	0.0118
126	3.0448	0.0118
127	3.0565	0.0117
128	3.0682	0.0117
129	3.0798	0.0116
130	3.0914	0.0116
131	3.1029	0.0115
132	3.1144	0.0115
133	3.1258	0.0114
134	3.1372	0.0114
135	3.1486	0.0114
136	3.1599	0.0113
137	3.1712	0.0113
138	3.1824	0.0112
139	3.1936	0.0112
140	3.2047	0.0111
141	3.2158	0.0111
142	3.2269	0.0111
143	3.2379	0.0110
144	3.2489	0.0110
145	3.2598	0.0109
146	3.2707	0.0109
147	3.2816	0.0109
148	3.2924	0.0108
149	3.3032	0.0108
150	3.3140	0.0108
151	3.3247	0.0107
152	3.3354	0.0107
153	3.3460	0.0106
154	3.3566	0.0106
155	3.3672	0.0106
156	3.3777	0.0105
157	3.3882	0.0105
158	3.3987	0.0105
159	3.4091	0.0104
160	3.4195	0.0104
161	3.4299	0.0104
162	3.4402	0.0103
163	3.4506	0.0103
164	3.4608	0.0103
165	3.4711	0.0102
166	3.4813	0.0102
167	3.4914	0.0102
168	3.5016	0.0101
169	3.5117	0.0101
170	3.5218	0.0101
171	3.5318	0.0101

172	3.5418	0.0100
173	3.5518	0.0100
174	3.5618	0.0100
175	3.5717	0.0099
176	3.5816	0.0099
177	3.5915	0.0099
178	3.6014	0.0098
179	3.6112	0.0098
180	3.6210	0.0098
181	3.6307	0.0098
182	3.6404	0.0097
183	3.6502	0.0097
184	3.6598	0.0097
185	3.6695	0.0097
186	3.6791	0.0096
187	3.6887	0.0096
188	3.6983	0.0096
189	3.7078	0.0095
190	3.7173	0.0095
191	3.7268	0.0095
192	3.7363	0.0095
193	3.7457	0.0094
194	3.7552	0.0094
195	3.7646	0.0094
196	3.7739	0.0094
197	3.7833	0.0093
198	3.7926	0.0093
199	3.8019	0.0093
200	3.8112	0.0093
201	3.8204	0.0092
202	3.8296	0.0092
203	3.8388	0.0092
204	3.8480	0.0092
205	3.8572	0.0092
206	3.8663	0.0091
207	3.8754	0.0091
208	3.8845	0.0091
209	3.8935	0.0091
210	3.9026	0.0090
211	3.9116	0.0090
212	3.9206	0.0090
213	3.9296	0.0090
214	3.9385	0.0090
215	3.9475	0.0089
216	3.9564	0.0089
217	3.9653	0.0089
218	3.9741	0.0089
219	3.9830	0.0088
220	3.9918	0.0088
221	4.0006	0.0088
222	4.0094	0.0088
223	4.0182	0.0088
224	4.0269	0.0087
225	4.0356	0.0087
226	4.0443	0.0087
227	4.0530	0.0087
228	4.0617	0.0087
229	4.0703	0.0086
230	4.0790	0.0086
231	4.0876	0.0086
232	4.0962	0.0086
233	4.1047	0.0086
234	4.1133	0.0086
235	4.1218	0.0085
236	4.1303	0.0085
237	4.1388	0.0085
238	4.1473	0.0085
239	4.1557	0.0085
240	4.1642	0.0084
241	4.1726	0.0084
242	4.1810	0.0084
243	4.1894	0.0084
244	4.1978	0.0084

245	4.2061	0.0084
246	4.2144	0.0083
247	4.2228	0.0083
248	4.2311	0.0083
249	4.2393	0.0083
250	4.2476	0.0083
251	4.2559	0.0082
252	4.2641	0.0082
253	4.2723	0.0082
254	4.2805	0.0082
255	4.2887	0.0082
256	4.2968	0.0082
257	4.3050	0.0081
258	4.3131	0.0081
259	4.3212	0.0081
260	4.3293	0.0081
261	4.3374	0.0081
262	4.3455	0.0081
263	4.3535	0.0081
264	4.3616	0.0080
265	4.3696	0.0080
266	4.3776	0.0080
267	4.3856	0.0080
268	4.3935	0.0080
269	4.4015	0.0080
270	4.4094	0.0079
271	4.4174	0.0079
272	4.4253	0.0079
273	4.4332	0.0079
274	4.4411	0.0079
275	4.4489	0.0079
276	4.4568	0.0079
277	4.4646	0.0078
278	4.4725	0.0078
279	4.4803	0.0078
280	4.4881	0.0078
281	4.4958	0.0078
282	4.5036	0.0078
283	4.5114	0.0078
284	4.5191	0.0077
285	4.5268	0.0077
286	4.5345	0.0077
287	4.5422	0.0077
288	4.5499	0.0077

Unit Period (number)	Unit Rainfall (In)	Unit Soil-Loss (In)	Effective Rainfall (In)
1	0.0077	0.0052	0.0025
2	0.0077	0.0052	0.0025
3	0.0077	0.0052	0.0025
4	0.0077	0.0052	0.0025
5	0.0078	0.0052	0.0026
6	0.0078	0.0052	0.0026
7	0.0078	0.0052	0.0026
8	0.0078	0.0053	0.0026
9	0.0079	0.0053	0.0026
10	0.0079	0.0053	0.0026
11	0.0079	0.0053	0.0026
12	0.0079	0.0053	0.0026
13	0.0079	0.0053	0.0026
14	0.0080	0.0053	0.0026
15	0.0080	0.0054	0.0026
16	0.0080	0.0054	0.0026
17	0.0080	0.0054	0.0026
18	0.0081	0.0054	0.0026
19	0.0081	0.0054	0.0027
20	0.0081	0.0054	0.0027
21	0.0081	0.0055	0.0027
22	0.0081	0.0055	0.0027
23	0.0082	0.0055	0.0027
24	0.0082	0.0055	0.0027

25	0.0082	0.0055	0.0027
26	0.0082	0.0055	0.0027
27	0.0083	0.0056	0.0027
28	0.0083	0.0056	0.0027
29	0.0083	0.0056	0.0027
30	0.0084	0.0056	0.0027
31	0.0084	0.0056	0.0028
32	0.0084	0.0056	0.0028
33	0.0084	0.0057	0.0028
34	0.0085	0.0057	0.0028
35	0.0085	0.0057	0.0028
36	0.0085	0.0057	0.0028
37	0.0086	0.0057	0.0028
38	0.0086	0.0058	0.0028
39	0.0086	0.0058	0.0028
40	0.0086	0.0058	0.0028
41	0.0087	0.0058	0.0029
42	0.0087	0.0058	0.0029
43	0.0087	0.0059	0.0029
44	0.0087	0.0059	0.0029
45	0.0088	0.0059	0.0029
46	0.0088	0.0059	0.0029
47	0.0088	0.0059	0.0029
48	0.0089	0.0060	0.0029
49	0.0089	0.0060	0.0029
50	0.0089	0.0060	0.0029
51	0.0090	0.0060	0.0030
52	0.0090	0.0060	0.0030
53	0.0090	0.0061	0.0030
54	0.0091	0.0061	0.0030
55	0.0091	0.0061	0.0030
56	0.0091	0.0061	0.0030
57	0.0092	0.0062	0.0030
58	0.0092	0.0062	0.0030
59	0.0092	0.0062	0.0030
60	0.0093	0.0062	0.0030
61	0.0093	0.0063	0.0031
62	0.0093	0.0063	0.0031
63	0.0094	0.0063	0.0031
64	0.0094	0.0063	0.0031
65	0.0095	0.0064	0.0031
66	0.0095	0.0064	0.0031
67	0.0095	0.0064	0.0031
68	0.0096	0.0064	0.0031
69	0.0096	0.0065	0.0032
70	0.0097	0.0065	0.0032
71	0.0097	0.0065	0.0032
72	0.0097	0.0065	0.0032
73	0.0098	0.0066	0.0032
74	0.0098	0.0066	0.0032
75	0.0099	0.0066	0.0032
76	0.0099	0.0066	0.0033
77	0.0100	0.0067	0.0033
78	0.0100	0.0067	0.0033
79	0.0101	0.0067	0.0033
80	0.0101	0.0068	0.0033
81	0.0101	0.0068	0.0033
82	0.0102	0.0068	0.0033
83	0.0102	0.0069	0.0034
84	0.0103	0.0069	0.0034
85	0.0103	0.0069	0.0034
86	0.0104	0.0070	0.0034
87	0.0104	0.0070	0.0034
88	0.0105	0.0070	0.0034
89	0.0105	0.0071	0.0035
90	0.0106	0.0071	0.0035
91	0.0106	0.0071	0.0035
92	0.0107	0.0072	0.0035
93	0.0108	0.0072	0.0035
94	0.0108	0.0072	0.0035
95	0.0109	0.0073	0.0036
96	0.0109	0.0073	0.0036
97	0.0110	0.0074	0.0036

98	0.0110	0.0074	0.0036
99	0.0111	0.0074	0.0037
100	0.0111	0.0075	0.0037
101	0.0112	0.0075	0.0037
102	0.0113	0.0076	0.0037
103	0.0114	0.0076	0.0037
104	0.0114	0.0076	0.0037
105	0.0115	0.0077	0.0038
106	0.0115	0.0077	0.0038
107	0.0116	0.0078	0.0038
108	0.0117	0.0078	0.0038
109	0.0118	0.0079	0.0039
110	0.0118	0.0079	0.0039
111	0.0119	0.0080	0.0039
112	0.0120	0.0080	0.0039
113	0.0121	0.0081	0.0040
114	0.0121	0.0081	0.0040
115	0.0122	0.0082	0.0040
116	0.0123	0.0082	0.0040
117	0.0124	0.0083	0.0041
118	0.0124	0.0084	0.0041
119	0.0126	0.0084	0.0041
120	0.0126	0.0085	0.0042
121	0.0127	0.0085	0.0042
122	0.0128	0.0086	0.0042
123	0.0129	0.0087	0.0043
124	0.0130	0.0087	0.0043
125	0.0131	0.0088	0.0043
126	0.0132	0.0089	0.0043
127	0.0133	0.0089	0.0044
128	0.0134	0.0090	0.0044
129	0.0135	0.0091	0.0045
130	0.0136	0.0091	0.0045
131	0.0138	0.0092	0.0045
132	0.0138	0.0093	0.0046
133	0.0140	0.0094	0.0046
134	0.0141	0.0094	0.0046
135	0.0142	0.0096	0.0047
136	0.0143	0.0096	0.0047
137	0.0145	0.0097	0.0048
138	0.0146	0.0098	0.0048
139	0.0148	0.0099	0.0049
140	0.0149	0.0100	0.0049
141	0.0151	0.0101	0.0050
142	0.0152	0.0102	0.0050
143	0.0154	0.0103	0.0051
144	0.0155	0.0104	0.0051
145	0.0167	0.0112	0.0055
146	0.0168	0.0113	0.0055
147	0.0170	0.0114	0.0056
148	0.0172	0.0115	0.0056
149	0.0174	0.0117	0.0057
150	0.0175	0.0118	0.0058
151	0.0178	0.0120	0.0059
152	0.0180	0.0120	0.0059
153	0.0182	0.0122	0.0060
154	0.0184	0.0123	0.0061
155	0.0187	0.0126	0.0062
156	0.0189	0.0127	0.0062
157	0.0192	0.0129	0.0063
158	0.0194	0.0130	0.0064
159	0.0197	0.0133	0.0065
160	0.0199	0.0134	0.0066
161	0.0203	0.0137	0.0067
162	0.0206	0.0138	0.0068
163	0.0210	0.0141	0.0069
164	0.0212	0.0142	0.0070
165	0.0217	0.0146	0.0071
166	0.0220	0.0147	0.0072
167	0.0225	0.0151	0.0074
168	0.0228	0.0153	0.0075
169	0.0234	0.0157	0.0077
170	0.0238	0.0159	0.0078

171	0.0245	0.0164	0.0080
172	0.0248	0.0167	0.0082
173	0.0256	0.0172	0.0084
174	0.0261	0.0175	0.0086
175	0.0270	0.0181	0.0089
176	0.0275	0.0185	0.0090
177	0.0286	0.0192	0.0094
178	0.0292	0.0196	0.0096
179	0.0306	0.0205	0.0101
180	0.0313	0.0210	0.0103
181	0.0330	0.0221	0.0109
182	0.0339	0.0228	0.0112
183	0.0361	0.0242	0.0119
184	0.0374	0.0251	0.0123
185	0.0314	0.0211	0.0103
186	0.0332	0.0223	0.0109
187	0.0377	0.0253	0.0124
188	0.0407	0.0273	0.0134
189	0.0490	0.0329	0.0161
190	0.0553	0.0371	0.0182
191	0.0791	0.0482	0.0309
192	0.1087	0.0482	0.0605
193	0.3403	0.0482	0.2921
194	0.0644	0.0432	0.0212
195	0.0443	0.0297	0.0146
196	0.0353	0.0237	0.0116
197	0.0388	0.0261	0.0128
198	0.0350	0.0235	0.0115
199	0.0321	0.0216	0.0106
200	0.0299	0.0200	0.0098
201	0.0280	0.0188	0.0092
202	0.0265	0.0178	0.0087
203	0.0252	0.0169	0.0083
204	0.0241	0.0162	0.0079
205	0.0231	0.0155	0.0076
206	0.0222	0.0149	0.0073
207	0.0215	0.0144	0.0071
208	0.0208	0.0139	0.0068
209	0.0201	0.0135	0.0066
210	0.0196	0.0131	0.0064
211	0.0190	0.0128	0.0063
212	0.0185	0.0124	0.0061
213	0.0181	0.0121	0.0060
214	0.0177	0.0119	0.0058
215	0.0173	0.0116	0.0057
216	0.0169	0.0114	0.0056
217	0.0156	0.0105	0.0051
218	0.0153	0.0103	0.0050
219	0.0150	0.0100	0.0049
220	0.0147	0.0099	0.0048
221	0.0144	0.0097	0.0047
222	0.0142	0.0095	0.0047
223	0.0139	0.0093	0.0046
224	0.0137	0.0092	0.0045
225	0.0135	0.0090	0.0044
226	0.0133	0.0089	0.0044
227	0.0131	0.0088	0.0043
228	0.0129	0.0086	0.0042
229	0.0127	0.0085	0.0042
230	0.0125	0.0084	0.0041
231	0.0123	0.0083	0.0041
232	0.0122	0.0082	0.0040
233	0.0120	0.0081	0.0040
234	0.0119	0.0080	0.0039
235	0.0117	0.0079	0.0039
236	0.0116	0.0078	0.0038
237	0.0114	0.0077	0.0038
238	0.0113	0.0076	0.0037
239	0.0112	0.0075	0.0037
240	0.0111	0.0074	0.0036
241	0.0109	0.0073	0.0036
242	0.0108	0.0073	0.0036
243	0.0107	0.0072	0.0035

244	0.0106	0.0071	0.0035
245	0.0105	0.0070	0.0035
246	0.0104	0.0070	0.0034
247	0.0103	0.0069	0.0034
248	0.0102	0.0068	0.0034
249	0.0101	0.0068	0.0033
250	0.0100	0.0067	0.0033
251	0.0099	0.0067	0.0033
252	0.0098	0.0066	0.0032
253	0.0098	0.0065	0.0032
254	0.0097	0.0065	0.0032
255	0.0096	0.0064	0.0032
256	0.0095	0.0064	0.0031
257	0.0094	0.0063	0.0031
258	0.0094	0.0063	0.0031
259	0.0093	0.0062	0.0031
260	0.0092	0.0062	0.0030
261	0.0092	0.0061	0.0030
262	0.0091	0.0061	0.0030
263	0.0090	0.0061	0.0030
264	0.0090	0.0060	0.0029
265	0.0089	0.0060	0.0029
266	0.0088	0.0059	0.0029
267	0.0088	0.0059	0.0029
268	0.0087	0.0058	0.0029
269	0.0086	0.0058	0.0028
270	0.0086	0.0058	0.0028
271	0.0085	0.0057	0.0028
272	0.0085	0.0057	0.0028
273	0.0084	0.0057	0.0028
274	0.0084	0.0056	0.0028
275	0.0083	0.0056	0.0027
276	0.0083	0.0055	0.0027
277	0.0082	0.0055	0.0027
278	0.0082	0.0055	0.0027
279	0.0081	0.0054	0.0027
280	0.0081	0.0054	0.0027
281	0.0080	0.0054	0.0026
282	0.0080	0.0054	0.0026
283	0.0079	0.0053	0.0026
284	0.0079	0.0053	0.0026
285	0.0078	0.0053	0.0026
286	0.0078	0.0052	0.0026
287	0.0078	0.0052	0.0026
288	0.0077	0.0052	0.0025

Total soil rain loss = 2.84(In)
Total effective rainfall = 1.71(In)
Peak flow rate in flood hydrograph = 21.53(CFS)

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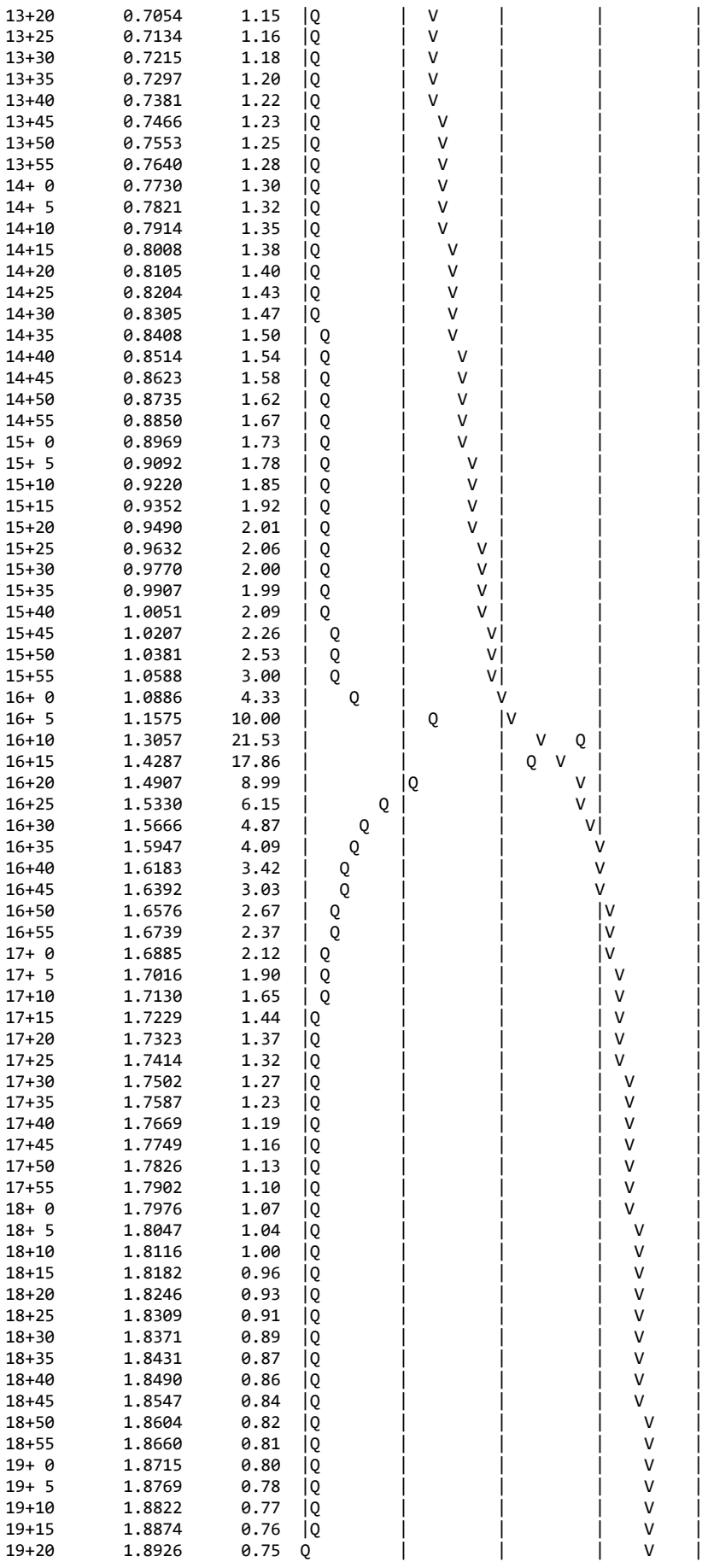
24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	7.5	15.0	22.5	30.0
0+ 5	0.0002	0.04	Q	|	|	|	|
0+10	0.0015	0.18	Q	|	|	|	|
0+15	0.0036	0.31	Q	|	|	|	|
0+20	0.0061	0.36	Q	|	|	|	|
0+25	0.0088	0.39	Q	|	|	|	|
0+30	0.0116	0.41	Q	|	|	|	|
0+35	0.0145	0.42	Q	|	|	|	|
0+40	0.0175	0.44	Q	|	|	|	|
0+45	0.0206	0.44	Q	|	|	|	|
0+50	0.0237	0.45	Q	|	|	|	|
0+55	0.0268	0.46	Q	|	|	|	|
1+ 0	0.0300	0.46	Q	|	|	|	|
1+ 5	0.0332	0.47	Q	|	|	|	|

1+10	0.0365	0.47	Q	|	|	|	|
1+15	0.0397	0.47	Q	|	|	|	|
1+20	0.0430	0.47	Q	|	|	|	|
1+25	0.0462	0.47	Q	|	|	|	|
1+30	0.0495	0.47	Q	|	|	|	|
1+35	0.0528	0.48	Q	|	|	|	|
1+40	0.0561	0.48	QV	|	|	|	|
1+45	0.0594	0.48	QV	|	|	|	|
1+50	0.0627	0.48	QV	|	|	|	|
1+55	0.0660	0.48	QV	|	|	|	|
2+ 0	0.0693	0.48	QV	|	|	|	|
2+ 5	0.0726	0.48	QV	|	|	|	|
2+10	0.0760	0.49	QV	|	|	|	|
2+15	0.0793	0.49	QV	|	|	|	|
2+20	0.0827	0.49	QV	|	|	|	|
2+25	0.0861	0.49	QV	|	|	|	|
2+30	0.0895	0.49	QV	|	|	|	|
2+35	0.0929	0.49	QV	|	|	|	|
2+40	0.0963	0.50	QV	|	|	|	|
2+45	0.0997	0.50	QV	|	|	|	|
2+50	0.1032	0.50	QV	|	|	|	|
2+55	0.1066	0.50	Q V	|	|	|	|
3+ 0	0.1100	0.50	Q V	|	|	|	|
3+ 5	0.1135	0.50	Q V	|	|	|	|
3+10	0.1170	0.50	Q V	|	|	|	|
3+15	0.1205	0.51	Q V	|	|	|	|
3+20	0.1240	0.51	Q V	|	|	|	|
3+25	0.1275	0.51	Q V	|	|	|	|
3+30	0.1310	0.51	Q V	|	|	|	|
3+35	0.1345	0.51	Q V	|	|	|	|
3+40	0.1381	0.52	Q V	|	|	|	|
3+45	0.1417	0.52	Q V	|	|	|	|
3+50	0.1452	0.52	Q V	|	|	|	|
3+55	0.1488	0.52	Q V	|	|	|	|
4+ 0	0.1524	0.52	Q V	|	|	|	|
4+ 5	0.1560	0.52	Q V	|	|	|	|
4+10	0.1596	0.53	Q V	|	|	|	|
4+15	0.1633	0.53	Q V	|	|	|	|
4+20	0.1669	0.53	Q V	|	|	|	|
4+25	0.1706	0.53	Q V	|	|	|	|
4+30	0.1743	0.53	Q V	|	|	|	|
4+35	0.1779	0.54	Q V	|	|	|	|
4+40	0.1816	0.54	Q V	|	|	|	|
4+45	0.1854	0.54	Q V	|	|	|	|
4+50	0.1891	0.54	Q V	|	|	|	|
4+55	0.1928	0.54	Q V	|	|	|	|
5+ 0	0.1966	0.55	Q V	|	|	|	|
5+ 5	0.2004	0.55	Q V	|	|	|	|
5+10	0.2041	0.55	Q V	|	|	|	|
5+15	0.2079	0.55	Q V	|	|	|	|
5+20	0.2118	0.55	Q V	|	|	|	|
5+25	0.2156	0.56	Q V	|	|	|	|
5+30	0.2194	0.56	Q V	|	|	|	|
5+35	0.2233	0.56	Q V	|	|	|	|
5+40	0.2272	0.56	Q V	|	|	|	|
5+45	0.2311	0.57	Q V	|	|	|	|
5+50	0.2350	0.57	Q V	|	|	|	|
5+55	0.2389	0.57	Q V	|	|	|	|
6+ 0	0.2428	0.57	Q V	|	|	|	|
6+ 5	0.2468	0.57	Q V	|	|	|	|
6+10	0.2508	0.58	Q V	|	|	|	|
6+15	0.2548	0.58	Q V	|	|	|	|
6+20	0.2588	0.58	Q V	|	|	|	|
6+25	0.2628	0.58	Q V	|	|	|	|
6+30	0.2668	0.59	Q V	|	|	|	|
6+35	0.2709	0.59	Q V	|	|	|	|
6+40	0.2750	0.59	Q V	|	|	|	|
6+45	0.2791	0.59	Q V	|	|	|	|
6+50	0.2832	0.60	Q V	|	|	|	|
6+55	0.2873	0.60	Q V	|	|	|	|
7+ 0	0.2915	0.60	Q V	|	|	|	|
7+ 5	0.2956	0.61	Q V	|	|	|	|
7+10	0.2998	0.61	Q V	|	|	|	|

```
 7+15       0.3040      0.61  Q    V    |         |         |         |
 7+20       0.3083      0.61  Q    V    |         |         |         |
 7+25       0.3125      0.62  Q    V    |         |         |         |
 7+30       0.3168      0.62  Q    V    |         |         |         |
 7+35       0.3211      0.62  Q     V   |         |         |         |
 7+40       0.3254      0.63  Q     V   |         |         |         |
 7+45       0.3297      0.63  Q     V   |         |         |         |
 7+50       0.3341      0.63  Q     V   |         |         |         |
 7+55       0.3385      0.64  Q     V   |         |         |         |
 8+ 0       0.3429      0.64  Q     V   |         |         |         |
 8+ 5       0.3473      0.64  Q     V   |         |         |         |
 8+10       0.3518      0.65  Q     V   |         |         |         |
 8+15       0.3562      0.65  Q     V   |         |         |         |
 8+20       0.3607      0.65  Q     V   |         |         |         |
 8+25       0.3653      0.66  Q     V   |         |         |         |
 8+30       0.3698      0.66  Q     V   |         |         |         |
 8+35       0.3744      0.66  Q      V  |         |         |         |
 8+40       0.3790      0.67  Q      V  |         |         |         |
 8+45       0.3836      0.67  Q      V  |         |         |         |
 8+50       0.3883      0.68  Q      V  |         |         |         |
 8+55       0.3929      0.68  Q      V  |         |         |         |
 9+ 0       0.3976      0.68  Q      V  |         |         |         |
 9+ 5       0.4024      0.69  Q      V  |         |         |         |
 9+10       0.4071      0.69  Q      V  |         |         |         |
 9+15       0.4119      0.70  Q      V  |         |         |         |
 9+20       0.4168      0.70  Q      V  |         |         |         |
 9+25       0.4216      0.70  Q      V  |         |         |         |
 9+30       0.4265      0.71  Q       V |         |         |         |
 9+35       0.4314      0.71  Q       V |         |         |         |
 9+40       0.4363      0.72  Q       V |         |         |         |
 9+45       0.4413      0.72  Q       V |         |         |         |
 9+50       0.4463      0.73  Q       V |         |         |         |
 9+55       0.4514      0.73  Q       V |         |         |         |
10+ 0       0.4564      0.74  Q       V |         |         |         |
10+ 5       0.4616      0.74  Q       V |         |         |         |
10+10       0.4667      0.75  Q       V |         |         |         |
10+15       0.4719      0.75  |Q      V |         |         |         |
10+20       0.4771      0.76  |Q      V |         |         |         |
10+25       0.4824      0.76  |Q       V|         |         |         |
10+30       0.4877      0.77  |Q       V|         |         |         |
10+35       0.4930      0.78  |Q       V|         |         |         |
10+40       0.4984      0.78  |Q       V|         |         |         |
10+45       0.5038      0.79  |Q       V|         |         |         |
10+50       0.5093      0.79  |Q       V|         |         |         |
10+55       0.5148      0.80  |Q       V|         |         |         |
11+ 0       0.5203      0.81  |Q       V|         |         |         |
11+ 5       0.5259      0.81  |Q       V|         |         |         |
11+10       0.5316      0.82  |Q        V         |         |         |
11+15       0.5373      0.83  |Q        V         |         |         |
11+20       0.5430      0.83  |Q        V         |         |         |
11+25       0.5488      0.84  |Q        V         |         |         |
11+30       0.5546      0.85  |Q        V         |         |         |
11+35       0.5605      0.86  |Q        V         |         |         |
11+40       0.5665      0.86  |Q        V         |         |         |
11+45       0.5725      0.87  |Q        V         |         |         |
11+50       0.5786      0.88  |Q        V         |         |         |
11+55       0.5847      0.89  |Q        |V        |         |         |
12+ 0       0.5909      0.90  |Q        |V        |         |         |
12+ 5       0.5972      0.91  |Q        |V        |         |         |
12+10       0.6036      0.94  |Q        |V        |         |         |
12+15       0.6103      0.97  |Q        |V        |         |         |
12+20       0.6170      0.98  |Q        |V        |         |         |
12+25       0.6239      1.00  |Q        |V        |         |         |
12+30       0.6308      1.01  |Q        |V        |         |         |
12+35       0.6379      1.02  |Q        | V       |         |         |
12+40       0.6450      1.03  |Q        | V       |         |         |
12+45       0.6522      1.05  |Q        | V       |         |         |
12+50       0.6595      1.06  |Q        | V       |         |         |
12+55       0.6669      1.07  |Q        | V       |         |         |
13+ 0       0.6744      1.09  |Q        | V       |         |         |
13+ 5       0.6820      1.10  |Q        | V       |         |         |
13+10       0.6897      1.12  |Q        |  V      |         |         |
13+15       0.6975      1.13  |Q        |  V      |         |         |
```



```
  19+25       1.8977      0.74  Q         |         |         |    V    |
  19+30       1.9027      0.73  Q         |         |         |    V    |
  19+35       1.9077      0.72  Q         |         |         |    V    |
  19+40       1.9126      0.71  Q         |         |         |     V   |
  19+45       1.9174      0.70  Q         |         |         |     V   |
  19+50       1.9222      0.69  Q         |         |         |     V   |
  19+55       1.9269      0.68  Q         |         |         |     V   |
  20+ 0       1.9315      0.68  Q         |         |         |     V   |
  20+ 5       1.9361      0.67  Q         |         |         |     V   |
  20+10       1.9407      0.66  Q         |         |         |     V   |
  20+15       1.9452      0.65  Q         |         |         |     V   |
  20+20       1.9497      0.65  Q         |         |         |     V   |
  20+25       1.9541      0.64  Q         |         |         |     V   |
  20+30       1.9584      0.63  Q         |         |         |     V   |
  20+35       1.9628      0.63  Q         |         |         |      V  |
  20+40       1.9670      0.62  Q         |         |         |      V  |
  20+45       1.9713      0.62  Q         |         |         |      V  |
  20+50       1.9755      0.61  Q         |         |         |      V  |
  20+55       1.9796      0.60  Q         |         |         |      V  |
  21+ 0       1.9838      0.60  Q         |         |         |      V  |
  21+ 5       1.9878      0.59  Q         |         |         |      V  |
  21+10       1.9919      0.59  Q         |         |         |      V  |
  21+15       1.9959      0.58  Q         |         |         |      V  |
  21+20       1.9999      0.58  Q         |         |         |      V  |
  21+25       2.0038      0.57  Q         |         |         |      V  |
  21+30       2.0077      0.57  Q         |         |         |      V  |
  21+35       2.0116      0.56  Q         |         |         |      V  |
  21+40       2.0155      0.56  Q         |         |         |       V |
  21+45       2.0193      0.55  Q         |         |         |       V |
  21+50       2.0231      0.55  Q         |         |         |       V |
  21+55       2.0268      0.55  Q         |         |         |       V |
  22+ 0       2.0306      0.54  Q         |         |         |       V |
  22+ 5       2.0343      0.54  Q         |         |         |       V |
  22+10       2.0380      0.53  Q         |         |         |       V |
  22+15       2.0416      0.53  Q         |         |         |       V |
  22+20       2.0452      0.53  Q         |         |         |       V |
  22+25       2.0488      0.52  Q         |         |         |       V |
  22+30       2.0524      0.52  Q         |         |         |       V |
  22+35       2.0560      0.52  Q         |         |         |       V |
  22+40       2.0595      0.51  Q         |         |         |       V |
  22+45       2.0630      0.51  Q         |         |         |       V |
  22+50       2.0665      0.51  Q         |         |         |       V |
  22+55       2.0699      0.50  Q         |         |         |        V|
  23+ 0       2.0734      0.50  Q         |         |         |        V|
  23+ 5       2.0768      0.50  Q         |         |         |        V|
  23+10       2.0802      0.49  Q         |         |         |        V|
  23+15       2.0835      0.49  Q         |         |         |        V|
  23+20       2.0869      0.49  Q         |         |         |        V|
  23+25       2.0902      0.48  Q         |         |         |        V|
  23+30       2.0935      0.48  Q         |         |         |        V|
  23+35       2.0968      0.48  Q         |         |         |        V|
  23+40       2.1001      0.48  Q         |         |         |        V|
  23+45       2.1033      0.47  Q         |         |         |        V|
  23+50       2.1066      0.47  Q         |         |         |        V|
  23+55       2.1098      0.47  Q         |         |         |        V|
  24+ 0       2.1130      0.46  Q         |         |         |        V|
  24+ 5       2.1159      0.43  Q         |         |         |        V|
  24+10       2.1178      0.28  Q         |         |         |        V|
  24+15       2.1189      0.15  Q         |         |         |        V|
  24+20       2.1196      0.10  Q         |         |         |        V|
  24+25       2.1201      0.07  Q         |         |         |        V|
  24+30       2.1204      0.05  Q         |         |         |        V|
  24+35       2.1207      0.04  Q         |         |         |        V|
  24+40       2.1208      0.03  Q         |         |         |        V|
  24+45       2.1210      0.02  Q         |         |         |        V|
  24+50       2.1211      0.01  Q         |         |         |        V|
  24+55       2.1211      0.01  Q         |         |         |        V|
  25+ 0       2.1211      0.00  Q         |         |         |        V|
  25+ 5       2.1212      0.00  Q         |         |         |         V
-------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 08/02/23

++

San Bernardino County Synthetic Unit Hydrology Method
Manual date - August 1986

Program License Serial Number 6481

Pre-Development Condition
Unit Hydragh Method
Drainag Management Area A3
10-Year, 24-Hour Storm

Storm Event Year = 10

Antecedent Moisture Condition = 2

English (in-lb) Input Units Used

English Rainfall Data (Inches) Input Values Used

English Units used in output format

Area averaged rainfall intensity isohyetal data:

Sub-Area (Ac.)	Duration (hours)	Isohyetal (In)
Rainfall data for year 10		
0.39	1	0.92
Rainfall data for year 10		
0.39	6	2.32
Rainfall data for year 10		
0.39	24	4.55

++

******** Area-averaged max loss rate, Fm ********

SCS curve No.(AMCII)	SCS curve NO.(AMC 2)	Area (Ac.)	Area Fraction	Fp(Fig C6) (In/Hr)	Ap (dec.)	Fm (In/Hr)
67.0	67.0	0.39	1.000	0.578	1.000	0.578

Area-averaged adjusted loss rate Fm (In/Hr) = 0.578

********* Area-Averaged low loss rate fraction, Yb **********

Area (Ac.)	Area Fract	SCS CN (AMC2)	SCS CN (AMC2)	S	Pervious Yield Fr
0.39	1.000	67.0	67.0	4.93	0.329

Area-averaged catchment yield fraction, Y = 0.329
Area-averaged low loss fraction, Yb = 0.671
User entry of time of concentration = 0.265 (hours)

++
Watershed area = 0.39(Ac.)
Catchment Lag time = 0.212 hours
Unit interval = 5.000 minutes

Unit interval percentage of lag time = 39.3082
Hydrograph baseflow = 0.00(CFS)
Average maximum watershed loss rate(Fm) = 0.578(In/Hr)
Average low loss rate fraction (Yb) = 0.671 (decimal)
VALLEY UNDEVELOPED S-Graph Selected
Computed peak 5-minute rainfall = 0.340(In)
Computed peak 30-minute rainfall = 0.697(In)
Specified peak 1-hour rainfall = 0.920(In)
Computed peak 3-hour rainfall = 1.622(In)
Specified peak 6-hour rainfall = 2.320(In)
Specified peak 24-hour rainfall = 4.550(In)

Rainfall depth area reduction factors:
Using a total area of 0.39(Ac.) (Ref: fig. E-4)

5-minute factor = 1.000 Adjusted rainfall = 0.340(In)
30-minute factor = 1.000 Adjusted rainfall = 0.697(In)
1-hour factor = 1.000 Adjusted rainfall = 0.920(In)
3-hour factor = 1.000 Adjusted rainfall = 1.622(In)
6-hour factor = 1.000 Adjusted rainfall = 2.320(In)
24-hour factor = 1.000 Adjusted rainfall = 4.550(In)

U n i t H y d r o g r a p h

Interval Number	'S' Graph Mean values	Unit Hydrograph ((CFS))
	(K = 4.72 (CFS))	
1	4.244	0.200
2	21.589	0.818
3	47.952	1.243
4	65.737	0.839
5	74.463	0.412
6	79.909	0.257
7	83.954	0.191
8	87.094	0.148
9	89.544	0.116
10	91.531	0.094
11	93.100	0.074
12	94.353	0.059
13	95.528	0.055
14	96.475	0.045
15	97.259	0.037
16	97.924	0.031
17	98.463	0.025
18	98.879	0.020
19	99.272	0.019
20	99.665	0.019
21	100.000	0.016

Peak Unit Number	Adjusted mass rainfall (In)	Unit rainfall (In)
1	0.3405	0.3405
2	0.4493	0.1088
3	0.5284	0.0791
4	0.5928	0.0644
5	0.6482	0.0553
6	0.6972	0.0490
7	0.7416	0.0443
8	0.7822	0.0407
9	0.8200	0.0377
10	0.8553	0.0353
11	0.8885	0.0332
12	0.9200	0.0315
13	0.9588	0.0388
14	0.9962	0.0374
15	1.0323	0.0361
16	1.0673	0.0350
17	1.1012	0.0339
18	1.1342	0.0330

19	1.1663	0.0321
20	1.1976	0.0313
21	1.2281	0.0305
22	1.2580	0.0299
23	1.2872	0.0292
24	1.3158	0.0286
25	1.3438	0.0280
26	1.3713	0.0275
27	1.3983	0.0270
28	1.4248	0.0265
29	1.4508	0.0260
30	1.4764	0.0256
31	1.5016	0.0252
32	1.5264	0.0248
33	1.5509	0.0244
34	1.5750	0.0241
35	1.5987	0.0237
36	1.6221	0.0234
37	1.6452	0.0231
38	1.6681	0.0228
39	1.6906	0.0225
40	1.7128	0.0222
41	1.7348	0.0220
42	1.7565	0.0217
43	1.7780	0.0215
44	1.7992	0.0212
45	1.8202	0.0210
46	1.8410	0.0208
47	1.8615	0.0206
48	1.8818	0.0203
49	1.9020	0.0201
50	1.9219	0.0199
51	1.9417	0.0197
52	1.9612	0.0196
53	1.9806	0.0194
54	1.9998	0.0192
55	2.0189	0.0190
56	2.0377	0.0189
57	2.0564	0.0187
58	2.0750	0.0185
59	2.0934	0.0184
60	2.1116	0.0182
61	2.1297	0.0181
62	2.1476	0.0180
63	2.1655	0.0178
64	2.1831	0.0177
65	2.2007	0.0175
66	2.2181	0.0174
67	2.2354	0.0173
68	2.2525	0.0172
69	2.2696	0.0170
70	2.2865	0.0169
71	2.3033	0.0168
72	2.3200	0.0167
73	2.3356	0.0156
74	2.3511	0.0155
75	2.3665	0.0154
76	2.3818	0.0153
77	2.3969	0.0152
78	2.4120	0.0151
79	2.4270	0.0150
80	2.4419	0.0149
81	2.4566	0.0148
82	2.4713	0.0147
83	2.4859	0.0146
84	2.5004	0.0145
85	2.5149	0.0144
86	2.5292	0.0143
87	2.5434	0.0142
88	2.5576	0.0142
89	2.5717	0.0141
90	2.5857	0.0140
91	2.5996	0.0139

92	2.6134	0.0138
93	2.6272	0.0138
94	2.6409	0.0137
95	2.6545	0.0136
96	2.6680	0.0135
97	2.6815	0.0135
98	2.6949	0.0134
99	2.7082	0.0133
100	2.7215	0.0133
101	2.7347	0.0132
102	2.7478	0.0131
103	2.7608	0.0131
104	2.7738	0.0130
105	2.7868	0.0129
106	2.7996	0.0129
107	2.8124	0.0128
108	2.8252	0.0127
109	2.8379	0.0127
110	2.8505	0.0126
111	2.8630	0.0126
112	2.8755	0.0125
113	2.8880	0.0124
114	2.9004	0.0124
115	2.9127	0.0123
116	2.9250	0.0123
117	2.9372	0.0122
118	2.9494	0.0122
119	2.9615	0.0121
120	2.9736	0.0121
121	2.9856	0.0120
122	2.9975	0.0120
123	3.0095	0.0119
124	3.0213	0.0119
125	3.0331	0.0118
126	3.0449	0.0118
127	3.0566	0.0117
128	3.0683	0.0117
129	3.0799	0.0116
130	3.0915	0.0116
131	3.1030	0.0115
132	3.1145	0.0115
133	3.1259	0.0114
134	3.1373	0.0114
135	3.1487	0.0114
136	3.1600	0.0113
137	3.1713	0.0113
138	3.1825	0.0112
139	3.1937	0.0112
140	3.2048	0.0111
141	3.2159	0.0111
142	3.2270	0.0111
143	3.2380	0.0110
144	3.2490	0.0110
145	3.2599	0.0109
146	3.2708	0.0109
147	3.2817	0.0109
148	3.2925	0.0108
149	3.3033	0.0108
150	3.3141	0.0108
151	3.3248	0.0107
152	3.3355	0.0107
153	3.3461	0.0106
154	3.3567	0.0106
155	3.3673	0.0106
156	3.3778	0.0105
157	3.3883	0.0105
158	3.3988	0.0105
159	3.4092	0.0104
160	3.4196	0.0104
161	3.4300	0.0104
162	3.4404	0.0103
163	3.4507	0.0103
164	3.4609	0.0103

165	3.4712	0.0102
166	3.4814	0.0102
167	3.4915	0.0102
168	3.5017	0.0101
169	3.5118	0.0101
170	3.5219	0.0101
171	3.5319	0.0101
172	3.5419	0.0100
173	3.5519	0.0100
174	3.5619	0.0100
175	3.5718	0.0099
176	3.5817	0.0099
177	3.5916	0.0099
178	3.6015	0.0098
179	3.6113	0.0098
180	3.6211	0.0098
181	3.6308	0.0098
182	3.6405	0.0097
183	3.6503	0.0097
184	3.6599	0.0097
185	3.6696	0.0097
186	3.6792	0.0096
187	3.6888	0.0096
188	3.6984	0.0096
189	3.7079	0.0095
190	3.7174	0.0095
191	3.7269	0.0095
192	3.7364	0.0095
193	3.7458	0.0094
194	3.7553	0.0094
195	3.7647	0.0094
196	3.7740	0.0094
197	3.7834	0.0093
198	3.7927	0.0093
199	3.8020	0.0093
200	3.8112	0.0093
201	3.8205	0.0092
202	3.8297	0.0092
203	3.8389	0.0092
204	3.8481	0.0092
205	3.8573	0.0092
206	3.8664	0.0091
207	3.8755	0.0091
208	3.8846	0.0091
209	3.8936	0.0091
210	3.9027	0.0090
211	3.9117	0.0090
212	3.9207	0.0090
213	3.9297	0.0090
214	3.9386	0.0090
215	3.9476	0.0089
216	3.9565	0.0089
217	3.9654	0.0089
218	3.9742	0.0089
219	3.9831	0.0088
220	3.9919	0.0088
221	4.0007	0.0088
222	4.0095	0.0088
223	4.0182	0.0088
224	4.0270	0.0087
225	4.0357	0.0087
226	4.0444	0.0087
227	4.0531	0.0087
228	4.0618	0.0087
229	4.0704	0.0086
230	4.0790	0.0086
231	4.0877	0.0086
232	4.0962	0.0086
233	4.1048	0.0086
234	4.1134	0.0086
235	4.1219	0.0085
236	4.1304	0.0085
237	4.1389	0.0085

238	4.1474	0.0085
239	4.1558	0.0085
240	4.1643	0.0084
241	4.1727	0.0084
242	4.1811	0.0084
243	4.1895	0.0084
244	4.1979	0.0084
245	4.2062	0.0084
246	4.2145	0.0083
247	4.2229	0.0083
248	4.2311	0.0083
249	4.2394	0.0083
250	4.2477	0.0083
251	4.2559	0.0082
252	4.2642	0.0082
253	4.2724	0.0082
254	4.2806	0.0082
255	4.2888	0.0082
256	4.2969	0.0082
257	4.3051	0.0081
258	4.3132	0.0081
259	4.3213	0.0081
260	4.3294	0.0081
261	4.3375	0.0081
262	4.3456	0.0081
263	4.3536	0.0081
264	4.3616	0.0080
265	4.3697	0.0080
266	4.3777	0.0080
267	4.3857	0.0080
268	4.3936	0.0080
269	4.4016	0.0080
270	4.4095	0.0079
271	4.4175	0.0079
272	4.4254	0.0079
273	4.4333	0.0079
274	4.4412	0.0079
275	4.4490	0.0079
276	4.4569	0.0079
277	4.4647	0.0078
278	4.4725	0.0078
279	4.4803	0.0078
280	4.4881	0.0078
281	4.4959	0.0078
282	4.5037	0.0078
283	4.5114	0.0078
284	4.5192	0.0077
285	4.5269	0.0077
286	4.5346	0.0077
287	4.5423	0.0077
288	4.5500	0.0077

Unit Period (number)	Unit Rainfall (In)	Unit Soil-Loss (In)	Effective Rainfall (In)
1	0.0077	0.0052	0.0025
2	0.0077	0.0052	0.0025
3	0.0077	0.0052	0.0025
4	0.0077	0.0052	0.0025
5	0.0078	0.0052	0.0026
6	0.0078	0.0052	0.0026
7	0.0078	0.0052	0.0026
8	0.0078	0.0053	0.0026
9	0.0079	0.0053	0.0026
10	0.0079	0.0053	0.0026
11	0.0079	0.0053	0.0026
12	0.0079	0.0053	0.0026
13	0.0079	0.0053	0.0026
14	0.0080	0.0053	0.0026
15	0.0080	0.0054	0.0026
16	0.0080	0.0054	0.0026
17	0.0080	0.0054	0.0026

18	0.0081	0.0054	0.0026
19	0.0081	0.0054	0.0027
20	0.0081	0.0054	0.0027
21	0.0081	0.0055	0.0027
22	0.0081	0.0055	0.0027
23	0.0082	0.0055	0.0027
24	0.0082	0.0055	0.0027
25	0.0082	0.0055	0.0027
26	0.0082	0.0055	0.0027
27	0.0083	0.0056	0.0027
28	0.0083	0.0056	0.0027
29	0.0083	0.0056	0.0027
30	0.0084	0.0056	0.0027
31	0.0084	0.0056	0.0028
32	0.0084	0.0056	0.0028
33	0.0084	0.0057	0.0028
34	0.0085	0.0057	0.0028
35	0.0085	0.0057	0.0028
36	0.0085	0.0057	0.0028
37	0.0086	0.0057	0.0028
38	0.0086	0.0058	0.0028
39	0.0086	0.0058	0.0028
40	0.0086	0.0058	0.0028
41	0.0087	0.0058	0.0029
42	0.0087	0.0058	0.0029
43	0.0087	0.0059	0.0029
44	0.0087	0.0059	0.0029
45	0.0088	0.0059	0.0029
46	0.0088	0.0059	0.0029
47	0.0088	0.0059	0.0029
48	0.0089	0.0060	0.0029
49	0.0089	0.0060	0.0029
50	0.0089	0.0060	0.0029
51	0.0090	0.0060	0.0030
52	0.0090	0.0060	0.0030
53	0.0090	0.0061	0.0030
54	0.0091	0.0061	0.0030
55	0.0091	0.0061	0.0030
56	0.0091	0.0061	0.0030
57	0.0092	0.0062	0.0030
58	0.0092	0.0062	0.0030
59	0.0092	0.0062	0.0030
60	0.0093	0.0062	0.0030
61	0.0093	0.0063	0.0031
62	0.0093	0.0063	0.0031
63	0.0094	0.0063	0.0031
64	0.0094	0.0063	0.0031
65	0.0095	0.0064	0.0031
66	0.0095	0.0064	0.0031
67	0.0095	0.0064	0.0031
68	0.0096	0.0064	0.0031
69	0.0096	0.0065	0.0032
70	0.0097	0.0065	0.0032
71	0.0097	0.0065	0.0032
72	0.0097	0.0065	0.0032
73	0.0098	0.0066	0.0032
74	0.0098	0.0066	0.0032
75	0.0099	0.0066	0.0032
76	0.0099	0.0066	0.0033
77	0.0100	0.0067	0.0033
78	0.0100	0.0067	0.0033
79	0.0101	0.0067	0.0033
80	0.0101	0.0068	0.0033
81	0.0101	0.0068	0.0033
82	0.0102	0.0068	0.0033
83	0.0102	0.0069	0.0034
84	0.0103	0.0069	0.0034
85	0.0103	0.0069	0.0034
86	0.0104	0.0070	0.0034
87	0.0104	0.0070	0.0034
88	0.0105	0.0070	0.0034
89	0.0105	0.0071	0.0035
90	0.0106	0.0071	0.0035

91	0.0106	0.0071	0.0035
92	0.0107	0.0072	0.0035
93	0.0108	0.0072	0.0035
94	0.0108	0.0072	0.0035
95	0.0109	0.0073	0.0036
96	0.0109	0.0073	0.0036
97	0.0110	0.0074	0.0036
98	0.0110	0.0074	0.0036
99	0.0111	0.0074	0.0037
100	0.0111	0.0075	0.0037
101	0.0112	0.0075	0.0037
102	0.0113	0.0076	0.0037
103	0.0114	0.0076	0.0037
104	0.0114	0.0076	0.0037
105	0.0115	0.0077	0.0038
106	0.0115	0.0077	0.0038
107	0.0116	0.0078	0.0038
108	0.0117	0.0078	0.0038
109	0.0118	0.0079	0.0039
110	0.0118	0.0079	0.0039
111	0.0119	0.0080	0.0039
112	0.0120	0.0080	0.0039
113	0.0121	0.0081	0.0040
114	0.0121	0.0081	0.0040
115	0.0122	0.0082	0.0040
116	0.0123	0.0082	0.0040
117	0.0124	0.0083	0.0041
118	0.0124	0.0084	0.0041
119	0.0126	0.0084	0.0041
120	0.0126	0.0085	0.0042
121	0.0127	0.0085	0.0042
122	0.0128	0.0086	0.0042
123	0.0129	0.0087	0.0043
124	0.0130	0.0087	0.0043
125	0.0131	0.0088	0.0043
126	0.0132	0.0089	0.0043
127	0.0133	0.0089	0.0044
128	0.0134	0.0090	0.0044
129	0.0135	0.0091	0.0045
130	0.0136	0.0091	0.0045
131	0.0138	0.0092	0.0045
132	0.0138	0.0093	0.0046
133	0.0140	0.0094	0.0046
134	0.0141	0.0094	0.0046
135	0.0142	0.0096	0.0047
136	0.0143	0.0096	0.0047
137	0.0145	0.0097	0.0048
138	0.0146	0.0098	0.0048
139	0.0148	0.0099	0.0049
140	0.0149	0.0100	0.0049
141	0.0151	0.0101	0.0050
142	0.0152	0.0102	0.0050
143	0.0154	0.0103	0.0051
144	0.0155	0.0104	0.0051
145	0.0167	0.0112	0.0055
146	0.0168	0.0113	0.0055
147	0.0170	0.0114	0.0056
148	0.0172	0.0115	0.0056
149	0.0174	0.0117	0.0057
150	0.0175	0.0118	0.0058
151	0.0178	0.0120	0.0059
152	0.0180	0.0120	0.0059
153	0.0182	0.0122	0.0060
154	0.0184	0.0123	0.0061
155	0.0187	0.0126	0.0062
156	0.0189	0.0127	0.0062
157	0.0192	0.0129	0.0063
158	0.0194	0.0130	0.0064
159	0.0197	0.0133	0.0065
160	0.0199	0.0134	0.0066
161	0.0203	0.0136	0.0067
162	0.0206	0.0138	0.0068
163	0.0210	0.0141	0.0069

164	0.0212	0.0142	0.0070
165	0.0217	0.0146	0.0071
166	0.0220	0.0147	0.0072
167	0.0225	0.0151	0.0074
168	0.0228	0.0153	0.0075
169	0.0234	0.0157	0.0077
170	0.0237	0.0159	0.0078
171	0.0244	0.0164	0.0080
172	0.0248	0.0167	0.0082
173	0.0256	0.0172	0.0084
174	0.0260	0.0175	0.0086
175	0.0270	0.0181	0.0089
176	0.0275	0.0184	0.0090
177	0.0286	0.0192	0.0094
178	0.0292	0.0196	0.0096
179	0.0305	0.0205	0.0100
180	0.0313	0.0210	0.0103
181	0.0330	0.0221	0.0108
182	0.0339	0.0228	0.0112
183	0.0361	0.0242	0.0119
184	0.0374	0.0251	0.0123
185	0.0315	0.0211	0.0104
186	0.0332	0.0223	0.0109
187	0.0377	0.0253	0.0124
188	0.0407	0.0273	0.0134
189	0.0490	0.0329	0.0161
190	0.0553	0.0371	0.0182
191	0.0791	0.0482	0.0309
192	0.1088	0.0482	0.0606
193	0.3405	0.0482	0.2923
194	0.0644	0.0432	0.0212
195	0.0443	0.0298	0.0146
196	0.0353	0.0237	0.0116
197	0.0388	0.0260	0.0128
198	0.0350	0.0235	0.0115
199	0.0321	0.0215	0.0106
200	0.0299	0.0200	0.0098
201	0.0280	0.0188	0.0092
202	0.0265	0.0178	0.0087
203	0.0252	0.0169	0.0083
204	0.0241	0.0162	0.0079
205	0.0231	0.0155	0.0076
206	0.0222	0.0149	0.0073
207	0.0215	0.0144	0.0071
208	0.0208	0.0139	0.0068
209	0.0201	0.0135	0.0066
210	0.0196	0.0131	0.0064
211	0.0190	0.0128	0.0063
212	0.0185	0.0124	0.0061
213	0.0181	0.0121	0.0060
214	0.0177	0.0119	0.0058
215	0.0173	0.0116	0.0057
216	0.0169	0.0114	0.0056
217	0.0156	0.0105	0.0051
218	0.0153	0.0103	0.0050
219	0.0150	0.0100	0.0049
220	0.0147	0.0099	0.0048
221	0.0144	0.0097	0.0047
222	0.0142	0.0095	0.0047
223	0.0139	0.0093	0.0046
224	0.0137	0.0092	0.0045
225	0.0135	0.0090	0.0044
226	0.0133	0.0089	0.0044
227	0.0131	0.0088	0.0043
228	0.0129	0.0086	0.0042
229	0.0127	0.0085	0.0042
230	0.0125	0.0084	0.0041
231	0.0123	0.0083	0.0041
232	0.0122	0.0082	0.0040
233	0.0120	0.0081	0.0040
234	0.0119	0.0080	0.0039
235	0.0117	0.0079	0.0039
236	0.0116	0.0078	0.0038

237	0.0114	0.0077	0.0038
238	0.0113	0.0076	0.0037
239	0.0112	0.0075	0.0037
240	0.0111	0.0074	0.0036
241	0.0109	0.0073	0.0036
242	0.0108	0.0073	0.0036
243	0.0107	0.0072	0.0035
244	0.0106	0.0071	0.0035
245	0.0105	0.0070	0.0035
246	0.0104	0.0070	0.0034
247	0.0103	0.0069	0.0034
248	0.0102	0.0068	0.0034
249	0.0101	0.0068	0.0033
250	0.0100	0.0067	0.0033
251	0.0099	0.0067	0.0033
252	0.0098	0.0066	0.0032
253	0.0098	0.0065	0.0032
254	0.0097	0.0065	0.0032
255	0.0096	0.0064	0.0032
256	0.0095	0.0064	0.0031
257	0.0094	0.0063	0.0031
258	0.0094	0.0063	0.0031
259	0.0093	0.0062	0.0031
260	0.0092	0.0062	0.0030
261	0.0092	0.0061	0.0030
262	0.0091	0.0061	0.0030
263	0.0090	0.0061	0.0030
264	0.0090	0.0060	0.0029
265	0.0089	0.0060	0.0029
266	0.0088	0.0059	0.0029
267	0.0088	0.0059	0.0029
268	0.0087	0.0058	0.0029
269	0.0086	0.0058	0.0028
270	0.0086	0.0058	0.0028
271	0.0085	0.0057	0.0028
272	0.0085	0.0057	0.0028
273	0.0084	0.0057	0.0028
274	0.0084	0.0056	0.0028
275	0.0083	0.0056	0.0027
276	0.0083	0.0055	0.0027
277	0.0082	0.0055	0.0027
278	0.0082	0.0055	0.0027
279	0.0081	0.0054	0.0027
280	0.0081	0.0054	0.0027
281	0.0080	0.0054	0.0026
282	0.0080	0.0054	0.0026
283	0.0079	0.0053	0.0026
284	0.0079	0.0053	0.0026
285	0.0078	0.0053	0.0026
286	0.0078	0.0052	0.0026
287	0.0078	0.0052	0.0026
288	0.0077	0.0052	0.0025

Total soil rain loss = 2.84(In)
Total effective rainfall = 1.71(In)
Peak flow rate in flood hydrograph = 0.46(CFS)

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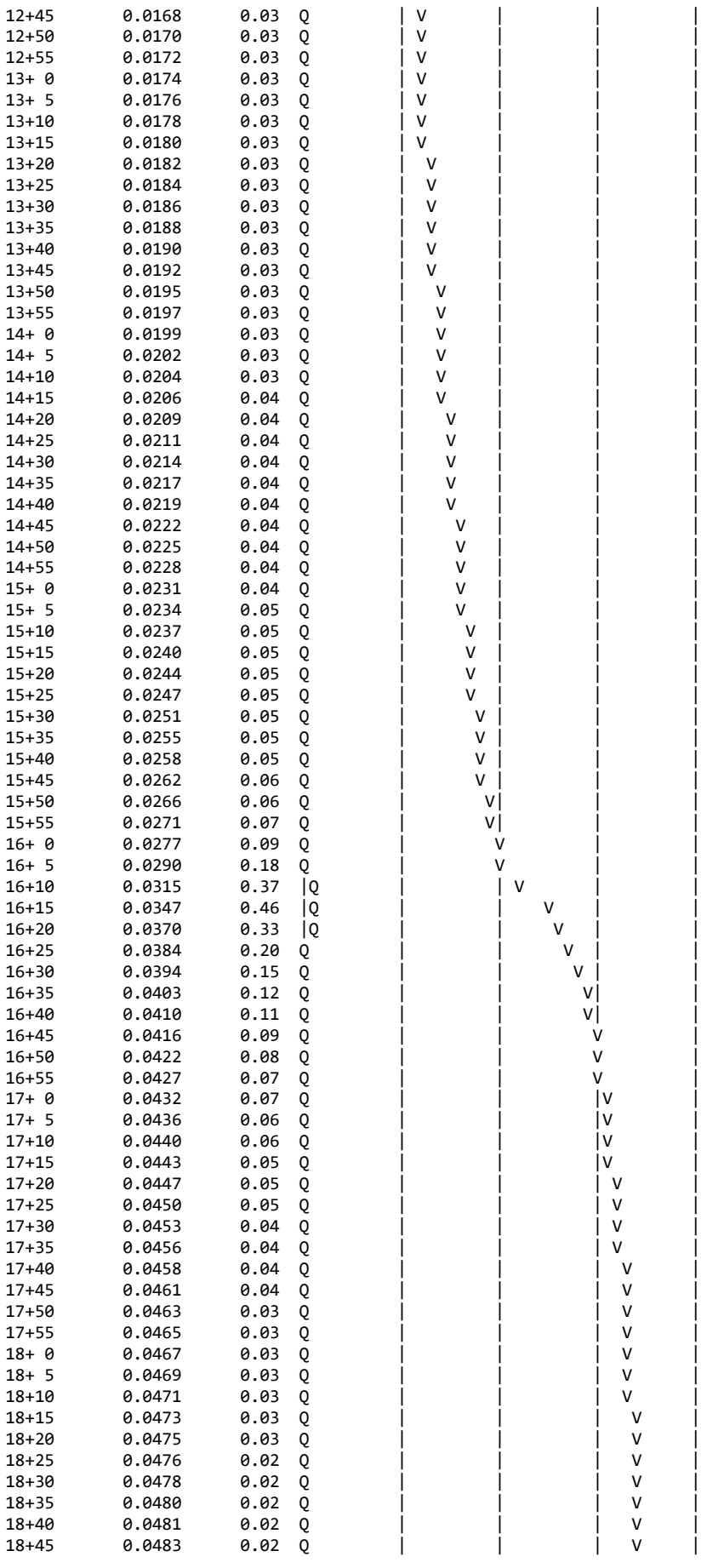
24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0000	0.00	Q	|	|	|	|
0+10	0.0000	0.00	Q	|	|	|	|
0+15	0.0001	0.01	Q	|	|	|	|
0+20	0.0001	0.01	Q	|	|	|	|
0+25	0.0002	0.01	Q	|	|	|	|
0+30	0.0002	0.01	Q	|	|	|	|

0+35	0.0003	0.01	Q	|	|	|	|
0+40	0.0004	0.01	Q	|	|	|	|
0+45	0.0005	0.01	Q	|	|	|	|
0+50	0.0005	0.01	Q	|	|	|	|
0+55	0.0006	0.01	Q	|	|	|	|
1+ 0	0.0007	0.01	Q	|	|	|	|
1+ 5	0.0008	0.01	Q	|	|	|	|
1+10	0.0009	0.01	Q	|	|	|	|
1+15	0.0009	0.01	Q	|	|	|	|
1+20	0.0010	0.01	Q	|	|	|	|
1+25	0.0011	0.01	Q	|	|	|	|
1+30	0.0012	0.01	Q	|	|	|	|
1+35	0.0013	0.01	Q	|	|	|	|
1+40	0.0014	0.01	Q	|	|	|	|
1+45	0.0014	0.01	QV	|	|	|	|
1+50	0.0015	0.01	QV	|	|	|	|
1+55	0.0016	0.01	QV	|	|	|	|
2+ 0	0.0017	0.01	QV	|	|	|	|
2+ 5	0.0018	0.01	QV	|	|	|	|
2+10	0.0019	0.01	QV	|	|	|	|
2+15	0.0020	0.01	QV	|	|	|	|
2+20	0.0021	0.01	QV	|	|	|	|
2+25	0.0021	0.01	QV	|	|	|	|
2+30	0.0022	0.01	QV	|	|	|	|
2+35	0.0023	0.01	QV	|	|	|	|
2+40	0.0024	0.01	QV	|	|	|	|
2+45	0.0025	0.01	QV	|	|	|	|
2+50	0.0026	0.01	QV	|	|	|	|
2+55	0.0027	0.01	QV	|	|	|	|
3+ 0	0.0028	0.01	QV	|	|	|	|
3+ 5	0.0029	0.01	Q V	|	|	|	|
3+10	0.0029	0.01	Q V	|	|	|	|
3+15	0.0030	0.01	Q V	|	|	|	|
3+20	0.0031	0.01	Q V	|	|	|	|
3+25	0.0032	0.01	Q V	|	|	|	|
3+30	0.0033	0.01	Q V	|	|	|	|
3+35	0.0034	0.01	Q V	|	|	|	|
3+40	0.0035	0.01	Q V	|	|	|	|
3+45	0.0036	0.01	Q V	|	|	|	|
3+50	0.0037	0.01	Q V	|	|	|	|
3+55	0.0038	0.01	Q V	|	|	|	|
4+ 0	0.0039	0.01	Q V	|	|	|	|
4+ 5	0.0040	0.01	Q V	|	|	|	|
4+10	0.0041	0.01	Q V	|	|	|	|
4+15	0.0041	0.01	Q V	|	|	|	|
4+20	0.0042	0.01	Q V	|	|	|	|
4+25	0.0043	0.01	Q V	|	|	|	|
4+30	0.0044	0.01	Q V	|	|	|	|
4+35	0.0045	0.01	Q V	|	|	|	|
4+40	0.0046	0.01	Q V	|	|	|	|
4+45	0.0047	0.01	Q V	|	|	|	|
4+50	0.0048	0.01	Q V	|	|	|	|
4+55	0.0049	0.01	Q V	|	|	|	|
5+ 0	0.0050	0.01	Q V	|	|	|	|
5+ 5	0.0051	0.01	Q V	|	|	|	|
5+10	0.0052	0.01	Q V	|	|	|	|
5+15	0.0053	0.01	Q V	|	|	|	|
5+20	0.0054	0.01	Q V	|	|	|	|
5+25	0.0055	0.01	Q V	|	|	|	|
5+30	0.0056	0.01	Q V	|	|	|	|
5+35	0.0057	0.01	Q V	|	|	|	|
5+40	0.0058	0.01	Q V	|	|	|	|
5+45	0.0059	0.01	Q V	|	|	|	|
5+50	0.0060	0.01	Q V	|	|	|	|
5+55	0.0061	0.01	Q V	|	|	|	|
6+ 0	0.0062	0.01	Q V	|	|	|	|
6+ 5	0.0063	0.01	Q V	|	|	|	|
6+10	0.0064	0.02	Q V	|	|	|	|
6+15	0.0065	0.02	Q V	|	|	|	|
6+20	0.0066	0.02	Q V	|	|	|	|
6+25	0.0067	0.02	Q V	|	|	|	|
6+30	0.0068	0.02	Q V	|	|	|	|
6+35	0.0069	0.02	Q V	|	|	|	|

```
 6+40       0.0071      0.02  Q    V    |         |         |         |
 6+45       0.0072      0.02  Q    V    |         |         |         |
 6+50       0.0073      0.02  Q    V    |         |         |         |
 6+55       0.0074      0.02  Q    V    |         |         |         |
 7+ 0       0.0075      0.02  Q    V    |         |         |         |
 7+ 5       0.0076      0.02  Q    V    |         |         |         |
 7+10       0.0077      0.02  Q    V    |         |         |         |
 7+15       0.0078      0.02  Q    V    |         |         |         |
 7+20       0.0079      0.02  Q    V    |         |         |         |
 7+25       0.0080      0.02  Q    V    |         |         |         |
 7+30       0.0081      0.02  Q    V    |         |         |         |
 7+35       0.0083      0.02  Q    V    |         |         |         |
 7+40       0.0084      0.02  Q     V   |         |         |         |
 7+45       0.0085      0.02  Q     V   |         |         |         |
 7+50       0.0086      0.02  Q     V   |         |         |         |
 7+55       0.0087      0.02  Q     V   |         |         |         |
 8+ 0       0.0088      0.02  Q     V   |         |         |         |
 8+ 5       0.0089      0.02  Q     V   |         |         |         |
 8+10       0.0090      0.02  Q     V   |         |         |         |
 8+15       0.0092      0.02  Q     V   |         |         |         |
 8+20       0.0093      0.02  Q     V   |         |         |         |
 8+25       0.0094      0.02  Q     V   |         |         |         |
 8+30       0.0095      0.02  Q     V   |         |         |         |
 8+35       0.0096      0.02  Q     V   |         |         |         |
 8+40       0.0098      0.02  Q      V  |         |         |         |
 8+45       0.0099      0.02  Q      V  |         |         |         |
 8+50       0.0100      0.02  Q      V  |         |         |         |
 8+55       0.0101      0.02  Q      V  |         |         |         |
 9+ 0       0.0102      0.02  Q      V  |         |         |         |
 9+ 5       0.0104      0.02  Q      V  |         |         |         |
 9+10       0.0105      0.02  Q      V  |         |         |         |
 9+15       0.0106      0.02  Q      V  |         |         |         |
 9+20       0.0107      0.02  Q      V  |         |         |         |
 9+25       0.0109      0.02  Q      V  |         |         |         |
 9+30       0.0110      0.02  Q      V  |         |         |         |
 9+35       0.0111      0.02  Q       V |         |         |         |
 9+40       0.0112      0.02  Q       V |         |         |         |
 9+45       0.0114      0.02  Q       V |         |         |         |
 9+50       0.0115      0.02  Q       V |         |         |         |
 9+55       0.0116      0.02  Q       V |         |         |         |
10+ 0       0.0118      0.02  Q       V |         |         |         |
10+ 5       0.0119      0.02  Q       V |         |         |         |
10+10       0.0120      0.02  Q       V |         |         |         |
10+15       0.0122      0.02  Q       V |         |         |         |
10+20       0.0123      0.02  Q       V |         |         |         |
10+25       0.0124      0.02  Q       V |         |         |         |
10+30       0.0126      0.02  Q        V|         |         |         |
10+35       0.0127      0.02  Q        V|         |         |         |
10+40       0.0129      0.02  Q        V|         |         |         |
10+45       0.0130      0.02  Q        V|         |         |         |
10+50       0.0131      0.02  Q        V|         |         |         |
10+55       0.0133      0.02  Q        V|         |         |         |
11+ 0       0.0134      0.02  Q        V|         |         |         |
11+ 5       0.0136      0.02  Q        V|         |         |         |
11+10       0.0137      0.02  Q        V|         |         |         |
11+15       0.0139      0.02  Q        V|         |         |         |
11+20       0.0140      0.02  Q         V         |         |         |
11+25       0.0142      0.02  Q         V         |         |         |
11+30       0.0143      0.02  Q         V         |         |         |
11+35       0.0145      0.02  Q         V         |         |         |
11+40       0.0146      0.02  Q         V         |         |         |
11+45       0.0148      0.02  Q         V         |         |         |
11+50       0.0149      0.02  Q         V         |         |         |
11+55       0.0151      0.02  Q         V         |         |         |
12+ 0       0.0152      0.02  Q         V         |         |         |
12+ 5       0.0154      0.02  Q         |V        |         |         |
12+10       0.0156      0.02  Q         |V        |         |         |
12+15       0.0157      0.02  Q         |V        |         |         |
12+20       0.0159      0.03  Q         |V        |         |         |
12+25       0.0161      0.03  Q         |V        |         |         |
12+30       0.0163      0.03  Q         |V        |         |         |
12+35       0.0164      0.03  Q         |V        |         |         |
12+40       0.0166      0.03  Q         |V        |         |         |
```



18+50	0.0484	0.02	Q	|	|	|	V |
18+55	0.0486	0.02	Q	|	|	|	V |
19+ 0	0.0487	0.02	Q	|	|	|	V |
19+ 5	0.0489	0.02	Q	|	|	|	V |
19+10	0.0490	0.02	Q	|	|	|	V |
19+15	0.0492	0.02	Q	|	|	|	V |
19+20	0.0493	0.02	Q	|	|	|	V |
19+25	0.0494	0.02	Q	|	|	|	V |
19+30	0.0496	0.02	Q	|	|	|	V |
19+35	0.0497	0.02	Q	|	|	|	V |
19+40	0.0498	0.02	Q	|	|	|	V |
19+45	0.0500	0.02	Q	|	|	|	V |
19+50	0.0501	0.02	Q	|	|	|	V |
19+55	0.0502	0.02	Q	|	|	|	V |
20+ 0	0.0503	0.02	Q	|	|	|	V |
20+ 5	0.0504	0.02	Q	|	|	|	V |
20+10	0.0506	0.02	Q	|	|	|	V |
20+15	0.0507	0.02	Q	|	|	|	V |
20+20	0.0508	0.02	Q	|	|	|	V |
20+25	0.0509	0.02	Q	|	|	|	V |
20+30	0.0510	0.02	Q	|	|	|	V |
20+35	0.0512	0.02	Q	|	|	|	V |
20+40	0.0513	0.02	Q	|	|	|	V |
20+45	0.0514	0.02	Q	|	|	|	V |
20+50	0.0515	0.02	Q	|	|	|	V |
20+55	0.0516	0.02	Q	|	|	|	V |
21+ 0	0.0517	0.02	Q	|	|	|	V |
21+ 5	0.0518	0.02	Q	|	|	|	V |
21+10	0.0519	0.02	Q	|	|	|	V |
21+15	0.0520	0.02	Q	|	|	|	V |
21+20	0.0521	0.02	Q	|	|	|	V |
21+25	0.0522	0.02	Q	|	|	|	V |
21+30	0.0523	0.02	Q	|	|	|	V |
21+35	0.0524	0.01	Q	|	|	|	V |
21+40	0.0526	0.01	Q	|	|	|	V |
21+45	0.0527	0.01	Q	|	|	|	V |
21+50	0.0528	0.01	Q	|	|	|	V |
21+55	0.0529	0.01	Q	|	|	|	V |
22+ 0	0.0529	0.01	Q	|	|	|	V |
22+ 5	0.0530	0.01	Q	|	|	|	V |
22+10	0.0531	0.01	Q	|	|	|	V |
22+15	0.0532	0.01	Q	|	|	|	V |
22+20	0.0533	0.01	Q	|	|	|	V |
22+25	0.0534	0.01	Q	|	|	|	V |
22+30	0.0535	0.01	Q	|	|	|	V |
22+35	0.0536	0.01	Q	|	|	|	V |
22+40	0.0537	0.01	Q	|	|	|	V |
22+45	0.0538	0.01	Q	|	|	|	V |
22+50	0.0539	0.01	Q	|	|	|	V |
22+55	0.0540	0.01	Q	|	|	|	V |
23+ 0	0.0541	0.01	Q	|	|	|	V|
23+ 5	0.0542	0.01	Q	|	|	|	V|
23+10	0.0543	0.01	Q	|	|	|	V|
23+15	0.0543	0.01	Q	|	|	|	V|
23+20	0.0544	0.01	Q	|	|	|	V|
23+25	0.0545	0.01	Q	|	|	|	V|
23+30	0.0546	0.01	Q	|	|	|	V|
23+35	0.0547	0.01	Q	|	|	|	V|
23+40	0.0548	0.01	Q	|	|	|	V|
23+45	0.0549	0.01	Q	|	|	|	V|
23+50	0.0550	0.01	Q	|	|	|	V|
23+55	0.0550	0.01	Q	|	|	|	V|
24+ 0	0.0551	0.01	Q	|	|	|	V|
24+ 5	0.0552	0.01	Q	|	|	|	V|
24+10	0.0553	0.01	Q	|	|	|	V|
24+15	0.0553	0.01	Q	|	|	|	V|
24+20	0.0553	0.00	Q	|	|	|	V|
24+25	0.0554	0.00	Q	|	|	|	V|
24+30	0.0554	0.00	Q	|	|	|	V|
24+35	0.0554	0.00	Q	|	|	|	V|
24+40	0.0554	0.00	Q	|	|	|	V|
24+45	0.0554	0.00	Q	|	|	|	V|
24+50	0.0554	0.00	Q	|	|	|	V|

```
   24+55       0.0554      0.00  Q         |         |         |        V|
   25+ 0       0.0554      0.00  Q         |         |         |        V|
   25+ 5       0.0554      0.00  Q         |         |         |        V|
   25+10       0.0554      0.00  Q         |         |         |        V|
   25+15       0.0554      0.00  Q         |         |         |        V|
   25+20       0.0554      0.00  Q         |         |         |        V|
   25+25       0.0554      0.00  Q         |         |         |        V|
   25+30       0.0554      0.00  Q         |         |         |        V|
   25+35       0.0554      0.00  Q         |         |         |        V|
   25+40       0.0554      0.00  Q         |         |         |         V
-------------------------------------------------------------------------
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U n i t H y d r o g r a p h A n a l y s i s

Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018, Version 9.0

Study date 08/02/23

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San Bernardino County Synthetic Unit Hydrology Method
Manual date - August 1986

Program License Serial Number 6481

Pre-Development Condition
Unit Hydragh Method
Drainag Management Area A1
100-Year, 24-Hour Storm

Storm Event Year = 100

Antecedent Moisture Condition = 3

English (in-lb) Input Units Used

English Rainfall Data (Inches) Input Values Used

English Units used in output format

Area averaged rainfall intensity isohyetal data:

Sub-Area (Ac.)	Duration (hours)	Isohyetal (In)
Rainfall data for year 100		
2.06	1	1.49
Rainfall data for year 100		
2.06	6	3.61
Rainfall data for year 100		
2.06	24	7.18

++

******** Area-averaged max loss rate, Fm ********

SCS curve No.(AMCII)	SCS curve NO.(AMC 3)	Area (Ac.)	Area Fraction	Fp(Fig C6) (In/Hr)	Ap (dec.)	Fm (In/Hr)
67.0	84.6	2.06	1.000	0.290	1.000	0.290

Area-averaged adjusted loss rate Fm (In/Hr) = 0.290

********* Area-Averaged low loss rate fraction, Yb **********

Area (Ac.)	Area Fract	SCS CN (AMC2)	SCS CN (AMC3)	S	Pervious Yield Fr
2.06	1.000	67.0	84.6	1.82	0.749

Area-averaged catchment yield fraction, Y = 0.749
Area-averaged low loss fraction, Yb = 0.251
User entry of time of concentration = 0.268 (hours)

++
Watershed area = 2.06(Ac.)
Catchment Lag time = 0.214 hours
Unit interval = 5.000 minutes

Unit interval percentage of lag time = 38.8682
Hydrograph baseflow = 0.00(CFS)
Average maximum watershed loss rate(Fm) = 0.290(In/Hr)
Average low loss rate fraction (Yb) = 0.251 (decimal)
VALLEY UNDEVELOPED S-Graph Selected
Computed peak 5-minute rainfall = 0.551(In)
Computed peak 30-minute rainfall = 1.129(In)
Specified peak 1-hour rainfall = 1.490(In)
Computed peak 3-hour rainfall = 2.563(In)
Specified peak 6-hour rainfall = 3.610(In)
Specified peak 24-hour rainfall = 7.180(In)

Rainfall depth area reduction factors:
Using a total area of 2.06(Ac.) (Ref: fig. E-4)

5-minute factor = 1.000 Adjusted rainfall = 0.551(In)
30-minute factor = 1.000 Adjusted rainfall = 1.129(In)
1-hour factor = 1.000 Adjusted rainfall = 1.490(In)
3-hour factor = 1.000 Adjusted rainfall = 2.563(In)
6-hour factor = 1.000 Adjusted rainfall = 3.610(In)
24-hour factor = 1.000 Adjusted rainfall = 7.180(In)

U n i t H y d r o g r a p h

Interval Number	'S' Graph Mean values	Unit Hydrograph ((CFS))
	(K = 24.91 (CFS))	
1	4.173	1.040
2	21.175	4.236
3	47.273	6.502
4	65.272	4.484
5	74.135	2.208
6	79.624	1.367
7	83.689	1.013
8	86.869	0.792
9	89.323	0.611
10	91.347	0.504
11	92.940	0.397
12	94.197	0.313
13	95.373	0.293
14	96.344	0.242
15	97.143	0.199
16	97.820	0.169
17	98.373	0.138
18	98.802	0.107
19	99.191	0.097
20	99.579	0.097
21	100.000	0.048

Peak Unit Number	Adjusted mass rainfall (In)	Unit rainfall (In)
1	0.5514	0.5514
2	0.7276	0.1762
3	0.8557	0.1281
4	0.9601	0.1044
5	1.0497	0.0896
6	1.1291	0.0794
7	1.2009	0.0718
8	1.2668	0.0659
9	1.3279	0.0611
10	1.3851	0.0572
11	1.4389	0.0538
12	1.4899	0.0510
13	1.5499	0.0601
14	1.6077	0.0578
15	1.6635	0.0557
16	1.7174	0.0539
17	1.7696	0.0522
18	1.8202	0.0507

19	1.8695	0.0493
20	1.9175	0.0480
21	1.9643	0.0468
22	2.0099	0.0457
23	2.0545	0.0446
24	2.0982	0.0436
25	2.1409	0.0427
26	2.1828	0.0419
27	2.2239	0.0411
28	2.2642	0.0403
29	2.3038	0.0396
30	2.3427	0.0389
31	2.3809	0.0383
32	2.4186	0.0376
33	2.4556	0.0370
34	2.4921	0.0365
35	2.5280	0.0359
36	2.5635	0.0354
37	2.5984	0.0349
38	2.6328	0.0345
39	2.6668	0.0340
40	2.7004	0.0336
41	2.7335	0.0331
42	2.7662	0.0327
43	2.7986	0.0323
44	2.8305	0.0320
45	2.8621	0.0316
46	2.8934	0.0312
47	2.9243	0.0309
48	2.9548	0.0306
49	2.9851	0.0302
50	3.0150	0.0299
51	3.0446	0.0296
52	3.0740	0.0293
53	3.1030	0.0291
54	3.1318	0.0288
55	3.1603	0.0285
56	3.1886	0.0283
57	3.2166	0.0280
58	3.2443	0.0277
59	3.2718	0.0275
60	3.2991	0.0273
61	3.3262	0.0270
62	3.3530	0.0268
63	3.3796	0.0266
64	3.4060	0.0264
65	3.4321	0.0262
66	3.4581	0.0260
67	3.4839	0.0258
68	3.5095	0.0256
69	3.5349	0.0254
70	3.5601	0.0252
71	3.5851	0.0250
72	3.6100	0.0249
73	3.6348	0.0248
74	3.6594	0.0246
75	3.6838	0.0244
76	3.7081	0.0243
77	3.7322	0.0241
78	3.7562	0.0240
79	3.7800	0.0238
80	3.8036	0.0237
81	3.8272	0.0235
82	3.8505	0.0234
83	3.8737	0.0232
84	3.8968	0.0231
85	3.9198	0.0229
86	3.9426	0.0228
87	3.9652	0.0227
88	3.9878	0.0225
89	4.0102	0.0224
90	4.0325	0.0223
91	4.0546	0.0222

92	4.0767	0.0220
93	4.0986	0.0219
94	4.1204	0.0218
95	4.1421	0.0217
96	4.1636	0.0216
97	4.1851	0.0215
98	4.2064	0.0213
99	4.2277	0.0212
100	4.2488	0.0211
101	4.2698	0.0210
102	4.2907	0.0209
103	4.3116	0.0208
104	4.3323	0.0207
105	4.3529	0.0206
106	4.3734	0.0205
107	4.3938	0.0204
108	4.4141	0.0203
109	4.4344	0.0202
110	4.4545	0.0201
111	4.4745	0.0200
112	4.4945	0.0199
113	4.5143	0.0199
114	4.5341	0.0198
115	4.5538	0.0197
116	4.5734	0.0196
117	4.5929	0.0195
118	4.6123	0.0194
119	4.6317	0.0193
120	4.6509	0.0193
121	4.6701	0.0192
122	4.6892	0.0191
123	4.7082	0.0190
124	4.7272	0.0189
125	4.7461	0.0189
126	4.7649	0.0188
127	4.7836	0.0187
128	4.8022	0.0186
129	4.8208	0.0186
130	4.8393	0.0185
131	4.8577	0.0184
132	4.8761	0.0184
133	4.8944	0.0183
134	4.9126	0.0182
135	4.9307	0.0181
136	4.9488	0.0181
137	4.9668	0.0180
138	4.9848	0.0179
139	5.0027	0.0179
140	5.0205	0.0178
141	5.0382	0.0178
142	5.0559	0.0177
143	5.0736	0.0176
144	5.0911	0.0176
145	5.1086	0.0175
146	5.1261	0.0174
147	5.1435	0.0174
148	5.1608	0.0173
149	5.1781	0.0173
150	5.1953	0.0172
151	5.2124	0.0172
152	5.2295	0.0171
153	5.2465	0.0170
154	5.2635	0.0170
155	5.2804	0.0169
156	5.2973	0.0169
157	5.3141	0.0168
158	5.3309	0.0168
159	5.3476	0.0167
160	5.3643	0.0167
161	5.3809	0.0166
162	5.3974	0.0166
163	5.4139	0.0165
164	5.4304	0.0164

165	5.4468	0.0164
166	5.4631	0.0163
167	5.4794	0.0163
168	5.4957	0.0162
169	5.5119	0.0162
170	5.5280	0.0162
171	5.5441	0.0161
172	5.5602	0.0161
173	5.5762	0.0160
174	5.5921	0.0160
175	5.6081	0.0159
176	5.6239	0.0159
177	5.6398	0.0158
178	5.6555	0.0158
179	5.6713	0.0157
180	5.6870	0.0157
181	5.7026	0.0156
182	5.7182	0.0156
183	5.7338	0.0156
184	5.7493	0.0155
185	5.7648	0.0155
186	5.7802	0.0154
187	5.7956	0.0154
188	5.8110	0.0154
189	5.8263	0.0153
190	5.8415	0.0153
191	5.8568	0.0152
192	5.8720	0.0152
193	5.8871	0.0151
194	5.9022	0.0151
195	5.9173	0.0151
196	5.9323	0.0150
197	5.9473	0.0150
198	5.9623	0.0150
199	5.9772	0.0149
200	5.9921	0.0149
201	6.0069	0.0148
202	6.0217	0.0148
203	6.0365	0.0148
204	6.0512	0.0147
205	6.0659	0.0147
206	6.0806	0.0147
207	6.0952	0.0146
208	6.1098	0.0146
209	6.1243	0.0146
210	6.1388	0.0145
211	6.1533	0.0145
212	6.1678	0.0144
213	6.1822	0.0144
214	6.1966	0.0144
215	6.2109	0.0143
216	6.2252	0.0143
217	6.2395	0.0143
218	6.2537	0.0142
219	6.2679	0.0142
220	6.2821	0.0142
221	6.2963	0.0141
222	6.3104	0.0141
223	6.3245	0.0141
224	6.3385	0.0141
225	6.3525	0.0140
226	6.3665	0.0140
227	6.3805	0.0140
228	6.3944	0.0139
229	6.4083	0.0139
230	6.4222	0.0139
231	6.4360	0.0138
232	6.4498	0.0138
233	6.4636	0.0138
234	6.4773	0.0137
235	6.4910	0.0137
236	6.5047	0.0137
237	6.5184	0.0137

238	6.5320	0.0136
239	6.5456	0.0136
240	6.5592	0.0136
241	6.5727	0.0135
242	6.5862	0.0135
243	6.5997	0.0135
244	6.6132	0.0135
245	6.6266	0.0134
246	6.6400	0.0134
247	6.6534	0.0134
248	6.6667	0.0133
249	6.6801	0.0133
250	6.6933	0.0133
251	6.7066	0.0133
252	6.7199	0.0132
253	6.7331	0.0132
254	6.7463	0.0132
255	6.7594	0.0132
256	6.7725	0.0131
257	6.7857	0.0131
258	6.7987	0.0131
259	6.8118	0.0131
260	6.8248	0.0130
261	6.8378	0.0130
262	6.8508	0.0130
263	6.8638	0.0130
264	6.8767	0.0129
265	6.8896	0.0129
266	6.9025	0.0129
267	6.9154	0.0129
268	6.9282	0.0128
269	6.9410	0.0128
270	6.9538	0.0128
271	6.9665	0.0128
272	6.9793	0.0127
273	6.9920	0.0127
274	7.0047	0.0127
275	7.0174	0.0127
276	7.0300	0.0126
277	7.0426	0.0126
278	7.0552	0.0126
279	7.0678	0.0126
280	7.0804	0.0126
281	7.0929	0.0125
282	7.1054	0.0125
283	7.1179	0.0125
284	7.1303	0.0125
285	7.1428	0.0124
286	7.1552	0.0124
287	7.1676	0.0124
288	7.1800	0.0124

Unit Period (number)	Unit Rainfall (In)	Unit Soil-Loss (In)	Effective Rainfall (In)
1	0.0124	0.0031	0.0093
2	0.0124	0.0031	0.0093
3	0.0124	0.0031	0.0093
4	0.0125	0.0031	0.0093
5	0.0125	0.0031	0.0094
6	0.0125	0.0031	0.0094
7	0.0126	0.0032	0.0094
8	0.0126	0.0032	0.0094
9	0.0126	0.0032	0.0095
10	0.0127	0.0032	0.0095
11	0.0127	0.0032	0.0095
12	0.0127	0.0032	0.0095
13	0.0128	0.0032	0.0096
14	0.0128	0.0032	0.0096
15	0.0129	0.0032	0.0096
16	0.0129	0.0032	0.0097
17	0.0129	0.0032	0.0097

18	0.0130	0.0032	0.0097
19	0.0130	0.0033	0.0097
20	0.0130	0.0033	0.0098
21	0.0131	0.0033	0.0098
22	0.0131	0.0033	0.0098
23	0.0132	0.0033	0.0099
24	0.0132	0.0033	0.0099
25	0.0132	0.0033	0.0099
26	0.0133	0.0033	0.0099
27	0.0133	0.0033	0.0100
28	0.0133	0.0033	0.0100
29	0.0134	0.0034	0.0100
30	0.0134	0.0034	0.0101
31	0.0135	0.0034	0.0101
32	0.0135	0.0034	0.0101
33	0.0136	0.0034	0.0102
34	0.0136	0.0034	0.0102
35	0.0137	0.0034	0.0102
36	0.0137	0.0034	0.0103
37	0.0137	0.0034	0.0103
38	0.0138	0.0035	0.0103
39	0.0138	0.0035	0.0104
40	0.0139	0.0035	0.0104
41	0.0139	0.0035	0.0104
42	0.0140	0.0035	0.0105
43	0.0140	0.0035	0.0105
44	0.0141	0.0035	0.0105
45	0.0141	0.0035	0.0106
46	0.0141	0.0035	0.0106
47	0.0142	0.0036	0.0106
48	0.0142	0.0036	0.0107
49	0.0143	0.0036	0.0107
50	0.0143	0.0036	0.0107
51	0.0144	0.0036	0.0108
52	0.0144	0.0036	0.0108
53	0.0145	0.0036	0.0109
54	0.0146	0.0036	0.0109
55	0.0146	0.0037	0.0110
56	0.0147	0.0037	0.0110
57	0.0147	0.0037	0.0110
58	0.0148	0.0037	0.0111
59	0.0148	0.0037	0.0111
60	0.0149	0.0037	0.0111
61	0.0150	0.0038	0.0112
62	0.0150	0.0038	0.0112
63	0.0151	0.0038	0.0113
64	0.0151	0.0038	0.0113
65	0.0152	0.0038	0.0114
66	0.0152	0.0038	0.0114
67	0.0153	0.0038	0.0115
68	0.0154	0.0039	0.0115
69	0.0154	0.0039	0.0116
70	0.0155	0.0039	0.0116
71	0.0156	0.0039	0.0117
72	0.0156	0.0039	0.0117
73	0.0157	0.0039	0.0118
74	0.0157	0.0039	0.0118
75	0.0158	0.0040	0.0119
76	0.0159	0.0040	0.0119
77	0.0160	0.0040	0.0120
78	0.0160	0.0040	0.0120
79	0.0161	0.0040	0.0121
80	0.0162	0.0041	0.0121
81	0.0162	0.0041	0.0122
82	0.0163	0.0041	0.0122
83	0.0164	0.0041	0.0123
84	0.0164	0.0041	0.0123
85	0.0166	0.0042	0.0124
86	0.0166	0.0042	0.0124
87	0.0167	0.0042	0.0125
88	0.0168	0.0042	0.0126
89	0.0169	0.0042	0.0126
90	0.0169	0.0042	0.0127

91	0.0170	0.0043	0.0128
92	0.0171	0.0043	0.0128
93	0.0172	0.0043	0.0129
94	0.0173	0.0043	0.0129
95	0.0174	0.0044	0.0130
96	0.0174	0.0044	0.0131
97	0.0176	0.0044	0.0132
98	0.0176	0.0044	0.0132
99	0.0178	0.0045	0.0133
100	0.0178	0.0045	0.0133
101	0.0179	0.0045	0.0134
102	0.0180	0.0045	0.0135
103	0.0181	0.0046	0.0136
104	0.0182	0.0046	0.0136
105	0.0184	0.0046	0.0138
106	0.0184	0.0046	0.0138
107	0.0186	0.0047	0.0139
108	0.0186	0.0047	0.0140
109	0.0188	0.0047	0.0141
110	0.0189	0.0047	0.0141
111	0.0190	0.0048	0.0143
112	0.0191	0.0048	0.0143
113	0.0193	0.0048	0.0144
114	0.0193	0.0049	0.0145
115	0.0195	0.0049	0.0146
116	0.0196	0.0049	0.0147
117	0.0198	0.0050	0.0148
118	0.0199	0.0050	0.0149
119	0.0200	0.0050	0.0150
120	0.0201	0.0050	0.0151
121	0.0203	0.0051	0.0152
122	0.0204	0.0051	0.0153
123	0.0206	0.0052	0.0154
124	0.0207	0.0052	0.0155
125	0.0209	0.0052	0.0157
126	0.0210	0.0053	0.0157
127	0.0212	0.0053	0.0159
128	0.0213	0.0054	0.0160
129	0.0216	0.0054	0.0162
130	0.0217	0.0054	0.0162
131	0.0219	0.0055	0.0164
132	0.0220	0.0055	0.0165
133	0.0223	0.0056	0.0167
134	0.0224	0.0056	0.0168
135	0.0227	0.0057	0.0170
136	0.0228	0.0057	0.0171
137	0.0231	0.0058	0.0173
138	0.0232	0.0058	0.0174
139	0.0235	0.0059	0.0176
140	0.0237	0.0059	0.0177
141	0.0240	0.0060	0.0180
142	0.0241	0.0060	0.0181
143	0.0244	0.0061	0.0183
144	0.0246	0.0062	0.0184
145	0.0249	0.0062	0.0186
146	0.0250	0.0063	0.0188
147	0.0254	0.0064	0.0190
148	0.0256	0.0064	0.0192
149	0.0260	0.0065	0.0195
150	0.0262	0.0066	0.0196
151	0.0266	0.0067	0.0199
152	0.0268	0.0067	0.0201
153	0.0273	0.0068	0.0204
154	0.0275	0.0069	0.0206
155	0.0280	0.0070	0.0210
156	0.0283	0.0071	0.0212
157	0.0288	0.0072	0.0216
158	0.0291	0.0073	0.0218
159	0.0296	0.0074	0.0222
160	0.0299	0.0075	0.0224
161	0.0306	0.0077	0.0229
162	0.0309	0.0077	0.0231
163	0.0316	0.0079	0.0237

164	0.0320	0.0080	0.0239
165	0.0327	0.0082	0.0245
166	0.0331	0.0083	0.0248
167	0.0340	0.0085	0.0255
168	0.0345	0.0086	0.0258
169	0.0354	0.0089	0.0265
170	0.0359	0.0090	0.0269
171	0.0370	0.0093	0.0278
172	0.0376	0.0094	0.0282
173	0.0389	0.0098	0.0291
174	0.0396	0.0099	0.0297
175	0.0411	0.0103	0.0308
176	0.0419	0.0105	0.0314
177	0.0436	0.0109	0.0327
178	0.0446	0.0112	0.0334
179	0.0468	0.0117	0.0350
180	0.0480	0.0120	0.0359
181	0.0507	0.0127	0.0380
182	0.0522	0.0131	0.0391
183	0.0557	0.0140	0.0418
184	0.0578	0.0145	0.0433
185	0.0510	0.0128	0.0382
186	0.0538	0.0135	0.0403
187	0.0611	0.0153	0.0458
188	0.0659	0.0165	0.0494
189	0.0794	0.0199	0.0595
190	0.0896	0.0225	0.0672
191	0.1281	0.0242	0.1039
192	0.1762	0.0242	0.1520
193	0.5514	0.0242	0.5272
194	0.1044	0.0242	0.0802
195	0.0718	0.0180	0.0538
196	0.0572	0.0143	0.0428
197	0.0601	0.0151	0.0450
198	0.0539	0.0135	0.0404
199	0.0493	0.0124	0.0369
200	0.0457	0.0115	0.0342
201	0.0427	0.0107	0.0320
202	0.0403	0.0101	0.0302
203	0.0383	0.0096	0.0287
204	0.0365	0.0091	0.0273
205	0.0349	0.0088	0.0262
206	0.0336	0.0084	0.0251
207	0.0323	0.0081	0.0242
208	0.0312	0.0078	0.0234
209	0.0302	0.0076	0.0227
210	0.0293	0.0074	0.0220
211	0.0285	0.0072	0.0214
212	0.0277	0.0070	0.0208
213	0.0270	0.0068	0.0203
214	0.0264	0.0066	0.0198
215	0.0258	0.0065	0.0193
216	0.0252	0.0063	0.0189
217	0.0248	0.0062	0.0186
218	0.0243	0.0061	0.0182
219	0.0238	0.0060	0.0178
220	0.0234	0.0059	0.0175
221	0.0229	0.0058	0.0172
222	0.0225	0.0057	0.0169
223	0.0222	0.0056	0.0166
224	0.0218	0.0055	0.0163
225	0.0215	0.0054	0.0161
226	0.0211	0.0053	0.0158
227	0.0208	0.0052	0.0156
228	0.0205	0.0051	0.0154
229	0.0202	0.0051	0.0152
230	0.0199	0.0050	0.0149
231	0.0197	0.0049	0.0147
232	0.0194	0.0049	0.0146
233	0.0192	0.0048	0.0144
234	0.0189	0.0048	0.0142
235	0.0187	0.0047	0.0140
236	0.0185	0.0046	0.0139

237	0.0183	0.0046	0.0137
238	0.0181	0.0045	0.0135
239	0.0179	0.0045	0.0134
240	0.0177	0.0044	0.0133
241	0.0175	0.0044	0.0131
242	0.0173	0.0043	0.0130
243	0.0172	0.0043	0.0128
244	0.0170	0.0043	0.0127
245	0.0168	0.0042	0.0126
246	0.0167	0.0042	0.0125
247	0.0165	0.0041	0.0124
248	0.0163	0.0041	0.0122
249	0.0162	0.0041	0.0121
250	0.0161	0.0040	0.0120
251	0.0159	0.0040	0.0119
252	0.0158	0.0040	0.0118
253	0.0156	0.0039	0.0117
254	0.0155	0.0039	0.0116
255	0.0154	0.0039	0.0115
256	0.0153	0.0038	0.0114
257	0.0151	0.0038	0.0113
258	0.0150	0.0038	0.0113
259	0.0149	0.0037	0.0112
260	0.0148	0.0037	0.0111
261	0.0147	0.0037	0.0110
262	0.0146	0.0037	0.0109
263	0.0145	0.0036	0.0108
264	0.0144	0.0036	0.0108
265	0.0143	0.0036	0.0107
266	0.0142	0.0036	0.0106
267	0.0141	0.0035	0.0106
268	0.0140	0.0035	0.0105
269	0.0139	0.0035	0.0104
270	0.0138	0.0035	0.0103
271	0.0137	0.0034	0.0103
272	0.0136	0.0034	0.0102
273	0.0135	0.0034	0.0101
274	0.0135	0.0034	0.0101
275	0.0134	0.0034	0.0100
276	0.0133	0.0033	0.0100
277	0.0132	0.0033	0.0099
278	0.0131	0.0033	0.0098
279	0.0131	0.0033	0.0098
280	0.0130	0.0033	0.0097
281	0.0129	0.0032	0.0097
282	0.0128	0.0032	0.0096
283	0.0128	0.0032	0.0096
284	0.0127	0.0032	0.0095
285	0.0126	0.0032	0.0095
286	0.0126	0.0031	0.0094
287	0.0125	0.0031	0.0094
288	0.0124	0.0031	0.0093

Total soil rain loss = 1.66(In)
Total effective rainfall = 5.52(In)
Peak flow rate in flood hydrograph = 5.05(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0001	0.01	Q	|	|	|	|
0+10	0.0004	0.05	Q	|	|	|	|
0+15	0.0012	0.11	Q	|	|	|	|
0+20	0.0022	0.15	Q	|	|	|	|
0+25	0.0034	0.17	Q	|	|	|	|
0+30	0.0047	0.19	Q	|	|	|	|

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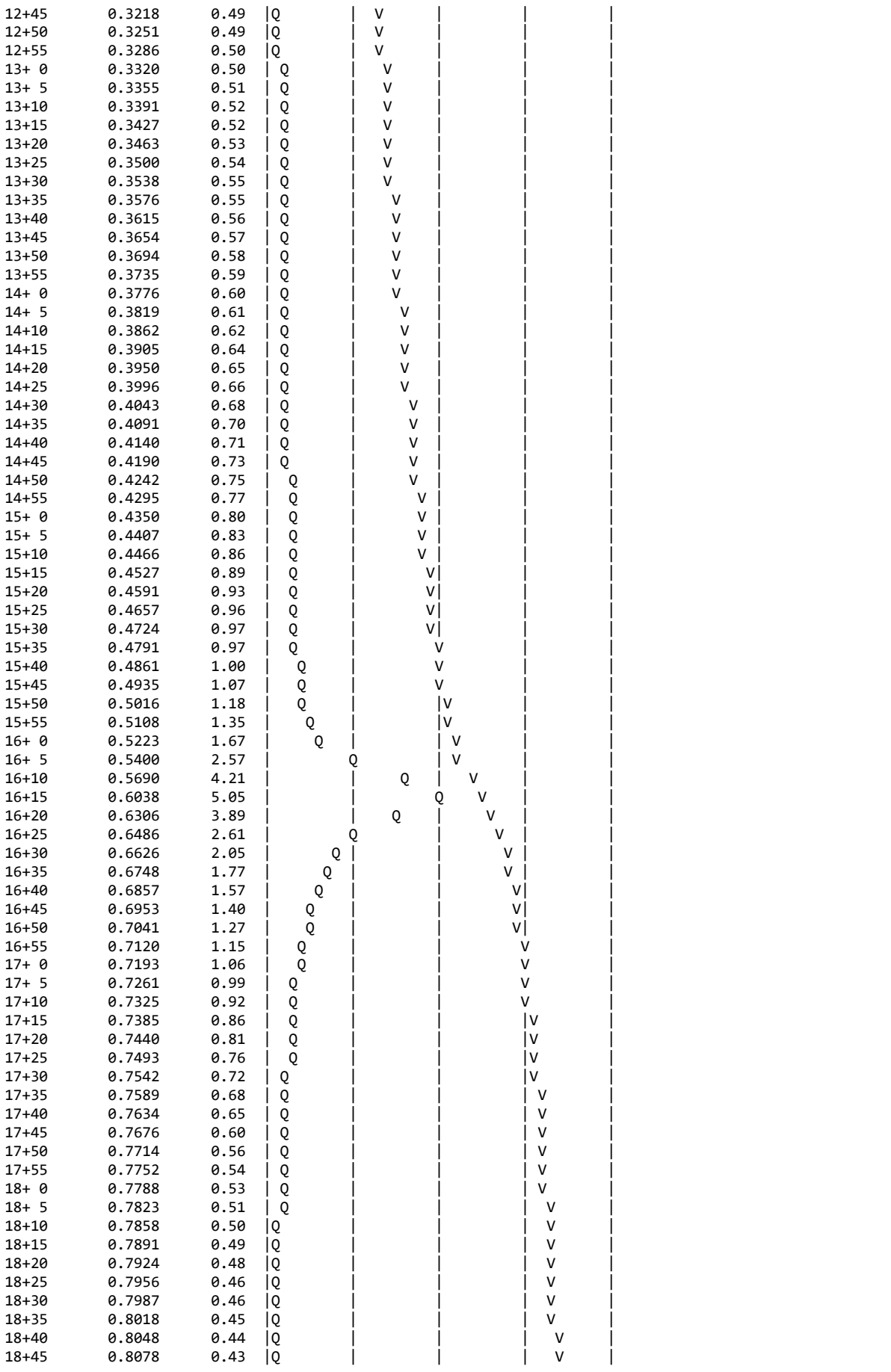
0+35      0.0060     0.20  Q         |         |         |         |
0+40      0.0074     0.20  Q         |         |         |         |
0+45      0.0088     0.21  Q         |         |         |         |
0+50      0.0103     0.21  Q         |         |         |         |
0+55      0.0118     0.22  Q         |         |         |         |
1+ 0      0.0133     0.22  Q         |         |         |         |
1+ 5      0.0149     0.23  Q         |         |         |         |
1+10      0.0165     0.23  Q         |         |         |         |
1+15      0.0181     0.23  Q         |         |         |         |
1+20      0.0197     0.23  Q         |         |         |         |
1+25      0.0213     0.23  Q         |         |         |         |
1+30      0.0229     0.24  Q         |         |         |         |
1+35      0.0246     0.24  QV        |         |         |         |
1+40      0.0262     0.24  QV        |         |         |         |
1+45      0.0279     0.24  QV        |         |         |         |
1+50      0.0295     0.24  QV        |         |         |         |
1+55      0.0312     0.24  QV        |         |         |         |
2+ 0      0.0329     0.24  QV        |         |         |         |
2+ 5      0.0346     0.24  QV        |         |         |         |
2+10      0.0362     0.24  QV        |         |         |         |
2+15      0.0379     0.25  QV        |         |         |         |
2+20      0.0396     0.25  QV        |         |         |         |
2+25      0.0413     0.25  QV        |         |         |         |
2+30      0.0430     0.25  QV        |         |         |         |
2+35      0.0447     0.25  QV        |         |         |         |
2+40      0.0464     0.25  QV        |         |         |         |
2+45      0.0482     0.25  Q V       |         |         |         |
2+50      0.0499     0.25  |QV       |         |         |         |
2+55      0.0516     0.25  |QV       |         |         |         |
3+ 0      0.0533     0.25  |QV       |         |         |         |
3+ 5      0.0551     0.25  |QV       |         |         |         |
3+10      0.0568     0.25  |QV       |         |         |         |
3+15      0.0586     0.25  |QV       |         |         |         |
3+20      0.0603     0.26  |QV       |         |         |         |
3+25      0.0621     0.26  |QV       |         |         |         |
3+30      0.0639     0.26  |QV       |         |         |         |
3+35      0.0657     0.26  |QV       |         |         |         |
3+40      0.0674     0.26  |QV       |         |         |         |
3+45      0.0692     0.26  |QV       |         |         |         |
3+50      0.0710     0.26  |Q V      |         |         |         |
3+55      0.0728     0.26  |Q V      |         |         |         |
4+ 0      0.0746     0.26  |Q V      |         |         |         |
4+ 5      0.0764     0.26  |Q V      |         |         |         |
4+10      0.0782     0.26  |Q V      |         |         |         |
4+15      0.0801     0.26  |Q V      |         |         |         |
4+20      0.0819     0.27  |Q V      |         |         |         |
4+25      0.0837     0.27  |Q V      |         |         |         |
4+30      0.0856     0.27  |Q V      |         |         |         |
4+35      0.0874     0.27  |Q V      |         |         |         |
4+40      0.0893     0.27  |Q V      |         |         |         |
4+45      0.0911     0.27  |Q V      |         |         |         |
4+50      0.0930     0.27  |Q V      |         |         |         |
4+55      0.0949     0.27  |Q  V     |         |         |         |
5+ 0      0.0968     0.27  |Q  V     |         |         |         |
5+ 5      0.0987     0.27  |Q  V     |         |         |         |
5+10      0.1006     0.28  |Q  V     |         |         |         |
5+15      0.1025     0.28  |Q  V     |         |         |         |
5+20      0.1044     0.28  |Q  V     |         |         |         |
5+25      0.1063     0.28  |Q  V     |         |         |         |
5+30      0.1082     0.28  |Q  V     |         |         |         |
5+35      0.1101     0.28  |Q  V     |         |         |         |
5+40      0.1121     0.28  |Q  V     |         |         |         |
5+45      0.1140     0.28  |Q  V     |         |         |         |
5+50      0.1160     0.28  |Q  V     |         |         |         |
5+55      0.1180     0.29  |Q  V     |         |         |         |
6+ 0      0.1199     0.29  |Q   V    |         |         |         |
6+ 5      0.1219     0.29  |Q   V    |         |         |         |
6+10      0.1239     0.29  |Q   V    |         |         |         |
6+15      0.1259     0.29  |Q   V    |         |         |         |
6+20      0.1279     0.29  |Q   V    |         |         |         |
6+25      0.1299     0.29  |Q   V    |         |         |         |
6+30      0.1319     0.29  |Q   V    |         |         |         |
6+35      0.1340     0.29  |Q   V    |         |         |         |
```

```
 6+40       0.1360      0.30  |Q   V    |          |          |          |
 6+45       0.1381      0.30  |Q   V    |          |          |          |
 6+50       0.1401      0.30  |Q   V    |          |          |          |
 6+55       0.1422      0.30  |Q    V   |          |          |          |
 7+ 0       0.1442      0.30  |Q    V   |          |          |          |
 7+ 5       0.1463      0.30  |Q    V   |          |          |          |
 7+10       0.1484      0.30  |Q    V   |          |          |          |
 7+15       0.1505      0.31  |Q    V   |          |          |          |
 7+20       0.1526      0.31  |Q    V   |          |          |          |
 7+25       0.1548      0.31  |Q    V   |          |          |          |
 7+30       0.1569      0.31  |Q    V   |          |          |          |
 7+35       0.1590      0.31  |Q    V   |          |          |          |
 7+40       0.1612      0.31  |Q    V   |          |          |          |
 7+45       0.1634      0.31  |Q    V   |          |          |          |
 7+50       0.1655      0.32  |Q     V  |          |          |          |
 7+55       0.1677      0.32  |Q     V  |          |          |          |
 8+ 0       0.1699      0.32  |Q     V  |          |          |          |
 8+ 5       0.1721      0.32  |Q     V  |          |          |          |
 8+10       0.1744      0.32  |Q     V  |          |          |          |
 8+15       0.1766      0.32  |Q     V  |          |          |          |
 8+20       0.1788      0.33  |Q     V  |          |          |          |
 8+25       0.1811      0.33  |Q     V  |          |          |          |
 8+30       0.1833      0.33  |Q     V  |          |          |          |
 8+35       0.1856      0.33  |Q     V  |          |          |          |
 8+40       0.1879      0.33  |Q     V  |          |          |          |
 8+45       0.1902      0.33  |Q      V |          |          |          |
 8+50       0.1925      0.34  |Q      V |          |          |          |
 8+55       0.1949      0.34  |Q      V |          |          |          |
 9+ 0       0.1972      0.34  |Q      V |          |          |          |
 9+ 5       0.1996      0.34  |Q      V |          |          |          |
 9+10       0.2019      0.34  |Q      V |          |          |          |
 9+15       0.2043      0.35  |Q      V |          |          |          |
 9+20       0.2067      0.35  |Q      V |          |          |          |
 9+25       0.2091      0.35  |Q      V |          |          |          |
 9+30       0.2115      0.35  |Q      V |          |          |          |
 9+35       0.2140      0.35  |Q       V|          |          |          |
 9+40       0.2164      0.36  |Q       V|          |          |          |
 9+45       0.2189      0.36  |Q       V|          |          |          |
 9+50       0.2214      0.36  |Q       V|          |          |          |
 9+55       0.2239      0.36  |Q       V|          |          |          |
10+ 0       0.2264      0.37  |Q       V|          |          |          |
10+ 5       0.2290      0.37  |Q       V|          |          |          |
10+10       0.2315      0.37  |Q       V|          |          |          |
10+15       0.2341      0.37  |Q       V|          |          |          |
10+20       0.2367      0.38  |Q        V          |          |          |
10+25       0.2393      0.38  |Q        V          |          |          |
10+30       0.2419      0.38  |Q        V          |          |          |
10+35       0.2446      0.38  |Q        V          |          |          |
10+40       0.2472      0.39  |Q        V          |          |          |
10+45       0.2499      0.39  |Q        V          |          |          |
10+50       0.2526      0.39  |Q        V          |          |          |
10+55       0.2554      0.40  |Q        V          |          |          |
11+ 0       0.2581      0.40  |Q        V          |          |          |
11+ 5       0.2609      0.40  |Q        |V         |          |          |
11+10       0.2637      0.41  |Q        |V         |          |          |
11+15       0.2665      0.41  |Q        |V         |          |          |
11+20       0.2693      0.41  |Q        |V         |          |          |
11+25       0.2722      0.42  |Q        |V         |          |          |
11+30       0.2751      0.42  |Q        |V         |          |          |
11+35       0.2780      0.42  |Q        |V         |          |          |
11+40       0.2809      0.43  |Q        |V         |          |          |
11+45       0.2839      0.43  |Q        | V        |          |          |
11+50       0.2869      0.43  |Q        | V        |          |          |
11+55       0.2899      0.44  |Q        | V        |          |          |
12+ 0       0.2929      0.44  |Q        | V        |          |          |
12+ 5       0.2960      0.45  |Q        | V        |          |          |
12+10       0.2991      0.45  |Q        | V        |          |          |
12+15       0.3023      0.46  |Q        | V        |          |          |
12+20       0.3054      0.46  |Q        | V        |          |          |
12+25       0.3086      0.46  |Q        |  V       |          |          |
12+30       0.3118      0.47  |Q        |  V       |          |          |
12+35       0.3151      0.47  |Q        |  V       |          |          |
12+40       0.3184      0.48  |Q        |  V       |          |          |
```



```
18+50       0.8107      0.42  |Q        |         |         |   V     |
18+55       0.8135      0.41  |Q        |         |         |   V     |
19+ 0       0.8163      0.41  |Q        |         |         |   V     |
19+ 5       0.8191      0.40  |Q        |         |         |   V     |
19+10       0.8218      0.39  |Q        |         |         |   V     |
19+15       0.8245      0.39  |Q        |         |         |   V     |
19+20       0.8271      0.38  |Q        |         |         |   V     |
19+25       0.8297      0.38  |Q        |         |         |    V    |
19+30       0.8323      0.37  |Q        |         |         |    V    |
19+35       0.8348      0.37  |Q        |         |         |    V    |
19+40       0.8373      0.36  |Q        |         |         |    V    |
19+45       0.8398      0.36  |Q        |         |         |    V    |
19+50       0.8422      0.35  |Q        |         |         |    V    |
19+55       0.8446      0.35  |Q        |         |         |    V    |
20+ 0       0.8470      0.34  |Q        |         |         |    V    |
20+ 5       0.8493      0.34  |Q        |         |         |    V    |
20+10       0.8517      0.34  |Q        |         |         |     V   |
20+15       0.8540      0.33  |Q        |         |         |     V   |
20+20       0.8562      0.33  |Q        |         |         |     V   |
20+25       0.8585      0.33  |Q        |         |         |     V   |
20+30       0.8607      0.32  |Q        |         |         |     V   |
20+35       0.8629      0.32  |Q        |         |         |     V   |
20+40       0.8651      0.32  |Q        |         |         |     V   |
20+45       0.8672      0.31  |Q        |         |         |     V   |
20+50       0.8694      0.31  |Q        |         |         |     V   |
20+55       0.8715      0.31  |Q        |         |         |     V   |
21+ 0       0.8736      0.30  |Q        |         |         |     V   |
21+ 5       0.8757      0.30  |Q        |         |         |      V  |
21+10       0.8777      0.30  |Q        |         |         |      V  |
21+15       0.8798      0.30  |Q        |         |         |      V  |
21+20       0.8818      0.29  |Q        |         |         |      V  |
21+25       0.8838      0.29  |Q        |         |         |      V  |
21+30       0.8858      0.29  |Q        |         |         |      V  |
21+35       0.8878      0.29  |Q        |         |         |      V  |
21+40       0.8897      0.28  |Q        |         |         |      V  |
21+45       0.8917      0.28  |Q        |         |         |      V  |
21+50       0.8936      0.28  |Q        |         |         |      V  |
21+55       0.8955      0.28  |Q        |         |         |      V  |
22+ 0       0.8974      0.28  |Q        |         |         |      V  |
22+ 5       0.8993      0.27  |Q        |         |         |       V |
22+10       0.9012      0.27  |Q        |         |         |       V |
22+15       0.9030      0.27  |Q        |         |         |       V |
22+20       0.9049      0.27  |Q        |         |         |       V |
22+25       0.9067      0.27  |Q        |         |         |       V |
22+30       0.9085      0.26  |Q        |         |         |       V |
22+35       0.9103      0.26  |Q        |         |         |       V |
22+40       0.9121      0.26  |Q        |         |         |       V |
22+45       0.9139      0.26  |Q        |         |         |       V |
22+50       0.9157      0.26  |Q        |         |         |       V |
22+55       0.9174      0.26  |Q        |         |         |       V |
23+ 0       0.9192      0.25  |Q        |         |         |       V |
23+ 5       0.9209      0.25  |Q        |         |         |       V |
23+10       0.9226      0.25  |Q        |         |         |        V|
23+15       0.9243      0.25  Q        |         |         |        V|
23+20       0.9260      0.25  Q        |         |         |        V|
23+25       0.9277      0.25  Q        |         |         |        V|
23+30       0.9294      0.24  Q        |         |         |        V|
23+35       0.9311      0.24  Q        |         |         |        V|
23+40       0.9328      0.24  Q        |         |         |        V|
23+45       0.9344      0.24  Q        |         |         |        V|
23+50       0.9361      0.24  Q        |         |         |        V|
23+55       0.9377      0.24  Q        |         |         |        V|
24+ 0       0.9393      0.24  Q        |         |         |        V|
24+ 5       0.9409      0.23  Q        |         |         |        V|
24+10       0.9422      0.18  Q        |         |         |        V|
24+15       0.9430      0.12  Q        |         |         |        V|
24+20       0.9436      0.08  Q        |         |         |        V|
24+25       0.9440      0.06  Q        |         |         |        V|
24+30       0.9443      0.05  Q        |         |         |        V|
24+35       0.9446      0.04  Q        |         |         |        V|
24+40       0.9448      0.03  Q        |         |         |        V|
24+45       0.9450      0.02  Q        |         |         |        V|
24+50       0.9451      0.02  Q        |         |         |        V|
```

24+55	0.9452	0.02	Q	|	|	|	V|
25+ 0	0.9453	0.01	Q	|	|	|	V|
25+ 5	0.9454	0.01	Q	|	|	|	V|
25+10	0.9454	0.01	Q	|	|	|	V|
25+15	0.9455	0.01	Q	|	|	|	V|
25+20	0.9455	0.00	Q	|	|	|	V|
25+25	0.9455	0.00	Q	|	|	|	V|
25+30	0.9455	0.00	Q	|	|	|	V|
25+35	0.9455	0.00	Q	|	|	|	V|
25+40	0.9455	0.00	Q	|	|	|	V|

U n i t H y d r o g r a p h A n a l y s i s

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Study date 08/02/23

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San Bernardino County Synthetic Unit Hydrology Method
Manual date - August 1986

Program License Serial Number 6481

Pre-Development Condition
Unit Hydragh Method
Drainag Management Area A2
100-Year, 24-Hour Storm

Storm Event Year = 100

Antecedent Moisture Condition = 3

English (in-lb) Input Units Used

English Rainfall Data (Inches) Input Values Used

English Units used in output format

Area averaged rainfall intensity isohyetal data:

Sub-Area (Ac.)	Duration (hours)	Isohyetal (In)
Rainfall data for year 100		
15.00	1	1.49
Rainfall data for year 100		
15.00	6	3.61
Rainfall data for year 100		
15.00	24	7.18

++

******** Area-averaged max loss rate, Fm ********

SCS curve No.(AMCII)	SCS curve NO.(AMC 3)	Area (Ac.)	Area Fraction	Fp(Fig C6) (In/Hr)	Ap (dec.)	Fm (In/Hr)
67.0	84.6	15.00	1.000	0.290	1.000	0.290

Area-averaged adjusted loss rate Fm (In/Hr) = 0.290

********* Area-Averaged low loss rate fraction, Yb **********

Area (Ac.)	Area Fract	SCS CN (AMC2)	SCS CN (AMC3)	S	Pervious Yield Fr
15.00	1.000	67.0	84.6	1.82	0.749

Area-averaged catchment yield fraction, Y = 0.749
Area-averaged low loss fraction, Yb = 0.251
User entry of time of concentration = 0.183 (hours)

++

Watershed area = 15.00(Ac.)
Catchment Lag time = 0.146 hours
Unit interval = 5.000 minutes

Unit interval percentage of lag time = 56.9217
Hydrograph baseflow = 0.00(CFS)
Average maximum watershed loss rate(Fm) = 0.290(In/Hr)
Average low loss rate fraction (Yb) = 0.251 (decimal)
VALLEY UNDEVELOPED S-Graph Selected
Computed peak 5-minute rainfall = 0.551(In)
Computed peak 30-minute rainfall = 1.129(In)
Specified peak 1-hour rainfall = 1.490(In)
Computed peak 3-hour rainfall = 2.563(In)
Specified peak 6-hour rainfall = 3.610(In)
Specified peak 24-hour rainfall = 7.180(In)

Rainfall depth area reduction factors:
Using a total area of 15.00(Ac.) (Ref: fig. E-4)

5-minute factor = 0.999 Adjusted rainfall = 0.551(In)
30-minute factor = 0.999 Adjusted rainfall = 1.128(In)
1-hour factor = 0.999 Adjusted rainfall = 1.489(In)
3-hour factor = 1.000 Adjusted rainfall = 2.563(In)
6-hour factor = 1.000 Adjusted rainfall = 3.610(In)
24-hour factor = 1.000 Adjusted rainfall = 7.180(In)

U n i t H y d r o g r a p h

Interval Number	'S' Graph Mean values	Unit Hydrograph ((CFS))
	(K = 181.41 (CFS))	
1	7.532	13.663
2	39.246	57.531
3	66.771	49.933
4	77.692	19.811
5	83.976	11.398
6	88.259	7.771
7	91.370	5.642
8	93.560	3.974
9	95.304	3.164
10	96.684	2.502
11	97.734	1.906
12	98.526	1.436
13	99.115	1.069
14	99.684	1.033
15	100.000	0.572

Peak Unit Number	Adjusted mass rainfall (In)	Unit rainfall (In)
1	0.5511	0.5511
2	0.7271	0.1761
3	0.8552	0.1280
4	0.9595	0.1043
5	1.0491	0.0896
6	1.1284	0.0794
7	1.2002	0.0718
8	1.2660	0.0658
9	1.3271	0.0611
10	1.3842	0.0571
11	1.4380	0.0538
12	1.4890	0.0509
13	1.5491	0.0601
14	1.6069	0.0578
15	1.6626	0.0558
16	1.7166	0.0539
17	1.7688	0.0522
18	1.8195	0.0507
19	1.8688	0.0493
20	1.9168	0.0480
21	1.9636	0.0468
22	2.0093	0.0457
23	2.0539	0.0447
24	2.0976	0.0437

25	2.1404	0.0428
26	2.1823	0.0419
27	2.2234	0.0411
28	2.2637	0.0403
29	2.3034	0.0396
30	2.3423	0.0389
31	2.3806	0.0383
32	2.4182	0.0377
33	2.4553	0.0371
34	2.4918	0.0365
35	2.5278	0.0360
36	2.5633	0.0355
37	2.5982	0.0349
38	2.6326	0.0345
39	2.6666	0.0340
40	2.7002	0.0336
41	2.7333	0.0331
42	2.7661	0.0327
43	2.7984	0.0323
44	2.8304	0.0320
45	2.8619	0.0316
46	2.8932	0.0312
47	2.9241	0.0309
48	2.9547	0.0306
49	2.9849	0.0302
50	3.0148	0.0299
51	3.0445	0.0296
52	3.0738	0.0293
53	3.1029	0.0291
54	3.1317	0.0288
55	3.1602	0.0285
56	3.1884	0.0283
57	3.2164	0.0280
58	3.2442	0.0278
59	3.2717	0.0275
60	3.2989	0.0273
61	3.3260	0.0270
62	3.3528	0.0268
63	3.3794	0.0266
64	3.4058	0.0264
65	3.4320	0.0262
66	3.4580	0.0260
67	3.4838	0.0258
68	3.5093	0.0256
69	3.5347	0.0254
70	3.5599	0.0252
71	3.5850	0.0250
72	3.6098	0.0249
73	3.6346	0.0248
74	3.6592	0.0246
75	3.6837	0.0244
76	3.7079	0.0243
77	3.7321	0.0241
78	3.7560	0.0240
79	3.7798	0.0238
80	3.8035	0.0237
81	3.8270	0.0235
82	3.8504	0.0234
83	3.8736	0.0232
84	3.8967	0.0231
85	3.9196	0.0229
86	3.9424	0.0228
87	3.9651	0.0227
88	3.9876	0.0225
89	4.0100	0.0224
90	4.0323	0.0223
91	4.0545	0.0222
92	4.0765	0.0220
93	4.0984	0.0219
94	4.1202	0.0218
95	4.1419	0.0217
96	4.1635	0.0216
97	4.1850	0.0215

98	4.2063	0.0213
99	4.2275	0.0212
100	4.2487	0.0211
101	4.2697	0.0210
102	4.2906	0.0209
103	4.3114	0.0208
104	4.3321	0.0207
105	4.3527	0.0206
106	4.3732	0.0205
107	4.3937	0.0204
108	4.4140	0.0203
109	4.4342	0.0202
110	4.4543	0.0201
111	4.4744	0.0200
112	4.4943	0.0199
113	4.5142	0.0199
114	4.5340	0.0198
115	4.5536	0.0197
116	4.5732	0.0196
117	4.5928	0.0195
118	4.6122	0.0194
119	4.6315	0.0193
120	4.6508	0.0193
121	4.6700	0.0192
122	4.6891	0.0191
123	4.7081	0.0190
124	4.7270	0.0189
125	4.7459	0.0189
126	4.7647	0.0188
127	4.7834	0.0187
128	4.8021	0.0186
129	4.8207	0.0186
130	4.8392	0.0185
131	4.8576	0.0184
132	4.8759	0.0184
133	4.8942	0.0183
134	4.9124	0.0182
135	4.9306	0.0181
136	4.9487	0.0181
137	4.9667	0.0180
138	4.9846	0.0179
139	5.0025	0.0179
140	5.0203	0.0178
141	5.0381	0.0178
142	5.0558	0.0177
143	5.0734	0.0176
144	5.0910	0.0176
145	5.1085	0.0175
146	5.1259	0.0174
147	5.1433	0.0174
148	5.1606	0.0173
149	5.1779	0.0173
150	5.1951	0.0172
151	5.2123	0.0172
152	5.2294	0.0171
153	5.2464	0.0170
154	5.2634	0.0170
155	5.2803	0.0169
156	5.2972	0.0169
157	5.3140	0.0168
158	5.3307	0.0168
159	5.3475	0.0167
160	5.3641	0.0167
161	5.3807	0.0166
162	5.3973	0.0166
163	5.4138	0.0165
164	5.4302	0.0164
165	5.4466	0.0164
166	5.4630	0.0163
167	5.4793	0.0163
168	5.4955	0.0162
169	5.5117	0.0162
170	5.5279	0.0162

171	5.5440	0.0161
172	5.5600	0.0161
173	5.5760	0.0160
174	5.5920	0.0160
175	5.6079	0.0159
176	5.6238	0.0159
177	5.6396	0.0158
178	5.6554	0.0158
179	5.6711	0.0157
180	5.6868	0.0157
181	5.7025	0.0156
182	5.7181	0.0156
183	5.7336	0.0156
184	5.7492	0.0155
185	5.7646	0.0155
186	5.7801	0.0154
187	5.7955	0.0154
188	5.8108	0.0154
189	5.8261	0.0153
190	5.8414	0.0153
191	5.8566	0.0152
192	5.8718	0.0152
193	5.8870	0.0151
194	5.9021	0.0151
195	5.9172	0.0151
196	5.9322	0.0150
197	5.9472	0.0150
198	5.9621	0.0150
199	5.9770	0.0149
200	5.9919	0.0149
201	6.0068	0.0148
202	6.0216	0.0148
203	6.0363	0.0148
204	6.0511	0.0147
205	6.0658	0.0147
206	6.0804	0.0147
207	6.0950	0.0146
208	6.1096	0.0146
209	6.1242	0.0146
210	6.1387	0.0145
211	6.1532	0.0145
212	6.1676	0.0144
213	6.1820	0.0144
214	6.1964	0.0144
215	6.2108	0.0143
216	6.2251	0.0143
217	6.2394	0.0143
218	6.2536	0.0142
219	6.2678	0.0142
220	6.2820	0.0142
221	6.2961	0.0141
222	6.3103	0.0141
223	6.3243	0.0141
224	6.3384	0.0141
225	6.3524	0.0140
226	6.3664	0.0140
227	6.3804	0.0140
228	6.3943	0.0139
229	6.4082	0.0139
230	6.4220	0.0139
231	6.4359	0.0138
232	6.4497	0.0138
233	6.4635	0.0138
234	6.4772	0.0137
235	6.4909	0.0137
236	6.5046	0.0137
237	6.5183	0.0137
238	6.5319	0.0136
239	6.5455	0.0136
240	6.5591	0.0136
241	6.5726	0.0135
242	6.5861	0.0135
243	6.5996	0.0135

244	6.6131	0.0135
245	6.6265	0.0134
246	6.6399	0.0134
247	6.6533	0.0134
248	6.6666	0.0133
249	6.6799	0.0133
250	6.6932	0.0133
251	6.7065	0.0133
252	6.7197	0.0132
253	6.7329	0.0132
254	6.7461	0.0132
255	6.7593	0.0132
256	6.7724	0.0131
257	6.7855	0.0131
258	6.7986	0.0131
259	6.8117	0.0131
260	6.8247	0.0130
261	6.8377	0.0130
262	6.8507	0.0130
263	6.8637	0.0130
264	6.8766	0.0129
265	6.8895	0.0129
266	6.9024	0.0129
267	6.9152	0.0129
268	6.9281	0.0128
269	6.9409	0.0128
270	6.9537	0.0128
271	6.9664	0.0128
272	6.9792	0.0127
273	6.9919	0.0127
274	7.0046	0.0127
275	7.0172	0.0127
276	7.0299	0.0126
277	7.0425	0.0126
278	7.0551	0.0126
279	7.0677	0.0126
280	7.0802	0.0126
281	7.0928	0.0125
282	7.1053	0.0125
283	7.1178	0.0125
284	7.1302	0.0125
285	7.1427	0.0124
286	7.1551	0.0124
287	7.1675	0.0124
288	7.1799	0.0124

Unit Period (number)	Unit Rainfall (In)	Unit Soil-Loss (In)	Effective Rainfall (In)
1	0.0124	0.0031	0.0093
2	0.0124	0.0031	0.0093
3	0.0124	0.0031	0.0093
4	0.0125	0.0031	0.0093
5	0.0125	0.0031	0.0094
6	0.0125	0.0031	0.0094
7	0.0126	0.0032	0.0094
8	0.0126	0.0032	0.0094
9	0.0126	0.0032	0.0095
10	0.0127	0.0032	0.0095
11	0.0127	0.0032	0.0095
12	0.0127	0.0032	0.0095
13	0.0128	0.0032	0.0096
14	0.0128	0.0032	0.0096
15	0.0129	0.0032	0.0096
16	0.0129	0.0032	0.0097
17	0.0129	0.0032	0.0097
18	0.0130	0.0032	0.0097
19	0.0130	0.0033	0.0097
20	0.0130	0.0033	0.0098
21	0.0131	0.0033	0.0098
22	0.0131	0.0033	0.0098
23	0.0132	0.0033	0.0099

24	0.0132	0.0033	0.0099
25	0.0132	0.0033	0.0099
26	0.0133	0.0033	0.0099
27	0.0133	0.0033	0.0100
28	0.0133	0.0033	0.0100
29	0.0134	0.0034	0.0100
30	0.0134	0.0034	0.0101
31	0.0135	0.0034	0.0101
32	0.0135	0.0034	0.0101
33	0.0136	0.0034	0.0102
34	0.0136	0.0034	0.0102
35	0.0137	0.0034	0.0102
36	0.0137	0.0034	0.0103
37	0.0137	0.0034	0.0103
38	0.0138	0.0035	0.0103
39	0.0138	0.0035	0.0104
40	0.0139	0.0035	0.0104
41	0.0139	0.0035	0.0104
42	0.0140	0.0035	0.0105
43	0.0140	0.0035	0.0105
44	0.0141	0.0035	0.0105
45	0.0141	0.0035	0.0106
46	0.0141	0.0035	0.0106
47	0.0142	0.0036	0.0106
48	0.0142	0.0036	0.0107
49	0.0143	0.0036	0.0107
50	0.0143	0.0036	0.0107
51	0.0144	0.0036	0.0108
52	0.0144	0.0036	0.0108
53	0.0145	0.0036	0.0109
54	0.0146	0.0036	0.0109
55	0.0146	0.0037	0.0110
56	0.0147	0.0037	0.0110
57	0.0147	0.0037	0.0110
58	0.0148	0.0037	0.0111
59	0.0148	0.0037	0.0111
60	0.0149	0.0037	0.0111
61	0.0150	0.0038	0.0112
62	0.0150	0.0038	0.0112
63	0.0151	0.0038	0.0113
64	0.0151	0.0038	0.0113
65	0.0152	0.0038	0.0114
66	0.0152	0.0038	0.0114
67	0.0153	0.0038	0.0115
68	0.0154	0.0039	0.0115
69	0.0154	0.0039	0.0116
70	0.0155	0.0039	0.0116
71	0.0156	0.0039	0.0117
72	0.0156	0.0039	0.0117
73	0.0157	0.0039	0.0118
74	0.0157	0.0039	0.0118
75	0.0158	0.0040	0.0119
76	0.0159	0.0040	0.0119
77	0.0160	0.0040	0.0120
78	0.0160	0.0040	0.0120
79	0.0161	0.0040	0.0121
80	0.0162	0.0041	0.0121
81	0.0162	0.0041	0.0122
82	0.0163	0.0041	0.0122
83	0.0164	0.0041	0.0123
84	0.0164	0.0041	0.0123
85	0.0166	0.0042	0.0124
86	0.0166	0.0042	0.0124
87	0.0167	0.0042	0.0125
88	0.0168	0.0042	0.0126
89	0.0169	0.0042	0.0126
90	0.0169	0.0042	0.0127
91	0.0170	0.0043	0.0128
92	0.0171	0.0043	0.0128
93	0.0172	0.0043	0.0129
94	0.0173	0.0043	0.0129
95	0.0174	0.0044	0.0130
96	0.0174	0.0044	0.0131

97	0.0176	0.0044	0.0132
98	0.0176	0.0044	0.0132
99	0.0178	0.0045	0.0133
100	0.0178	0.0045	0.0134
101	0.0179	0.0045	0.0134
102	0.0180	0.0045	0.0135
103	0.0181	0.0046	0.0136
104	0.0182	0.0046	0.0136
105	0.0184	0.0046	0.0138
106	0.0184	0.0046	0.0138
107	0.0186	0.0047	0.0139
108	0.0186	0.0047	0.0140
109	0.0188	0.0047	0.0141
110	0.0189	0.0047	0.0141
111	0.0190	0.0048	0.0143
112	0.0191	0.0048	0.0143
113	0.0193	0.0048	0.0144
114	0.0193	0.0049	0.0145
115	0.0195	0.0049	0.0146
116	0.0196	0.0049	0.0147
117	0.0198	0.0050	0.0148
118	0.0199	0.0050	0.0149
119	0.0200	0.0050	0.0150
120	0.0201	0.0050	0.0151
121	0.0203	0.0051	0.0152
122	0.0204	0.0051	0.0153
123	0.0206	0.0052	0.0154
124	0.0207	0.0052	0.0155
125	0.0209	0.0052	0.0157
126	0.0210	0.0053	0.0157
127	0.0212	0.0053	0.0159
128	0.0213	0.0054	0.0160
129	0.0216	0.0054	0.0162
130	0.0217	0.0054	0.0162
131	0.0219	0.0055	0.0164
132	0.0220	0.0055	0.0165
133	0.0223	0.0056	0.0167
134	0.0224	0.0056	0.0168
135	0.0227	0.0057	0.0170
136	0.0228	0.0057	0.0171
137	0.0231	0.0058	0.0173
138	0.0232	0.0058	0.0174
139	0.0235	0.0059	0.0176
140	0.0237	0.0059	0.0177
141	0.0240	0.0060	0.0180
142	0.0241	0.0060	0.0181
143	0.0244	0.0061	0.0183
144	0.0246	0.0062	0.0184
145	0.0249	0.0062	0.0186
146	0.0250	0.0063	0.0188
147	0.0254	0.0064	0.0190
148	0.0256	0.0064	0.0192
149	0.0260	0.0065	0.0195
150	0.0262	0.0066	0.0196
151	0.0266	0.0067	0.0199
152	0.0268	0.0067	0.0201
153	0.0273	0.0068	0.0204
154	0.0275	0.0069	0.0206
155	0.0280	0.0070	0.0210
156	0.0283	0.0071	0.0212
157	0.0288	0.0072	0.0216
158	0.0291	0.0073	0.0218
159	0.0296	0.0074	0.0222
160	0.0299	0.0075	0.0224
161	0.0306	0.0077	0.0229
162	0.0309	0.0077	0.0231
163	0.0316	0.0079	0.0237
164	0.0320	0.0080	0.0239
165	0.0327	0.0082	0.0245
166	0.0331	0.0083	0.0248
167	0.0340	0.0085	0.0255
168	0.0345	0.0086	0.0258
169	0.0355	0.0089	0.0266

170	0.0360	0.0090	0.0270
171	0.0371	0.0093	0.0278
172	0.0377	0.0094	0.0282
173	0.0389	0.0098	0.0292
174	0.0396	0.0099	0.0297
175	0.0411	0.0103	0.0308
176	0.0419	0.0105	0.0314
177	0.0437	0.0110	0.0327
178	0.0447	0.0112	0.0335
179	0.0468	0.0117	0.0351
180	0.0480	0.0120	0.0360
181	0.0507	0.0127	0.0380
182	0.0522	0.0131	0.0391
183	0.0558	0.0140	0.0418
184	0.0578	0.0145	0.0433
185	0.0509	0.0128	0.0382
186	0.0538	0.0135	0.0403
187	0.0611	0.0153	0.0458
188	0.0658	0.0165	0.0493
189	0.0794	0.0199	0.0595
190	0.0896	0.0225	0.0671
191	0.1280	0.0242	0.1039
192	0.1761	0.0242	0.1519
193	0.5511	0.0242	0.5269
194	0.1043	0.0242	0.0801
195	0.0718	0.0180	0.0538
196	0.0571	0.0143	0.0428
197	0.0601	0.0151	0.0450
198	0.0539	0.0135	0.0404
199	0.0493	0.0124	0.0369
200	0.0457	0.0115	0.0342
201	0.0428	0.0107	0.0320
202	0.0403	0.0101	0.0302
203	0.0383	0.0096	0.0287
204	0.0365	0.0092	0.0274
205	0.0349	0.0088	0.0262
206	0.0336	0.0084	0.0251
207	0.0323	0.0081	0.0242
208	0.0312	0.0078	0.0234
209	0.0302	0.0076	0.0227
210	0.0293	0.0074	0.0220
211	0.0285	0.0072	0.0214
212	0.0278	0.0070	0.0208
213	0.0270	0.0068	0.0203
214	0.0264	0.0066	0.0198
215	0.0258	0.0065	0.0193
216	0.0252	0.0063	0.0189
217	0.0248	0.0062	0.0186
218	0.0243	0.0061	0.0182
219	0.0238	0.0060	0.0178
220	0.0234	0.0059	0.0175
221	0.0229	0.0058	0.0172
222	0.0225	0.0057	0.0169
223	0.0222	0.0056	0.0166
224	0.0218	0.0055	0.0163
225	0.0215	0.0054	0.0161
226	0.0211	0.0053	0.0158
227	0.0208	0.0052	0.0156
228	0.0205	0.0051	0.0154
229	0.0202	0.0051	0.0152
230	0.0199	0.0050	0.0149
231	0.0197	0.0049	0.0147
232	0.0194	0.0049	0.0146
233	0.0192	0.0048	0.0144
234	0.0189	0.0048	0.0142
235	0.0187	0.0047	0.0140
236	0.0185	0.0046	0.0139
237	0.0183	0.0046	0.0137
238	0.0181	0.0045	0.0135
239	0.0179	0.0045	0.0134
240	0.0177	0.0044	0.0133
241	0.0175	0.0044	0.0131
242	0.0173	0.0043	0.0130

243	0.0172	0.0043	0.0128
244	0.0170	0.0043	0.0127
245	0.0168	0.0042	0.0126
246	0.0167	0.0042	0.0125
247	0.0165	0.0041	0.0124
248	0.0163	0.0041	0.0122
249	0.0162	0.0041	0.0121
250	0.0161	0.0040	0.0120
251	0.0159	0.0040	0.0119
252	0.0158	0.0040	0.0118
253	0.0156	0.0039	0.0117
254	0.0155	0.0039	0.0116
255	0.0154	0.0039	0.0115
256	0.0153	0.0038	0.0114
257	0.0151	0.0038	0.0114
258	0.0150	0.0038	0.0113
259	0.0149	0.0037	0.0112
260	0.0148	0.0037	0.0111
261	0.0147	0.0037	0.0110
262	0.0146	0.0037	0.0109
263	0.0145	0.0036	0.0109
264	0.0144	0.0036	0.0108
265	0.0143	0.0036	0.0107
266	0.0142	0.0036	0.0106
267	0.0141	0.0035	0.0106
268	0.0140	0.0035	0.0105
269	0.0139	0.0035	0.0104
270	0.0138	0.0035	0.0103
271	0.0137	0.0034	0.0103
272	0.0136	0.0034	0.0102
273	0.0135	0.0034	0.0101
274	0.0135	0.0034	0.0101
275	0.0134	0.0034	0.0100
276	0.0133	0.0033	0.0100
277	0.0132	0.0033	0.0099
278	0.0131	0.0033	0.0098
279	0.0131	0.0033	0.0098
280	0.0130	0.0033	0.0097
281	0.0129	0.0032	0.0097
282	0.0128	0.0032	0.0096
283	0.0128	0.0032	0.0096
284	0.0127	0.0032	0.0095
285	0.0126	0.0032	0.0095
286	0.0126	0.0031	0.0094
287	0.0125	0.0031	0.0094
288	0.0124	0.0031	0.0093

Total soil rain loss = 1.66(In)
Total effective rainfall = 5.52(In)
Peak flow rate in flood hydrograph = 43.21(CFS)

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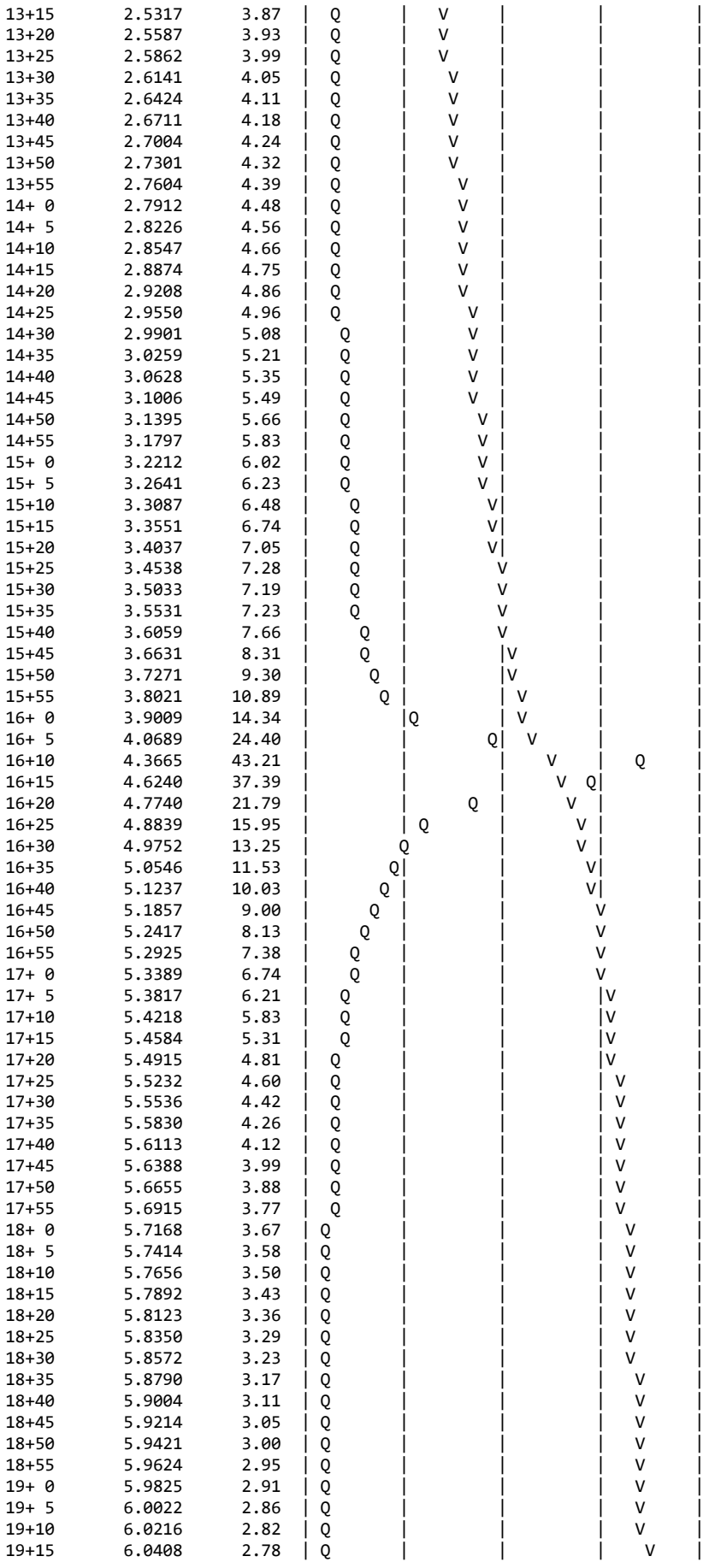
24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	12.5	25.0	37.5	50.0
0+ 5	0.0009	0.13	Q	|	|	|	|
0+10	0.0054	0.66	Q	|	|	|	|
0+15	0.0132	1.12	Q	|	|	|	|
0+20	0.0222	1.31	VQ	|	|	|	|
0+25	0.0320	1.42	VQ	|	|	|	|
0+30	0.0423	1.50	VQ	|	|	|	|
0+35	0.0530	1.55	VQ	|	|	|	|
0+40	0.0640	1.59	VQ	|	|	|	|
0+45	0.0752	1.63	VQ	|	|	|	|
0+50	0.0866	1.65	VQ	|	|	|	|
0+55	0.0981	1.68	VQ	|	|	|	|
1+ 0	0.1098	1.70	VQ	|	|	|	|

1+ 5	0.1216	1.71	VQ	|	|	|	|
1+10	0.1334	1.72	VQ	|	|	|	|
1+15	0.1454	1.73	VQ	|	|	|	|
1+20	0.1573	1.74	VQ	|	|	|	|
1+25	0.1694	1.74	VQ	|	|	|	|
1+30	0.1814	1.75	|Q	|	|	|	|
1+35	0.1935	1.75	|Q	|	|	|	|
1+40	0.2056	1.76	|Q	|	|	|	|
1+45	0.2177	1.76	|Q	|	|	|	|
1+50	0.2299	1.77	|Q	|	|	|	|
1+55	0.2421	1.77	|Q	|	|	|	|
2+ 0	0.2544	1.78	|Q	|	|	|	|
2+ 5	0.2667	1.78	|Q	|	|	|	|
2+10	0.2790	1.79	|Q	|	|	|	|
2+15	0.2914	1.80	|Q	|	|	|	|
2+20	0.3038	1.80	|Q	|	|	|	|
2+25	0.3162	1.81	|Q	|	|	|	|
2+30	0.3287	1.81	|Q	|	|	|	|
2+35	0.3412	1.82	|Q	|	|	|	|
2+40	0.3538	1.82	|QV	|	|	|	|
2+45	0.3663	1.83	|QV	|	|	|	|
2+50	0.3790	1.83	|QV	|	|	|	|
2+55	0.3916	1.84	|QV	|	|	|	|
3+ 0	0.4044	1.85	|QV	|	|	|	|
3+ 5	0.4171	1.85	|QV	|	|	|	|
3+10	0.4299	1.86	|QV	|	|	|	|
3+15	0.4427	1.86	|QV	|	|	|	|
3+20	0.4556	1.87	|QV	|	|	|	|
3+25	0.4685	1.88	|QV	|	|	|	|
3+30	0.4815	1.88	|QV	|	|	|	|
3+35	0.4945	1.89	|QV	|	|	|	|
3+40	0.5075	1.89	|QV	|	|	|	|
3+45	0.5206	1.90	|Q V	|	|	|	|
3+50	0.5337	1.91	|Q V	|	|	|	|
3+55	0.5469	1.91	|Q V	|	|	|	|
4+ 0	0.5601	1.92	|Q V	|	|	|	|
4+ 5	0.5734	1.93	|Q V	|	|	|	|
4+10	0.5867	1.93	|Q V	|	|	|	|
4+15	0.6001	1.94	|Q V	|	|	|	|
4+20	0.6135	1.95	|Q V	|	|	|	|
4+25	0.6269	1.95	|Q V	|	|	|	|
4+30	0.6404	1.96	|Q V	|	|	|	|
4+35	0.6540	1.97	|Q V	|	|	|	|
4+40	0.6676	1.97	|Q V	|	|	|	|
4+45	0.6812	1.98	|Q V	|	|	|	|
4+50	0.6949	1.99	|Q V	|	|	|	|
4+55	0.7087	2.00	|Q V	|	|	|	|
5+ 0	0.7225	2.00	|Q V	|	|	|	|
5+ 5	0.7363	2.01	|Q V	|	|	|	|
5+10	0.7502	2.02	|Q V	|	|	|	|
5+15	0.7642	2.03	|Q V	|	|	|	|
5+20	0.7782	2.03	|Q V	|	|	|	|
5+25	0.7923	2.04	|Q V	|	|	|	|
5+30	0.8064	2.05	|Q V	|	|	|	|
5+35	0.8206	2.06	|Q V	|	|	|	|
5+40	0.8348	2.07	|Q V	|	|	|	|
5+45	0.8491	2.07	|Q V	|	|	|	|
5+50	0.8634	2.08	|Q V	|	|	|	|
5+55	0.8778	2.09	|Q V	|	|	|	|
6+ 0	0.8923	2.10	|Q V	|	|	|	|
6+ 5	0.9068	2.11	|Q V	|	|	|	|
6+10	0.9214	2.12	|Q V	|	|	|	|
6+15	0.9360	2.13	|Q V	|	|	|	|
6+20	0.9507	2.13	|Q V	|	|	|	|
6+25	0.9655	2.14	|Q V	|	|	|	|
6+30	0.9803	2.15	|Q V	|	|	|	|
6+35	0.9952	2.16	|Q V	|	|	|	|
6+40	1.0102	2.17	|Q V	|	|	|	|
6+45	1.0252	2.18	|Q V	|	|	|	|
6+50	1.0403	2.19	|Q V	|	|	|	|
6+55	1.0555	2.20	|Q V	|	|	|	|
7+ 0	1.0707	2.21	|Q V	|	|	|	|
7+ 5	1.0860	2.22	|Q V	|	|	|	|

7+10	1.1013	2.23	Q V				
7+15	1.1168	2.24	Q V				
7+20	1.1323	2.25	Q V				
7+25	1.1479	2.26	Q V				
7+30	1.1635	2.27	Q V				
7+35	1.1793	2.28	Q V				
7+40	1.1951	2.30	Q V				
7+45	1.2110	2.31	Q V				
7+50	1.2269	2.32	Q V				
7+55	1.2430	2.33	Q V				
8+ 0	1.2591	2.34	Q V				
8+ 5	1.2753	2.35	Q V				
8+10	1.2916	2.37	Q V				
8+15	1.3080	2.38	Q V				
8+20	1.3244	2.39	Q V				
8+25	1.3410	2.40	Q V				
8+30	1.3576	2.42	Q V				
8+35	1.3744	2.43	Q V				
8+40	1.3912	2.44	Q V				
8+45	1.4081	2.46	Q V				
8+50	1.4251	2.47	Q V				
8+55	1.4422	2.48	Q V				
9+ 0	1.4594	2.50	Q V				
9+ 5	1.4767	2.51	Q V				
9+10	1.4941	2.53	Q V				
9+15	1.5116	2.54	Q V				
9+20	1.5293	2.56	Q V				
9+25	1.5470	2.57	Q V				
9+30	1.5648	2.59	Q V				
9+35	1.5828	2.61	Q V				
9+40	1.6008	2.62	Q V				
9+45	1.6190	2.64	Q V				
9+50	1.6373	2.66	Q V				
9+55	1.6557	2.67	Q V				
10+ 0	1.6742	2.69	Q V				
10+ 5	1.6929	2.71	Q V				
10+10	1.7117	2.73	Q V				
10+15	1.7306	2.75	Q V				
10+20	1.7497	2.77	Q V				
10+25	1.7689	2.79	Q V				
10+30	1.7882	2.81	Q V				
10+35	1.8077	2.83	Q V				
10+40	1.8273	2.85	Q V				
10+45	1.8470	2.87	Q V				
10+50	1.8670	2.89	Q V				
10+55	1.8870	2.91	Q V				
11+ 0	1.9073	2.94	Q V				
11+ 5	1.9277	2.96	Q V				
11+10	1.9482	2.99	Q V				
11+15	1.9689	3.01	Q V				
11+20	1.9899	3.04	Q V				
11+25	2.0109	3.06	Q V				
11+30	2.0322	3.09	Q V				
11+35	2.0537	3.12	Q V				
11+40	2.0753	3.14	Q V				
11+45	2.0972	3.17	Q V				
11+50	2.1192	3.20	Q V				
11+55	2.1415	3.23	Q V				
12+ 0	2.1640	3.27	Q V				
12+ 5	2.1867	3.30	Q V				
12+10	2.2096	3.33	Q V				
12+15	2.2327	3.36	Q V				
12+20	2.2561	3.39	Q V				
12+25	2.2797	3.43	Q V				
12+30	2.3035	3.46	Q V				
12+35	2.3277	3.50	Q V				
12+40	2.3521	3.54	Q V				
12+45	2.3768	3.59	Q V				
12+50	2.4018	3.63	Q V				
12+55	2.4271	3.67	Q V				
13+ 0	2.4527	3.72	Q V				
13+ 5	2.4787	3.77	Q V				
13+10	2.5050	3.82	Q V				



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19+20       6.0596      2.74  | Q       |         |         |    V    |
19+25       6.0783      2.70  | Q       |         |         |    V    |
19+30       6.0966      2.67  | Q       |         |         |    V    |
19+35       6.1148      2.63  | Q       |         |         |    V    |
19+40       6.1327      2.60  | Q       |         |         |    V    |
19+45       6.1504      2.57  | Q       |         |         |    V    |
19+50       6.1678      2.54  | Q       |         |         |    V    |
19+55       6.1851      2.51  | Q       |         |         |    V    |
20+ 0       6.2022      2.48  |Q        |         |         |    V    |
20+ 5       6.2191      2.45  |Q        |         |         |     V   |
20+10       6.2357      2.42  |Q        |         |         |     V   |
20+15       6.2523      2.40  |Q        |         |         |     V   |
20+20       6.2686      2.37  |Q        |         |         |     V   |
20+25       6.2848      2.35  |Q        |         |         |     V   |
20+30       6.3008      2.33  |Q        |         |         |     V   |
20+35       6.3166      2.30  |Q        |         |         |     V   |
20+40       6.3323      2.28  |Q        |         |         |     V   |
20+45       6.3479      2.26  |Q        |         |         |     V   |
20+50       6.3633      2.24  |Q        |         |         |     V   |
20+55       6.3786      2.22  |Q        |         |         |     V   |
21+ 0       6.3937      2.20  |Q        |         |         |      V  |
21+ 5       6.4087      2.18  |Q        |         |         |      V  |
21+10       6.4236      2.16  |Q        |         |         |      V  |
21+15       6.4383      2.14  |Q        |         |         |      V  |
21+20       6.4529      2.12  |Q        |         |         |      V  |
21+25       6.4674      2.10  |Q        |         |         |      V  |
21+30       6.4818      2.09  |Q        |         |         |      V  |
21+35       6.4960      2.07  |Q        |         |         |      V  |
21+40       6.5102      2.05  |Q        |         |         |      V  |
21+45       6.5242      2.04  |Q        |         |         |      V  |
21+50       6.5382      2.02  |Q        |         |         |      V  |
21+55       6.5520      2.01  |Q        |         |         |      V  |
22+ 0       6.5657      1.99  |Q        |         |         |       V |
22+ 5       6.5794      1.98  |Q        |         |         |       V |
22+10       6.5929      1.96  |Q        |         |         |       V |
22+15       6.6063      1.95  |Q        |         |         |       V |
22+20       6.6197      1.94  |Q        |         |         |       V |
22+25       6.6329      1.92  |Q        |         |         |       V |
22+30       6.6461      1.91  |Q        |         |         |       V |
22+35       6.6591      1.90  |Q        |         |         |       V |
22+40       6.6721      1.88  |Q        |         |         |       V |
22+45       6.6850      1.87  |Q        |         |         |       V |
22+50       6.6978      1.86  |Q        |         |         |       V |
22+55       6.7105      1.85  |Q        |         |         |       V |
23+ 0       6.7232      1.84  |Q        |         |         |       V |
23+ 5       6.7358      1.83  |Q        |         |         |        V|
23+10       6.7483      1.81  |Q        |         |         |        V|
23+15       6.7607      1.80  |Q        |         |         |        V|
23+20       6.7730      1.79  |Q        |         |         |        V|
23+25       6.7853      1.78  |Q        |         |         |        V|
23+30       6.7975      1.77  |Q        |         |         |        V|
23+35       6.8096      1.76  |Q        |         |         |        V|
23+40       6.8217      1.75  |Q        |         |         |        V|
23+45       6.8337      1.74  |Q        |         |         |        V|
23+50       6.8456      1.73  |Q        |         |         |        V|
23+55       6.8575      1.72  |Q        |         |         |        V|
24+ 0       6.8693      1.71  |Q        |         |         |        V|
24+ 5       6.8801      1.58  |Q        |         |         |        V|
24+10       6.8873      1.04  Q         |         |         |        V|
24+15       6.8912      0.57  Q         |         |         |        V|
24+20       6.8938      0.38  Q         |         |         |        V|
24+25       6.8957      0.27  Q         |         |         |        V|
24+30       6.8971      0.20  Q         |         |         |        V|
24+35       6.8981      0.15  Q         |         |         |        V|
24+40       6.8989      0.11  Q         |         |         |        V|
24+45       6.8994      0.08  Q         |         |         |        V|
24+50       6.8998      0.06  Q         |         |         |        V|
24+55       6.9001      0.04  Q         |         |         |        V|
25+ 0       6.9002      0.02  Q         |         |         |        V|
25+ 5       6.9003      0.01  Q         |         |         |        V|
25+10       6.9004      0.01  Q         |         |         |         V
-------------------------------------------------------------------------
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U n i t H y d r o g r a p h A n a l y s i s

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Study date 08/02/23

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San Bernardino County Synthetic Unit Hydrology Method
Manual date - August 1986

Program License Serial Number 6481

Pre-Development Condition
Unit Hydragh Method
Drainag Management Area A3
100-Year, 24-Hour Storm

Storm Event Year = 100

Antecedent Moisture Condition = 3

English (in-lb) Input Units Used

English Rainfall Data (Inches) Input Values Used

English Units used in output format

Area averaged rainfall intensity isohyetal data:

Sub-Area (Ac.)	Duration (hours)	Isohyetal (In)
Rainfall data for year 100		
0.39	1	1.49
Rainfall data for year 100		
0.39	6	3.61
Rainfall data for year 100		
0.39	24	7.18

++

******** Area-averaged max loss rate, Fm ********

SCS curve No.(AMCII)	SCS curve NO.(AMC 3)	Area (Ac.)	Area Fraction	Fp(Fig C6) (In/Hr)	Ap (dec.)	Fm (In/Hr)
67.0	84.6	0.39	1.000	0.290	1.000	0.290

Area-averaged adjusted loss rate Fm (In/Hr) = 0.290

********* Area-Averaged low loss rate fraction, Yb **********

Area (Ac.)	Area Fract	SCS CN (AMC2)	SCS CN (AMC3)	S	Pervious Yield Fr
0.39	1.000	67.0	84.6	1.82	0.749

Area-averaged catchment yield fraction, Y = 0.749
Area-averaged low loss fraction, Yb = 0.251
User entry of time of concentration = 0.265 (hours)

++
Watershed area = 0.39(Ac.)
Catchment Lag time = 0.212 hours
Unit interval = 5.000 minutes

Unit interval percentage of lag time = 39.3082
Hydrograph baseflow = 0.00(CFS)
Average maximum watershed loss rate(Fm) = 0.290(In/Hr)
Average low loss rate fraction (Yb) = 0.251 (decimal)
VALLEY UNDEVELOPED S-Graph Selected
Computed peak 5-minute rainfall = 0.551(In)
Computed peak 30-minute rainfall = 1.129(In)
Specified peak 1-hour rainfall = 1.490(In)
Computed peak 3-hour rainfall = 2.563(In)
Specified peak 6-hour rainfall = 3.610(In)
Specified peak 24-hour rainfall = 7.180(In)

Rainfall depth area reduction factors:
Using a total area of 0.39(Ac.) (Ref: fig. E-4)

5-minute factor = 1.000 Adjusted rainfall = 0.551(In)
30-minute factor = 1.000 Adjusted rainfall = 1.129(In)
1-hour factor = 1.000 Adjusted rainfall = 1.490(In)
3-hour factor = 1.000 Adjusted rainfall = 2.563(In)
6-hour factor = 1.000 Adjusted rainfall = 3.610(In)
24-hour factor = 1.000 Adjusted rainfall = 7.180(In)

U n i t H y d r o g r a p h

Interval Number	'S' Graph Mean values	Unit Hydrograph ((CFS))
	(K = 4.72 (CFS))	
1	4.244	0.200
2	21.589	0.818
3	47.952	1.243
4	65.737	0.839
5	74.463	0.412
6	79.909	0.257
7	83.954	0.191
8	87.094	0.148
9	89.544	0.116
10	91.531	0.094
11	93.100	0.074
12	94.353	0.059
13	95.528	0.055
14	96.475	0.045
15	97.259	0.037
16	97.924	0.031
17	98.463	0.025
18	98.879	0.020
19	99.272	0.019
20	99.665	0.019
21	100.000	0.016

Peak Unit Number	Adjusted mass rainfall (In)	Unit rainfall (In)
1	0.5514	0.5514
2	0.7276	0.1762
3	0.8558	0.1281
4	0.9601	0.1044
5	1.0498	0.0896
6	1.1292	0.0794
7	1.2010	0.0718
8	1.2669	0.0659
9	1.3280	0.0611
10	1.3852	0.0572
11	1.4390	0.0538
12	1.4900	0.0510
13	1.5501	0.0601
14	1.6078	0.0578
15	1.6636	0.0557
16	1.7175	0.0539
17	1.7697	0.0522
18	1.8203	0.0507

19	1.8696	0.0493
20	1.9176	0.0480
21	1.9643	0.0468
22	2.0100	0.0457
23	2.0546	0.0446
24	2.0983	0.0436
25	2.1410	0.0427
26	2.1829	0.0419
27	2.2239	0.0411
28	2.2642	0.0403
29	2.3038	0.0396
30	2.3427	0.0389
31	2.3810	0.0382
32	2.4186	0.0376
33	2.4557	0.0370
34	2.4921	0.0365
35	2.5281	0.0359
36	2.5635	0.0354
37	2.5984	0.0349
38	2.6329	0.0345
39	2.6669	0.0340
40	2.7004	0.0336
41	2.7335	0.0331
42	2.7663	0.0327
43	2.7986	0.0323
44	2.8306	0.0320
45	2.8622	0.0316
46	2.8934	0.0312
47	2.9243	0.0309
48	2.9549	0.0306
49	2.9851	0.0302
50	3.0150	0.0299
51	3.0447	0.0296
52	3.0740	0.0293
53	3.1031	0.0291
54	3.1318	0.0288
55	3.1604	0.0285
56	3.1886	0.0283
57	3.2166	0.0280
58	3.2444	0.0277
59	3.2719	0.0275
60	3.2991	0.0273
61	3.3262	0.0270
62	3.3530	0.0268
63	3.3796	0.0266
64	3.4060	0.0264
65	3.4322	0.0262
66	3.4581	0.0260
67	3.4839	0.0258
68	3.5095	0.0256
69	3.5349	0.0254
70	3.5601	0.0252
71	3.5851	0.0250
72	3.6100	0.0249
73	3.6348	0.0248
74	3.6594	0.0246
75	3.6838	0.0244
76	3.7081	0.0243
77	3.7322	0.0241
78	3.7562	0.0240
79	3.7800	0.0238
80	3.8037	0.0237
81	3.8272	0.0235
82	3.8505	0.0234
83	3.8738	0.0232
84	3.8968	0.0231
85	3.9198	0.0229
86	3.9426	0.0228
87	3.9653	0.0227
88	3.9878	0.0225
89	4.0102	0.0224
90	4.0325	0.0223
91	4.0547	0.0222

92	4.0767	0.0220
93	4.0986	0.0219
94	4.1204	0.0218
95	4.1421	0.0217
96	4.1637	0.0216
97	4.1851	0.0215
98	4.2065	0.0213
99	4.2277	0.0212
100	4.2488	0.0211
101	4.2698	0.0210
102	4.2908	0.0209
103	4.3116	0.0208
104	4.3323	0.0207
105	4.3529	0.0206
106	4.3734	0.0205
107	4.3938	0.0204
108	4.4141	0.0203
109	4.4344	0.0202
110	4.4545	0.0201
111	4.4745	0.0200
112	4.4945	0.0199
113	4.5144	0.0199
114	4.5341	0.0198
115	4.5538	0.0197
116	4.5734	0.0196
117	4.5929	0.0195
118	4.6123	0.0194
119	4.6317	0.0193
120	4.6510	0.0193
121	4.6701	0.0192
122	4.6892	0.0191
123	4.7083	0.0190
124	4.7272	0.0189
125	4.7461	0.0189
126	4.7649	0.0188
127	4.7836	0.0187
128	4.8022	0.0186
129	4.8208	0.0186
130	4.8393	0.0185
131	4.8577	0.0184
132	4.8761	0.0184
133	4.8944	0.0183
134	4.9126	0.0182
135	4.9308	0.0181
136	4.9488	0.0181
137	4.9669	0.0180
138	4.9848	0.0179
139	5.0027	0.0179
140	5.0205	0.0178
141	5.0383	0.0178
142	5.0559	0.0177
143	5.0736	0.0176
144	5.0911	0.0176
145	5.1087	0.0175
146	5.1261	0.0174
147	5.1435	0.0174
148	5.1608	0.0173
149	5.1781	0.0173
150	5.1953	0.0172
151	5.2124	0.0172
152	5.2295	0.0171
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154	5.2635	0.0170
155	5.2805	0.0169
156	5.2973	0.0169
157	5.3141	0.0168
158	5.3309	0.0168
159	5.3476	0.0167
160	5.3643	0.0167
161	5.3809	0.0166
162	5.3974	0.0166
163	5.4139	0.0165
164	5.4304	0.0164

165	5.4468	0.0164
166	5.4631	0.0163
167	5.4794	0.0163
168	5.4957	0.0162
169	5.5119	0.0162
170	5.5280	0.0162
171	5.5441	0.0161
172	5.5602	0.0161
173	5.5762	0.0160
174	5.5922	0.0160
175	5.6081	0.0159
176	5.6239	0.0159
177	5.6398	0.0158
178	5.6556	0.0158
179	5.6713	0.0157
180	5.6870	0.0157
181	5.7026	0.0156
182	5.7182	0.0156
183	5.7338	0.0156
184	5.7493	0.0155
185	5.7648	0.0155
186	5.7802	0.0154
187	5.7956	0.0154
188	5.8110	0.0154
189	5.8263	0.0153
190	5.8416	0.0153
191	5.8568	0.0152
192	5.8720	0.0152
193	5.8871	0.0151
194	5.9022	0.0151
195	5.9173	0.0151
196	5.9323	0.0150
197	5.9473	0.0150
198	5.9623	0.0150
199	5.9772	0.0149
200	5.9921	0.0149
201	6.0069	0.0148
202	6.0217	0.0148
203	6.0365	0.0148
204	6.0512	0.0147
205	6.0659	0.0147
206	6.0806	0.0147
207	6.0952	0.0146
208	6.1098	0.0146
209	6.1243	0.0146
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211	6.1533	0.0145
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216	6.2252	0.0143
217	6.2395	0.0143
218	6.2538	0.0142
219	6.2680	0.0142
220	6.2821	0.0142
221	6.2963	0.0141
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223	6.3245	0.0141
224	6.3385	0.0141
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229	6.4083	0.0139
230	6.4222	0.0139
231	6.4360	0.0138
232	6.4498	0.0138
233	6.4636	0.0138
234	6.4773	0.0137
235	6.4911	0.0137
236	6.5047	0.0137
237	6.5184	0.0137

238	6.5320	0.0136
239	6.5456	0.0136
240	6.5592	0.0136
241	6.5727	0.0135
242	6.5863	0.0135
243	6.5997	0.0135
244	6.6132	0.0135
245	6.6266	0.0134
246	6.6400	0.0134
247	6.6534	0.0134
248	6.6667	0.0133
249	6.6801	0.0133
250	6.6934	0.0133
251	6.7066	0.0133
252	6.7199	0.0132
253	6.7331	0.0132
254	6.7463	0.0132
255	6.7594	0.0132
256	6.7726	0.0131
257	6.7857	0.0131
258	6.7988	0.0131
259	6.8118	0.0131
260	6.8248	0.0130
261	6.8378	0.0130
262	6.8508	0.0130
263	6.8638	0.0130
264	6.8767	0.0129
265	6.8896	0.0129
266	6.9025	0.0129
267	6.9154	0.0129
268	6.9282	0.0128
269	6.9410	0.0128
270	6.9538	0.0128
271	6.9666	0.0128
272	6.9793	0.0127
273	6.9920	0.0127
274	7.0047	0.0127
275	7.0174	0.0127
276	7.0300	0.0126
277	7.0426	0.0126
278	7.0552	0.0126
279	7.0678	0.0126
280	7.0804	0.0126
281	7.0929	0.0125
282	7.1054	0.0125
283	7.1179	0.0125
284	7.1304	0.0125
285	7.1428	0.0124
286	7.1552	0.0124
287	7.1676	0.0124
288	7.1800	0.0124

Unit Period (number)	Unit Rainfall (In)	Unit Soil-Loss (In)	Effective Rainfall (In)
1	0.0124	0.0031	0.0093
2	0.0124	0.0031	0.0093
3	0.0124	0.0031	0.0093
4	0.0125	0.0031	0.0093
5	0.0125	0.0031	0.0094
6	0.0125	0.0031	0.0094
7	0.0126	0.0032	0.0094
8	0.0126	0.0032	0.0094
9	0.0126	0.0032	0.0095
10	0.0127	0.0032	0.0095
11	0.0127	0.0032	0.0095
12	0.0127	0.0032	0.0095
13	0.0128	0.0032	0.0096
14	0.0128	0.0032	0.0096
15	0.0129	0.0032	0.0096
16	0.0129	0.0032	0.0097
17	0.0129	0.0032	0.0097

18	0.0130	0.0032	0.0097
19	0.0130	0.0033	0.0097
20	0.0130	0.0033	0.0098
21	0.0131	0.0033	0.0098
22	0.0131	0.0033	0.0098
23	0.0132	0.0033	0.0099
24	0.0132	0.0033	0.0099
25	0.0132	0.0033	0.0099
26	0.0133	0.0033	0.0099
27	0.0133	0.0033	0.0100
28	0.0133	0.0033	0.0100
29	0.0134	0.0034	0.0100
30	0.0134	0.0034	0.0101
31	0.0135	0.0034	0.0101
32	0.0135	0.0034	0.0101
33	0.0136	0.0034	0.0102
34	0.0136	0.0034	0.0102
35	0.0137	0.0034	0.0102
36	0.0137	0.0034	0.0103
37	0.0137	0.0034	0.0103
38	0.0138	0.0035	0.0103
39	0.0138	0.0035	0.0104
40	0.0139	0.0035	0.0104
41	0.0139	0.0035	0.0104
42	0.0140	0.0035	0.0105
43	0.0140	0.0035	0.0105
44	0.0141	0.0035	0.0105
45	0.0141	0.0035	0.0106
46	0.0141	0.0035	0.0106
47	0.0142	0.0036	0.0106
48	0.0142	0.0036	0.0107
49	0.0143	0.0036	0.0107
50	0.0143	0.0036	0.0107
51	0.0144	0.0036	0.0108
52	0.0144	0.0036	0.0108
53	0.0145	0.0036	0.0109
54	0.0146	0.0036	0.0109
55	0.0146	0.0037	0.0110
56	0.0147	0.0037	0.0110
57	0.0147	0.0037	0.0110
58	0.0148	0.0037	0.0111
59	0.0148	0.0037	0.0111
60	0.0149	0.0037	0.0111
61	0.0150	0.0038	0.0112
62	0.0150	0.0038	0.0112
63	0.0151	0.0038	0.0113
64	0.0151	0.0038	0.0113
65	0.0152	0.0038	0.0114
66	0.0152	0.0038	0.0114
67	0.0153	0.0038	0.0115
68	0.0154	0.0039	0.0115
69	0.0154	0.0039	0.0116
70	0.0155	0.0039	0.0116
71	0.0156	0.0039	0.0117
72	0.0156	0.0039	0.0117
73	0.0157	0.0039	0.0118
74	0.0157	0.0039	0.0118
75	0.0158	0.0040	0.0119
76	0.0159	0.0040	0.0119
77	0.0160	0.0040	0.0120
78	0.0160	0.0040	0.0120
79	0.0161	0.0040	0.0121
80	0.0162	0.0041	0.0121
81	0.0162	0.0041	0.0122
82	0.0163	0.0041	0.0122
83	0.0164	0.0041	0.0123
84	0.0164	0.0041	0.0123
85	0.0166	0.0042	0.0124
86	0.0166	0.0042	0.0124
87	0.0167	0.0042	0.0125
88	0.0168	0.0042	0.0126
89	0.0169	0.0042	0.0126
90	0.0169	0.0042	0.0127

91	0.0170	0.0043	0.0128
92	0.0171	0.0043	0.0128
93	0.0172	0.0043	0.0129
94	0.0173	0.0043	0.0129
95	0.0174	0.0044	0.0130
96	0.0174	0.0044	0.0131
97	0.0176	0.0044	0.0132
98	0.0176	0.0044	0.0132
99	0.0178	0.0045	0.0133
100	0.0178	0.0045	0.0133
101	0.0179	0.0045	0.0134
102	0.0180	0.0045	0.0135
103	0.0181	0.0046	0.0136
104	0.0182	0.0046	0.0136
105	0.0184	0.0046	0.0138
106	0.0184	0.0046	0.0138
107	0.0186	0.0047	0.0139
108	0.0186	0.0047	0.0140
109	0.0188	0.0047	0.0141
110	0.0189	0.0047	0.0141
111	0.0190	0.0048	0.0143
112	0.0191	0.0048	0.0143
113	0.0193	0.0048	0.0144
114	0.0193	0.0049	0.0145
115	0.0195	0.0049	0.0146
116	0.0196	0.0049	0.0147
117	0.0198	0.0050	0.0148
118	0.0199	0.0050	0.0149
119	0.0200	0.0050	0.0150
120	0.0201	0.0050	0.0151
121	0.0203	0.0051	0.0152
122	0.0204	0.0051	0.0153
123	0.0206	0.0052	0.0154
124	0.0207	0.0052	0.0155
125	0.0209	0.0052	0.0157
126	0.0210	0.0053	0.0157
127	0.0212	0.0053	0.0159
128	0.0213	0.0054	0.0160
129	0.0216	0.0054	0.0162
130	0.0217	0.0054	0.0162
131	0.0219	0.0055	0.0164
132	0.0220	0.0055	0.0165
133	0.0223	0.0056	0.0167
134	0.0224	0.0056	0.0168
135	0.0227	0.0057	0.0170
136	0.0228	0.0057	0.0171
137	0.0231	0.0058	0.0173
138	0.0232	0.0058	0.0174
139	0.0235	0.0059	0.0176
140	0.0237	0.0059	0.0177
141	0.0240	0.0060	0.0180
142	0.0241	0.0060	0.0181
143	0.0244	0.0061	0.0183
144	0.0246	0.0062	0.0184
145	0.0249	0.0062	0.0186
146	0.0250	0.0063	0.0188
147	0.0254	0.0064	0.0190
148	0.0256	0.0064	0.0192
149	0.0260	0.0065	0.0195
150	0.0262	0.0066	0.0196
151	0.0266	0.0067	0.0199
152	0.0268	0.0067	0.0201
153	0.0273	0.0068	0.0204
154	0.0275	0.0069	0.0206
155	0.0280	0.0070	0.0210
156	0.0283	0.0071	0.0212
157	0.0288	0.0072	0.0216
158	0.0291	0.0073	0.0218
159	0.0296	0.0074	0.0222
160	0.0299	0.0075	0.0224
161	0.0306	0.0077	0.0229
162	0.0309	0.0077	0.0231
163	0.0316	0.0079	0.0237

164	0.0320	0.0080	0.0239
165	0.0327	0.0082	0.0245
166	0.0331	0.0083	0.0248
167	0.0340	0.0085	0.0255
168	0.0345	0.0086	0.0258
169	0.0354	0.0089	0.0265
170	0.0359	0.0090	0.0269
171	0.0370	0.0093	0.0278
172	0.0376	0.0094	0.0282
173	0.0389	0.0098	0.0291
174	0.0396	0.0099	0.0297
175	0.0411	0.0103	0.0308
176	0.0419	0.0105	0.0314
177	0.0436	0.0109	0.0327
178	0.0446	0.0112	0.0334
179	0.0468	0.0117	0.0350
180	0.0480	0.0120	0.0359
181	0.0507	0.0127	0.0380
182	0.0522	0.0131	0.0391
183	0.0557	0.0140	0.0418
184	0.0578	0.0145	0.0433
185	0.0510	0.0128	0.0382
186	0.0538	0.0135	0.0403
187	0.0611	0.0153	0.0458
188	0.0659	0.0165	0.0494
189	0.0794	0.0199	0.0595
190	0.0896	0.0225	0.0672
191	0.1281	0.0242	0.1040
192	0.1762	0.0242	0.1520
193	0.5514	0.0242	0.5273
194	0.1044	0.0242	0.0802
195	0.0718	0.0180	0.0538
196	0.0572	0.0143	0.0428
197	0.0601	0.0151	0.0450
198	0.0539	0.0135	0.0404
199	0.0493	0.0124	0.0369
200	0.0457	0.0115	0.0342
201	0.0427	0.0107	0.0320
202	0.0403	0.0101	0.0302
203	0.0382	0.0096	0.0287
204	0.0365	0.0091	0.0273
205	0.0349	0.0088	0.0262
206	0.0336	0.0084	0.0251
207	0.0323	0.0081	0.0242
208	0.0312	0.0078	0.0234
209	0.0302	0.0076	0.0227
210	0.0293	0.0074	0.0220
211	0.0285	0.0072	0.0214
212	0.0277	0.0070	0.0208
213	0.0270	0.0068	0.0203
214	0.0264	0.0066	0.0198
215	0.0258	0.0065	0.0193
216	0.0252	0.0063	0.0189
217	0.0248	0.0062	0.0186
218	0.0243	0.0061	0.0182
219	0.0238	0.0060	0.0178
220	0.0234	0.0059	0.0175
221	0.0229	0.0058	0.0172
222	0.0225	0.0057	0.0169
223	0.0222	0.0056	0.0166
224	0.0218	0.0055	0.0163
225	0.0215	0.0054	0.0161
226	0.0211	0.0053	0.0158
227	0.0208	0.0052	0.0156
228	0.0205	0.0051	0.0154
229	0.0202	0.0051	0.0152
230	0.0199	0.0050	0.0149
231	0.0197	0.0049	0.0147
232	0.0194	0.0049	0.0146
233	0.0192	0.0048	0.0144
234	0.0189	0.0048	0.0142
235	0.0187	0.0047	0.0140
236	0.0185	0.0046	0.0139

237	0.0183	0.0046	0.0137
238	0.0181	0.0045	0.0135
239	0.0179	0.0045	0.0134
240	0.0177	0.0044	0.0133
241	0.0175	0.0044	0.0131
242	0.0173	0.0043	0.0130
243	0.0172	0.0043	0.0128
244	0.0170	0.0043	0.0127
245	0.0168	0.0042	0.0126
246	0.0167	0.0042	0.0125
247	0.0165	0.0041	0.0124
248	0.0163	0.0041	0.0122
249	0.0162	0.0041	0.0121
250	0.0161	0.0040	0.0120
251	0.0159	0.0040	0.0119
252	0.0158	0.0040	0.0118
253	0.0156	0.0039	0.0117
254	0.0155	0.0039	0.0116
255	0.0154	0.0039	0.0115
256	0.0153	0.0038	0.0114
257	0.0151	0.0038	0.0113
258	0.0150	0.0038	0.0113
259	0.0149	0.0037	0.0112
260	0.0148	0.0037	0.0111
261	0.0147	0.0037	0.0110
262	0.0146	0.0037	0.0109
263	0.0145	0.0036	0.0108
264	0.0144	0.0036	0.0108
265	0.0143	0.0036	0.0107
266	0.0142	0.0036	0.0106
267	0.0141	0.0035	0.0106
268	0.0140	0.0035	0.0105
269	0.0139	0.0035	0.0104
270	0.0138	0.0035	0.0103
271	0.0137	0.0034	0.0103
272	0.0136	0.0034	0.0102
273	0.0135	0.0034	0.0101
274	0.0135	0.0034	0.0101
275	0.0134	0.0034	0.0100
276	0.0133	0.0033	0.0100
277	0.0132	0.0033	0.0099
278	0.0131	0.0033	0.0098
279	0.0131	0.0033	0.0098
280	0.0130	0.0033	0.0097
281	0.0129	0.0032	0.0097
282	0.0128	0.0032	0.0096
283	0.0128	0.0032	0.0096
284	0.0127	0.0032	0.0095
285	0.0126	0.0032	0.0095
286	0.0126	0.0031	0.0094
287	0.0125	0.0031	0.0094
288	0.0124	0.0031	0.0093

Total soil rain loss = 1.66(In)
Total effective rainfall = 5.52(In)
Peak flow rate in flood hydrograph = 0.96(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0000	0.00	Q	|	|	|	|
0+10	0.0001	0.01	Q	|	|	|	|
0+15	0.0002	0.02	Q	|	|	|	|
0+20	0.0004	0.03	Q	|	|	|	|
0+25	0.0006	0.03	Q	|	|	|	|
0+30	0.0009	0.04	Q	|	|	|	|

0+35	0.0011	0.04	Q	|	|	|	|
0+40	0.0014	0.04	Q	|	|	|	|
0+45	0.0017	0.04	Q	|	|	|	|
0+50	0.0020	0.04	Q	|	|	|	|
0+55	0.0022	0.04	Q	|	|	|	|
1+ 0	0.0025	0.04	Q	|	|	|	|
1+ 5	0.0028	0.04	Q	|	|	|	|
1+10	0.0031	0.04	Q	|	|	|	|
1+15	0.0034	0.04	Q	|	|	|	|
1+20	0.0037	0.04	Q	|	|	|	|
1+25	0.0040	0.04	Q	|	|	|	|
1+30	0.0044	0.04	Q	|	|	|	|
1+35	0.0047	0.05	QV	|	|	|	|
1+40	0.0050	0.05	QV	|	|	|	|
1+45	0.0053	0.05	QV	|	|	|	|
1+50	0.0056	0.05	QV	|	|	|	|
1+55	0.0059	0.05	QV	|	|	|	|
2+ 0	0.0062	0.05	QV	|	|	|	|
2+ 5	0.0066	0.05	QV	|	|	|	|
2+10	0.0069	0.05	QV	|	|	|	|
2+15	0.0072	0.05	QV	|	|	|	|
2+20	0.0075	0.05	QV	|	|	|	|
2+25	0.0078	0.05	QV	|	|	|	|
2+30	0.0082	0.05	QV	|	|	|	|
2+35	0.0085	0.05	QV	|	|	|	|
2+40	0.0088	0.05	QV	|	|	|	|
2+45	0.0091	0.05	Q V	|	|	|	|
2+50	0.0095	0.05	Q V	|	|	|	|
2+55	0.0098	0.05	Q V	|	|	|	|
3+ 0	0.0101	0.05	Q V	|	|	|	|
3+ 5	0.0105	0.05	Q V	|	|	|	|
3+10	0.0108	0.05	Q V	|	|	|	|
3+15	0.0111	0.05	Q V	|	|	|	|
3+20	0.0115	0.05	Q V	|	|	|	|
3+25	0.0118	0.05	Q V	|	|	|	|
3+30	0.0121	0.05	Q V	|	|	|	|
3+35	0.0125	0.05	Q V	|	|	|	|
3+40	0.0128	0.05	Q V	|	|	|	|
3+45	0.0131	0.05	Q V	|	|	|	|
3+50	0.0135	0.05	Q V	|	|	|	|
3+55	0.0138	0.05	Q V	|	|	|	|
4+ 0	0.0142	0.05	Q V	|	|	|	|
4+ 5	0.0145	0.05	Q V	|	|	|	|
4+10	0.0148	0.05	Q V	|	|	|	|
4+15	0.0152	0.05	Q V	|	|	|	|
4+20	0.0155	0.05	Q V	|	|	|	|
4+25	0.0159	0.05	Q V	|	|	|	|
4+30	0.0162	0.05	Q V	|	|	|	|
4+35	0.0166	0.05	Q V	|	|	|	|
4+40	0.0169	0.05	Q V	|	|	|	|
4+45	0.0173	0.05	Q V	|	|	|	|
4+50	0.0177	0.05	Q V	|	|	|	|
4+55	0.0180	0.05	Q V	|	|	|	|
5+ 0	0.0184	0.05	Q V	|	|	|	|
5+ 5	0.0187	0.05	Q V	|	|	|	|
5+10	0.0191	0.05	Q V	|	|	|	|
5+15	0.0194	0.05	Q V	|	|	|	|
5+20	0.0198	0.05	Q V	|	|	|	|
5+25	0.0202	0.05	Q V	|	|	|	|
5+30	0.0205	0.05	Q V	|	|	|	|
5+35	0.0209	0.05	Q V	|	|	|	|
5+40	0.0213	0.05	Q V	|	|	|	|
5+45	0.0216	0.05	Q V	|	|	|	|
5+50	0.0220	0.05	Q V	|	|	|	|
5+55	0.0224	0.05	Q V	|	|	|	|
6+ 0	0.0228	0.05	Q V	|	|	|	|
6+ 5	0.0231	0.05	Q V	|	|	|	|
6+10	0.0235	0.05	Q V	|	|	|	|
6+15	0.0239	0.06	Q V	|	|	|	|
6+20	0.0243	0.06	Q V	|	|	|	|
6+25	0.0247	0.06	Q V	|	|	|	|
6+30	0.0250	0.06	Q V	|	|	|	|
6+35	0.0254	0.06	Q V	|	|	|	|

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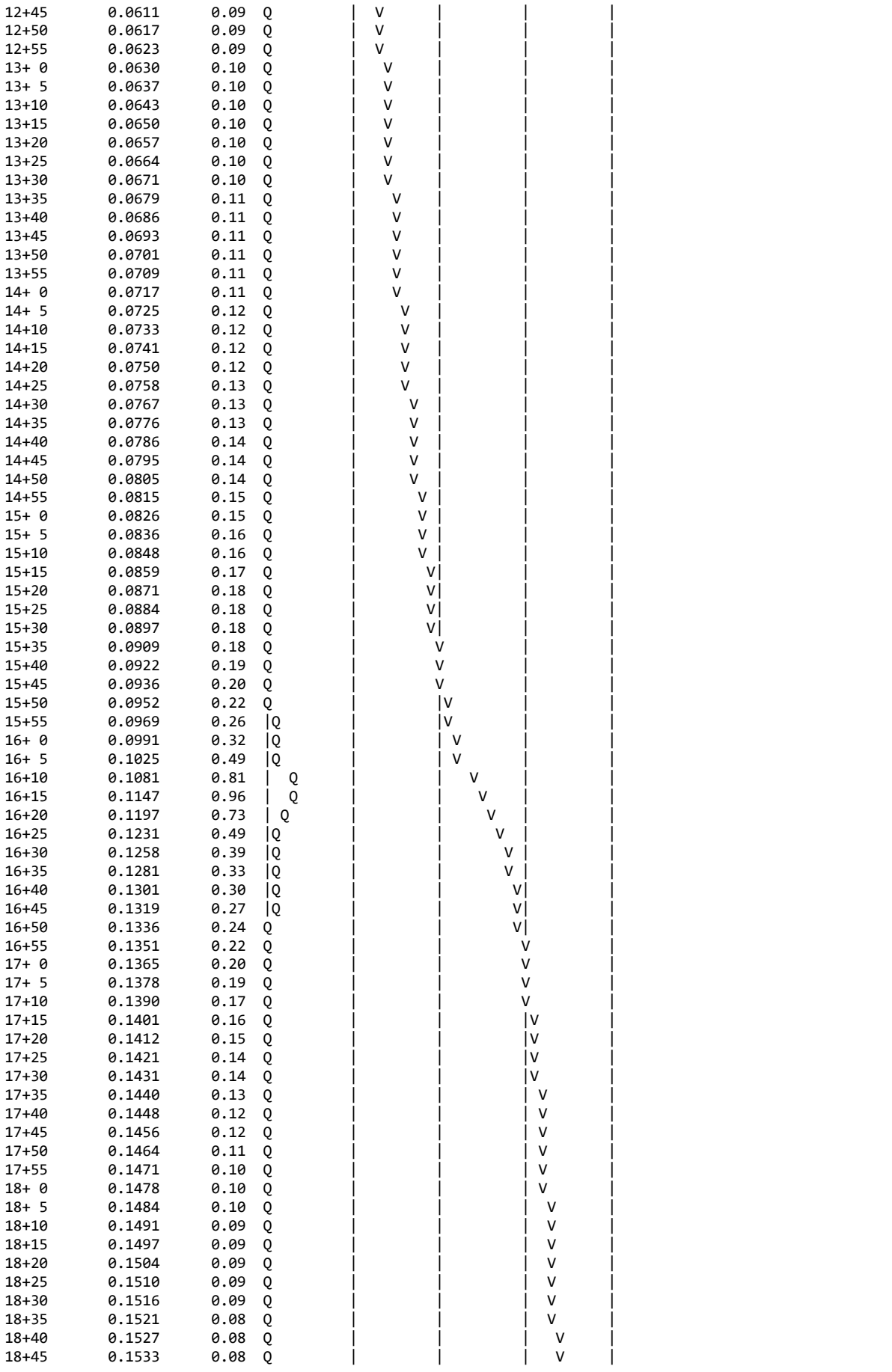
 6+40       0.0258      0.06  Q    V    |          |          |          |
 6+45       0.0262      0.06  Q    V    |          |          |          |
 6+50       0.0266      0.06  Q    V    |          |          |          |
 6+55       0.0270      0.06  Q     V   |          |          |          |
 7+ 0       0.0274      0.06  Q     V   |          |          |          |
 7+ 5       0.0278      0.06  Q     V   |          |          |          |
 7+10       0.0282      0.06  Q     V   |          |          |          |
 7+15       0.0286      0.06  Q     V   |          |          |          |
 7+20       0.0290      0.06  Q     V   |          |          |          |
 7+25       0.0294      0.06  Q     V   |          |          |          |
 7+30       0.0298      0.06  Q     V   |          |          |          |
 7+35       0.0302      0.06  Q     V   |          |          |          |
 7+40       0.0306      0.06  Q     V   |          |          |          |
 7+45       0.0310      0.06  Q     V   |          |          |          |
 7+50       0.0314      0.06  Q      V  |          |          |          |
 7+55       0.0318      0.06  Q      V  |          |          |          |
 8+ 0       0.0322      0.06  Q      V  |          |          |          |
 8+ 5       0.0327      0.06  Q      V  |          |          |          |
 8+10       0.0331      0.06  Q      V  |          |          |          |
 8+15       0.0335      0.06  Q      V  |          |          |          |
 8+20       0.0339      0.06  Q      V  |          |          |          |
 8+25       0.0344      0.06  Q      V  |          |          |          |
 8+30       0.0348      0.06  Q      V  |          |          |          |
 8+35       0.0352      0.06  Q      V  |          |          |          |
 8+40       0.0357      0.06  Q      V  |          |          |          |
 8+45       0.0361      0.06  Q       V |          |          |          |
 8+50       0.0365      0.06  Q       V |          |          |          |
 8+55       0.0370      0.06  Q       V |          |          |          |
 9+ 0       0.0374      0.06  Q       V |          |          |          |
 9+ 5       0.0379      0.06  Q       V |          |          |          |
 9+10       0.0383      0.07  Q       V |          |          |          |
 9+15       0.0388      0.07  Q       V |          |          |          |
 9+20       0.0392      0.07  Q       V |          |          |          |
 9+25       0.0397      0.07  Q       V |          |          |          |
 9+30       0.0401      0.07  Q       V |          |          |          |
 9+35       0.0406      0.07  Q        V|          |          |          |
 9+40       0.0411      0.07  Q        V|          |          |          |
 9+45       0.0415      0.07  Q        V|          |          |          |
 9+50       0.0420      0.07  Q        V|          |          |          |
 9+55       0.0425      0.07  Q        V|          |          |          |
10+ 0       0.0430      0.07  Q        V|          |          |          |
10+ 5       0.0435      0.07  Q        V|          |          |          |
10+10       0.0439      0.07  Q        V|          |          |          |
10+15       0.0444      0.07  Q        V|          |          |          |
10+20       0.0449      0.07  Q         V          |          |          |
10+25       0.0454      0.07  Q         V          |          |          |
10+30       0.0459      0.07  Q         V          |          |          |
10+35       0.0464      0.07  Q         V          |          |          |
10+40       0.0469      0.07  Q         V          |          |          |
10+45       0.0474      0.07  Q         V          |          |          |
10+50       0.0479      0.07  Q         V          |          |          |
10+55       0.0485      0.08  Q         V          |          |          |
11+ 0       0.0490      0.08  Q         V          |          |          |
11+ 5       0.0495      0.08  Q         |V         |          |          |
11+10       0.0500      0.08  Q         |V         |          |          |
11+15       0.0506      0.08  Q         |V         |          |          |
11+20       0.0511      0.08  Q         |V         |          |          |
11+25       0.0516      0.08  Q         |V         |          |          |
11+30       0.0522      0.08  Q         |V         |          |          |
11+35       0.0527      0.08  Q         |V         |          |          |
11+40       0.0533      0.08  Q         |V         |          |          |
11+45       0.0539      0.08  Q         | V        |          |          |
11+50       0.0544      0.08  Q         | V        |          |          |
11+55       0.0550      0.08  Q         | V        |          |          |
12+ 0       0.0556      0.08  Q         | V        |          |          |
12+ 5       0.0562      0.08  Q         | V        |          |          |
12+10       0.0568      0.09  Q         | V        |          |          |
12+15       0.0574      0.09  Q         | V        |          |          |
12+20       0.0580      0.09  Q         | V        |          |          |
12+25       0.0586      0.09  Q         |  V       |          |          |
12+30       0.0592      0.09  Q         |  V       |          |          |
12+35       0.0598      0.09  Q         |  V       |          |          |
12+40       0.0604      0.09  Q         |  V       |          |          |
```



```
18+50       0.1538      0.08  Q        |         |         |   V     |
18+55       0.1544      0.08  Q        |         |         |   V     |
19+ 0       0.1549      0.08  Q        |         |         |   V     |
19+ 5       0.1554      0.08  Q        |         |         |   V     |
19+10       0.1559      0.07  Q        |         |         |   V     |
19+15       0.1564      0.07  Q        |         |         |   V     |
19+20       0.1569      0.07  Q        |         |         |   V     |
19+25       0.1574      0.07  Q        |         |         |    V    |
19+30       0.1579      0.07  Q        |         |         |    V    |
19+35       0.1584      0.07  Q        |         |         |    V    |
19+40       0.1589      0.07  Q        |         |         |    V    |
19+45       0.1594      0.07  Q        |         |         |    V    |
19+50       0.1598      0.07  Q        |         |         |    V    |
19+55       0.1603      0.07  Q        |         |         |    V    |
20+ 0       0.1607      0.07  Q        |         |         |    V    |
20+ 5       0.1612      0.06  Q        |         |         |    V    |
20+10       0.1616      0.06  Q        |         |         |     V   |
20+15       0.1620      0.06  Q        |         |         |     V   |
20+20       0.1625      0.06  Q        |         |         |     V   |
20+25       0.1629      0.06  Q        |         |         |     V   |
20+30       0.1633      0.06  Q        |         |         |     V   |
20+35       0.1637      0.06  Q        |         |         |     V   |
20+40       0.1642      0.06  Q        |         |         |     V   |
20+45       0.1646      0.06  Q        |         |         |     V   |
20+50       0.1650      0.06  Q        |         |         |     V   |
20+55       0.1654      0.06  Q        |         |         |     V   |
21+ 0       0.1658      0.06  Q        |         |         |     V   |
21+ 5       0.1662      0.06  Q        |         |         |      V  |
21+10       0.1666      0.06  Q        |         |         |      V  |
21+15       0.1669      0.06  Q        |         |         |      V  |
21+20       0.1673      0.06  Q        |         |         |      V  |
21+25       0.1677      0.06  Q        |         |         |      V  |
21+30       0.1681      0.05  Q        |         |         |      V  |
21+35       0.1685      0.05  Q        |         |         |      V  |
21+40       0.1688      0.05  Q        |         |         |      V  |
21+45       0.1692      0.05  Q        |         |         |      V  |
21+50       0.1696      0.05  Q        |         |         |      V  |
21+55       0.1699      0.05  Q        |         |         |      V  |
22+ 0       0.1703      0.05  Q        |         |         |      V  |
22+ 5       0.1706      0.05  Q        |         |         |       V |
22+10       0.1710      0.05  Q        |         |         |       V |
22+15       0.1713      0.05  Q        |         |         |       V |
22+20       0.1717      0.05  Q        |         |         |       V |
22+25       0.1720      0.05  Q        |         |         |       V |
22+30       0.1724      0.05  Q        |         |         |       V |
22+35       0.1727      0.05  Q        |         |         |       V |
22+40       0.1731      0.05  Q        |         |         |       V |
22+45       0.1734      0.05  Q        |         |         |       V |
22+50       0.1737      0.05  Q        |         |         |       V |
22+55       0.1741      0.05  Q        |         |         |       V |
23+ 0       0.1744      0.05  Q        |         |         |       V |
23+ 5       0.1747      0.05  Q        |         |         |       V |
23+10       0.1751      0.05  Q        |         |         |        V|
23+15       0.1754      0.05  Q        |         |         |        V|
23+20       0.1757      0.05  Q        |         |         |        V|
23+25       0.1760      0.05  Q        |         |         |        V|
23+30       0.1764      0.05  Q        |         |         |        V|
23+35       0.1767      0.05  Q        |         |         |        V|
23+40       0.1770      0.05  Q        |         |         |        V|
23+45       0.1773      0.05  Q        |         |         |        V|
23+50       0.1776      0.05  Q        |         |         |        V|
23+55       0.1779      0.05  Q        |         |         |        V|
24+ 0       0.1782      0.04  Q        |         |         |        V|
24+ 5       0.1785      0.04  Q        |         |         |        V|
24+10       0.1788      0.03  Q        |         |         |        V|
24+15       0.1789      0.02  Q        |         |         |        V|
24+20       0.1790      0.02  Q        |         |         |        V|
24+25       0.1791      0.01  Q        |         |         |        V|
24+30       0.1792      0.01  Q        |         |         |        V|
24+35       0.1792      0.01  Q        |         |         |        V|
24+40       0.1793      0.01  Q        |         |         |        V|
24+45       0.1793      0.00  Q        |         |         |        V|
24+50       0.1793      0.00  Q        |         |         |        V|
```

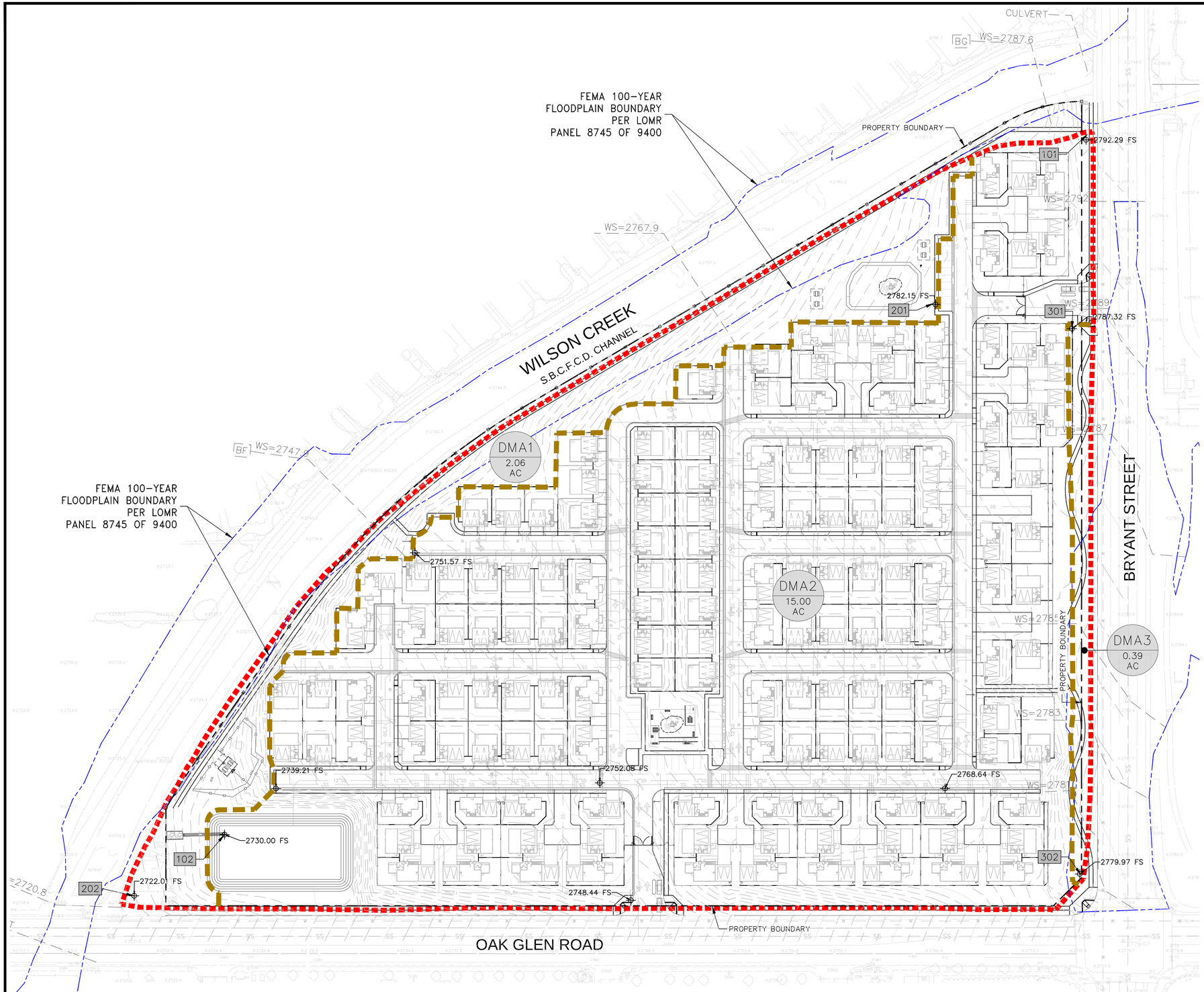
```
   24+55       0.1794      0.00  Q         |         |         |        V|
   25+ 0       0.1794      0.00  Q         |         |         |        V|
   25+ 5       0.1794      0.00  Q         |         |         |        V|
   25+10       0.1794      0.00  Q         |         |         |        V|
   25+15       0.1794      0.00  Q         |         |         |        V|
   25+20       0.1794      0.00  Q         |         |         |        V|
   25+25       0.1794      0.00  Q         |         |         |        V|
   25+30       0.1794      0.00  Q         |         |         |        V|
   25+35       0.1794      0.00  Q         |         |         |        V|
   25+40       0.1794      0.00  Q         |         |         |         V
-------------------------------------------------------------------------
```

E

UNIT HYDROGRAGH METHOD CALCULATION POST-DEVELOPMENT CPNDITION

Post-Development Condition:

- 10-Year, 24-Hour Storm
- 100-Year, 24-Hour Storm



LEGEND

- A1 / 2.20 AC — DRAINAGE AREA / DESIGNATION AREA IN ACRES
- 102 — NODE DESIGNATION
- MAJOR WATERSHED BOUNDARY
- SUB-AREA BOUNDARY
- FEMA 100-YEAR FLOODPLAIN BOUNDARY
- FLOW PATH
- 25+50.00 — HEC-RAS MODEL SECTION & STATION
- L=100' — LENGTH OF FLOW PATH
- Q100 — CALCULATED 100-YEAR STORM RUNOFF
- FLOW DIRECTION

HYDROLOGY INFORMATION

SITE AREA:	17.45 AC
SOIL GROUP:	A (PER WEB SOIL SURVEY)
IMPERVIOUS:	PER COVER CONDITION 0% (PRE-DEVELOPMENT CONDITION) 60% (POST-DEVELOPMENT CONDITION)
RAINFALL RATE:	1.49 IN/HR.(100-YEAR) 0.92 IN/HR.(10-YEAR)
AMC NUMBER:	(SOIL GROUP C) 2 (For 10-YEAR STORM) 3 (For 100-YEAR STORM)
FREQUENCY:	100 & 10 YEAR
METHOD:	SAN BERNARDINO COUNTY HYDROLOGY MANUAL

SCALE
60 0 30 60 120
(FEET)
1 INCH = 60 FT.

UNIT HYDROLOGY METHOD

PLAN PREPARED BY:

BLUE
ENGINEERING & CONSULTING, INC.
FOREVER BLUE N.G.
9320 BASELINE ROAD, SUITE D – RANCHO CUCAMONGA, CA 91701
PHONE: 909-294-5022
E-MAIL INFO@BLUECIVILENG.COM
WEBSITE WWW.BLUECIVILENG.COM

SEAL

REGISTERED PROFESSIONAL ENGINEER · ANGEL CEZAR · No. 87222 · CIVIL · STATE OF CALIFORNIA

DESIGN ENGINEER DATE

DATE

POST-DEVELOPMENT CONDITION

HYDROLOGY STUDY EXHIBIT
FOR
TTM NO. 20649

SHEET 1 OF 1

U n i t H y d r o g r a p h A n a l y s i s

Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018, Version 9.0

Study date 08/02/23

++

San Bernardino County Synthetic Unit Hydrology Method
Manual date - August 1986

Program License Serial Number 6481

Post-Development Condition
Unit Hydragh Method
Drainag Management Area A1
10-Year, 24-Hour Storm

Storm Event Year = 10

Antecedent Moisture Condition = 2

English (in-lb) Input Units Used

English Rainfall Data (Inches) Input Values Used

English Units used in output format

Area averaged rainfall intensity isohyetal data:

Sub-Area (Ac.)	Duration (hours)	Isohyetal (In)
Rainfall data for year 10		
2.06	1	0.92
Rainfall data for year 10		
2.06	6	2.32
Rainfall data for year 10		
2.06	24	4.55

++

******** Area-averaged max loss rate, Fm ********

SCS curve No.(AMCII)	SCS curve NO.(AMC 2)	Area (Ac.)	Area Fraction	Fp(Fig C6) (In/Hr)	Ap (dec.)	Fm (In/Hr)
67.0	67.0	2.06	1.000	0.578	1.000	0.578

Area-averaged adjusted loss rate Fm (In/Hr) = 0.578

********* Area-Averaged low loss rate fraction, Yb **********

Area (Ac.)	Area Fract	SCS CN (AMC2)	SCS CN (AMC2)	S	Pervious Yield Fr
2.06	1.000	67.0	67.0	4.93	0.329

Area-averaged catchment yield fraction, Y = 0.329
Area-averaged low loss fraction, Yb = 0.671
User entry of time of concentration = 0.268 (hours)

++
Watershed area = 2.06(Ac.)
Catchment Lag time = 0.214 hours
Unit interval = 5.000 minutes

Unit interval percentage of lag time = 38.8682
Hydrograph baseflow = 0.00(CFS)
Average maximum watershed loss rate(Fm) = 0.578(In/Hr)
Average low loss rate fraction (Yb) = 0.671 (decimal)
VALLEY UNDEVELOPED S-Graph Selected
Computed peak 5-minute rainfall = 0.340(In)
Computed peak 30-minute rainfall = 0.697(In)
Specified peak 1-hour rainfall = 0.920(In)
Computed peak 3-hour rainfall = 1.622(In)
Specified peak 6-hour rainfall = 2.320(In)
Specified peak 24-hour rainfall = 4.550(In)

Rainfall depth area reduction factors:
Using a total area of 2.06(Ac.) (Ref: fig. E-4)

5-minute factor = 1.000 Adjusted rainfall = 0.340(In)
30-minute factor = 1.000 Adjusted rainfall = 0.697(In)
1-hour factor = 1.000 Adjusted rainfall = 0.920(In)
3-hour factor = 1.000 Adjusted rainfall = 1.622(In)
6-hour factor = 1.000 Adjusted rainfall = 2.320(In)
24-hour factor = 1.000 Adjusted rainfall = 4.550(In)

U n i t H y d r o g r a p h

Interval Number	'S' Graph Mean values (K = 24.91 (CFS))	Unit Hydrograph ((CFS))
1	4.173	1.040
2	21.175	4.236
3	47.273	6.502
4	65.272	4.484
5	74.135	2.208
6	79.624	1.367
7	83.689	1.013
8	86.869	0.792
9	89.323	0.611
10	91.347	0.504
11	92.940	0.397
12	94.197	0.313
13	95.373	0.293
14	96.344	0.242
15	97.143	0.199
16	97.820	0.169
17	98.373	0.138
18	98.802	0.107
19	99.191	0.097
20	99.579	0.097
21	100.000	0.048

Peak Unit Number	Adjusted mass rainfall (In)	Unit rainfall (In)
1	0.3405	0.3405
2	0.4492	0.1088
3	0.5284	0.0791
4	0.5928	0.0644
5	0.6481	0.0553
6	0.6972	0.0490
7	0.7415	0.0443
8	0.7822	0.0407
9	0.8199	0.0377
10	0.8552	0.0353
11	0.8884	0.0332
12	0.9199	0.0315
13	0.9587	0.0388
14	0.9961	0.0374
15	1.0322	0.0361
16	1.0672	0.0350
17	1.1011	0.0339
18	1.1341	0.0330

19	1.1662	0.0321
20	1.1975	0.0313
21	1.2281	0.0305
22	1.2579	0.0299
23	1.2871	0.0292
24	1.3157	0.0286
25	1.3438	0.0280
26	1.3712	0.0275
27	1.3982	0.0270
28	1.4247	0.0265
29	1.4508	0.0260
30	1.4764	0.0256
31	1.5016	0.0252
32	1.5264	0.0248
33	1.5509	0.0244
34	1.5750	0.0241
35	1.5987	0.0237
36	1.6221	0.0234
37	1.6452	0.0231
38	1.6680	0.0228
39	1.6906	0.0225
40	1.7128	0.0222
41	1.7348	0.0220
42	1.7565	0.0217
43	1.7779	0.0215
44	1.7992	0.0212
45	1.8202	0.0210
46	1.8409	0.0208
47	1.8615	0.0206
48	1.8818	0.0203
49	1.9020	0.0201
50	1.9219	0.0199
51	1.9417	0.0197
52	1.9612	0.0196
53	1.9806	0.0194
54	1.9998	0.0192
55	2.0188	0.0190
56	2.0377	0.0189
57	2.0564	0.0187
58	2.0750	0.0185
59	2.0933	0.0184
60	2.1116	0.0182
61	2.1297	0.0181
62	2.1476	0.0180
63	2.1654	0.0178
64	2.1831	0.0177
65	2.2007	0.0175
66	2.2181	0.0174
67	2.2354	0.0173
68	2.2525	0.0172
69	2.2696	0.0170
70	2.2865	0.0169
71	2.3033	0.0168
72	2.3200	0.0167
73	2.3356	0.0156
74	2.3511	0.0155
75	2.3665	0.0154
76	2.3817	0.0153
77	2.3969	0.0152
78	2.4120	0.0151
79	2.4270	0.0150
80	2.4418	0.0149
81	2.4566	0.0148
82	2.4713	0.0147
83	2.4859	0.0146
84	2.5004	0.0145
85	2.5148	0.0144
86	2.5292	0.0143
87	2.5434	0.0142
88	2.5576	0.0142
89	2.5717	0.0141
90	2.5857	0.0140
91	2.5996	0.0139

92	2.6134	0.0138
93	2.6272	0.0138
94	2.6409	0.0137
95	2.6545	0.0136
96	2.6680	0.0135
97	2.6815	0.0135
98	2.6949	0.0134
99	2.7082	0.0133
100	2.7215	0.0133
101	2.7347	0.0132
102	2.7478	0.0131
103	2.7608	0.0131
104	2.7738	0.0130
105	2.7868	0.0129
106	2.7996	0.0129
107	2.8124	0.0128
108	2.8252	0.0127
109	2.8378	0.0127
110	2.8505	0.0126
111	2.8630	0.0126
112	2.8755	0.0125
113	2.8880	0.0124
114	2.9004	0.0124
115	2.9127	0.0123
116	2.9250	0.0123
117	2.9372	0.0122
118	2.9494	0.0122
119	2.9615	0.0121
120	2.9736	0.0121
121	2.9856	0.0120
122	2.9975	0.0120
123	3.0094	0.0119
124	3.0213	0.0119
125	3.0331	0.0118
126	3.0449	0.0118
127	3.0566	0.0117
128	3.0683	0.0117
129	3.0799	0.0116
130	3.0915	0.0116
131	3.1030	0.0115
132	3.1145	0.0115
133	3.1259	0.0114
134	3.1373	0.0114
135	3.1487	0.0114
136	3.1600	0.0113
137	3.1713	0.0113
138	3.1825	0.0112
139	3.1937	0.0112
140	3.2048	0.0111
141	3.2159	0.0111
142	3.2270	0.0111
143	3.2380	0.0110
144	3.2490	0.0110
145	3.2599	0.0109
146	3.2708	0.0109
147	3.2817	0.0109
148	3.2925	0.0108
149	3.3033	0.0108
150	3.3141	0.0108
151	3.3248	0.0107
152	3.3355	0.0107
153	3.3461	0.0106
154	3.3567	0.0106
155	3.3673	0.0106
156	3.3778	0.0105
157	3.3883	0.0105
158	3.3988	0.0105
159	3.4092	0.0104
160	3.4196	0.0104
161	3.4300	0.0104
162	3.4403	0.0103
163	3.4506	0.0103
164	3.4609	0.0103

165	3.4711	0.0102
166	3.4814	0.0102
167	3.4915	0.0102
168	3.5017	0.0101
169	3.5118	0.0101
170	3.5219	0.0101
171	3.5319	0.0101
172	3.5419	0.0100
173	3.5519	0.0100
174	3.5619	0.0100
175	3.5718	0.0099
176	3.5817	0.0099
177	3.5916	0.0099
178	3.6014	0.0098
179	3.6113	0.0098
180	3.6210	0.0098
181	3.6308	0.0098
182	3.6405	0.0097
183	3.6502	0.0097
184	3.6599	0.0097
185	3.6696	0.0097
186	3.6792	0.0096
187	3.6888	0.0096
188	3.6984	0.0096
189	3.7079	0.0095
190	3.7174	0.0095
191	3.7269	0.0095
192	3.7364	0.0095
193	3.7458	0.0094
194	3.7552	0.0094
195	3.7646	0.0094
196	3.7740	0.0094
197	3.7834	0.0093
198	3.7927	0.0093
199	3.8020	0.0093
200	3.8112	0.0093
201	3.8205	0.0092
202	3.8297	0.0092
203	3.8389	0.0092
204	3.8481	0.0092
205	3.8572	0.0092
206	3.8664	0.0091
207	3.8755	0.0091
208	3.8846	0.0091
209	3.8936	0.0091
210	3.9027	0.0090
211	3.9117	0.0090
212	3.9207	0.0090
213	3.9297	0.0090
214	3.9386	0.0090
215	3.9475	0.0089
216	3.9565	0.0089
217	3.9653	0.0089
218	3.9742	0.0089
219	3.9831	0.0088
220	3.9919	0.0088
221	4.0007	0.0088
222	4.0095	0.0088
223	4.0182	0.0088
224	4.0270	0.0087
225	4.0357	0.0087
226	4.0444	0.0087
227	4.0531	0.0087
228	4.0618	0.0087
229	4.0704	0.0086
230	4.0790	0.0086
231	4.0876	0.0086
232	4.0962	0.0086
233	4.1048	0.0086
234	4.1134	0.0086
235	4.1219	0.0085
236	4.1304	0.0085
237	4.1389	0.0085

238	4.1474	0.0085
239	4.1558	0.0085
240	4.1643	0.0084
241	4.1727	0.0084
242	4.1811	0.0084
243	4.1895	0.0084
244	4.1978	0.0084
245	4.2062	0.0084
246	4.2145	0.0083
247	4.2228	0.0083
248	4.2311	0.0083
249	4.2394	0.0083
250	4.2477	0.0083
251	4.2559	0.0082
252	4.2642	0.0082
253	4.2724	0.0082
254	4.2806	0.0082
255	4.2888	0.0082
256	4.2969	0.0082
257	4.3051	0.0081
258	4.3132	0.0081
259	4.3213	0.0081
260	4.3294	0.0081
261	4.3375	0.0081
262	4.3456	0.0081
263	4.3536	0.0081
264	4.3616	0.0080
265	4.3697	0.0080
266	4.3777	0.0080
267	4.3857	0.0080
268	4.3936	0.0080
269	4.4016	0.0080
270	4.4095	0.0079
271	4.4175	0.0079
272	4.4254	0.0079
273	4.4333	0.0079
274	4.4411	0.0079
275	4.4490	0.0079
276	4.4569	0.0079
277	4.4647	0.0078
278	4.4725	0.0078
279	4.4803	0.0078
280	4.4881	0.0078
281	4.4959	0.0078
282	4.5037	0.0078
283	4.5114	0.0078
284	4.5192	0.0077
285	4.5269	0.0077
286	4.5346	0.0077
287	4.5423	0.0077
288	4.5500	0.0077

Unit Period (number)	Unit Rainfall (In)	Unit Soil-Loss (In)	Effective Rainfall (In)
1	0.0077	0.0052	0.0025
2	0.0077	0.0052	0.0025
3	0.0077	0.0052	0.0025
4	0.0077	0.0052	0.0025
5	0.0078	0.0052	0.0026
6	0.0078	0.0052	0.0026
7	0.0078	0.0052	0.0026
8	0.0078	0.0053	0.0026
9	0.0079	0.0053	0.0026
10	0.0079	0.0053	0.0026
11	0.0079	0.0053	0.0026
12	0.0079	0.0053	0.0026
13	0.0079	0.0053	0.0026
14	0.0080	0.0053	0.0026
15	0.0080	0.0054	0.0026
16	0.0080	0.0054	0.0026
17	0.0080	0.0054	0.0026

18	0.0081	0.0054	0.0026
19	0.0081	0.0054	0.0027
20	0.0081	0.0054	0.0027
21	0.0081	0.0055	0.0027
22	0.0081	0.0055	0.0027
23	0.0082	0.0055	0.0027
24	0.0082	0.0055	0.0027
25	0.0082	0.0055	0.0027
26	0.0082	0.0055	0.0027
27	0.0083	0.0056	0.0027
28	0.0083	0.0056	0.0027
29	0.0083	0.0056	0.0027
30	0.0084	0.0056	0.0027
31	0.0084	0.0056	0.0028
32	0.0084	0.0056	0.0028
33	0.0084	0.0057	0.0028
34	0.0085	0.0057	0.0028
35	0.0085	0.0057	0.0028
36	0.0085	0.0057	0.0028
37	0.0086	0.0057	0.0028
38	0.0086	0.0058	0.0028
39	0.0086	0.0058	0.0028
40	0.0086	0.0058	0.0028
41	0.0087	0.0058	0.0029
42	0.0087	0.0058	0.0029
43	0.0087	0.0059	0.0029
44	0.0087	0.0059	0.0029
45	0.0088	0.0059	0.0029
46	0.0088	0.0059	0.0029
47	0.0088	0.0059	0.0029
48	0.0089	0.0060	0.0029
49	0.0089	0.0060	0.0029
50	0.0089	0.0060	0.0029
51	0.0090	0.0060	0.0030
52	0.0090	0.0060	0.0030
53	0.0090	0.0061	0.0030
54	0.0091	0.0061	0.0030
55	0.0091	0.0061	0.0030
56	0.0091	0.0061	0.0030
57	0.0092	0.0062	0.0030
58	0.0092	0.0062	0.0030
59	0.0092	0.0062	0.0030
60	0.0093	0.0062	0.0030
61	0.0093	0.0063	0.0031
62	0.0093	0.0063	0.0031
63	0.0094	0.0063	0.0031
64	0.0094	0.0063	0.0031
65	0.0095	0.0064	0.0031
66	0.0095	0.0064	0.0031
67	0.0095	0.0064	0.0031
68	0.0096	0.0064	0.0031
69	0.0096	0.0065	0.0032
70	0.0097	0.0065	0.0032
71	0.0097	0.0065	0.0032
72	0.0097	0.0065	0.0032
73	0.0098	0.0066	0.0032
74	0.0098	0.0066	0.0032
75	0.0099	0.0066	0.0032
76	0.0099	0.0066	0.0033
77	0.0100	0.0067	0.0033
78	0.0100	0.0067	0.0033
79	0.0101	0.0067	0.0033
80	0.0101	0.0068	0.0033
81	0.0101	0.0068	0.0033
82	0.0102	0.0068	0.0033
83	0.0102	0.0069	0.0034
84	0.0103	0.0069	0.0034
85	0.0103	0.0069	0.0034
86	0.0104	0.0070	0.0034
87	0.0104	0.0070	0.0034
88	0.0105	0.0070	0.0034
89	0.0105	0.0071	0.0035
90	0.0106	0.0071	0.0035

91	0.0106	0.0071	0.0035
92	0.0107	0.0072	0.0035
93	0.0108	0.0072	0.0035
94	0.0108	0.0072	0.0035
95	0.0109	0.0073	0.0036
96	0.0109	0.0073	0.0036
97	0.0110	0.0074	0.0036
98	0.0110	0.0074	0.0036
99	0.0111	0.0074	0.0037
100	0.0111	0.0075	0.0037
101	0.0112	0.0075	0.0037
102	0.0113	0.0076	0.0037
103	0.0114	0.0076	0.0037
104	0.0114	0.0076	0.0037
105	0.0115	0.0077	0.0038
106	0.0115	0.0077	0.0038
107	0.0116	0.0078	0.0038
108	0.0117	0.0078	0.0038
109	0.0118	0.0079	0.0039
110	0.0118	0.0079	0.0039
111	0.0119	0.0080	0.0039
112	0.0120	0.0080	0.0039
113	0.0121	0.0081	0.0040
114	0.0121	0.0081	0.0040
115	0.0122	0.0082	0.0040
116	0.0123	0.0082	0.0040
117	0.0124	0.0083	0.0041
118	0.0124	0.0084	0.0041
119	0.0126	0.0084	0.0041
120	0.0126	0.0085	0.0042
121	0.0127	0.0085	0.0042
122	0.0128	0.0086	0.0042
123	0.0129	0.0087	0.0043
124	0.0130	0.0087	0.0043
125	0.0131	0.0088	0.0043
126	0.0132	0.0089	0.0043
127	0.0133	0.0089	0.0044
128	0.0134	0.0090	0.0044
129	0.0135	0.0091	0.0045
130	0.0136	0.0091	0.0045
131	0.0138	0.0092	0.0045
132	0.0138	0.0093	0.0046
133	0.0140	0.0094	0.0046
134	0.0141	0.0094	0.0046
135	0.0142	0.0096	0.0047
136	0.0143	0.0096	0.0047
137	0.0145	0.0097	0.0048
138	0.0146	0.0098	0.0048
139	0.0148	0.0099	0.0049
140	0.0149	0.0100	0.0049
141	0.0151	0.0101	0.0050
142	0.0152	0.0102	0.0050
143	0.0154	0.0103	0.0051
144	0.0155	0.0104	0.0051
145	0.0167	0.0112	0.0055
146	0.0168	0.0113	0.0055
147	0.0170	0.0114	0.0056
148	0.0172	0.0115	0.0056
149	0.0174	0.0117	0.0057
150	0.0175	0.0118	0.0058
151	0.0178	0.0120	0.0059
152	0.0180	0.0120	0.0059
153	0.0182	0.0122	0.0060
154	0.0184	0.0123	0.0061
155	0.0187	0.0126	0.0062
156	0.0189	0.0127	0.0062
157	0.0192	0.0129	0.0063
158	0.0194	0.0130	0.0064
159	0.0197	0.0133	0.0065
160	0.0199	0.0134	0.0066
161	0.0203	0.0136	0.0067
162	0.0206	0.0138	0.0068
163	0.0210	0.0141	0.0069

164	0.0212	0.0142	0.0070
165	0.0217	0.0146	0.0071
166	0.0220	0.0147	0.0072
167	0.0225	0.0151	0.0074
168	0.0228	0.0153	0.0075
169	0.0234	0.0157	0.0077
170	0.0237	0.0159	0.0078
171	0.0244	0.0164	0.0080
172	0.0248	0.0167	0.0082
173	0.0256	0.0172	0.0084
174	0.0260	0.0175	0.0086
175	0.0270	0.0181	0.0089
176	0.0275	0.0184	0.0090
177	0.0286	0.0192	0.0094
178	0.0292	0.0196	0.0096
179	0.0305	0.0205	0.0101
180	0.0313	0.0210	0.0103
181	0.0330	0.0221	0.0108
182	0.0339	0.0228	0.0112
183	0.0361	0.0242	0.0119
184	0.0374	0.0251	0.0123
185	0.0315	0.0211	0.0104
186	0.0332	0.0223	0.0109
187	0.0377	0.0253	0.0124
188	0.0407	0.0273	0.0134
189	0.0490	0.0329	0.0161
190	0.0553	0.0371	0.0182
191	0.0791	0.0482	0.0309
192	0.1088	0.0482	0.0606
193	0.3405	0.0482	0.2923
194	0.0644	0.0432	0.0212
195	0.0443	0.0298	0.0146
196	0.0353	0.0237	0.0116
197	0.0388	0.0260	0.0128
198	0.0350	0.0235	0.0115
199	0.0321	0.0215	0.0106
200	0.0299	0.0200	0.0098
201	0.0280	0.0188	0.0092
202	0.0265	0.0178	0.0087
203	0.0252	0.0169	0.0083
204	0.0241	0.0162	0.0079
205	0.0231	0.0155	0.0076
206	0.0222	0.0149	0.0073
207	0.0215	0.0144	0.0071
208	0.0208	0.0139	0.0068
209	0.0201	0.0135	0.0066
210	0.0196	0.0131	0.0064
211	0.0190	0.0128	0.0063
212	0.0185	0.0124	0.0061
213	0.0181	0.0121	0.0060
214	0.0177	0.0119	0.0058
215	0.0173	0.0116	0.0057
216	0.0169	0.0114	0.0056
217	0.0156	0.0105	0.0051
218	0.0153	0.0103	0.0050
219	0.0150	0.0100	0.0049
220	0.0147	0.0099	0.0048
221	0.0144	0.0097	0.0047
222	0.0142	0.0095	0.0047
223	0.0139	0.0093	0.0046
224	0.0137	0.0092	0.0045
225	0.0135	0.0090	0.0044
226	0.0133	0.0089	0.0044
227	0.0131	0.0088	0.0043
228	0.0129	0.0086	0.0042
229	0.0127	0.0085	0.0042
230	0.0125	0.0084	0.0041
231	0.0123	0.0083	0.0041
232	0.0122	0.0082	0.0040
233	0.0120	0.0081	0.0040
234	0.0119	0.0080	0.0039
235	0.0117	0.0079	0.0039
236	0.0116	0.0078	0.0038

237	0.0114	0.0077	0.0038
238	0.0113	0.0076	0.0037
239	0.0112	0.0075	0.0037
240	0.0111	0.0074	0.0036
241	0.0109	0.0073	0.0036
242	0.0108	0.0073	0.0036
243	0.0107	0.0072	0.0035
244	0.0106	0.0071	0.0035
245	0.0105	0.0070	0.0035
246	0.0104	0.0070	0.0034
247	0.0103	0.0069	0.0034
248	0.0102	0.0068	0.0034
249	0.0101	0.0068	0.0033
250	0.0100	0.0067	0.0033
251	0.0099	0.0067	0.0033
252	0.0098	0.0066	0.0032
253	0.0098	0.0065	0.0032
254	0.0097	0.0065	0.0032
255	0.0096	0.0064	0.0032
256	0.0095	0.0064	0.0031
257	0.0094	0.0063	0.0031
258	0.0094	0.0063	0.0031
259	0.0093	0.0062	0.0031
260	0.0092	0.0062	0.0030
261	0.0092	0.0061	0.0030
262	0.0091	0.0061	0.0030
263	0.0090	0.0061	0.0030
264	0.0090	0.0060	0.0029
265	0.0089	0.0060	0.0029
266	0.0088	0.0059	0.0029
267	0.0088	0.0059	0.0029
268	0.0087	0.0058	0.0029
269	0.0086	0.0058	0.0028
270	0.0086	0.0058	0.0028
271	0.0085	0.0057	0.0028
272	0.0085	0.0057	0.0028
273	0.0084	0.0057	0.0028
274	0.0084	0.0056	0.0028
275	0.0083	0.0056	0.0027
276	0.0083	0.0055	0.0027
277	0.0082	0.0055	0.0027
278	0.0082	0.0055	0.0027
279	0.0081	0.0054	0.0027
280	0.0081	0.0054	0.0027
281	0.0080	0.0054	0.0026
282	0.0080	0.0054	0.0026
283	0.0079	0.0053	0.0026
284	0.0079	0.0053	0.0026
285	0.0078	0.0053	0.0026
286	0.0078	0.0052	0.0026
287	0.0078	0.0052	0.0026
288	0.0077	0.0052	0.0025

Total soil rain loss = 2.84(In)
Total effective rainfall = 1.71(In)
Peak flow rate in flood hydrograph = 2.43(CFS)

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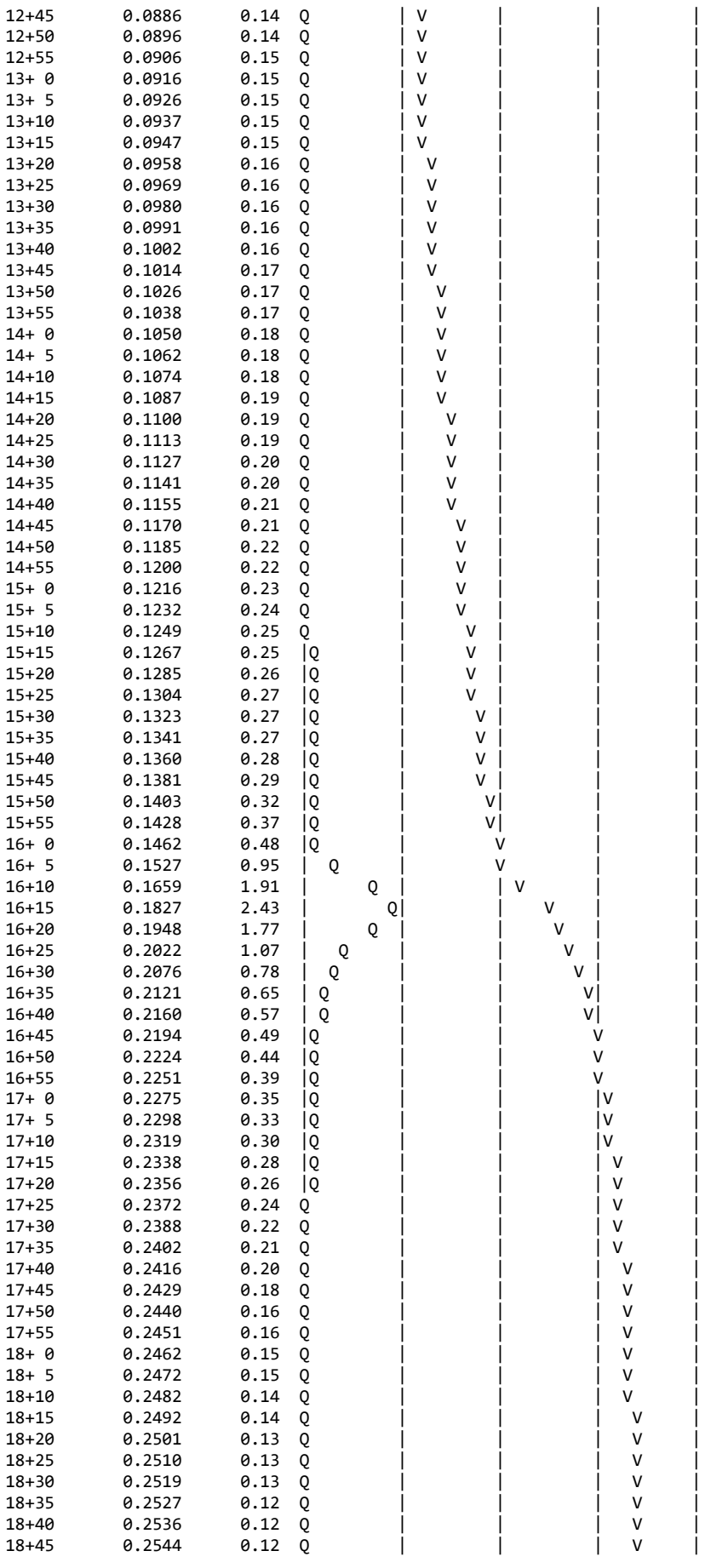
24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0000	0.00	Q	|	|	|	|
0+10	0.0001	0.01	Q	|	|	|	|
0+15	0.0003	0.03	Q	|	|	|	|
0+20	0.0006	0.04	Q	|	|	|	|
0+25	0.0009	0.05	Q	|	|	|	|
0+30	0.0013	0.05	Q	|	|	|	|

0+35	0.0016	0.05	Q	|	|	|	|
0+40	0.0020	0.06	Q	|	|	|	|
0+45	0.0024	0.06	Q	|	|	|	|
0+50	0.0028	0.06	Q	|	|	|	|
0+55	0.0032	0.06	Q	|	|	|	|
1+ 0	0.0036	0.06	Q	|	|	|	|
1+ 5	0.0041	0.06	Q	|	|	|	|
1+10	0.0045	0.06	Q	|	|	|	|
1+15	0.0049	0.06	Q	|	|	|	|
1+20	0.0054	0.06	Q	|	|	|	|
1+25	0.0058	0.06	Q	|	|	|	|
1+30	0.0062	0.06	Q	|	|	|	|
1+35	0.0067	0.06	Q	|	|	|	|
1+40	0.0071	0.07	Q	|	|	|	|
1+45	0.0076	0.07	QV	|	|	|	|
1+50	0.0081	0.07	QV	|	|	|	|
1+55	0.0085	0.07	QV	|	|	|	|
2+ 0	0.0090	0.07	QV	|	|	|	|
2+ 5	0.0094	0.07	QV	|	|	|	|
2+10	0.0099	0.07	QV	|	|	|	|
2+15	0.0103	0.07	QV	|	|	|	|
2+20	0.0108	0.07	QV	|	|	|	|
2+25	0.0113	0.07	QV	|	|	|	|
2+30	0.0117	0.07	QV	|	|	|	|
2+35	0.0122	0.07	QV	|	|	|	|
2+40	0.0127	0.07	QV	|	|	|	|
2+45	0.0131	0.07	QV	|	|	|	|
2+50	0.0136	0.07	QV	|	|	|	|
2+55	0.0141	0.07	QV	|	|	|	|
3+ 0	0.0146	0.07	QV	|	|	|	|
3+ 5	0.0150	0.07	Q V	|	|	|	|
3+10	0.0155	0.07	Q V	|	|	|	|
3+15	0.0160	0.07	Q V	|	|	|	|
3+20	0.0165	0.07	Q V	|	|	|	|
3+25	0.0169	0.07	Q V	|	|	|	|
3+30	0.0174	0.07	Q V	|	|	|	|
3+35	0.0179	0.07	Q V	|	|	|	|
3+40	0.0184	0.07	Q V	|	|	|	|
3+45	0.0189	0.07	Q V	|	|	|	|
3+50	0.0194	0.07	Q V	|	|	|	|
3+55	0.0199	0.07	Q V	|	|	|	|
4+ 0	0.0204	0.07	Q V	|	|	|	|
4+ 5	0.0209	0.07	Q V	|	|	|	|
4+10	0.0214	0.07	Q V	|	|	|	|
4+15	0.0219	0.07	Q V	|	|	|	|
4+20	0.0224	0.07	Q V	|	|	|	|
4+25	0.0229	0.07	Q V	|	|	|	|
4+30	0.0234	0.07	Q V	|	|	|	|
4+35	0.0239	0.07	Q V	|	|	|	|
4+40	0.0244	0.07	Q V	|	|	|	|
4+45	0.0249	0.07	Q V	|	|	|	|
4+50	0.0254	0.07	Q V	|	|	|	|
4+55	0.0259	0.07	Q V	|	|	|	|
5+ 0	0.0264	0.07	Q V	|	|	|	|
5+ 5	0.0269	0.08	Q V	|	|	|	|
5+10	0.0275	0.08	Q V	|	|	|	|
5+15	0.0280	0.08	Q V	|	|	|	|
5+20	0.0285	0.08	Q V	|	|	|	|
5+25	0.0290	0.08	Q V	|	|	|	|
5+30	0.0296	0.08	Q V	|	|	|	|
5+35	0.0301	0.08	Q V	|	|	|	|
5+40	0.0306	0.08	Q V	|	|	|	|
5+45	0.0311	0.08	Q V	|	|	|	|
5+50	0.0317	0.08	Q V	|	|	|	|
5+55	0.0322	0.08	Q V	|	|	|	|
6+ 0	0.0328	0.08	Q V	|	|	|	|
6+ 5	0.0333	0.08	Q V	|	|	|	|
6+10	0.0338	0.08	Q V	|	|	|	|
6+15	0.0344	0.08	Q V	|	|	|	|
6+20	0.0349	0.08	Q V	|	|	|	|
6+25	0.0355	0.08	Q V	|	|	|	|
6+30	0.0360	0.08	Q V	|	|	|	|
6+35	0.0366	0.08	Q V	|	|	|	|

```
 6+40       0.0372      0.08  Q    V    |         |         |         |
 6+45       0.0377      0.08  Q    V    |         |         |         |
 6+50       0.0383      0.08  Q    V    |         |         |         |
 6+55       0.0389      0.08  Q    V    |         |         |         |
 7+ 0       0.0394      0.08  Q    V    |         |         |         |
 7+ 5       0.0400      0.08  Q    V    |         |         |         |
 7+10       0.0406      0.08  Q    V    |         |         |         |
 7+15       0.0411      0.08  Q    V    |         |         |         |
 7+20       0.0417      0.08  Q    V    |         |         |         |
 7+25       0.0423      0.08  Q    V    |         |         |         |
 7+30       0.0429      0.08  Q    V    |         |         |         |
 7+35       0.0435      0.09  Q    V    |         |         |         |
 7+40       0.0441      0.09  Q     V   |         |         |         |
 7+45       0.0447      0.09  Q     V   |         |         |         |
 7+50       0.0453      0.09  Q     V   |         |         |         |
 7+55       0.0459      0.09  Q     V   |         |         |         |
 8+ 0       0.0465      0.09  Q     V   |         |         |         |
 8+ 5       0.0471      0.09  Q     V   |         |         |         |
 8+10       0.0477      0.09  Q     V   |         |         |         |
 8+15       0.0483      0.09  Q     V   |         |         |         |
 8+20       0.0489      0.09  Q     V   |         |         |         |
 8+25       0.0495      0.09  Q     V   |         |         |         |
 8+30       0.0501      0.09  Q     V   |         |         |         |
 8+35       0.0508      0.09  Q     V   |         |         |         |
 8+40       0.0514      0.09  Q      V  |         |         |         |
 8+45       0.0520      0.09  Q      V  |         |         |         |
 8+50       0.0527      0.09  Q      V  |         |         |         |
 8+55       0.0533      0.09  Q      V  |         |         |         |
 9+ 0       0.0540      0.09  Q      V  |         |         |         |
 9+ 5       0.0546      0.09  Q      V  |         |         |         |
 9+10       0.0553      0.09  Q      V  |         |         |         |
 9+15       0.0559      0.10  Q      V  |         |         |         |
 9+20       0.0566      0.10  Q      V  |         |         |         |
 9+25       0.0572      0.10  Q      V  |         |         |         |
 9+30       0.0579      0.10  Q      V  |         |         |         |
 9+35       0.0586      0.10  Q       V |         |         |         |
 9+40       0.0592      0.10  Q       V |         |         |         |
 9+45       0.0599      0.10  Q       V |         |         |         |
 9+50       0.0606      0.10  Q       V |         |         |         |
 9+55       0.0613      0.10  Q       V |         |         |         |
10+ 0       0.0620      0.10  Q       V |         |         |         |
10+ 5       0.0627      0.10  Q       V |         |         |         |
10+10       0.0634      0.10  Q       V |         |         |         |
10+15       0.0641      0.10  Q       V |         |         |         |
10+20       0.0648      0.10  Q       V |         |         |         |
10+25       0.0655      0.10  Q       V |         |         |         |
10+30       0.0663      0.11  Q        V|         |         |         |
10+35       0.0670      0.11  Q        V|         |         |         |
10+40       0.0677      0.11  Q        V|         |         |         |
10+45       0.0685      0.11  Q        V|         |         |         |
10+50       0.0692      0.11  Q        V|         |         |         |
10+55       0.0700      0.11  Q        V|         |         |         |
11+ 0       0.0707      0.11  Q        V|         |         |         |
11+ 5       0.0715      0.11  Q        V|         |         |         |
11+10       0.0722      0.11  Q        V|         |         |         |
11+15       0.0730      0.11  Q        V|         |         |         |
11+20       0.0738      0.11  Q         V         |         |         |
11+25       0.0746      0.11  Q         V         |         |         |
11+30       0.0754      0.12  Q         V         |         |         |
11+35       0.0762      0.12  Q         V         |         |         |
11+40       0.0770      0.12  Q         V         |         |         |
11+45       0.0778      0.12  Q         V         |         |         |
11+50       0.0786      0.12  Q         V         |         |         |
11+55       0.0795      0.12  Q         V         |         |         |
12+ 0       0.0803      0.12  Q         V         |         |         |
12+ 5       0.0812      0.12  Q         |V        |         |         |
12+10       0.0820      0.13  Q         |V        |         |         |
12+15       0.0829      0.13  Q         |V        |         |         |
12+20       0.0839      0.13  Q         |V        |         |         |
12+25       0.0848      0.13  Q         |V        |         |         |
12+30       0.0857      0.14  Q         |V        |         |         |
12+35       0.0867      0.14  Q         |V        |         |         |
12+40       0.0876      0.14  Q         |V        |         |         |
```



18+50	0.2552	0.12	Q				V
18+55	0.2560	0.11	Q				V
19+ 0	0.2568	0.11	Q				V
19+ 5	0.2575	0.11	Q				V
19+10	0.2583	0.11	Q				V
19+15	0.2590	0.11	Q				V
19+20	0.2598	0.11	Q				V
19+25	0.2605	0.10	Q				V
19+30	0.2612	0.10	Q				V
19+35	0.2619	0.10	Q				V
19+40	0.2626	0.10	Q				V
19+45	0.2632	0.10	Q				V
19+50	0.2639	0.10	Q				V
19+55	0.2646	0.10	Q				V
20+ 0	0.2652	0.09	Q				V
20+ 5	0.2659	0.09	Q				V
20+10	0.2665	0.09	Q				V
20+15	0.2671	0.09	Q				V
20+20	0.2678	0.09	Q				V
20+25	0.2684	0.09	Q				V
20+30	0.2690	0.09	Q				V
20+35	0.2696	0.09	Q				V
20+40	0.2702	0.09	Q				V
20+45	0.2708	0.09	Q				V
20+50	0.2714	0.09	Q				V
20+55	0.2719	0.08	Q				V
21+ 0	0.2725	0.08	Q				V
21+ 5	0.2731	0.08	Q				V
21+10	0.2737	0.08	Q				V
21+15	0.2742	0.08	Q				V
21+20	0.2748	0.08	Q				V
21+25	0.2753	0.08	Q				V
21+30	0.2759	0.08	Q				V
21+35	0.2764	0.08	Q				V
21+40	0.2769	0.08	Q				V
21+45	0.2775	0.08	Q				V
21+50	0.2780	0.08	Q				V
21+55	0.2785	0.08	Q				V
22+ 0	0.2790	0.08	Q				V
22+ 5	0.2796	0.07	Q				V
22+10	0.2801	0.07	Q				V
22+15	0.2806	0.07	Q				V
22+20	0.2811	0.07	Q				V
22+25	0.2816	0.07	Q				V
22+30	0.2821	0.07	Q				V
22+35	0.2826	0.07	Q				V
22+40	0.2831	0.07	Q				V
22+45	0.2835	0.07	Q				V
22+50	0.2840	0.07	Q				V
22+55	0.2845	0.07	Q				V
23+ 0	0.2850	0.07	Q				V
23+ 5	0.2855	0.07	Q				V
23+10	0.2859	0.07	Q				V
23+15	0.2864	0.07	Q				V
23+20	0.2869	0.07	Q				V
23+25	0.2873	0.07	Q				V
23+30	0.2878	0.07	Q				V
23+35	0.2882	0.07	Q				V
23+40	0.2887	0.07	Q				V
23+45	0.2892	0.07	Q				V
23+50	0.2896	0.07	Q				V
23+55	0.2900	0.06	Q				V
24+ 0	0.2905	0.06	Q				V
24+ 5	0.2909	0.06	Q				V
24+10	0.2913	0.05	Q				V
24+15	0.2915	0.03	Q				V
24+20	0.2916	0.02	Q				V
24+25	0.2918	0.02	Q				V
24+30	0.2919	0.01	Q				V
24+35	0.2919	0.01	Q				V
24+40	0.2920	0.01	Q				V
24+45	0.2920	0.01	Q				V
24+50	0.2921	0.01	Q				V

```
   24+55       0.2921      0.00  Q         |         |         |        V|
   25+ 0       0.2921      0.00  Q         |         |         |        V|
   25+ 5       0.2921      0.00  Q         |         |         |        V|
   25+10       0.2922      0.00  Q         |         |         |        V|
   25+15       0.2922      0.00  Q         |         |         |        V|
   25+20       0.2922      0.00  Q         |         |         |        V|
   25+25       0.2922      0.00  Q         |         |         |        V|
   25+30       0.2922      0.00  Q         |         |         |        V|
   25+35       0.2922      0.00  Q         |         |         |        V|
   25+40       0.2922      0.00  Q         |         |         |         V
-------------------------------------------------------------------------
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U n i t H y d r o g r a p h A n a l y s i s

Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018, Version 9.0

Study date 08/02/23

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San Bernardino County Synthetic Unit Hydrology Method
Manual date - August 1986

Program License Serial Number 6481

Post-Development Condition
Unit Hydrograph Method
Drainage Management Area A2
10-Year, 24-Hour Storm

Storm Event Year = 10

Antecedent Moisture Condition = 2

English (in-lb) Input Units Used

English Rainfall Data (Inches) Input Values Used

English Units used in output format

Area averaged rainfall intensity isohyetal data:

Sub-Area (Ac.)	Duration (hours)	Isohyetal (In)
Rainfall data for year 10		
15.00	1	0.92
Rainfall data for year 10		
15.00	6	2.32
Rainfall data for year 10		
15.00	24	4.55

++

******** Area-averaged max loss rate, Fm ********

SCS curve No.(AMCII)	SCS curve NO.(AMC 2)	Area (Ac.)	Area Fraction	Fp(Fig C6) (In/Hr)	Ap (dec.)	Fm (In/Hr)
32.0	32.0	15.00	1.000	0.978	0.400	0.391

Area-averaged adjusted loss rate Fm (In/Hr) = 0.391

********* Area-Averaged low loss rate fraction, Yb **********

Area (Ac.)	Area Fract	SCS CN (AMC2)	SCS CN (AMC2)	S	Pervious Yield Fr
6.00	0.400	32.0	32.0	21.25	0.001
9.00	0.600	98.0	98.0	0.20	0.948

Area-averaged catchment yield fraction, Y = 0.569
Area-averaged low loss fraction, Yb = 0.431
User entry of time of concentration = 0.191 (hours)

++

Watershed area = 15.00(Ac.)
Catchment Lag time = 0.153 hours

Unit interval =   5.000 minutes
Unit interval percentage of lag time = 54.5375
Hydrograph baseflow =   0.00(CFS)
Average maximum watershed loss rate(Fm) = 0.391(In/Hr)
Average low loss rate fraction (Yb) = 0.431 (decimal)
VALLEY DEVELOPED S-Graph Selected
Computed peak 5-minute rainfall = 0.340(In)
Computed peak 30-minute rainfall = 0.696(In)
Specified peak 1-hour rainfall = 0.918(In)
Computed peak 3-hour rainfall = 1.621(In)
Specified peak 6-hour rainfall = 2.320(In)
Specified peak 24-hour rainfall = 4.550(In)

Rainfall depth area reduction factors:
Using a total area of   15.00(Ac.) (Ref: fig. E-4)

5-minute factor = 0.999   Adjusted rainfall = 0.340(In)
30-minute factor = 0.999   Adjusted rainfall = 0.695(In)
1-hour factor = 0.999   Adjusted rainfall = 0.917(In)
3-hour factor = 1.000   Adjusted rainfall = 1.621(In)
6-hour factor = 1.000   Adjusted rainfall = 2.320(In)
24-hour factor = 1.000   Adjusted rainfall = 4.550(In)

U n i t H y d r o g r a p h

Interval Number	'S' Graph Mean values	Unit Hydrograph ((CFS))
	(K = 181.41 (CFS))	
1	5.414	9.820
2	34.999	53.670
3	75.540	73.544
4	92.976	31.630
5	98.032	9.172
6	99.199	2.117
7	100.000	1.453

Peak Unit Number	Adjusted mass rainfall (In)	Unit rainfall (In)
1	0.3395	0.3395
2	0.4480	0.1085
3	0.5269	0.0789
4	0.5911	0.0643
5	0.6463	0.0552
6	0.6952	0.0489
7	0.7394	0.0442
8	0.7800	0.0406
9	0.8176	0.0376
10	0.8528	0.0352
11	0.8860	0.0331
12	0.9174	0.0314
13	0.9562	0.0388
14	0.9936	0.0374
15	1.0298	0.0362
16	1.0648	0.0350
17	1.0987	0.0340
18	1.1318	0.0330
19	1.1639	0.0321
20	1.1952	0.0313
21	1.2258	0.0306
22	1.2557	0.0299
23	1.2850	0.0292
24	1.3136	0.0286
25	1.3417	0.0281
26	1.3692	0.0275
27	1.3963	0.0270
28	1.4228	0.0266
29	1.4489	0.0261
30	1.4746	0.0257
31	1.4998	0.0253

32	1.5247	0.0249
33	1.5492	0.0245
34	1.5734	0.0241
35	1.5972	0.0238
36	1.6206	0.0235
37	1.6438	0.0231
38	1.6666	0.0228
39	1.6892	0.0226
40	1.7115	0.0223
41	1.7335	0.0220
42	1.7552	0.0218
43	1.7767	0.0215
44	1.7980	0.0213
45	1.8190	0.0210
46	1.8398	0.0208
47	1.8604	0.0206
48	1.8808	0.0204
49	1.9010	0.0202
50	1.9209	0.0200
51	1.9407	0.0198
52	1.9603	0.0196
53	1.9798	0.0194
54	1.9990	0.0192
55	2.0181	0.0191
56	2.0370	0.0189
57	2.0557	0.0187
58	2.0743	0.0186
59	2.0927	0.0184
60	2.1110	0.0183
61	2.1292	0.0181
62	2.1471	0.0180
63	2.1650	0.0179
64	2.1827	0.0177
65	2.2003	0.0176
66	2.2177	0.0175
67	2.2351	0.0173
68	2.2523	0.0172
69	2.2694	0.0171
70	2.2863	0.0170
71	2.3032	0.0168
72	2.3199	0.0167
73	2.3355	0.0156
74	2.3510	0.0155
75	2.3664	0.0154
76	2.3816	0.0153
77	2.3968	0.0152
78	2.4119	0.0151
79	2.4269	0.0150
80	2.4417	0.0149
81	2.4565	0.0148
82	2.4712	0.0147
83	2.4858	0.0146
84	2.5003	0.0145
85	2.5147	0.0144
86	2.5291	0.0143
87	2.5433	0.0142
88	2.5575	0.0142
89	2.5716	0.0141
90	2.5856	0.0140
91	2.5995	0.0139
92	2.6133	0.0138
93	2.6271	0.0138
94	2.6408	0.0137
95	2.6544	0.0136
96	2.6679	0.0135
97	2.6814	0.0135
98	2.6948	0.0134
99	2.7081	0.0133
100	2.7214	0.0133
101	2.7346	0.0132
102	2.7477	0.0131
103	2.7607	0.0131
104	2.7737	0.0130

105	2.7867	0.0129
106	2.7995	0.0129
107	2.8123	0.0128
108	2.8251	0.0127
109	2.8377	0.0127
110	2.8504	0.0126
111	2.8629	0.0126
112	2.8754	0.0125
113	2.8879	0.0124
114	2.9003	0.0124
115	2.9126	0.0123
116	2.9249	0.0123
117	2.9371	0.0122
118	2.9493	0.0122
119	2.9614	0.0121
120	2.9735	0.0121
121	2.9855	0.0120
122	2.9974	0.0120
123	3.0093	0.0119
124	3.0212	0.0119
125	3.0330	0.0118
126	3.0448	0.0118
127	3.0565	0.0117
128	3.0682	0.0117
129	3.0798	0.0116
130	3.0914	0.0116
131	3.1029	0.0115
132	3.1144	0.0115
133	3.1258	0.0114
134	3.1372	0.0114
135	3.1486	0.0114
136	3.1599	0.0113
137	3.1712	0.0113
138	3.1824	0.0112
139	3.1936	0.0112
140	3.2047	0.0111
141	3.2158	0.0111
142	3.2269	0.0111
143	3.2379	0.0110
144	3.2489	0.0110
145	3.2598	0.0109
146	3.2707	0.0109
147	3.2816	0.0109
148	3.2924	0.0108
149	3.3032	0.0108
150	3.3140	0.0108
151	3.3247	0.0107
152	3.3354	0.0107
153	3.3460	0.0106
154	3.3566	0.0106
155	3.3672	0.0106
156	3.3777	0.0105
157	3.3882	0.0105
158	3.3987	0.0105
159	3.4091	0.0104
160	3.4195	0.0104
161	3.4299	0.0104
162	3.4402	0.0103
163	3.4506	0.0103
164	3.4608	0.0103
165	3.4711	0.0102
166	3.4813	0.0102
167	3.4914	0.0102
168	3.5016	0.0101
169	3.5117	0.0101
170	3.5218	0.0101
171	3.5318	0.0101
172	3.5418	0.0100
173	3.5518	0.0100
174	3.5618	0.0100
175	3.5717	0.0099
176	3.5816	0.0099
177	3.5915	0.0099

178	3.6014	0.0098
179	3.6112	0.0098
180	3.6210	0.0098
181	3.6307	0.0098
182	3.6404	0.0097
183	3.6502	0.0097
184	3.6598	0.0097
185	3.6695	0.0097
186	3.6791	0.0096
187	3.6887	0.0096
188	3.6983	0.0096
189	3.7078	0.0095
190	3.7173	0.0095
191	3.7268	0.0095
192	3.7363	0.0095
193	3.7457	0.0094
194	3.7552	0.0094
195	3.7646	0.0094
196	3.7739	0.0094
197	3.7833	0.0093
198	3.7926	0.0093
199	3.8019	0.0093
200	3.8112	0.0093
201	3.8204	0.0092
202	3.8296	0.0092
203	3.8388	0.0092
204	3.8480	0.0092
205	3.8572	0.0092
206	3.8663	0.0091
207	3.8754	0.0091
208	3.8845	0.0091
209	3.8935	0.0091
210	3.9026	0.0090
211	3.9116	0.0090
212	3.9206	0.0090
213	3.9296	0.0090
214	3.9385	0.0090
215	3.9475	0.0089
216	3.9564	0.0089
217	3.9653	0.0089
218	3.9741	0.0089
219	3.9830	0.0088
220	3.9918	0.0088
221	4.0006	0.0088
222	4.0094	0.0088
223	4.0182	0.0088
224	4.0269	0.0087
225	4.0356	0.0087
226	4.0443	0.0087
227	4.0530	0.0087
228	4.0617	0.0087
229	4.0703	0.0086
230	4.0790	0.0086
231	4.0876	0.0086
232	4.0962	0.0086
233	4.1047	0.0086
234	4.1133	0.0086
235	4.1218	0.0085
236	4.1303	0.0085
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238	4.1473	0.0085
239	4.1557	0.0085
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242	4.1810	0.0084
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245	4.2061	0.0084
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247	4.2228	0.0083
248	4.2311	0.0083
249	4.2393	0.0083
250	4.2476	0.0083

251	4.2559	0.0082
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253	4.2723	0.0082
254	4.2805	0.0082
255	4.2887	0.0082
256	4.2968	0.0082
257	4.3050	0.0081
258	4.3131	0.0081
259	4.3212	0.0081
260	4.3293	0.0081
261	4.3374	0.0081
262	4.3455	0.0081
263	4.3535	0.0081
264	4.3616	0.0080
265	4.3696	0.0080
266	4.3776	0.0080
267	4.3856	0.0080
268	4.3935	0.0080
269	4.4015	0.0080
270	4.4094	0.0079
271	4.4174	0.0079
272	4.4253	0.0079
273	4.4332	0.0079
274	4.4411	0.0079
275	4.4489	0.0079
276	4.4568	0.0079
277	4.4646	0.0078
278	4.4725	0.0078
279	4.4803	0.0078
280	4.4881	0.0078
281	4.4958	0.0078
282	4.5036	0.0078
283	4.5114	0.0078
284	4.5191	0.0077
285	4.5268	0.0077
286	4.5345	0.0077
287	4.5422	0.0077
288	4.5499	0.0077

Unit Period (number)	Unit Rainfall (In)	Unit Soil-Loss (In)	Effective Rainfall (In)
1	0.0077	0.0033	0.0044
2	0.0077	0.0033	0.0044
3	0.0077	0.0033	0.0044
4	0.0077	0.0033	0.0044
5	0.0078	0.0033	0.0044
6	0.0078	0.0034	0.0044
7	0.0078	0.0034	0.0044
8	0.0078	0.0034	0.0045
9	0.0079	0.0034	0.0045
10	0.0079	0.0034	0.0045
11	0.0079	0.0034	0.0045
12	0.0079	0.0034	0.0045
13	0.0079	0.0034	0.0045
14	0.0080	0.0034	0.0045
15	0.0080	0.0034	0.0045
16	0.0080	0.0034	0.0046
17	0.0080	0.0035	0.0046
18	0.0081	0.0035	0.0046
19	0.0081	0.0035	0.0046
20	0.0081	0.0035	0.0046
21	0.0081	0.0035	0.0046
22	0.0081	0.0035	0.0046
23	0.0082	0.0035	0.0047
24	0.0082	0.0035	0.0047
25	0.0082	0.0035	0.0047
26	0.0082	0.0036	0.0047
27	0.0083	0.0036	0.0047
28	0.0083	0.0036	0.0047
29	0.0083	0.0036	0.0047
30	0.0084	0.0036	0.0048

31	0.0084	0.0036	0.0048
32	0.0084	0.0036	0.0048
33	0.0084	0.0036	0.0048
34	0.0085	0.0036	0.0048
35	0.0085	0.0037	0.0048
36	0.0085	0.0037	0.0048
37	0.0086	0.0037	0.0049
38	0.0086	0.0037	0.0049
39	0.0086	0.0037	0.0049
40	0.0086	0.0037	0.0049
41	0.0087	0.0037	0.0049
42	0.0087	0.0037	0.0049
43	0.0087	0.0038	0.0050
44	0.0087	0.0038	0.0050
45	0.0088	0.0038	0.0050
46	0.0088	0.0038	0.0050
47	0.0088	0.0038	0.0050
48	0.0089	0.0038	0.0050
49	0.0089	0.0038	0.0051
50	0.0089	0.0038	0.0051
51	0.0090	0.0039	0.0051
52	0.0090	0.0039	0.0051
53	0.0090	0.0039	0.0051
54	0.0091	0.0039	0.0052
55	0.0091	0.0039	0.0052
56	0.0091	0.0039	0.0052
57	0.0092	0.0040	0.0052
58	0.0092	0.0040	0.0052
59	0.0092	0.0040	0.0053
60	0.0093	0.0040	0.0053
61	0.0093	0.0040	0.0053
62	0.0093	0.0040	0.0053
63	0.0094	0.0040	0.0053
64	0.0094	0.0041	0.0054
65	0.0095	0.0041	0.0054
66	0.0095	0.0041	0.0054
67	0.0095	0.0041	0.0054
68	0.0096	0.0041	0.0054
69	0.0096	0.0041	0.0055
70	0.0097	0.0042	0.0055
71	0.0097	0.0042	0.0055
72	0.0097	0.0042	0.0055
73	0.0098	0.0042	0.0056
74	0.0098	0.0042	0.0056
75	0.0099	0.0043	0.0056
76	0.0099	0.0043	0.0056
77	0.0100	0.0043	0.0057
78	0.0100	0.0043	0.0057
79	0.0101	0.0043	0.0057
80	0.0101	0.0043	0.0057
81	0.0101	0.0044	0.0058
82	0.0102	0.0044	0.0058
83	0.0102	0.0044	0.0058
84	0.0103	0.0044	0.0058
85	0.0103	0.0045	0.0059
86	0.0104	0.0045	0.0059
87	0.0104	0.0045	0.0059
88	0.0105	0.0045	0.0060
89	0.0105	0.0045	0.0060
90	0.0106	0.0046	0.0060
91	0.0106	0.0046	0.0061
92	0.0107	0.0046	0.0061
93	0.0108	0.0046	0.0061
94	0.0108	0.0046	0.0061
95	0.0109	0.0047	0.0062
96	0.0109	0.0047	0.0062
97	0.0110	0.0047	0.0063
98	0.0110	0.0047	0.0063
99	0.0111	0.0048	0.0063
100	0.0111	0.0048	0.0063
101	0.0112	0.0048	0.0064
102	0.0113	0.0049	0.0064
103	0.0114	0.0049	0.0065

104	0.0114	0.0049	0.0065
105	0.0115	0.0049	0.0065
106	0.0115	0.0050	0.0066
107	0.0116	0.0050	0.0066
108	0.0117	0.0050	0.0066
109	0.0118	0.0051	0.0067
110	0.0118	0.0051	0.0067
111	0.0119	0.0051	0.0068
112	0.0120	0.0052	0.0068
113	0.0121	0.0052	0.0069
114	0.0121	0.0052	0.0069
115	0.0122	0.0053	0.0070
116	0.0123	0.0053	0.0070
117	0.0124	0.0053	0.0071
118	0.0124	0.0054	0.0071
119	0.0126	0.0054	0.0072
120	0.0126	0.0054	0.0072
121	0.0127	0.0055	0.0073
122	0.0128	0.0055	0.0073
123	0.0129	0.0056	0.0074
124	0.0130	0.0056	0.0074
125	0.0131	0.0057	0.0075
126	0.0132	0.0057	0.0075
127	0.0133	0.0057	0.0076
128	0.0134	0.0058	0.0076
129	0.0135	0.0058	0.0077
130	0.0136	0.0059	0.0077
131	0.0138	0.0059	0.0078
132	0.0138	0.0060	0.0079
133	0.0140	0.0060	0.0080
134	0.0141	0.0061	0.0080
135	0.0142	0.0061	0.0081
136	0.0143	0.0062	0.0082
137	0.0145	0.0062	0.0083
138	0.0146	0.0063	0.0083
139	0.0148	0.0064	0.0084
140	0.0149	0.0064	0.0085
141	0.0151	0.0065	0.0086
142	0.0152	0.0065	0.0086
143	0.0154	0.0066	0.0088
144	0.0155	0.0067	0.0088
145	0.0167	0.0072	0.0095
146	0.0168	0.0073	0.0096
147	0.0171	0.0074	0.0097
148	0.0172	0.0074	0.0098
149	0.0175	0.0075	0.0099
150	0.0176	0.0076	0.0100
151	0.0179	0.0077	0.0102
152	0.0180	0.0078	0.0102
153	0.0183	0.0079	0.0104
154	0.0184	0.0079	0.0105
155	0.0187	0.0081	0.0107
156	0.0189	0.0081	0.0108
157	0.0192	0.0083	0.0110
158	0.0194	0.0084	0.0111
159	0.0198	0.0085	0.0113
160	0.0200	0.0086	0.0114
161	0.0204	0.0088	0.0116
162	0.0206	0.0089	0.0117
163	0.0210	0.0091	0.0120
164	0.0213	0.0092	0.0121
165	0.0218	0.0094	0.0124
166	0.0220	0.0095	0.0125
167	0.0226	0.0097	0.0128
168	0.0228	0.0098	0.0130
169	0.0235	0.0101	0.0134
170	0.0238	0.0103	0.0135
171	0.0245	0.0106	0.0139
172	0.0249	0.0107	0.0142
173	0.0257	0.0111	0.0146
174	0.0261	0.0112	0.0149
175	0.0270	0.0116	0.0154
176	0.0275	0.0119	0.0157

177	0.0286	0.0123	0.0163
178	0.0292	0.0126	0.0167
179	0.0306	0.0132	0.0174
180	0.0313	0.0135	0.0178
181	0.0330	0.0142	0.0188
182	0.0340	0.0146	0.0193
183	0.0362	0.0156	0.0206
184	0.0374	0.0161	0.0213
185	0.0314	0.0135	0.0179
186	0.0331	0.0143	0.0189
187	0.0376	0.0162	0.0214
188	0.0406	0.0175	0.0231
189	0.0489	0.0211	0.0278
190	0.0552	0.0238	0.0314
191	0.0789	0.0326	0.0463
192	0.1085	0.0326	0.0759
193	0.3395	0.0326	0.3069
194	0.0643	0.0277	0.0366
195	0.0442	0.0190	0.0252
196	0.0352	0.0152	0.0200
197	0.0388	0.0167	0.0221
198	0.0350	0.0151	0.0199
199	0.0321	0.0138	0.0183
200	0.0299	0.0129	0.0170
201	0.0281	0.0121	0.0160
202	0.0266	0.0114	0.0151
203	0.0253	0.0109	0.0144
204	0.0241	0.0104	0.0137
205	0.0231	0.0100	0.0132
206	0.0223	0.0096	0.0127
207	0.0215	0.0093	0.0122
208	0.0208	0.0090	0.0118
209	0.0202	0.0087	0.0115
210	0.0196	0.0084	0.0112
211	0.0191	0.0082	0.0109
212	0.0186	0.0080	0.0106
213	0.0181	0.0078	0.0103
214	0.0177	0.0076	0.0101
215	0.0173	0.0075	0.0099
216	0.0170	0.0073	0.0097
217	0.0156	0.0067	0.0089
218	0.0153	0.0066	0.0087
219	0.0150	0.0065	0.0085
220	0.0147	0.0063	0.0084
221	0.0144	0.0062	0.0082
222	0.0142	0.0061	0.0081
223	0.0139	0.0060	0.0079
224	0.0137	0.0059	0.0078
225	0.0135	0.0058	0.0077
226	0.0133	0.0057	0.0075
227	0.0131	0.0056	0.0074
228	0.0129	0.0055	0.0073
229	0.0127	0.0055	0.0072
230	0.0125	0.0054	0.0071
231	0.0123	0.0053	0.0070
232	0.0122	0.0052	0.0069
233	0.0120	0.0052	0.0068
234	0.0119	0.0051	0.0068
235	0.0117	0.0050	0.0067
236	0.0116	0.0050	0.0066
237	0.0114	0.0049	0.0065
238	0.0113	0.0049	0.0064
239	0.0112	0.0048	0.0064
240	0.0111	0.0048	0.0063
241	0.0109	0.0047	0.0062
242	0.0108	0.0047	0.0062
243	0.0107	0.0046	0.0061
244	0.0106	0.0046	0.0060
245	0.0105	0.0045	0.0060
246	0.0104	0.0045	0.0059
247	0.0103	0.0044	0.0059
248	0.0102	0.0044	0.0058
249	0.0101	0.0044	0.0058

250	0.0100	0.0043	0.0057
251	0.0099	0.0043	0.0057
252	0.0098	0.0042	0.0056
253	0.0098	0.0042	0.0056
254	0.0097	0.0042	0.0055
255	0.0096	0.0041	0.0055
256	0.0095	0.0041	0.0054
257	0.0094	0.0041	0.0054
258	0.0094	0.0040	0.0053
259	0.0093	0.0040	0.0053
260	0.0092	0.0040	0.0053
261	0.0092	0.0039	0.0052
262	0.0091	0.0039	0.0052
263	0.0090	0.0039	0.0051
264	0.0090	0.0039	0.0051
265	0.0089	0.0038	0.0051
266	0.0088	0.0038	0.0050
267	0.0088	0.0038	0.0050
268	0.0087	0.0037	0.0050
269	0.0086	0.0037	0.0049
270	0.0086	0.0037	0.0049
271	0.0085	0.0037	0.0049
272	0.0085	0.0037	0.0048
273	0.0084	0.0036	0.0048
274	0.0084	0.0036	0.0048
275	0.0083	0.0036	0.0047
276	0.0083	0.0036	0.0047
277	0.0082	0.0035	0.0047
278	0.0082	0.0035	0.0046
279	0.0081	0.0035	0.0046
280	0.0081	0.0035	0.0046
281	0.0080	0.0035	0.0046
282	0.0080	0.0034	0.0045
283	0.0079	0.0034	0.0045
284	0.0079	0.0034	0.0045
285	0.0078	0.0034	0.0045
286	0.0078	0.0034	0.0044
287	0.0078	0.0033	0.0044
288	0.0077	0.0033	0.0044

Total soil rain loss = 1.83(In)
Total effective rainfall = 2.72(In)
Peak flow rate in flood hydrograph = 27.71(CFS)

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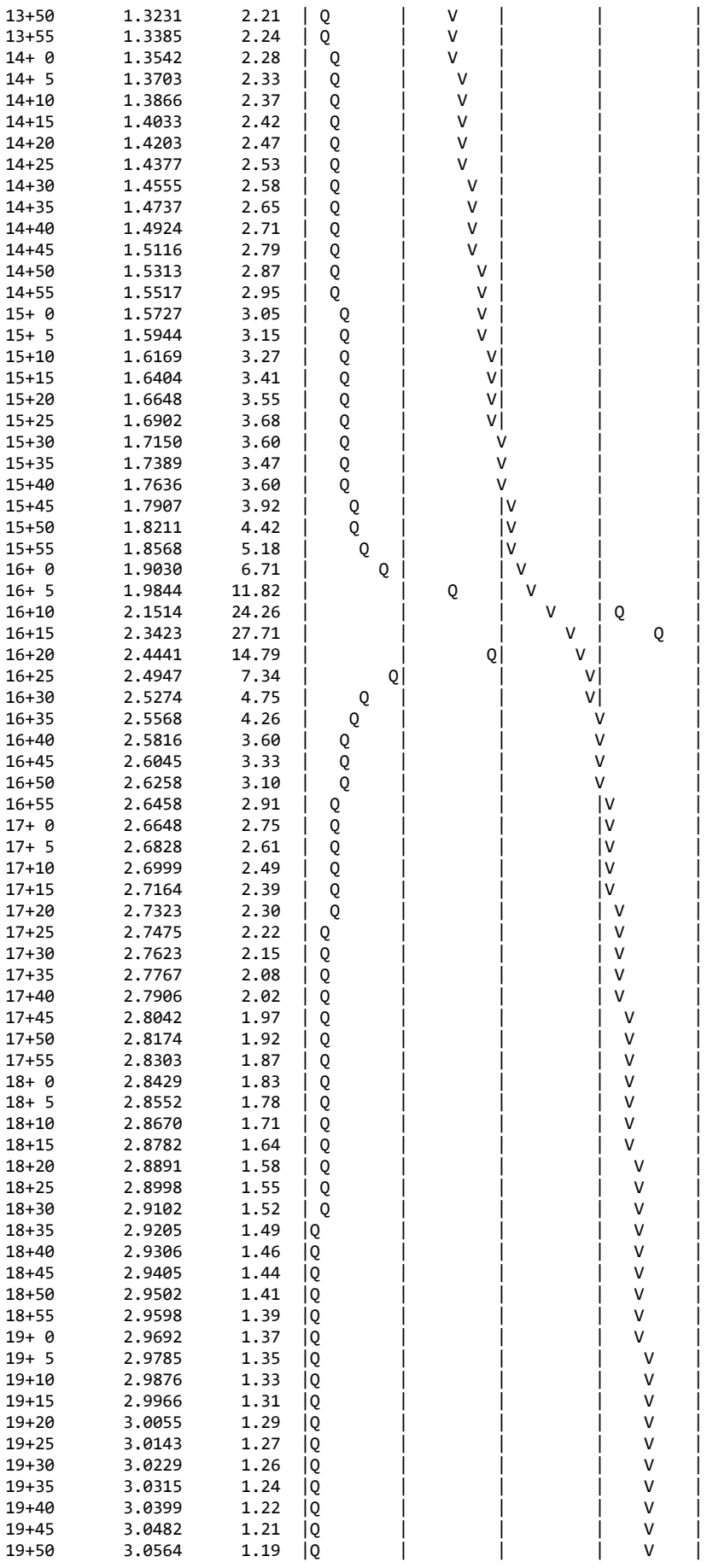
24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	7.5	15.0	22.5	30.0
0+ 5	0.0003	0.04	Q	|	|	|	|
0+10	0.0022	0.28	Q	|	|	|	|
0+15	0.0063	0.60	Q	|	|	|	|
0+20	0.0114	0.74	Q	|	|	|	|
0+25	0.0168	0.78	VQ	|	|	|	|
0+30	0.0223	0.79	VQ	|	|	|	|
0+35	0.0278	0.80	VQ	|	|	|	|
0+40	0.0333	0.80	VQ	|	|	|	|
0+45	0.0389	0.81	VQ	|	|	|	|
0+50	0.0445	0.81	VQ	|	|	|	|
0+55	0.0500	0.81	VQ	|	|	|	|
1+ 0	0.0556	0.81	VQ	|	|	|	|
1+ 5	0.0613	0.82	VQ	|	|	|	|
1+10	0.0669	0.82	VQ	|	|	|	|
1+15	0.0725	0.82	VQ	|	|	|	|
1+20	0.0782	0.82	VQ	|	|	|	|
1+25	0.0839	0.82	VQ	|	|	|	|
1+30	0.0896	0.83	|Q	|	|	|	|
1+35	0.0953	0.83	|Q	|	|	|	|

1+40	0.1010	0.83	Q				
1+45	0.1068	0.83	Q				
1+50	0.1125	0.84	Q				
1+55	0.1183	0.84	Q				
2+ 0	0.1241	0.84	Q				
2+ 5	0.1299	0.84	Q				
2+10	0.1358	0.85	Q				
2+15	0.1416	0.85	Q				
2+20	0.1475	0.85	Q				
2+25	0.1534	0.85	Q				
2+30	0.1593	0.86	Q				
2+35	0.1652	0.86	Q				
2+40	0.1711	0.86	QV				
2+45	0.1771	0.87	QV				
2+50	0.1831	0.87	QV				
2+55	0.1891	0.87	QV				
3+ 0	0.1951	0.87	QV				
3+ 5	0.2011	0.88	QV				
3+10	0.2072	0.88	QV				
3+15	0.2133	0.88	QV				
3+20	0.2194	0.89	QV				
3+25	0.2255	0.89	QV				
3+30	0.2316	0.89	QV				
3+35	0.2378	0.89	QV				
3+40	0.2440	0.90	QV				
3+45	0.2502	0.90	QV				
3+50	0.2564	0.90	Q V				
3+55	0.2627	0.91	Q V				
4+ 0	0.2689	0.91	Q V				
4+ 5	0.2752	0.91	Q V				
4+10	0.2815	0.92	Q V				
4+15	0.2879	0.92	Q V				
4+20	0.2942	0.92	Q V				
4+25	0.3006	0.93	Q V				
4+30	0.3070	0.93	Q V				
4+35	0.3134	0.93	Q V				
4+40	0.3199	0.94	Q V				
4+45	0.3264	0.94	Q V				
4+50	0.3329	0.94	Q V				
4+55	0.3394	0.95	Q V				
5+ 0	0.3459	0.95	Q V				
5+ 5	0.3525	0.95	Q V				
5+10	0.3591	0.96	Q V				
5+15	0.3657	0.96	Q V				
5+20	0.3724	0.97	Q V				
5+25	0.3791	0.97	Q V				
5+30	0.3858	0.97	Q V				
5+35	0.3925	0.98	Q V				
5+40	0.3992	0.98	Q V				
5+45	0.4060	0.99	Q V				
5+50	0.4128	0.99	Q V				
5+55	0.4197	0.99	Q V				
6+ 0	0.4266	1.00	Q V				
6+ 5	0.4335	1.00	Q V				
6+10	0.4404	1.01	Q V				
6+15	0.4473	1.01	Q V				
6+20	0.4543	1.01	Q V				
6+25	0.4614	1.02	Q V				
6+30	0.4684	1.02	Q V				
6+35	0.4755	1.03	Q V				
6+40	0.4826	1.03	Q V				
6+45	0.4897	1.04	Q V				
6+50	0.4969	1.04	Q V				
6+55	0.5041	1.05	Q V				
7+ 0	0.5114	1.05	Q V				
7+ 5	0.5186	1.06	Q V				
7+10	0.5260	1.06	Q V				
7+15	0.5333	1.07	Q V				
7+20	0.5407	1.07	Q V				
7+25	0.5481	1.08	Q V				
7+30	0.5556	1.08	Q V				
7+35	0.5631	1.09	Q V				
7+40	0.5706	1.09	Q V				

7+45	0.5781	1.10	Q V				
7+50	0.5858	1.10	Q V				
7+55	0.5934	1.11	Q V				
8+ 0	0.6011	1.12	Q V				
8+ 5	0.6088	1.12	Q V				
8+10	0.6166	1.13	Q V				
8+15	0.6244	1.13	Q V				
8+20	0.6322	1.14	Q V				
8+25	0.6401	1.15	Q V				
8+30	0.6480	1.15	Q V				
8+35	0.6560	1.16	Q V				
8+40	0.6641	1.17	Q V				
8+45	0.6721	1.17	Q V				
8+50	0.6802	1.18	Q V				
8+55	0.6884	1.19	Q V				
9+ 0	0.6966	1.19	Q V				
9+ 5	0.7049	1.20	Q V				
9+10	0.7132	1.21	Q V				
9+15	0.7216	1.21	Q V				
9+20	0.7300	1.22	Q V				
9+25	0.7384	1.23	Q V				
9+30	0.7470	1.24	Q V				
9+35	0.7555	1.25	Q V				
9+40	0.7642	1.25	Q V				
9+45	0.7729	1.26	Q V				
9+50	0.7816	1.27	Q V				
9+55	0.7904	1.28	Q V				
10+ 0	0.7993	1.29	Q V				
10+ 5	0.8082	1.30	Q V				
10+10	0.8172	1.31	Q V				
10+15	0.8262	1.31	Q V				
10+20	0.8354	1.32	Q V				
10+25	0.8445	1.33	Q V				
10+30	0.8538	1.34	Q V				
10+35	0.8631	1.35	Q V				
10+40	0.8725	1.36	Q V				
10+45	0.8820	1.38	Q V				
10+50	0.8915	1.39	Q V				
10+55	0.9012	1.40	Q V				
11+ 0	0.9109	1.41	Q V				
11+ 5	0.9206	1.42	Q V				
11+10	0.9305	1.43	Q V				
11+15	0.9405	1.44	Q V				
11+20	0.9505	1.46	Q V				
11+25	0.9606	1.47	Q V				
11+30	0.9708	1.48	Q V				
11+35	0.9811	1.50	Q V				
11+40	0.9915	1.51	Q V				
11+45	1.0021	1.53	Q V				
11+50	1.0127	1.54	Q V				
11+55	1.0234	1.56	Q V				
12+ 0	1.0342	1.57	Q V				
12+ 5	1.0452	1.59	Q V				
12+10	1.0565	1.64	Q V				
12+15	1.0682	1.70	Q V				
12+20	1.0801	1.74	Q V				
12+25	1.0922	1.76	Q V				
12+30	1.1045	1.78	Q V				
12+35	1.1169	1.80	Q V				
12+40	1.1294	1.82	Q V				
12+45	1.1421	1.84	Q V				
12+50	1.1550	1.86	Q V				
12+55	1.1680	1.89	Q V				
13+ 0	1.1811	1.91	Q V				
13+ 5	1.1944	1.93	Q V				
13+10	1.2079	1.96	Q V				
13+15	1.2216	1.99	Q V				
13+20	1.2354	2.01	Q V				
13+25	1.2495	2.04	Q V				
13+30	1.2638	2.07	Q V				
13+35	1.2782	2.10	Q V				
13+40	1.2929	2.13	Q V				
13+45	1.3079	2.17	Q V				



```
  19+55       3.0646      1.18  |Q        |         |         |     V   |
  20+ 0       3.0726      1.17  |Q        |         |         |     V   |
  20+ 5       3.0806      1.15  |Q        |         |         |     V   |
  20+10       3.0884      1.14  |Q        |         |         |     V   |
  20+15       3.0962      1.13  |Q        |         |         |     V   |
  20+20       3.1039      1.12  |Q        |         |         |     V   |
  20+25       3.1115      1.11  |Q        |         |         |     V   |
  20+30       3.1191      1.09  |Q        |         |         |     V   |
  20+35       3.1265      1.08  |Q        |         |         |     V   |
  20+40       3.1339      1.07  |Q        |         |         |     V   |
  20+45       3.1413      1.06  |Q        |         |         |     V   |
  20+50       3.1485      1.05  |Q        |         |         |      V  |
  20+55       3.1557      1.04  |Q        |         |         |      V  |
  21+ 0       3.1628      1.03  |Q        |         |         |      V  |
  21+ 5       3.1699      1.03  |Q        |         |         |      V  |
  21+10       3.1769      1.02  |Q        |         |         |      V  |
  21+15       3.1838      1.01  |Q        |         |         |      V  |
  21+20       3.1907      1.00  |Q        |         |         |      V  |
  21+25       3.1975      0.99  |Q        |         |         |      V  |
  21+30       3.2043      0.98  |Q        |         |         |      V  |
  21+35       3.2110      0.97  |Q        |         |         |      V  |
  21+40       3.2177      0.97  |Q        |         |         |      V  |
  21+45       3.2243      0.96  |Q        |         |         |      V  |
  21+50       3.2308      0.95  |Q        |         |         |       V |
  21+55       3.2373      0.94  |Q        |         |         |       V |
  22+ 0       3.2438      0.94  |Q        |         |         |       V |
  22+ 5       3.2502      0.93  |Q        |         |         |       V |
  22+10       3.2566      0.92  |Q        |         |         |       V |
  22+15       3.2629      0.92  |Q        |         |         |       V |
  22+20       3.2692      0.91  |Q        |         |         |       V |
  22+25       3.2754      0.90  |Q        |         |         |       V |
  22+30       3.2816      0.90  |Q        |         |         |       V |
  22+35       3.2877      0.89  |Q        |         |         |       V |
  22+40       3.2938      0.89  |Q        |         |         |       V |
  22+45       3.2999      0.88  |Q        |         |         |       V |
  22+50       3.3059      0.87  |Q        |         |         |       V |
  22+55       3.3119      0.87  |Q        |         |         |       V |
  23+ 0       3.3179      0.86  |Q        |         |         |        V|
  23+ 5       3.3238      0.86  |Q        |         |         |        V|
  23+10       3.3297      0.85  |Q        |         |         |        V|
  23+15       3.3355      0.85  |Q        |         |         |        V|
  23+20       3.3413      0.84  |Q        |         |         |        V|
  23+25       3.3471      0.84  |Q        |         |         |        V|
  23+30       3.3528      0.83  |Q        |         |         |        V|
  23+35       3.3585      0.83  |Q        |         |         |        V|
  23+40       3.3642      0.82  |Q        |         |         |        V|
  23+45       3.3698      0.82  |Q        |         |         |        V|
  23+50       3.3754      0.81  |Q        |         |         |        V|
  23+55       3.3810      0.81  |Q        |         |         |        V|
  24+ 0       3.3865      0.80  |Q        |         |         |        V|
  24+ 5       3.3917      0.76  |Q        |         |         |        V|
  24+10       3.3953      0.52  Q         |         |         |        V|
  24+15       3.3967      0.20  Q         |         |         |        V|
  24+20       3.3970      0.06  Q         |         |         |        V|
  24+25       3.3972      0.02  Q         |         |         |        V|
  24+30       3.3972      0.01  Q         |         |         |         V
-------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018, Version 9.0

Study date 08/02/23

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San Bernardino County Synthetic Unit Hydrology Method
Manual date - August 1986

Program License Serial Number 6481

Post-Development Condition
Unit Hydragh Method
Drainag Management Area A3
10-Year, 24-Hour Storm

Storm Event Year = 10

Antecedent Moisture Condition = 2

English (in-lb) Input Units Used

English Rainfall Data (Inches) Input Values Used

English Units used in output format

Area averaged rainfall intensity isohyetal data:

Sub-Area (Ac.)	Duration (hours)	Isohyetal (In)
Rainfall data for year 10		
0.39	1	0.92
Rainfall data for year 10		
0.39	6	2.32
Rainfall data for year 10		
0.39	24	4.55

++

******** Area-averaged max loss rate, Fm ********

SCS curve No.(AMCII)	SCS curve NO.(AMC 2)	Area (Ac.)	Area Fraction	Fp(Fig C6) (In/Hr)	Ap (dec.)	Fm (In/Hr)
67.0	67.0	0.39	1.000	0.578	1.000	0.578

Area-averaged adjusted loss rate Fm (In/Hr) = 0.578

********* Area-Averaged low loss rate fraction, Yb **********

Area (Ac.)	Area Fract	SCS CN (AMC2)	SCS CN (AMC2)	S	Pervious Yield Fr
0.39	1.000	67.0	67.0	4.93	0.329

Area-averaged catchment yield fraction, Y = 0.329
Area-averaged low loss fraction, Yb = 0.671
User entry of time of concentration = 0.265 (hours)

++
Watershed area = 0.39(Ac.)
Catchment Lag time = 0.212 hours
Unit interval = 5.000 minutes

Unit interval percentage of lag time = 39.3082
Hydrograph baseflow = 0.00(CFS)
Average maximum watershed loss rate(Fm) = 0.578(In/Hr)
Average low loss rate fraction (Yb) = 0.671 (decimal)
VALLEY UNDEVELOPED S-Graph Selected
Computed peak 5-minute rainfall = 0.340(In)
Computed peak 30-minute rainfall = 0.697(In)
Specified peak 1-hour rainfall = 0.920(In)
Computed peak 3-hour rainfall = 1.622(In)
Specified peak 6-hour rainfall = 2.320(In)
Specified peak 24-hour rainfall = 4.550(In)

Rainfall depth area reduction factors:
Using a total area of 0.39(Ac.) (Ref: fig. E-4)

5-minute factor = 1.000 Adjusted rainfall = 0.340(In)
30-minute factor = 1.000 Adjusted rainfall = 0.697(In)
1-hour factor = 1.000 Adjusted rainfall = 0.920(In)
3-hour factor = 1.000 Adjusted rainfall = 1.622(In)
6-hour factor = 1.000 Adjusted rainfall = 2.320(In)
24-hour factor = 1.000 Adjusted rainfall = 4.550(In)

U n i t H y d r o g r a p h

Interval Number	'S' Graph Mean values	Unit Hydrograph ((CFS))
	(K = 4.72 (CFS))	
1	4.244	0.200
2	21.589	0.818
3	47.952	1.243
4	65.737	0.839
5	74.463	0.412
6	79.909	0.257
7	83.954	0.191
8	87.094	0.148
9	89.544	0.116
10	91.531	0.094
11	93.100	0.074
12	94.353	0.059
13	95.528	0.055
14	96.475	0.045
15	97.259	0.037
16	97.924	0.031
17	98.463	0.025
18	98.879	0.020
19	99.272	0.019
20	99.665	0.019
21	100.000	0.016

Peak Unit Number	Adjusted mass rainfall (In)	Unit rainfall (In)
1	0.3405	0.3405
2	0.4493	0.1088
3	0.5284	0.0791
4	0.5928	0.0644
5	0.6482	0.0553
6	0.6972	0.0490
7	0.7416	0.0443
8	0.7822	0.0407
9	0.8200	0.0377
10	0.8553	0.0353
11	0.8885	0.0332
12	0.9200	0.0315
13	0.9588	0.0388
14	0.9962	0.0374
15	1.0323	0.0361
16	1.0673	0.0350
17	1.1012	0.0339
18	1.1342	0.0330

19	1.1663	0.0321
20	1.1976	0.0313
21	1.2281	0.0305
22	1.2580	0.0299
23	1.2872	0.0292
24	1.3158	0.0286
25	1.3438	0.0280
26	1.3713	0.0275
27	1.3983	0.0270
28	1.4248	0.0265
29	1.4508	0.0260
30	1.4764	0.0256
31	1.5016	0.0252
32	1.5264	0.0248
33	1.5509	0.0244
34	1.5750	0.0241
35	1.5987	0.0237
36	1.6221	0.0234
37	1.6452	0.0231
38	1.6681	0.0228
39	1.6906	0.0225
40	1.7128	0.0222
41	1.7348	0.0220
42	1.7565	0.0217
43	1.7780	0.0215
44	1.7992	0.0212
45	1.8202	0.0210
46	1.8410	0.0208
47	1.8615	0.0206
48	1.8818	0.0203
49	1.9020	0.0201
50	1.9219	0.0199
51	1.9417	0.0197
52	1.9612	0.0196
53	1.9806	0.0194
54	1.9998	0.0192
55	2.0189	0.0190
56	2.0377	0.0189
57	2.0564	0.0187
58	2.0750	0.0185
59	2.0934	0.0184
60	2.1116	0.0182
61	2.1297	0.0181
62	2.1476	0.0180
63	2.1655	0.0178
64	2.1831	0.0177
65	2.2007	0.0175
66	2.2181	0.0174
67	2.2354	0.0173
68	2.2525	0.0172
69	2.2696	0.0170
70	2.2865	0.0169
71	2.3033	0.0168
72	2.3200	0.0167
73	2.3356	0.0156
74	2.3511	0.0155
75	2.3665	0.0154
76	2.3818	0.0153
77	2.3969	0.0152
78	2.4120	0.0151
79	2.4270	0.0150
80	2.4419	0.0149
81	2.4566	0.0148
82	2.4713	0.0147
83	2.4859	0.0146
84	2.5004	0.0145
85	2.5149	0.0144
86	2.5292	0.0143
87	2.5434	0.0142
88	2.5576	0.0142
89	2.5717	0.0141
90	2.5857	0.0140
91	2.5996	0.0139

92	2.6134	0.0138
93	2.6272	0.0138
94	2.6409	0.0137
95	2.6545	0.0136
96	2.6680	0.0135
97	2.6815	0.0135
98	2.6949	0.0134
99	2.7082	0.0133
100	2.7215	0.0133
101	2.7347	0.0132
102	2.7478	0.0131
103	2.7608	0.0131
104	2.7738	0.0130
105	2.7868	0.0129
106	2.7996	0.0129
107	2.8124	0.0128
108	2.8252	0.0127
109	2.8379	0.0127
110	2.8505	0.0126
111	2.8630	0.0126
112	2.8755	0.0125
113	2.8880	0.0124
114	2.9004	0.0124
115	2.9127	0.0123
116	2.9250	0.0123
117	2.9372	0.0122
118	2.9494	0.0122
119	2.9615	0.0121
120	2.9736	0.0121
121	2.9856	0.0120
122	2.9975	0.0120
123	3.0095	0.0119
124	3.0213	0.0119
125	3.0331	0.0118
126	3.0449	0.0118
127	3.0566	0.0117
128	3.0683	0.0117
129	3.0799	0.0116
130	3.0915	0.0116
131	3.1030	0.0115
132	3.1145	0.0115
133	3.1259	0.0114
134	3.1373	0.0114
135	3.1487	0.0114
136	3.1600	0.0113
137	3.1713	0.0113
138	3.1825	0.0112
139	3.1937	0.0112
140	3.2048	0.0111
141	3.2159	0.0111
142	3.2270	0.0111
143	3.2380	0.0110
144	3.2490	0.0110
145	3.2599	0.0109
146	3.2708	0.0109
147	3.2817	0.0109
148	3.2925	0.0108
149	3.3033	0.0108
150	3.3141	0.0108
151	3.3248	0.0107
152	3.3355	0.0107
153	3.3461	0.0106
154	3.3567	0.0106
155	3.3673	0.0106
156	3.3778	0.0105
157	3.3883	0.0105
158	3.3988	0.0105
159	3.4092	0.0104
160	3.4196	0.0104
161	3.4300	0.0104
162	3.4404	0.0103
163	3.4507	0.0103
164	3.4609	0.0103

165	3.4712	0.0102
166	3.4814	0.0102
167	3.4915	0.0102
168	3.5017	0.0101
169	3.5118	0.0101
170	3.5219	0.0101
171	3.5319	0.0101
172	3.5419	0.0100
173	3.5519	0.0100
174	3.5619	0.0100
175	3.5718	0.0099
176	3.5817	0.0099
177	3.5916	0.0099
178	3.6015	0.0098
179	3.6113	0.0098
180	3.6211	0.0098
181	3.6308	0.0098
182	3.6405	0.0097
183	3.6503	0.0097
184	3.6599	0.0097
185	3.6696	0.0097
186	3.6792	0.0096
187	3.6888	0.0096
188	3.6984	0.0096
189	3.7079	0.0095
190	3.7174	0.0095
191	3.7269	0.0095
192	3.7364	0.0095
193	3.7458	0.0094
194	3.7553	0.0094
195	3.7647	0.0094
196	3.7740	0.0094
197	3.7834	0.0093
198	3.7927	0.0093
199	3.8020	0.0093
200	3.8112	0.0093
201	3.8205	0.0092
202	3.8297	0.0092
203	3.8389	0.0092
204	3.8481	0.0092
205	3.8573	0.0092
206	3.8664	0.0091
207	3.8755	0.0091
208	3.8846	0.0091
209	3.8936	0.0091
210	3.9027	0.0090
211	3.9117	0.0090
212	3.9207	0.0090
213	3.9297	0.0090
214	3.9386	0.0090
215	3.9476	0.0089
216	3.9565	0.0089
217	3.9654	0.0089
218	3.9742	0.0089
219	3.9831	0.0088
220	3.9919	0.0088
221	4.0007	0.0088
222	4.0095	0.0088
223	4.0182	0.0088
224	4.0270	0.0087
225	4.0357	0.0087
226	4.0444	0.0087
227	4.0531	0.0087
228	4.0618	0.0087
229	4.0704	0.0086
230	4.0790	0.0086
231	4.0877	0.0086
232	4.0962	0.0086
233	4.1048	0.0086
234	4.1134	0.0086
235	4.1219	0.0085
236	4.1304	0.0085
237	4.1389	0.0085

238	4.1474	0.0085
239	4.1558	0.0085
240	4.1643	0.0084
241	4.1727	0.0084
242	4.1811	0.0084
243	4.1895	0.0084
244	4.1979	0.0084
245	4.2062	0.0084
246	4.2145	0.0083
247	4.2229	0.0083
248	4.2311	0.0083
249	4.2394	0.0083
250	4.2477	0.0083
251	4.2559	0.0082
252	4.2642	0.0082
253	4.2724	0.0082
254	4.2806	0.0082
255	4.2888	0.0082
256	4.2969	0.0082
257	4.3051	0.0081
258	4.3132	0.0081
259	4.3213	0.0081
260	4.3294	0.0081
261	4.3375	0.0081
262	4.3456	0.0081
263	4.3536	0.0081
264	4.3616	0.0080
265	4.3697	0.0080
266	4.3777	0.0080
267	4.3857	0.0080
268	4.3936	0.0080
269	4.4016	0.0080
270	4.4095	0.0079
271	4.4175	0.0079
272	4.4254	0.0079
273	4.4333	0.0079
274	4.4412	0.0079
275	4.4490	0.0079
276	4.4569	0.0079
277	4.4647	0.0078
278	4.4725	0.0078
279	4.4803	0.0078
280	4.4881	0.0078
281	4.4959	0.0078
282	4.5037	0.0078
283	4.5114	0.0078
284	4.5192	0.0077
285	4.5269	0.0077
286	4.5346	0.0077
287	4.5423	0.0077
288	4.5500	0.0077

Unit Period (number)	Unit Rainfall (In)	Unit Soil-Loss (In)	Effective Rainfall (In)
1	0.0077	0.0052	0.0025
2	0.0077	0.0052	0.0025
3	0.0077	0.0052	0.0025
4	0.0077	0.0052	0.0025
5	0.0078	0.0052	0.0026
6	0.0078	0.0052	0.0026
7	0.0078	0.0052	0.0026
8	0.0078	0.0053	0.0026
9	0.0079	0.0053	0.0026
10	0.0079	0.0053	0.0026
11	0.0079	0.0053	0.0026
12	0.0079	0.0053	0.0026
13	0.0079	0.0053	0.0026
14	0.0080	0.0053	0.0026
15	0.0080	0.0054	0.0026
16	0.0080	0.0054	0.0026
17	0.0080	0.0054	0.0026

18	0.0081	0.0054	0.0026
19	0.0081	0.0054	0.0027
20	0.0081	0.0054	0.0027
21	0.0081	0.0055	0.0027
22	0.0081	0.0055	0.0027
23	0.0082	0.0055	0.0027
24	0.0082	0.0055	0.0027
25	0.0082	0.0055	0.0027
26	0.0082	0.0055	0.0027
27	0.0083	0.0056	0.0027
28	0.0083	0.0056	0.0027
29	0.0083	0.0056	0.0027
30	0.0084	0.0056	0.0027
31	0.0084	0.0056	0.0028
32	0.0084	0.0056	0.0028
33	0.0084	0.0057	0.0028
34	0.0085	0.0057	0.0028
35	0.0085	0.0057	0.0028
36	0.0085	0.0057	0.0028
37	0.0086	0.0057	0.0028
38	0.0086	0.0058	0.0028
39	0.0086	0.0058	0.0028
40	0.0086	0.0058	0.0028
41	0.0087	0.0058	0.0029
42	0.0087	0.0058	0.0029
43	0.0087	0.0059	0.0029
44	0.0087	0.0059	0.0029
45	0.0088	0.0059	0.0029
46	0.0088	0.0059	0.0029
47	0.0088	0.0059	0.0029
48	0.0089	0.0060	0.0029
49	0.0089	0.0060	0.0029
50	0.0089	0.0060	0.0029
51	0.0090	0.0060	0.0030
52	0.0090	0.0060	0.0030
53	0.0090	0.0061	0.0030
54	0.0091	0.0061	0.0030
55	0.0091	0.0061	0.0030
56	0.0091	0.0061	0.0030
57	0.0092	0.0062	0.0030
58	0.0092	0.0062	0.0030
59	0.0092	0.0062	0.0030
60	0.0093	0.0062	0.0030
61	0.0093	0.0063	0.0031
62	0.0093	0.0063	0.0031
63	0.0094	0.0063	0.0031
64	0.0094	0.0063	0.0031
65	0.0095	0.0064	0.0031
66	0.0095	0.0064	0.0031
67	0.0095	0.0064	0.0031
68	0.0096	0.0064	0.0031
69	0.0096	0.0065	0.0032
70	0.0097	0.0065	0.0032
71	0.0097	0.0065	0.0032
72	0.0097	0.0065	0.0032
73	0.0098	0.0066	0.0032
74	0.0098	0.0066	0.0032
75	0.0099	0.0066	0.0032
76	0.0099	0.0066	0.0033
77	0.0100	0.0067	0.0033
78	0.0100	0.0067	0.0033
79	0.0101	0.0067	0.0033
80	0.0101	0.0068	0.0033
81	0.0101	0.0068	0.0033
82	0.0102	0.0068	0.0033
83	0.0102	0.0069	0.0034
84	0.0103	0.0069	0.0034
85	0.0103	0.0069	0.0034
86	0.0104	0.0070	0.0034
87	0.0104	0.0070	0.0034
88	0.0105	0.0070	0.0034
89	0.0105	0.0071	0.0035
90	0.0106	0.0071	0.0035

91	0.0106	0.0071	0.0035
92	0.0107	0.0072	0.0035
93	0.0108	0.0072	0.0035
94	0.0108	0.0072	0.0035
95	0.0109	0.0073	0.0036
96	0.0109	0.0073	0.0036
97	0.0110	0.0074	0.0036
98	0.0110	0.0074	0.0036
99	0.0111	0.0074	0.0037
100	0.0111	0.0075	0.0037
101	0.0112	0.0075	0.0037
102	0.0113	0.0076	0.0037
103	0.0114	0.0076	0.0037
104	0.0114	0.0076	0.0037
105	0.0115	0.0077	0.0038
106	0.0115	0.0077	0.0038
107	0.0116	0.0078	0.0038
108	0.0117	0.0078	0.0038
109	0.0118	0.0079	0.0039
110	0.0118	0.0079	0.0039
111	0.0119	0.0080	0.0039
112	0.0120	0.0080	0.0039
113	0.0121	0.0081	0.0040
114	0.0121	0.0081	0.0040
115	0.0122	0.0082	0.0040
116	0.0123	0.0082	0.0040
117	0.0124	0.0083	0.0041
118	0.0124	0.0084	0.0041
119	0.0126	0.0084	0.0041
120	0.0126	0.0085	0.0042
121	0.0127	0.0085	0.0042
122	0.0128	0.0086	0.0042
123	0.0129	0.0087	0.0043
124	0.0130	0.0087	0.0043
125	0.0131	0.0088	0.0043
126	0.0132	0.0089	0.0043
127	0.0133	0.0089	0.0044
128	0.0134	0.0090	0.0044
129	0.0135	0.0091	0.0045
130	0.0136	0.0091	0.0045
131	0.0138	0.0092	0.0045
132	0.0138	0.0093	0.0046
133	0.0140	0.0094	0.0046
134	0.0141	0.0094	0.0046
135	0.0142	0.0096	0.0047
136	0.0143	0.0096	0.0047
137	0.0145	0.0097	0.0048
138	0.0146	0.0098	0.0048
139	0.0148	0.0099	0.0049
140	0.0149	0.0100	0.0049
141	0.0151	0.0101	0.0050
142	0.0152	0.0102	0.0050
143	0.0154	0.0103	0.0051
144	0.0155	0.0104	0.0051
145	0.0167	0.0112	0.0055
146	0.0168	0.0113	0.0055
147	0.0170	0.0114	0.0056
148	0.0172	0.0115	0.0056
149	0.0174	0.0117	0.0057
150	0.0175	0.0118	0.0058
151	0.0178	0.0120	0.0059
152	0.0180	0.0120	0.0059
153	0.0182	0.0122	0.0060
154	0.0184	0.0123	0.0061
155	0.0187	0.0126	0.0062
156	0.0189	0.0127	0.0062
157	0.0192	0.0129	0.0063
158	0.0194	0.0130	0.0064
159	0.0197	0.0133	0.0065
160	0.0199	0.0134	0.0066
161	0.0203	0.0136	0.0067
162	0.0206	0.0138	0.0068
163	0.0210	0.0141	0.0069

164	0.0212	0.0142	0.0070
165	0.0217	0.0146	0.0071
166	0.0220	0.0147	0.0072
167	0.0225	0.0151	0.0074
168	0.0228	0.0153	0.0075
169	0.0234	0.0157	0.0077
170	0.0237	0.0159	0.0078
171	0.0244	0.0164	0.0080
172	0.0248	0.0167	0.0082
173	0.0256	0.0172	0.0084
174	0.0260	0.0175	0.0086
175	0.0270	0.0181	0.0089
176	0.0275	0.0184	0.0090
177	0.0286	0.0192	0.0094
178	0.0292	0.0196	0.0096
179	0.0305	0.0205	0.0100
180	0.0313	0.0210	0.0103
181	0.0330	0.0221	0.0108
182	0.0339	0.0228	0.0112
183	0.0361	0.0242	0.0119
184	0.0374	0.0251	0.0123
185	0.0315	0.0211	0.0104
186	0.0332	0.0223	0.0109
187	0.0377	0.0253	0.0124
188	0.0407	0.0273	0.0134
189	0.0490	0.0329	0.0161
190	0.0553	0.0371	0.0182
191	0.0791	0.0482	0.0309
192	0.1088	0.0482	0.0606
193	0.3405	0.0482	0.2923
194	0.0644	0.0432	0.0212
195	0.0443	0.0298	0.0146
196	0.0353	0.0237	0.0116
197	0.0388	0.0260	0.0128
198	0.0350	0.0235	0.0115
199	0.0321	0.0215	0.0106
200	0.0299	0.0200	0.0098
201	0.0280	0.0188	0.0092
202	0.0265	0.0178	0.0087
203	0.0252	0.0169	0.0083
204	0.0241	0.0162	0.0079
205	0.0231	0.0155	0.0076
206	0.0222	0.0149	0.0073
207	0.0215	0.0144	0.0071
208	0.0208	0.0139	0.0068
209	0.0201	0.0135	0.0066
210	0.0196	0.0131	0.0064
211	0.0190	0.0128	0.0063
212	0.0185	0.0124	0.0061
213	0.0181	0.0121	0.0060
214	0.0177	0.0119	0.0058
215	0.0173	0.0116	0.0057
216	0.0169	0.0114	0.0056
217	0.0156	0.0105	0.0051
218	0.0153	0.0103	0.0050
219	0.0150	0.0100	0.0049
220	0.0147	0.0099	0.0048
221	0.0144	0.0097	0.0047
222	0.0142	0.0095	0.0047
223	0.0139	0.0093	0.0046
224	0.0137	0.0092	0.0045
225	0.0135	0.0090	0.0044
226	0.0133	0.0089	0.0044
227	0.0131	0.0088	0.0043
228	0.0129	0.0086	0.0042
229	0.0127	0.0085	0.0042
230	0.0125	0.0084	0.0041
231	0.0123	0.0083	0.0041
232	0.0122	0.0082	0.0040
233	0.0120	0.0081	0.0040
234	0.0119	0.0080	0.0039
235	0.0117	0.0079	0.0039
236	0.0116	0.0078	0.0038

237	0.0114	0.0077	0.0038
238	0.0113	0.0076	0.0037
239	0.0112	0.0075	0.0037
240	0.0111	0.0074	0.0036
241	0.0109	0.0073	0.0036
242	0.0108	0.0073	0.0036
243	0.0107	0.0072	0.0035
244	0.0106	0.0071	0.0035
245	0.0105	0.0070	0.0035
246	0.0104	0.0070	0.0034
247	0.0103	0.0069	0.0034
248	0.0102	0.0068	0.0034
249	0.0101	0.0068	0.0033
250	0.0100	0.0067	0.0033
251	0.0099	0.0067	0.0033
252	0.0098	0.0066	0.0032
253	0.0098	0.0065	0.0032
254	0.0097	0.0065	0.0032
255	0.0096	0.0064	0.0032
256	0.0095	0.0064	0.0031
257	0.0094	0.0063	0.0031
258	0.0094	0.0063	0.0031
259	0.0093	0.0062	0.0031
260	0.0092	0.0062	0.0030
261	0.0092	0.0061	0.0030
262	0.0091	0.0061	0.0030
263	0.0090	0.0061	0.0030
264	0.0090	0.0060	0.0029
265	0.0089	0.0060	0.0029
266	0.0088	0.0059	0.0029
267	0.0088	0.0059	0.0029
268	0.0087	0.0058	0.0029
269	0.0086	0.0058	0.0028
270	0.0086	0.0058	0.0028
271	0.0085	0.0057	0.0028
272	0.0085	0.0057	0.0028
273	0.0084	0.0057	0.0028
274	0.0084	0.0056	0.0028
275	0.0083	0.0056	0.0027
276	0.0083	0.0055	0.0027
277	0.0082	0.0055	0.0027
278	0.0082	0.0055	0.0027
279	0.0081	0.0054	0.0027
280	0.0081	0.0054	0.0027
281	0.0080	0.0054	0.0026
282	0.0080	0.0054	0.0026
283	0.0079	0.0053	0.0026
284	0.0079	0.0053	0.0026
285	0.0078	0.0053	0.0026
286	0.0078	0.0052	0.0026
287	0.0078	0.0052	0.0026
288	0.0077	0.0052	0.0025

Total soil rain loss = 2.84(In)
Total effective rainfall = 1.71(In)
Peak flow rate in flood hydrograph = 0.46(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0000	0.00	Q	|	|	|	|
0+10	0.0000	0.00	Q	|	|	|	|
0+15	0.0001	0.01	Q	|	|	|	|
0+20	0.0001	0.01	Q	|	|	|	|
0+25	0.0002	0.01	Q	|	|	|	|
0+30	0.0002	0.01	Q	|	|	|	|

0+35	0.0003	0.01	Q	|	|	|	|
0+40	0.0004	0.01	Q	|	|	|	|
0+45	0.0005	0.01	Q	|	|	|	|
0+50	0.0005	0.01	Q	|	|	|	|
0+55	0.0006	0.01	Q	|	|	|	|
1+ 0	0.0007	0.01	Q	|	|	|	|
1+ 5	0.0008	0.01	Q	|	|	|	|
1+10	0.0009	0.01	Q	|	|	|	|
1+15	0.0009	0.01	Q	|	|	|	|
1+20	0.0010	0.01	Q	|	|	|	|
1+25	0.0011	0.01	Q	|	|	|	|
1+30	0.0012	0.01	Q	|	|	|	|
1+35	0.0013	0.01	Q	|	|	|	|
1+40	0.0014	0.01	Q	|	|	|	|
1+45	0.0014	0.01	QV	|	|	|	|
1+50	0.0015	0.01	QV	|	|	|	|
1+55	0.0016	0.01	QV	|	|	|	|
2+ 0	0.0017	0.01	QV	|	|	|	|
2+ 5	0.0018	0.01	QV	|	|	|	|
2+10	0.0019	0.01	QV	|	|	|	|
2+15	0.0020	0.01	QV	|	|	|	|
2+20	0.0021	0.01	QV	|	|	|	|
2+25	0.0021	0.01	QV	|	|	|	|
2+30	0.0022	0.01	QV	|	|	|	|
2+35	0.0023	0.01	QV	|	|	|	|
2+40	0.0024	0.01	QV	|	|	|	|
2+45	0.0025	0.01	QV	|	|	|	|
2+50	0.0026	0.01	QV	|	|	|	|
2+55	0.0027	0.01	QV	|	|	|	|
3+ 0	0.0028	0.01	QV	|	|	|	|
3+ 5	0.0029	0.01	Q V	|	|	|	|
3+10	0.0029	0.01	Q V	|	|	|	|
3+15	0.0030	0.01	Q V	|	|	|	|
3+20	0.0031	0.01	Q V	|	|	|	|
3+25	0.0032	0.01	Q V	|	|	|	|
3+30	0.0033	0.01	Q V	|	|	|	|
3+35	0.0034	0.01	Q V	|	|	|	|
3+40	0.0035	0.01	Q V	|	|	|	|
3+45	0.0036	0.01	Q V	|	|	|	|
3+50	0.0037	0.01	Q V	|	|	|	|
3+55	0.0038	0.01	Q V	|	|	|	|
4+ 0	0.0039	0.01	Q V	|	|	|	|
4+ 5	0.0040	0.01	Q V	|	|	|	|
4+10	0.0041	0.01	Q V	|	|	|	|
4+15	0.0041	0.01	Q V	|	|	|	|
4+20	0.0042	0.01	Q V	|	|	|	|
4+25	0.0043	0.01	Q V	|	|	|	|
4+30	0.0044	0.01	Q V	|	|	|	|
4+35	0.0045	0.01	Q V	|	|	|	|
4+40	0.0046	0.01	Q V	|	|	|	|
4+45	0.0047	0.01	Q V	|	|	|	|
4+50	0.0048	0.01	Q V	|	|	|	|
4+55	0.0049	0.01	Q V	|	|	|	|
5+ 0	0.0050	0.01	Q V	|	|	|	|
5+ 5	0.0051	0.01	Q V	|	|	|	|
5+10	0.0052	0.01	Q V	|	|	|	|
5+15	0.0053	0.01	Q V	|	|	|	|
5+20	0.0054	0.01	Q V	|	|	|	|
5+25	0.0055	0.01	Q V	|	|	|	|
5+30	0.0056	0.01	Q V	|	|	|	|
5+35	0.0057	0.01	Q V	|	|	|	|
5+40	0.0058	0.01	Q V	|	|	|	|
5+45	0.0059	0.01	Q V	|	|	|	|
5+50	0.0060	0.01	Q V	|	|	|	|
5+55	0.0061	0.01	Q V	|	|	|	|
6+ 0	0.0062	0.01	Q V	|	|	|	|
6+ 5	0.0063	0.01	Q V	|	|	|	|
6+10	0.0064	0.02	Q V	|	|	|	|
6+15	0.0065	0.02	Q V	|	|	|	|
6+20	0.0066	0.02	Q V	|	|	|	|
6+25	0.0067	0.02	Q V	|	|	|	|
6+30	0.0068	0.02	Q V	|	|	|	|
6+35	0.0069	0.02	Q V	|	|	|	|

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 6+40       0.0071      0.02  Q    V    |         |         |         |
 6+45       0.0072      0.02  Q    V    |         |         |         |
 6+50       0.0073      0.02  Q    V    |         |         |         |
 6+55       0.0074      0.02  Q    V    |         |         |         |
 7+ 0       0.0075      0.02  Q    V    |         |         |         |
 7+ 5       0.0076      0.02  Q    V    |         |         |         |
 7+10       0.0077      0.02  Q    V    |         |         |         |
 7+15       0.0078      0.02  Q    V    |         |         |         |
 7+20       0.0079      0.02  Q    V    |         |         |         |
 7+25       0.0080      0.02  Q    V    |         |         |         |
 7+30       0.0081      0.02  Q    V    |         |         |         |
 7+35       0.0083      0.02  Q    V    |         |         |         |
 7+40       0.0084      0.02  Q     V   |         |         |         |
 7+45       0.0085      0.02  Q     V   |         |         |         |
 7+50       0.0086      0.02  Q     V   |         |         |         |
 7+55       0.0087      0.02  Q     V   |         |         |         |
 8+ 0       0.0088      0.02  Q     V   |         |         |         |
 8+ 5       0.0089      0.02  Q     V   |         |         |         |
 8+10       0.0090      0.02  Q     V   |         |         |         |
 8+15       0.0092      0.02  Q     V   |         |         |         |
 8+20       0.0093      0.02  Q     V   |         |         |         |
 8+25       0.0094      0.02  Q     V   |         |         |         |
 8+30       0.0095      0.02  Q     V   |         |         |         |
 8+35       0.0096      0.02  Q     V   |         |         |         |
 8+40       0.0098      0.02  Q      V  |         |         |         |
 8+45       0.0099      0.02  Q      V  |         |         |         |
 8+50       0.0100      0.02  Q      V  |         |         |         |
 8+55       0.0101      0.02  Q      V  |         |         |         |
 9+ 0       0.0102      0.02  Q      V  |         |         |         |
 9+ 5       0.0104      0.02  Q      V  |         |         |         |
 9+10       0.0105      0.02  Q      V  |         |         |         |
 9+15       0.0106      0.02  Q      V  |         |         |         |
 9+20       0.0107      0.02  Q      V  |         |         |         |
 9+25       0.0109      0.02  Q      V  |         |         |         |
 9+30       0.0110      0.02  Q      V  |         |         |         |
 9+35       0.0111      0.02  Q       V |         |         |         |
 9+40       0.0112      0.02  Q       V |         |         |         |
 9+45       0.0114      0.02  Q       V |         |         |         |
 9+50       0.0115      0.02  Q       V |         |         |         |
 9+55       0.0116      0.02  Q       V |         |         |         |
10+ 0       0.0118      0.02  Q       V |         |         |         |
10+ 5       0.0119      0.02  Q       V |         |         |         |
10+10       0.0120      0.02  Q       V |         |         |         |
10+15       0.0122      0.02  Q       V |         |         |         |
10+20       0.0123      0.02  Q       V |         |         |         |
10+25       0.0124      0.02  Q       V |         |         |         |
10+30       0.0126      0.02  Q        V|         |         |         |
10+35       0.0127      0.02  Q        V|         |         |         |
10+40       0.0129      0.02  Q        V|         |         |         |
10+45       0.0130      0.02  Q        V|         |         |         |
10+50       0.0131      0.02  Q        V|         |         |         |
10+55       0.0133      0.02  Q        V|         |         |         |
11+ 0       0.0134      0.02  Q        V|         |         |         |
11+ 5       0.0136      0.02  Q        V|         |         |         |
11+10       0.0137      0.02  Q        V|         |         |         |
11+15       0.0139      0.02  Q        V|         |         |         |
11+20       0.0140      0.02  Q         V         |         |         |
11+25       0.0142      0.02  Q         V         |         |         |
11+30       0.0143      0.02  Q         V         |         |         |
11+35       0.0145      0.02  Q         V         |         |         |
11+40       0.0146      0.02  Q         V         |         |         |
11+45       0.0148      0.02  Q         V         |         |         |
11+50       0.0149      0.02  Q         V         |         |         |
11+55       0.0151      0.02  Q         V         |         |         |
12+ 0       0.0152      0.02  Q         V         |         |         |
12+ 5       0.0154      0.02  Q         |V        |         |         |
12+10       0.0156      0.02  Q         |V        |         |         |
12+15       0.0157      0.02  Q         |V        |         |         |
12+20       0.0159      0.03  Q         |V        |         |         |
12+25       0.0161      0.03  Q         |V        |         |         |
12+30       0.0163      0.03  Q         |V        |         |         |
12+35       0.0164      0.03  Q         |V        |         |         |
12+40       0.0166      0.03  Q         |V        |         |         |
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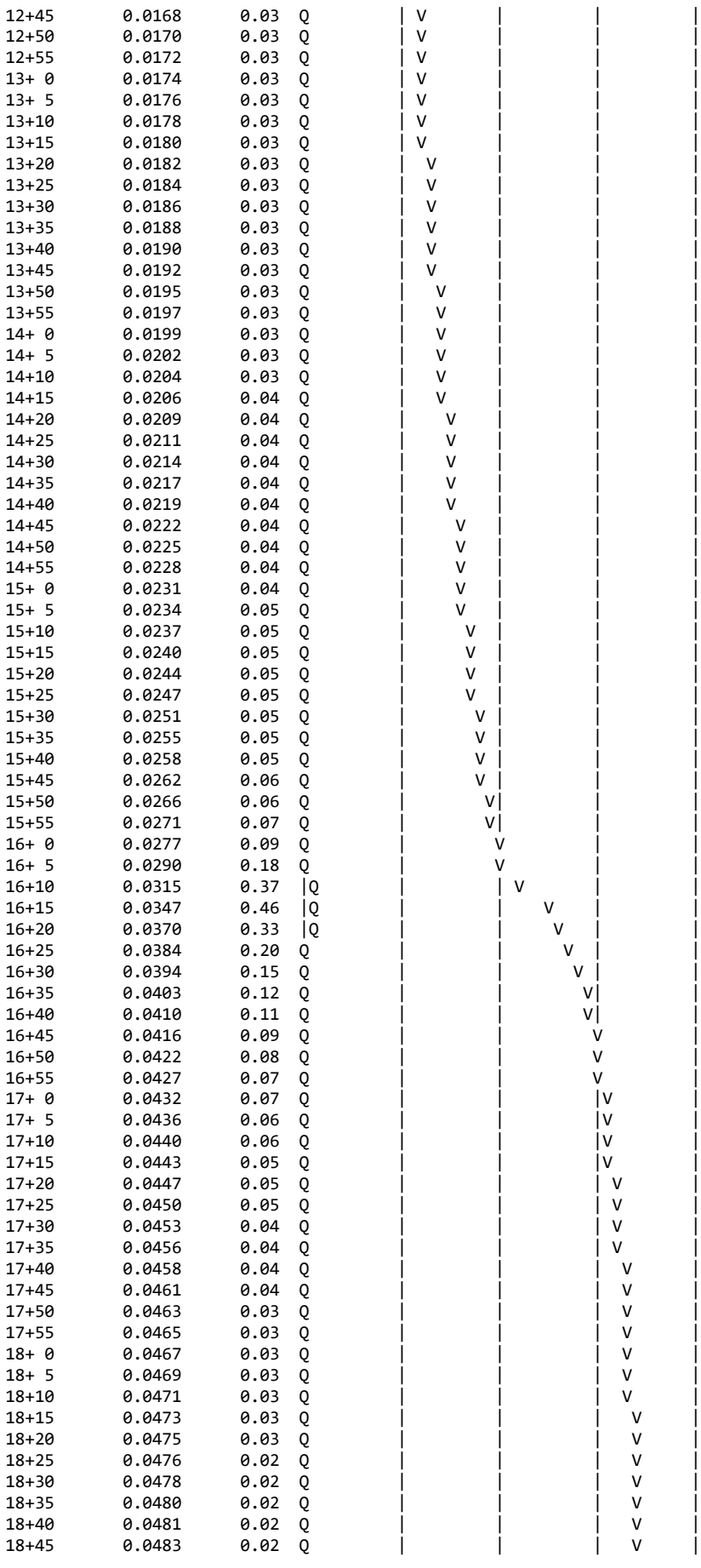

18+50	0.0484	0.02	Q	|	|	|	V |
18+55	0.0486	0.02	Q	|	|	|	V |
19+ 0	0.0487	0.02	Q	|	|	|	V |
19+ 5	0.0489	0.02	Q	|	|	|	V |
19+10	0.0490	0.02	Q	|	|	|	V |
19+15	0.0492	0.02	Q	|	|	|	V |
19+20	0.0493	0.02	Q	|	|	|	V |
19+25	0.0494	0.02	Q	|	|	|	V |
19+30	0.0496	0.02	Q	|	|	|	V |
19+35	0.0497	0.02	Q	|	|	|	V |
19+40	0.0498	0.02	Q	|	|	|	V |
19+45	0.0500	0.02	Q	|	|	|	V |
19+50	0.0501	0.02	Q	|	|	|	V |
19+55	0.0502	0.02	Q	|	|	|	V |
20+ 0	0.0503	0.02	Q	|	|	|	V |
20+ 5	0.0504	0.02	Q	|	|	|	V |
20+10	0.0506	0.02	Q	|	|	|	V |
20+15	0.0507	0.02	Q	|	|	|	V |
20+20	0.0508	0.02	Q	|	|	|	V |
20+25	0.0509	0.02	Q	|	|	|	V |
20+30	0.0510	0.02	Q	|	|	|	V |
20+35	0.0512	0.02	Q	|	|	|	V |
20+40	0.0513	0.02	Q	|	|	|	V |
20+45	0.0514	0.02	Q	|	|	|	V |
20+50	0.0515	0.02	Q	|	|	|	V |
20+55	0.0516	0.02	Q	|	|	|	V |
21+ 0	0.0517	0.02	Q	|	|	|	V |
21+ 5	0.0518	0.02	Q	|	|	|	V |
21+10	0.0519	0.02	Q	|	|	|	V |
21+15	0.0520	0.02	Q	|	|	|	V |
21+20	0.0521	0.02	Q	|	|	|	V |
21+25	0.0522	0.02	Q	|	|	|	V |
21+30	0.0523	0.02	Q	|	|	|	V |
21+35	0.0524	0.01	Q	|	|	|	V |
21+40	0.0526	0.01	Q	|	|	|	V |
21+45	0.0527	0.01	Q	|	|	|	V |
21+50	0.0528	0.01	Q	|	|	|	V |
21+55	0.0529	0.01	Q	|	|	|	V |
22+ 0	0.0529	0.01	Q	|	|	|	V |
22+ 5	0.0530	0.01	Q	|	|	|	V |
22+10	0.0531	0.01	Q	|	|	|	V |
22+15	0.0532	0.01	Q	|	|	|	V |
22+20	0.0533	0.01	Q	|	|	|	V |
22+25	0.0534	0.01	Q	|	|	|	V |
22+30	0.0535	0.01	Q	|	|	|	V |
22+35	0.0536	0.01	Q	|	|	|	V |
22+40	0.0537	0.01	Q	|	|	|	V |
22+45	0.0538	0.01	Q	|	|	|	V |
22+50	0.0539	0.01	Q	|	|	|	V |
22+55	0.0540	0.01	Q	|	|	|	V |
23+ 0	0.0541	0.01	Q	|	|	|	V|
23+ 5	0.0542	0.01	Q	|	|	|	V|
23+10	0.0543	0.01	Q	|	|	|	V|
23+15	0.0543	0.01	Q	|	|	|	V|
23+20	0.0544	0.01	Q	|	|	|	V|
23+25	0.0545	0.01	Q	|	|	|	V|
23+30	0.0546	0.01	Q	|	|	|	V|
23+35	0.0547	0.01	Q	|	|	|	V|
23+40	0.0548	0.01	Q	|	|	|	V|
23+45	0.0549	0.01	Q	|	|	|	V|
23+50	0.0550	0.01	Q	|	|	|	V|
23+55	0.0550	0.01	Q	|	|	|	V|
24+ 0	0.0551	0.01	Q	|	|	|	V|
24+ 5	0.0552	0.01	Q	|	|	|	V|
24+10	0.0553	0.01	Q	|	|	|	V|
24+15	0.0553	0.01	Q	|	|	|	V|
24+20	0.0553	0.00	Q	|	|	|	V|
24+25	0.0554	0.00	Q	|	|	|	V|
24+30	0.0554	0.00	Q	|	|	|	V|
24+35	0.0554	0.00	Q	|	|	|	V|
24+40	0.0554	0.00	Q	|	|	|	V|
24+45	0.0554	0.00	Q	|	|	|	V|
24+50	0.0554	0.00	Q	|	|	|	V|

```
   24+55       0.0554      0.00  Q         |         |         |        V|
   25+ 0       0.0554      0.00  Q         |         |         |        V|
   25+ 5       0.0554      0.00  Q         |         |         |        V|
   25+10       0.0554      0.00  Q         |         |         |        V|
   25+15       0.0554      0.00  Q         |         |         |        V|
   25+20       0.0554      0.00  Q         |         |         |        V|
   25+25       0.0554      0.00  Q         |         |         |        V|
   25+30       0.0554      0.00  Q         |         |         |        V|
   25+35       0.0554      0.00  Q         |         |         |        V|
   25+40       0.0554      0.00  Q         |         |         |         V
-------------------------------------------------------------------------
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U n i t H y d r o g r a p h A n a l y s i s

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Study date 08/02/23

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San Bernardino County Synthetic Unit Hydrology Method
Manual date - August 1986

Program License Serial Number 6481

Pre-Development Condition
Unit Hydragh Method
Drainag Management Area A1
100-Year, 24-Hour Storm

Storm Event Year = 100

Antecedent Moisture Condition = 3

English (in-lb) Input Units Used

English Rainfall Data (Inches) Input Values Used

English Units used in output format

Area averaged rainfall intensity isohyetal data:

Sub-Area (Ac.)	Duration (hours)	Isohyetal (In)
Rainfall data for year 100		
2.06	1	1.49
Rainfall data for year 100		
2.06	6	3.61
Rainfall data for year 100		
2.06	24	7.18

++

******** Area-averaged max loss rate, Fm ********

SCS curve No.(AMCII)	SCS curve NO.(AMC 3)	Area (Ac.)	Area Fraction	Fp(Fig C6) (In/Hr)	Ap (dec.)	Fm (In/Hr)
67.0	84.6	2.06	1.000	0.290	1.000	0.290

Area-averaged adjusted loss rate Fm (In/Hr) = 0.290

********* Area-Averaged low loss rate fraction, Yb **********

Area (Ac.)	Area Fract	SCS CN (AMC2)	SCS CN (AMC3)	S	Pervious Yield Fr
2.06	1.000	67.0	84.6	1.82	0.749

Area-averaged catchment yield fraction, Y = 0.749
Area-averaged low loss fraction, Yb = 0.251
User entry of time of concentration = 0.268 (hours)

++
Watershed area = 2.06(Ac.)
Catchment Lag time = 0.214 hours
Unit interval = 5.000 minutes

Unit interval percentage of lag time = 38.8682
Hydrograph baseflow = 0.00(CFS)
Average maximum watershed loss rate(Fm) = 0.290(In/Hr)
Average low loss rate fraction (Yb) = 0.251 (decimal)
VALLEY UNDEVELOPED S-Graph Selected
Computed peak 5-minute rainfall = 0.551(In)
Computed peak 30-minute rainfall = 1.129(In)
Specified peak 1-hour rainfall = 1.490(In)
Computed peak 3-hour rainfall = 2.563(In)
Specified peak 6-hour rainfall = 3.610(In)
Specified peak 24-hour rainfall = 7.180(In)

Rainfall depth area reduction factors:
Using a total area of 2.06(Ac.) (Ref: fig. E-4)

5-minute factor = 1.000 Adjusted rainfall = 0.551(In)
30-minute factor = 1.000 Adjusted rainfall = 1.129(In)
1-hour factor = 1.000 Adjusted rainfall = 1.490(In)
3-hour factor = 1.000 Adjusted rainfall = 2.563(In)
6-hour factor = 1.000 Adjusted rainfall = 3.610(In)
24-hour factor = 1.000 Adjusted rainfall = 7.180(In)

U n i t H y d r o g r a p h

Interval Number	'S' Graph Mean values	Unit Hydrograph ((CFS))
	(K = 24.91 (CFS))	
1	4.173	1.040
2	21.175	4.236
3	47.273	6.502
4	65.272	4.484
5	74.135	2.208
6	79.624	1.367
7	83.689	1.013
8	86.869	0.792
9	89.323	0.611
10	91.347	0.504
11	92.940	0.397
12	94.197	0.313
13	95.373	0.293
14	96.344	0.242
15	97.143	0.199
16	97.820	0.169
17	98.373	0.138
18	98.802	0.107
19	99.191	0.097
20	99.579	0.097
21	100.000	0.048

Peak Unit Number	Adjusted mass rainfall (In)	Unit rainfall (In)
1	0.5514	0.5514
2	0.7276	0.1762
3	0.8557	0.1281
4	0.9601	0.1044
5	1.0497	0.0896
6	1.1291	0.0794
7	1.2009	0.0718
8	1.2668	0.0659
9	1.3279	0.0611
10	1.3851	0.0572
11	1.4389	0.0538
12	1.4899	0.0510
13	1.5499	0.0601
14	1.6077	0.0578
15	1.6635	0.0557
16	1.7174	0.0539
17	1.7696	0.0522
18	1.8202	0.0507

19	1.8695	0.0493
20	1.9175	0.0480
21	1.9643	0.0468
22	2.0099	0.0457
23	2.0545	0.0446
24	2.0982	0.0436
25	2.1409	0.0427
26	2.1828	0.0419
27	2.2239	0.0411
28	2.2642	0.0403
29	2.3038	0.0396
30	2.3427	0.0389
31	2.3809	0.0383
32	2.4186	0.0376
33	2.4556	0.0370
34	2.4921	0.0365
35	2.5280	0.0359
36	2.5635	0.0354
37	2.5984	0.0349
38	2.6328	0.0345
39	2.6668	0.0340
40	2.7004	0.0336
41	2.7335	0.0331
42	2.7662	0.0327
43	2.7986	0.0323
44	2.8305	0.0320
45	2.8621	0.0316
46	2.8934	0.0312
47	2.9243	0.0309
48	2.9548	0.0306
49	2.9851	0.0302
50	3.0150	0.0299
51	3.0446	0.0296
52	3.0740	0.0293
53	3.1030	0.0291
54	3.1318	0.0288
55	3.1603	0.0285
56	3.1886	0.0283
57	3.2166	0.0280
58	3.2443	0.0277
59	3.2718	0.0275
60	3.2991	0.0273
61	3.3262	0.0270
62	3.3530	0.0268
63	3.3796	0.0266
64	3.4060	0.0264
65	3.4321	0.0262
66	3.4581	0.0260
67	3.4839	0.0258
68	3.5095	0.0256
69	3.5349	0.0254
70	3.5601	0.0252
71	3.5851	0.0250
72	3.6100	0.0249
73	3.6348	0.0248
74	3.6594	0.0246
75	3.6838	0.0244
76	3.7081	0.0243
77	3.7322	0.0241
78	3.7562	0.0240
79	3.7800	0.0238
80	3.8036	0.0237
81	3.8272	0.0235
82	3.8505	0.0234
83	3.8737	0.0232
84	3.8968	0.0231
85	3.9198	0.0229
86	3.9426	0.0228
87	3.9652	0.0227
88	3.9878	0.0225
89	4.0102	0.0224
90	4.0325	0.0223
91	4.0546	0.0222

92	4.0767	0.0220
93	4.0986	0.0219
94	4.1204	0.0218
95	4.1421	0.0217
96	4.1636	0.0216
97	4.1851	0.0215
98	4.2064	0.0213
99	4.2277	0.0212
100	4.2488	0.0211
101	4.2698	0.0210
102	4.2907	0.0209
103	4.3116	0.0208
104	4.3323	0.0207
105	4.3529	0.0206
106	4.3734	0.0205
107	4.3938	0.0204
108	4.4141	0.0203
109	4.4344	0.0202
110	4.4545	0.0201
111	4.4745	0.0200
112	4.4945	0.0199
113	4.5143	0.0199
114	4.5341	0.0198
115	4.5538	0.0197
116	4.5734	0.0196
117	4.5929	0.0195
118	4.6123	0.0194
119	4.6317	0.0193
120	4.6509	0.0193
121	4.6701	0.0192
122	4.6892	0.0191
123	4.7082	0.0190
124	4.7272	0.0189
125	4.7461	0.0189
126	4.7649	0.0188
127	4.7836	0.0187
128	4.8022	0.0186
129	4.8208	0.0186
130	4.8393	0.0185
131	4.8577	0.0184
132	4.8761	0.0184
133	4.8944	0.0183
134	4.9126	0.0182
135	4.9307	0.0181
136	4.9488	0.0181
137	4.9668	0.0180
138	4.9848	0.0179
139	5.0027	0.0179
140	5.0205	0.0178
141	5.0382	0.0178
142	5.0559	0.0177
143	5.0736	0.0176
144	5.0911	0.0176
145	5.1086	0.0175
146	5.1261	0.0174
147	5.1435	0.0174
148	5.1608	0.0173
149	5.1781	0.0173
150	5.1953	0.0172
151	5.2124	0.0172
152	5.2295	0.0171
153	5.2465	0.0170
154	5.2635	0.0170
155	5.2804	0.0169
156	5.2973	0.0169
157	5.3141	0.0168
158	5.3309	0.0168
159	5.3476	0.0167
160	5.3643	0.0167
161	5.3809	0.0166
162	5.3974	0.0166
163	5.4139	0.0165
164	5.4304	0.0164

165	5.4468	0.0164
166	5.4631	0.0163
167	5.4794	0.0163
168	5.4957	0.0162
169	5.5119	0.0162
170	5.5280	0.0162
171	5.5441	0.0161
172	5.5602	0.0161
173	5.5762	0.0160
174	5.5921	0.0160
175	5.6081	0.0159
176	5.6239	0.0159
177	5.6398	0.0158
178	5.6555	0.0158
179	5.6713	0.0157
180	5.6870	0.0157
181	5.7026	0.0156
182	5.7182	0.0156
183	5.7338	0.0156
184	5.7493	0.0155
185	5.7648	0.0155
186	5.7802	0.0154
187	5.7956	0.0154
188	5.8110	0.0154
189	5.8263	0.0153
190	5.8415	0.0153
191	5.8568	0.0152
192	5.8720	0.0152
193	5.8871	0.0151
194	5.9022	0.0151
195	5.9173	0.0151
196	5.9323	0.0150
197	5.9473	0.0150
198	5.9623	0.0150
199	5.9772	0.0149
200	5.9921	0.0149
201	6.0069	0.0148
202	6.0217	0.0148
203	6.0365	0.0148
204	6.0512	0.0147
205	6.0659	0.0147
206	6.0806	0.0147
207	6.0952	0.0146
208	6.1098	0.0146
209	6.1243	0.0146
210	6.1388	0.0145
211	6.1533	0.0145
212	6.1678	0.0144
213	6.1822	0.0144
214	6.1966	0.0144
215	6.2109	0.0143
216	6.2252	0.0143
217	6.2395	0.0143
218	6.2537	0.0142
219	6.2679	0.0142
220	6.2821	0.0142
221	6.2963	0.0141
222	6.3104	0.0141
223	6.3245	0.0141
224	6.3385	0.0141
225	6.3525	0.0140
226	6.3665	0.0140
227	6.3805	0.0140
228	6.3944	0.0139
229	6.4083	0.0139
230	6.4222	0.0139
231	6.4360	0.0138
232	6.4498	0.0138
233	6.4636	0.0138
234	6.4773	0.0137
235	6.4910	0.0137
236	6.5047	0.0137
237	6.5184	0.0137

238	6.5320	0.0136
239	6.5456	0.0136
240	6.5592	0.0136
241	6.5727	0.0135
242	6.5862	0.0135
243	6.5997	0.0135
244	6.6132	0.0135
245	6.6266	0.0134
246	6.6400	0.0134
247	6.6534	0.0134
248	6.6667	0.0133
249	6.6801	0.0133
250	6.6933	0.0133
251	6.7066	0.0133
252	6.7199	0.0132
253	6.7331	0.0132
254	6.7463	0.0132
255	6.7594	0.0132
256	6.7725	0.0131
257	6.7857	0.0131
258	6.7987	0.0131
259	6.8118	0.0131
260	6.8248	0.0130
261	6.8378	0.0130
262	6.8508	0.0130
263	6.8638	0.0130
264	6.8767	0.0129
265	6.8896	0.0129
266	6.9025	0.0129
267	6.9154	0.0129
268	6.9282	0.0128
269	6.9410	0.0128
270	6.9538	0.0128
271	6.9665	0.0128
272	6.9793	0.0127
273	6.9920	0.0127
274	7.0047	0.0127
275	7.0174	0.0127
276	7.0300	0.0126
277	7.0426	0.0126
278	7.0552	0.0126
279	7.0678	0.0126
280	7.0804	0.0126
281	7.0929	0.0125
282	7.1054	0.0125
283	7.1179	0.0125
284	7.1303	0.0125
285	7.1428	0.0124
286	7.1552	0.0124
287	7.1676	0.0124
288	7.1800	0.0124

Unit Period (number)	Unit Rainfall (In)	Unit Soil-Loss (In)	Effective Rainfall (In)
1	0.0124	0.0031	0.0093
2	0.0124	0.0031	0.0093
3	0.0124	0.0031	0.0093
4	0.0125	0.0031	0.0093
5	0.0125	0.0031	0.0094
6	0.0125	0.0031	0.0094
7	0.0126	0.0032	0.0094
8	0.0126	0.0032	0.0094
9	0.0126	0.0032	0.0095
10	0.0127	0.0032	0.0095
11	0.0127	0.0032	0.0095
12	0.0127	0.0032	0.0095
13	0.0128	0.0032	0.0096
14	0.0128	0.0032	0.0096
15	0.0129	0.0032	0.0096
16	0.0129	0.0032	0.0097
17	0.0129	0.0032	0.0097

18	0.0130	0.0032	0.0097
19	0.0130	0.0033	0.0097
20	0.0130	0.0033	0.0098
21	0.0131	0.0033	0.0098
22	0.0131	0.0033	0.0098
23	0.0132	0.0033	0.0099
24	0.0132	0.0033	0.0099
25	0.0132	0.0033	0.0099
26	0.0133	0.0033	0.0099
27	0.0133	0.0033	0.0100
28	0.0133	0.0033	0.0100
29	0.0134	0.0034	0.0100
30	0.0134	0.0034	0.0101
31	0.0135	0.0034	0.0101
32	0.0135	0.0034	0.0101
33	0.0136	0.0034	0.0102
34	0.0136	0.0034	0.0102
35	0.0137	0.0034	0.0102
36	0.0137	0.0034	0.0103
37	0.0137	0.0034	0.0103
38	0.0138	0.0035	0.0103
39	0.0138	0.0035	0.0104
40	0.0139	0.0035	0.0104
41	0.0139	0.0035	0.0104
42	0.0140	0.0035	0.0105
43	0.0140	0.0035	0.0105
44	0.0141	0.0035	0.0105
45	0.0141	0.0035	0.0106
46	0.0141	0.0035	0.0106
47	0.0142	0.0036	0.0106
48	0.0142	0.0036	0.0107
49	0.0143	0.0036	0.0107
50	0.0143	0.0036	0.0107
51	0.0144	0.0036	0.0108
52	0.0144	0.0036	0.0108
53	0.0145	0.0036	0.0109
54	0.0146	0.0036	0.0109
55	0.0146	0.0037	0.0110
56	0.0147	0.0037	0.0110
57	0.0147	0.0037	0.0110
58	0.0148	0.0037	0.0111
59	0.0148	0.0037	0.0111
60	0.0149	0.0037	0.0111
61	0.0150	0.0038	0.0112
62	0.0150	0.0038	0.0112
63	0.0151	0.0038	0.0113
64	0.0151	0.0038	0.0113
65	0.0152	0.0038	0.0114
66	0.0152	0.0038	0.0114
67	0.0153	0.0038	0.0115
68	0.0154	0.0039	0.0115
69	0.0154	0.0039	0.0116
70	0.0155	0.0039	0.0116
71	0.0156	0.0039	0.0117
72	0.0156	0.0039	0.0117
73	0.0157	0.0039	0.0118
74	0.0157	0.0039	0.0118
75	0.0158	0.0040	0.0119
76	0.0159	0.0040	0.0119
77	0.0160	0.0040	0.0120
78	0.0160	0.0040	0.0120
79	0.0161	0.0040	0.0121
80	0.0162	0.0041	0.0121
81	0.0162	0.0041	0.0122
82	0.0163	0.0041	0.0122
83	0.0164	0.0041	0.0123
84	0.0164	0.0041	0.0123
85	0.0166	0.0042	0.0124
86	0.0166	0.0042	0.0124
87	0.0167	0.0042	0.0125
88	0.0168	0.0042	0.0126
89	0.0169	0.0042	0.0126
90	0.0169	0.0042	0.0127

91	0.0170	0.0043	0.0128
92	0.0171	0.0043	0.0128
93	0.0172	0.0043	0.0129
94	0.0173	0.0043	0.0129
95	0.0174	0.0044	0.0130
96	0.0174	0.0044	0.0131
97	0.0176	0.0044	0.0132
98	0.0176	0.0044	0.0132
99	0.0178	0.0045	0.0133
100	0.0178	0.0045	0.0133
101	0.0179	0.0045	0.0134
102	0.0180	0.0045	0.0135
103	0.0181	0.0046	0.0136
104	0.0182	0.0046	0.0136
105	0.0184	0.0046	0.0138
106	0.0184	0.0046	0.0138
107	0.0186	0.0047	0.0139
108	0.0186	0.0047	0.0140
109	0.0188	0.0047	0.0141
110	0.0189	0.0047	0.0141
111	0.0190	0.0048	0.0143
112	0.0191	0.0048	0.0143
113	0.0193	0.0048	0.0144
114	0.0193	0.0049	0.0145
115	0.0195	0.0049	0.0146
116	0.0196	0.0049	0.0147
117	0.0198	0.0050	0.0148
118	0.0199	0.0050	0.0149
119	0.0200	0.0050	0.0150
120	0.0201	0.0050	0.0151
121	0.0203	0.0051	0.0152
122	0.0204	0.0051	0.0153
123	0.0206	0.0052	0.0154
124	0.0207	0.0052	0.0155
125	0.0209	0.0052	0.0157
126	0.0210	0.0053	0.0157
127	0.0212	0.0053	0.0159
128	0.0213	0.0054	0.0160
129	0.0216	0.0054	0.0162
130	0.0217	0.0054	0.0162
131	0.0219	0.0055	0.0164
132	0.0220	0.0055	0.0165
133	0.0223	0.0056	0.0167
134	0.0224	0.0056	0.0168
135	0.0227	0.0057	0.0170
136	0.0228	0.0057	0.0171
137	0.0231	0.0058	0.0173
138	0.0232	0.0058	0.0174
139	0.0235	0.0059	0.0176
140	0.0237	0.0059	0.0177
141	0.0240	0.0060	0.0180
142	0.0241	0.0060	0.0181
143	0.0244	0.0061	0.0183
144	0.0246	0.0062	0.0184
145	0.0249	0.0062	0.0186
146	0.0250	0.0063	0.0188
147	0.0254	0.0064	0.0190
148	0.0256	0.0064	0.0192
149	0.0260	0.0065	0.0195
150	0.0262	0.0066	0.0196
151	0.0266	0.0067	0.0199
152	0.0268	0.0067	0.0201
153	0.0273	0.0068	0.0204
154	0.0275	0.0069	0.0206
155	0.0280	0.0070	0.0210
156	0.0283	0.0071	0.0212
157	0.0288	0.0072	0.0216
158	0.0291	0.0073	0.0218
159	0.0296	0.0074	0.0222
160	0.0299	0.0075	0.0224
161	0.0306	0.0077	0.0229
162	0.0309	0.0077	0.0231
163	0.0316	0.0079	0.0237

164	0.0320	0.0080	0.0239
165	0.0327	0.0082	0.0245
166	0.0331	0.0083	0.0248
167	0.0340	0.0085	0.0255
168	0.0345	0.0086	0.0258
169	0.0354	0.0089	0.0265
170	0.0359	0.0090	0.0269
171	0.0370	0.0093	0.0278
172	0.0376	0.0094	0.0282
173	0.0389	0.0098	0.0291
174	0.0396	0.0099	0.0297
175	0.0411	0.0103	0.0308
176	0.0419	0.0105	0.0314
177	0.0436	0.0109	0.0327
178	0.0446	0.0112	0.0334
179	0.0468	0.0117	0.0350
180	0.0480	0.0120	0.0359
181	0.0507	0.0127	0.0380
182	0.0522	0.0131	0.0391
183	0.0557	0.0140	0.0418
184	0.0578	0.0145	0.0433
185	0.0510	0.0128	0.0382
186	0.0538	0.0135	0.0403
187	0.0611	0.0153	0.0458
188	0.0659	0.0165	0.0494
189	0.0794	0.0199	0.0595
190	0.0896	0.0225	0.0672
191	0.1281	0.0242	0.1039
192	0.1762	0.0242	0.1520
193	0.5514	0.0242	0.5272
194	0.1044	0.0242	0.0802
195	0.0718	0.0180	0.0538
196	0.0572	0.0143	0.0428
197	0.0601	0.0151	0.0450
198	0.0539	0.0135	0.0404
199	0.0493	0.0124	0.0369
200	0.0457	0.0115	0.0342
201	0.0427	0.0107	0.0320
202	0.0403	0.0101	0.0302
203	0.0383	0.0096	0.0287
204	0.0365	0.0091	0.0273
205	0.0349	0.0088	0.0262
206	0.0336	0.0084	0.0251
207	0.0323	0.0081	0.0242
208	0.0312	0.0078	0.0234
209	0.0302	0.0076	0.0227
210	0.0293	0.0074	0.0220
211	0.0285	0.0072	0.0214
212	0.0277	0.0070	0.0208
213	0.0270	0.0068	0.0203
214	0.0264	0.0066	0.0198
215	0.0258	0.0065	0.0193
216	0.0252	0.0063	0.0189
217	0.0248	0.0062	0.0186
218	0.0243	0.0061	0.0182
219	0.0238	0.0060	0.0178
220	0.0234	0.0059	0.0175
221	0.0229	0.0058	0.0172
222	0.0225	0.0057	0.0169
223	0.0222	0.0056	0.0166
224	0.0218	0.0055	0.0163
225	0.0215	0.0054	0.0161
226	0.0211	0.0053	0.0158
227	0.0208	0.0052	0.0156
228	0.0205	0.0051	0.0154
229	0.0202	0.0051	0.0152
230	0.0199	0.0050	0.0149
231	0.0197	0.0049	0.0147
232	0.0194	0.0049	0.0146
233	0.0192	0.0048	0.0144
234	0.0189	0.0048	0.0142
235	0.0187	0.0047	0.0140
236	0.0185	0.0046	0.0139

237	0.0183	0.0046	0.0137
238	0.0181	0.0045	0.0135
239	0.0179	0.0045	0.0134
240	0.0177	0.0044	0.0133
241	0.0175	0.0044	0.0131
242	0.0173	0.0043	0.0130
243	0.0172	0.0043	0.0128
244	0.0170	0.0043	0.0127
245	0.0168	0.0042	0.0126
246	0.0167	0.0042	0.0125
247	0.0165	0.0041	0.0124
248	0.0163	0.0041	0.0122
249	0.0162	0.0041	0.0121
250	0.0161	0.0040	0.0120
251	0.0159	0.0040	0.0119
252	0.0158	0.0040	0.0118
253	0.0156	0.0039	0.0117
254	0.0155	0.0039	0.0116
255	0.0154	0.0039	0.0115
256	0.0153	0.0038	0.0114
257	0.0151	0.0038	0.0113
258	0.0150	0.0038	0.0113
259	0.0149	0.0037	0.0112
260	0.0148	0.0037	0.0111
261	0.0147	0.0037	0.0110
262	0.0146	0.0037	0.0109
263	0.0145	0.0036	0.0108
264	0.0144	0.0036	0.0108
265	0.0143	0.0036	0.0107
266	0.0142	0.0036	0.0106
267	0.0141	0.0035	0.0106
268	0.0140	0.0035	0.0105
269	0.0139	0.0035	0.0104
270	0.0138	0.0035	0.0103
271	0.0137	0.0034	0.0103
272	0.0136	0.0034	0.0102
273	0.0135	0.0034	0.0101
274	0.0135	0.0034	0.0101
275	0.0134	0.0034	0.0100
276	0.0133	0.0033	0.0100
277	0.0132	0.0033	0.0099
278	0.0131	0.0033	0.0098
279	0.0131	0.0033	0.0098
280	0.0130	0.0033	0.0097
281	0.0129	0.0032	0.0097
282	0.0128	0.0032	0.0096
283	0.0128	0.0032	0.0096
284	0.0127	0.0032	0.0095
285	0.0126	0.0032	0.0095
286	0.0126	0.0031	0.0094
287	0.0125	0.0031	0.0094
288	0.0124	0.0031	0.0093

Total soil rain loss = 1.66(In)
Total effective rainfall = 5.52(In)
Peak flow rate in flood hydrograph = 5.05(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0001	0.01	Q	|	|	|	|
0+10	0.0004	0.05	Q	|	|	|	|
0+15	0.0012	0.11	Q	|	|	|	|
0+20	0.0022	0.15	Q	|	|	|	|
0+25	0.0034	0.17	Q	|	|	|	|
0+30	0.0047	0.19	Q	|	|	|	|

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0+35      0.0060     0.20  Q         |         |         |         |
0+40      0.0074     0.20  Q         |         |         |         |
0+45      0.0088     0.21  Q         |         |         |         |
0+50      0.0103     0.21  Q         |         |         |         |
0+55      0.0118     0.22  Q         |         |         |         |
1+ 0      0.0133     0.22  Q         |         |         |         |
1+ 5      0.0149     0.23  Q         |         |         |         |
1+10      0.0165     0.23  Q         |         |         |         |
1+15      0.0181     0.23  Q         |         |         |         |
1+20      0.0197     0.23  Q         |         |         |         |
1+25      0.0213     0.23  Q         |         |         |         |
1+30      0.0229     0.24  Q         |         |         |         |
1+35      0.0246     0.24  QV        |         |         |         |
1+40      0.0262     0.24  QV        |         |         |         |
1+45      0.0279     0.24  QV        |         |         |         |
1+50      0.0295     0.24  QV        |         |         |         |
1+55      0.0312     0.24  QV        |         |         |         |
2+ 0      0.0329     0.24  QV        |         |         |         |
2+ 5      0.0346     0.24  QV        |         |         |         |
2+10      0.0362     0.24  QV        |         |         |         |
2+15      0.0379     0.25  QV        |         |         |         |
2+20      0.0396     0.25  QV        |         |         |         |
2+25      0.0413     0.25  QV        |         |         |         |
2+30      0.0430     0.25  QV        |         |         |         |
2+35      0.0447     0.25  QV        |         |         |         |
2+40      0.0464     0.25  QV        |         |         |         |
2+45      0.0482     0.25  Q V       |         |         |         |
2+50      0.0499     0.25  |QV       |         |         |         |
2+55      0.0516     0.25  |QV       |         |         |         |
3+ 0      0.0533     0.25  |QV       |         |         |         |
3+ 5      0.0551     0.25  |QV       |         |         |         |
3+10      0.0568     0.25  |QV       |         |         |         |
3+15      0.0586     0.25  |QV       |         |         |         |
3+20      0.0603     0.26  |QV       |         |         |         |
3+25      0.0621     0.26  |QV       |         |         |         |
3+30      0.0639     0.26  |QV       |         |         |         |
3+35      0.0657     0.26  |QV       |         |         |         |
3+40      0.0674     0.26  |QV       |         |         |         |
3+45      0.0692     0.26  |QV       |         |         |         |
3+50      0.0710     0.26  |Q V      |         |         |         |
3+55      0.0728     0.26  |Q V      |         |         |         |
4+ 0      0.0746     0.26  |Q V      |         |         |         |
4+ 5      0.0764     0.26  |Q V      |         |         |         |
4+10      0.0782     0.26  |Q V      |         |         |         |
4+15      0.0801     0.26  |Q V      |         |         |         |
4+20      0.0819     0.27  |Q V      |         |         |         |
4+25      0.0837     0.27  |Q V      |         |         |         |
4+30      0.0856     0.27  |Q V      |         |         |         |
4+35      0.0874     0.27  |Q V      |         |         |         |
4+40      0.0893     0.27  |Q V      |         |         |         |
4+45      0.0911     0.27  |Q V      |         |         |         |
4+50      0.0930     0.27  |Q V      |         |         |         |
4+55      0.0949     0.27  |Q  V     |         |         |         |
5+ 0      0.0968     0.27  |Q  V     |         |         |         |
5+ 5      0.0987     0.27  |Q  V     |         |         |         |
5+10      0.1006     0.28  |Q  V     |         |         |         |
5+15      0.1025     0.28  |Q  V     |         |         |         |
5+20      0.1044     0.28  |Q  V     |         |         |         |
5+25      0.1063     0.28  |Q  V     |         |         |         |
5+30      0.1082     0.28  |Q  V     |         |         |         |
5+35      0.1101     0.28  |Q  V     |         |         |         |
5+40      0.1121     0.28  |Q  V     |         |         |         |
5+45      0.1140     0.28  |Q  V     |         |         |         |
5+50      0.1160     0.28  |Q  V     |         |         |         |
5+55      0.1180     0.29  |Q  V     |         |         |         |
6+ 0      0.1199     0.29  |Q   V    |         |         |         |
6+ 5      0.1219     0.29  |Q   V    |         |         |         |
6+10      0.1239     0.29  |Q   V    |         |         |         |
6+15      0.1259     0.29  |Q   V    |         |         |         |
6+20      0.1279     0.29  |Q   V    |         |         |         |
6+25      0.1299     0.29  |Q   V    |         |         |         |
6+30      0.1319     0.29  |Q   V    |         |         |         |
6+35      0.1340     0.29  |Q   V    |         |         |         |
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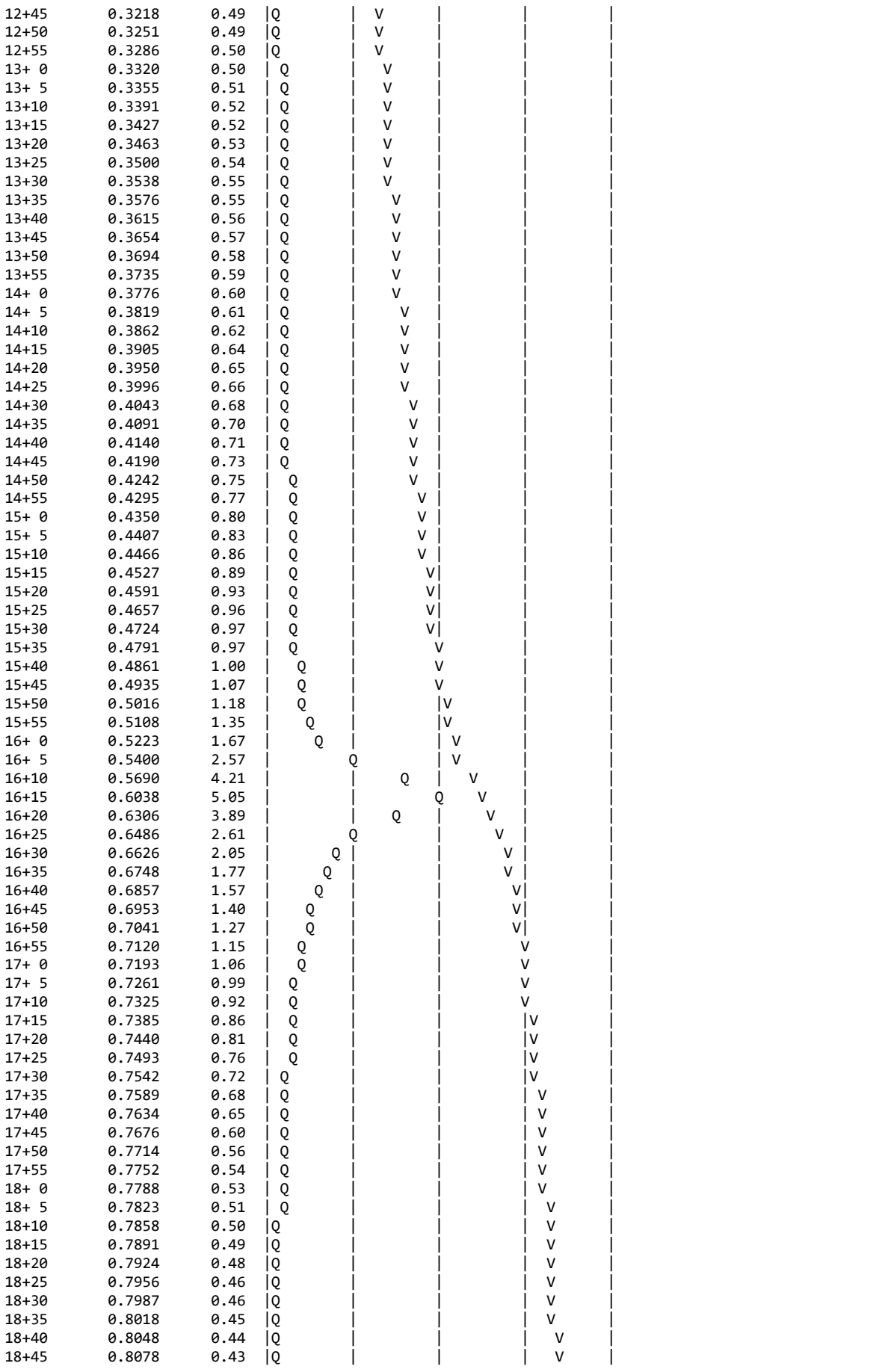
 6+40       0.1360      0.30  |Q   V    |          |          |          |
 6+45       0.1381      0.30  |Q   V    |          |          |          |
 6+50       0.1401      0.30  |Q   V    |          |          |          |
 6+55       0.1422      0.30  |Q    V   |          |          |          |
 7+ 0       0.1442      0.30  |Q    V   |          |          |          |
 7+ 5       0.1463      0.30  |Q    V   |          |          |          |
 7+10       0.1484      0.30  |Q    V   |          |          |          |
 7+15       0.1505      0.31  |Q    V   |          |          |          |
 7+20       0.1526      0.31  |Q    V   |          |          |          |
 7+25       0.1548      0.31  |Q    V   |          |          |          |
 7+30       0.1569      0.31  |Q    V   |          |          |          |
 7+35       0.1590      0.31  |Q    V   |          |          |          |
 7+40       0.1612      0.31  |Q    V   |          |          |          |
 7+45       0.1634      0.31  |Q    V   |          |          |          |
 7+50       0.1655      0.32  |Q     V  |          |          |          |
 7+55       0.1677      0.32  |Q     V  |          |          |          |
 8+ 0       0.1699      0.32  |Q     V  |          |          |          |
 8+ 5       0.1721      0.32  |Q     V  |          |          |          |
 8+10       0.1744      0.32  |Q     V  |          |          |          |
 8+15       0.1766      0.32  |Q     V  |          |          |          |
 8+20       0.1788      0.33  |Q     V  |          |          |          |
 8+25       0.1811      0.33  |Q     V  |          |          |          |
 8+30       0.1833      0.33  |Q     V  |          |          |          |
 8+35       0.1856      0.33  |Q     V  |          |          |          |
 8+40       0.1879      0.33  |Q     V  |          |          |          |
 8+45       0.1902      0.33  |Q      V |          |          |          |
 8+50       0.1925      0.34  |Q      V |          |          |          |
 8+55       0.1949      0.34  |Q      V |          |          |          |
 9+ 0       0.1972      0.34  |Q      V |          |          |          |
 9+ 5       0.1996      0.34  |Q      V |          |          |          |
 9+10       0.2019      0.34  |Q      V |          |          |          |
 9+15       0.2043      0.35  |Q      V |          |          |          |
 9+20       0.2067      0.35  |Q      V |          |          |          |
 9+25       0.2091      0.35  |Q      V |          |          |          |
 9+30       0.2115      0.35  |Q      V |          |          |          |
 9+35       0.2140      0.35  |Q       V|          |          |          |
 9+40       0.2164      0.36  |Q       V|          |          |          |
 9+45       0.2189      0.36  |Q       V|          |          |          |
 9+50       0.2214      0.36  |Q       V|          |          |          |
 9+55       0.2239      0.36  |Q       V|          |          |          |
10+ 0       0.2264      0.37  |Q       V|          |          |          |
10+ 5       0.2290      0.37  |Q       V|          |          |          |
10+10       0.2315      0.37  |Q       V|          |          |          |
10+15       0.2341      0.37  |Q       V|          |          |          |
10+20       0.2367      0.38  |Q        V          |          |          |
10+25       0.2393      0.38  |Q        V          |          |          |
10+30       0.2419      0.38  |Q        V          |          |          |
10+35       0.2446      0.38  |Q        V          |          |          |
10+40       0.2472      0.39  |Q        V          |          |          |
10+45       0.2499      0.39  |Q        V          |          |          |
10+50       0.2526      0.39  |Q        V          |          |          |
10+55       0.2554      0.40  |Q        V          |          |          |
11+ 0       0.2581      0.40  |Q        V          |          |          |
11+ 5       0.2609      0.40  |Q        |V         |          |          |
11+10       0.2637      0.41  |Q        |V         |          |          |
11+15       0.2665      0.41  |Q        |V         |          |          |
11+20       0.2693      0.41  |Q        |V         |          |          |
11+25       0.2722      0.42  |Q        |V         |          |          |
11+30       0.2751      0.42  |Q        |V         |          |          |
11+35       0.2780      0.42  |Q        |V         |          |          |
11+40       0.2809      0.43  |Q        |V         |          |          |
11+45       0.2839      0.43  |Q        | V        |          |          |
11+50       0.2869      0.43  |Q        | V        |          |          |
11+55       0.2899      0.44  |Q        | V        |          |          |
12+ 0       0.2929      0.44  |Q        | V        |          |          |
12+ 5       0.2960      0.45  |Q        | V        |          |          |
12+10       0.2991      0.45  |Q        | V        |          |          |
12+15       0.3023      0.46  |Q        | V        |          |          |
12+20       0.3054      0.46  |Q        | V        |          |          |
12+25       0.3086      0.46  |Q        |  V       |          |          |
12+30       0.3118      0.47  |Q        |  V       |          |          |
12+35       0.3151      0.47  |Q        |  V       |          |          |
12+40       0.3184      0.48  |Q        |  V       |          |          |
```



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18+50       0.8107      0.42  |Q        |         |         |   V     |
18+55       0.8135      0.41  |Q        |         |         |   V     |
19+ 0       0.8163      0.41  |Q        |         |         |   V     |
19+ 5       0.8191      0.40  |Q        |         |         |   V     |
19+10       0.8218      0.39  |Q        |         |         |   V     |
19+15       0.8245      0.39  |Q        |         |         |   V     |
19+20       0.8271      0.38  |Q        |         |         |   V     |
19+25       0.8297      0.38  |Q        |         |         |    V    |
19+30       0.8323      0.37  |Q        |         |         |    V    |
19+35       0.8348      0.37  |Q        |         |         |    V    |
19+40       0.8373      0.36  |Q        |         |         |    V    |
19+45       0.8398      0.36  |Q        |         |         |    V    |
19+50       0.8422      0.35  |Q        |         |         |    V    |
19+55       0.8446      0.35  |Q        |         |         |    V    |
20+ 0       0.8470      0.34  |Q        |         |         |    V    |
20+ 5       0.8493      0.34  |Q        |         |         |    V    |
20+10       0.8517      0.34  |Q        |         |         |     V   |
20+15       0.8540      0.33  |Q        |         |         |     V   |
20+20       0.8562      0.33  |Q        |         |         |     V   |
20+25       0.8585      0.33  |Q        |         |         |     V   |
20+30       0.8607      0.32  |Q        |         |         |     V   |
20+35       0.8629      0.32  |Q        |         |         |     V   |
20+40       0.8651      0.32  |Q        |         |         |     V   |
20+45       0.8672      0.31  |Q        |         |         |     V   |
20+50       0.8694      0.31  |Q        |         |         |     V   |
20+55       0.8715      0.31  |Q        |         |         |     V   |
21+ 0       0.8736      0.30  |Q        |         |         |     V   |
21+ 5       0.8757      0.30  |Q        |         |         |      V  |
21+10       0.8777      0.30  |Q        |         |         |      V  |
21+15       0.8798      0.30  |Q        |         |         |      V  |
21+20       0.8818      0.29  |Q        |         |         |      V  |
21+25       0.8838      0.29  |Q        |         |         |      V  |
21+30       0.8858      0.29  |Q        |         |         |      V  |
21+35       0.8878      0.29  |Q        |         |         |      V  |
21+40       0.8897      0.28  |Q        |         |         |      V  |
21+45       0.8917      0.28  |Q        |         |         |      V  |
21+50       0.8936      0.28  |Q        |         |         |      V  |
21+55       0.8955      0.28  |Q        |         |         |      V  |
22+ 0       0.8974      0.28  |Q        |         |         |      V  |
22+ 5       0.8993      0.27  |Q        |         |         |       V |
22+10       0.9012      0.27  |Q        |         |         |       V |
22+15       0.9030      0.27  |Q        |         |         |       V |
22+20       0.9049      0.27  |Q        |         |         |       V |
22+25       0.9067      0.27  |Q        |         |         |       V |
22+30       0.9085      0.26  |Q        |         |         |       V |
22+35       0.9103      0.26  |Q        |         |         |       V |
22+40       0.9121      0.26  |Q        |         |         |       V |
22+45       0.9139      0.26  |Q        |         |         |       V |
22+50       0.9157      0.26  |Q        |         |         |       V |
22+55       0.9174      0.26  |Q        |         |         |       V |
23+ 0       0.9192      0.25  |Q        |         |         |       V |
23+ 5       0.9209      0.25  |Q        |         |         |       V |
23+10       0.9226      0.25  |Q        |         |         |        V|
23+15       0.9243      0.25  Q        |         |         |        V|
23+20       0.9260      0.25  Q        |         |         |        V|
23+25       0.9277      0.25  Q        |         |         |        V|
23+30       0.9294      0.24  Q        |         |         |        V|
23+35       0.9311      0.24  Q        |         |         |        V|
23+40       0.9328      0.24  Q        |         |         |        V|
23+45       0.9344      0.24  Q        |         |         |        V|
23+50       0.9361      0.24  Q        |         |         |        V|
23+55       0.9377      0.24  Q        |         |         |        V|
24+ 0       0.9393      0.24  Q        |         |         |        V|
24+ 5       0.9409      0.23  Q        |         |         |        V|
24+10       0.9422      0.18  Q        |         |         |        V|
24+15       0.9430      0.12  Q        |         |         |        V|
24+20       0.9436      0.08  Q        |         |         |        V|
24+25       0.9440      0.06  Q        |         |         |        V|
24+30       0.9443      0.05  Q        |         |         |        V|
24+35       0.9446      0.04  Q        |         |         |        V|
24+40       0.9448      0.03  Q        |         |         |        V|
24+45       0.9450      0.02  Q        |         |         |        V|
24+50       0.9451      0.02  Q        |         |         |        V|
```

24+55	0.9452	0.02	Q	|	|	|	V|
25+ 0	0.9453	0.01	Q	|	|	|	V|
25+ 5	0.9454	0.01	Q	|	|	|	V|
25+10	0.9454	0.01	Q	|	|	|	V|
25+15	0.9455	0.01	Q	|	|	|	V|
25+20	0.9455	0.00	Q	|	|	|	V|
25+25	0.9455	0.00	Q	|	|	|	V|
25+30	0.9455	0.00	Q	|	|	|	V|
25+35	0.9455	0.00	Q	|	|	|	V|
25+40	0.9455	0.00	Q	|	|	|	V|

U n i t H y d r o g r a p h A n a l y s i s

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Study date 08/02/23

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San Bernardino County Synthetic Unit Hydrology Method
Manual date - August 1986

Program License Serial Number 6481

Post-Development Condition
Unit Hydrograph Method
Drainage Management Area A2
100-Year, 24-Hour Storm

Storm Event Year = 100

Antecedent Moisture Condition = 3

English (in-lb) Input Units Used

English Rainfall Data (Inches) Input Values Used

English Units used in output format

Area averaged rainfall intensity isohyetal data:

Sub-Area (Ac.)	Duration (hours)	Isohyetal (In)
Rainfall data for year 100		
15.00	1	1.49
Rainfall data for year 100		
15.00	6	3.61
Rainfall data for year 100		
15.00	24	7.18

++

******** Area-averaged max loss rate, Fm ********

SCS curve No.(AMCII)	SCS curve NO.(AMC 3)	Area (Ac.)	Area Fraction	Fp(Fig C6) (In/Hr)	Ap (dec.)	Fm (In/Hr)
32.0	52.0	15.00	1.000	0.785	0.400	0.314

Area-averaged adjusted loss rate Fm (In/Hr) = 0.314

********* Area-Averaged low loss rate fraction, Yb **********

Area (Ac.)	Area Fract	SCS CN (AMC2)	SCS CN (AMC3)	S	Pervious Yield Fr
6.00	0.400	32.0	52.0	9.23	0.272
9.00	0.600	98.0	98.0	0.20	0.967

Area-averaged catchment yield fraction, Y = 0.689
Area-averaged low loss fraction, Yb = 0.311
User entry of time of concentration = 0.191 (hours)

++

Watershed area = 15.00(Ac.)
Catchment Lag time = 0.153 hours

Unit interval =   5.000 minutes
Unit interval percentage of lag time = 54.5375
Hydrograph baseflow =   0.00(CFS)
Average maximum watershed loss rate(Fm) = 0.314(In/Hr)
Average low loss rate fraction (Yb) = 0.311 (decimal)
VALLEY DEVELOPED S-Graph Selected
Computed peak 5-minute rainfall = 0.551(In)
Computed peak 30-minute rainfall = 1.129(In)
Specified peak 1-hour rainfall = 1.490(In)
Computed peak 3-hour rainfall = 2.563(In)
Specified peak 6-hour rainfall = 3.610(In)
Specified peak 24-hour rainfall = 7.180(In)

Rainfall depth area reduction factors:
Using a total area of   15.00(Ac.) (Ref: fig. E-4)

5-minute factor = 0.999   Adjusted rainfall = 0.551(In)
30-minute factor = 0.999   Adjusted rainfall = 1.128(In)
1-hour factor = 0.999   Adjusted rainfall = 1.489(In)
3-hour factor = 1.000   Adjusted rainfall = 2.563(In)
6-hour factor = 1.000   Adjusted rainfall = 3.610(In)
24-hour factor = 1.000   Adjusted rainfall = 7.180(In)

U n i t H y d r o g r a p h

Interval Number	'S' Graph Mean values	Unit Hydrograph ((CFS))
	(K = 181.41 (CFS))	
1	5.414	9.820
2	34.999	53.670
3	75.540	73.544
4	92.976	31.630
5	98.032	9.172
6	99.199	2.117
7	100.000	1.453

Peak Unit Number	Adjusted mass rainfall (In)	Unit rainfall (In)
1	0.5511	0.5511
2	0.7271	0.1761
3	0.8552	0.1280
4	0.9595	0.1043
5	1.0491	0.0896
6	1.1284	0.0794
7	1.2002	0.0718
8	1.2660	0.0658
9	1.3271	0.0611
10	1.3842	0.0571
11	1.4380	0.0538
12	1.4890	0.0509
13	1.5491	0.0601
14	1.6069	0.0578
15	1.6626	0.0558
16	1.7166	0.0539
17	1.7688	0.0522
18	1.8195	0.0507
19	1.8688	0.0493
20	1.9168	0.0480
21	1.9636	0.0468
22	2.0093	0.0457
23	2.0539	0.0447
24	2.0976	0.0437
25	2.1404	0.0428
26	2.1823	0.0419
27	2.2234	0.0411
28	2.2637	0.0403
29	2.3034	0.0396
30	2.3423	0.0389
31	2.3806	0.0383

32	2.4182	0.0377
33	2.4553	0.0371
34	2.4918	0.0365
35	2.5278	0.0360
36	2.5633	0.0355
37	2.5982	0.0349
38	2.6326	0.0345
39	2.6666	0.0340
40	2.7002	0.0336
41	2.7333	0.0331
42	2.7661	0.0327
43	2.7984	0.0323
44	2.8304	0.0320
45	2.8619	0.0316
46	2.8932	0.0312
47	2.9241	0.0309
48	2.9547	0.0306
49	2.9849	0.0302
50	3.0148	0.0299
51	3.0445	0.0296
52	3.0738	0.0293
53	3.1029	0.0291
54	3.1317	0.0288
55	3.1602	0.0285
56	3.1884	0.0283
57	3.2164	0.0280
58	3.2442	0.0278
59	3.2717	0.0275
60	3.2989	0.0273
61	3.3260	0.0270
62	3.3528	0.0268
63	3.3794	0.0266
64	3.4058	0.0264
65	3.4320	0.0262
66	3.4580	0.0260
67	3.4838	0.0258
68	3.5093	0.0256
69	3.5347	0.0254
70	3.5599	0.0252
71	3.5850	0.0250
72	3.6098	0.0249
73	3.6346	0.0248
74	3.6592	0.0246
75	3.6837	0.0244
76	3.7079	0.0243
77	3.7321	0.0241
78	3.7560	0.0240
79	3.7798	0.0238
80	3.8035	0.0237
81	3.8270	0.0235
82	3.8504	0.0234
83	3.8736	0.0232
84	3.8967	0.0231
85	3.9196	0.0229
86	3.9424	0.0228
87	3.9651	0.0227
88	3.9876	0.0225
89	4.0100	0.0224
90	4.0323	0.0223
91	4.0545	0.0222
92	4.0765	0.0220
93	4.0984	0.0219
94	4.1202	0.0218
95	4.1419	0.0217
96	4.1635	0.0216
97	4.1850	0.0215
98	4.2063	0.0213
99	4.2275	0.0212
100	4.2487	0.0211
101	4.2697	0.0210
102	4.2906	0.0209
103	4.3114	0.0208
104	4.3321	0.0207

105	4.3527	0.0206
106	4.3732	0.0205
107	4.3937	0.0204
108	4.4140	0.0203
109	4.4342	0.0202
110	4.4543	0.0201
111	4.4744	0.0200
112	4.4943	0.0199
113	4.5142	0.0199
114	4.5340	0.0198
115	4.5536	0.0197
116	4.5732	0.0196
117	4.5928	0.0195
118	4.6122	0.0194
119	4.6315	0.0193
120	4.6508	0.0193
121	4.6700	0.0192
122	4.6891	0.0191
123	4.7081	0.0190
124	4.7270	0.0189
125	4.7459	0.0189
126	4.7647	0.0188
127	4.7834	0.0187
128	4.8021	0.0186
129	4.8207	0.0186
130	4.8392	0.0185
131	4.8576	0.0184
132	4.8759	0.0184
133	4.8942	0.0183
134	4.9124	0.0182
135	4.9306	0.0181
136	4.9487	0.0181
137	4.9667	0.0180
138	4.9846	0.0179
139	5.0025	0.0179
140	5.0203	0.0178
141	5.0381	0.0178
142	5.0558	0.0177
143	5.0734	0.0176
144	5.0910	0.0176
145	5.1085	0.0175
146	5.1259	0.0174
147	5.1433	0.0174
148	5.1606	0.0173
149	5.1779	0.0173
150	5.1951	0.0172
151	5.2123	0.0172
152	5.2294	0.0171
153	5.2464	0.0170
154	5.2634	0.0170
155	5.2803	0.0169
156	5.2972	0.0169
157	5.3140	0.0168
158	5.3307	0.0168
159	5.3475	0.0167
160	5.3641	0.0167
161	5.3807	0.0166
162	5.3973	0.0166
163	5.4138	0.0165
164	5.4302	0.0164
165	5.4466	0.0164
166	5.4630	0.0163
167	5.4793	0.0163
168	5.4955	0.0162
169	5.5117	0.0162
170	5.5279	0.0162
171	5.5440	0.0161
172	5.5600	0.0161
173	5.5760	0.0160
174	5.5920	0.0160
175	5.6079	0.0159
176	5.6238	0.0159
177	5.6396	0.0158

178	5.6554	0.0158
179	5.6711	0.0157
180	5.6868	0.0157
181	5.7025	0.0156
182	5.7181	0.0156
183	5.7336	0.0156
184	5.7492	0.0155
185	5.7646	0.0155
186	5.7801	0.0154
187	5.7955	0.0154
188	5.8108	0.0154
189	5.8261	0.0153
190	5.8414	0.0153
191	5.8566	0.0152
192	5.8718	0.0152
193	5.8870	0.0151
194	5.9021	0.0151
195	5.9172	0.0151
196	5.9322	0.0150
197	5.9472	0.0150
198	5.9621	0.0150
199	5.9770	0.0149
200	5.9919	0.0149
201	6.0068	0.0148
202	6.0216	0.0148
203	6.0363	0.0148
204	6.0511	0.0147
205	6.0658	0.0147
206	6.0804	0.0147
207	6.0950	0.0146
208	6.1096	0.0146
209	6.1242	0.0146
210	6.1387	0.0145
211	6.1532	0.0145
212	6.1676	0.0144
213	6.1820	0.0144
214	6.1964	0.0144
215	6.2108	0.0143
216	6.2251	0.0143
217	6.2394	0.0143
218	6.2536	0.0142
219	6.2678	0.0142
220	6.2820	0.0142
221	6.2961	0.0141
222	6.3103	0.0141
223	6.3243	0.0141
224	6.3384	0.0141
225	6.3524	0.0140
226	6.3664	0.0140
227	6.3804	0.0140
228	6.3943	0.0139
229	6.4082	0.0139
230	6.4220	0.0139
231	6.4359	0.0138
232	6.4497	0.0138
233	6.4635	0.0138
234	6.4772	0.0137
235	6.4909	0.0137
236	6.5046	0.0137
237	6.5183	0.0137
238	6.5319	0.0136
239	6.5455	0.0136
240	6.5591	0.0136
241	6.5726	0.0135
242	6.5861	0.0135
243	6.5996	0.0135
244	6.6131	0.0135
245	6.6265	0.0134
246	6.6399	0.0134
247	6.6533	0.0134
248	6.6666	0.0133
249	6.6799	0.0133
250	6.6932	0.0133

251	6.7065	0.0133
252	6.7197	0.0132
253	6.7329	0.0132
254	6.7461	0.0132
255	6.7593	0.0132
256	6.7724	0.0131
257	6.7855	0.0131
258	6.7986	0.0131
259	6.8117	0.0131
260	6.8247	0.0130
261	6.8377	0.0130
262	6.8507	0.0130
263	6.8637	0.0130
264	6.8766	0.0129
265	6.8895	0.0129
266	6.9024	0.0129
267	6.9152	0.0129
268	6.9281	0.0128
269	6.9409	0.0128
270	6.9537	0.0128
271	6.9664	0.0128
272	6.9792	0.0127
273	6.9919	0.0127
274	7.0046	0.0127
275	7.0172	0.0127
276	7.0299	0.0126
277	7.0425	0.0126
278	7.0551	0.0126
279	7.0677	0.0126
280	7.0802	0.0126
281	7.0928	0.0125
282	7.1053	0.0125
283	7.1178	0.0125
284	7.1302	0.0125
285	7.1427	0.0124
286	7.1551	0.0124
287	7.1675	0.0124
288	7.1799	0.0124

Unit Period (number)	Unit Rainfall (In)	Unit Soil-Loss (In)	Effective Rainfall (In)
1	0.0124	0.0039	0.0085
2	0.0124	0.0039	0.0085
3	0.0124	0.0039	0.0086
4	0.0125	0.0039	0.0086
5	0.0125	0.0039	0.0086
6	0.0125	0.0039	0.0086
7	0.0126	0.0039	0.0087
8	0.0126	0.0039	0.0087
9	0.0126	0.0039	0.0087
10	0.0127	0.0039	0.0087
11	0.0127	0.0040	0.0088
12	0.0127	0.0040	0.0088
13	0.0128	0.0040	0.0088
14	0.0128	0.0040	0.0088
15	0.0129	0.0040	0.0089
16	0.0129	0.0040	0.0089
17	0.0129	0.0040	0.0089
18	0.0130	0.0040	0.0089
19	0.0130	0.0040	0.0090
20	0.0130	0.0041	0.0090
21	0.0131	0.0041	0.0090
22	0.0131	0.0041	0.0090
23	0.0132	0.0041	0.0091
24	0.0132	0.0041	0.0091
25	0.0132	0.0041	0.0091
26	0.0133	0.0041	0.0091
27	0.0133	0.0041	0.0092
28	0.0133	0.0042	0.0092
29	0.0134	0.0042	0.0092
30	0.0134	0.0042	0.0093

31	0.0135	0.0042	0.0093
32	0.0135	0.0042	0.0093
33	0.0136	0.0042	0.0093
34	0.0136	0.0042	0.0094
35	0.0137	0.0042	0.0094
36	0.0137	0.0043	0.0094
37	0.0137	0.0043	0.0095
38	0.0138	0.0043	0.0095
39	0.0138	0.0043	0.0095
40	0.0139	0.0043	0.0096
41	0.0139	0.0043	0.0096
42	0.0140	0.0043	0.0096
43	0.0140	0.0044	0.0097
44	0.0141	0.0044	0.0097
45	0.0141	0.0044	0.0097
46	0.0141	0.0044	0.0097
47	0.0142	0.0044	0.0098
48	0.0142	0.0044	0.0098
49	0.0143	0.0045	0.0099
50	0.0143	0.0045	0.0099
51	0.0144	0.0045	0.0099
52	0.0144	0.0045	0.0100
53	0.0145	0.0045	0.0100
54	0.0146	0.0045	0.0100
55	0.0146	0.0046	0.0101
56	0.0147	0.0046	0.0101
57	0.0147	0.0046	0.0101
58	0.0148	0.0046	0.0102
59	0.0148	0.0046	0.0102
60	0.0149	0.0046	0.0102
61	0.0150	0.0047	0.0103
62	0.0150	0.0047	0.0103
63	0.0151	0.0047	0.0104
64	0.0151	0.0047	0.0104
65	0.0152	0.0047	0.0105
66	0.0152	0.0047	0.0105
67	0.0153	0.0048	0.0105
68	0.0154	0.0048	0.0106
69	0.0154	0.0048	0.0106
70	0.0155	0.0048	0.0107
71	0.0156	0.0048	0.0107
72	0.0156	0.0049	0.0107
73	0.0157	0.0049	0.0108
74	0.0157	0.0049	0.0108
75	0.0158	0.0049	0.0109
76	0.0159	0.0049	0.0109
77	0.0160	0.0050	0.0110
78	0.0160	0.0050	0.0110
79	0.0161	0.0050	0.0111
80	0.0162	0.0050	0.0111
81	0.0162	0.0051	0.0112
82	0.0163	0.0051	0.0112
83	0.0164	0.0051	0.0113
84	0.0164	0.0051	0.0113
85	0.0166	0.0052	0.0114
86	0.0166	0.0052	0.0114
87	0.0167	0.0052	0.0115
88	0.0168	0.0052	0.0115
89	0.0169	0.0052	0.0116
90	0.0169	0.0053	0.0117
91	0.0170	0.0053	0.0117
92	0.0171	0.0053	0.0118
93	0.0172	0.0054	0.0119
94	0.0173	0.0054	0.0119
95	0.0174	0.0054	0.0120
96	0.0174	0.0054	0.0120
97	0.0176	0.0055	0.0121
98	0.0176	0.0055	0.0121
99	0.0178	0.0055	0.0122
100	0.0178	0.0055	0.0123
101	0.0179	0.0056	0.0124
102	0.0180	0.0056	0.0124
103	0.0181	0.0056	0.0125

104	0.0182	0.0057	0.0125
105	0.0184	0.0057	0.0126
106	0.0184	0.0057	0.0127
107	0.0186	0.0058	0.0128
108	0.0186	0.0058	0.0128
109	0.0188	0.0058	0.0129
110	0.0189	0.0059	0.0130
111	0.0190	0.0059	0.0131
112	0.0191	0.0059	0.0132
113	0.0193	0.0060	0.0133
114	0.0193	0.0060	0.0133
115	0.0195	0.0061	0.0134
116	0.0196	0.0061	0.0135
117	0.0198	0.0062	0.0136
118	0.0199	0.0062	0.0137
119	0.0200	0.0062	0.0138
120	0.0201	0.0063	0.0139
121	0.0203	0.0063	0.0140
122	0.0204	0.0064	0.0141
123	0.0206	0.0064	0.0142
124	0.0207	0.0064	0.0143
125	0.0209	0.0065	0.0144
126	0.0210	0.0065	0.0145
127	0.0212	0.0066	0.0146
128	0.0213	0.0066	0.0147
129	0.0216	0.0067	0.0149
130	0.0217	0.0067	0.0149
131	0.0219	0.0068	0.0151
132	0.0220	0.0069	0.0152
133	0.0223	0.0069	0.0154
134	0.0224	0.0070	0.0154
135	0.0227	0.0071	0.0156
136	0.0228	0.0071	0.0157
137	0.0231	0.0072	0.0159
138	0.0232	0.0072	0.0160
139	0.0235	0.0073	0.0162
140	0.0237	0.0074	0.0163
141	0.0240	0.0075	0.0165
142	0.0241	0.0075	0.0166
143	0.0244	0.0076	0.0168
144	0.0246	0.0077	0.0170
145	0.0249	0.0077	0.0171
146	0.0250	0.0078	0.0172
147	0.0254	0.0079	0.0175
148	0.0256	0.0080	0.0176
149	0.0260	0.0081	0.0179
150	0.0262	0.0081	0.0180
151	0.0266	0.0083	0.0183
152	0.0268	0.0083	0.0185
153	0.0273	0.0085	0.0188
154	0.0275	0.0086	0.0189
155	0.0280	0.0087	0.0193
156	0.0283	0.0088	0.0195
157	0.0288	0.0090	0.0198
158	0.0291	0.0090	0.0200
159	0.0296	0.0092	0.0204
160	0.0299	0.0093	0.0206
161	0.0306	0.0095	0.0211
162	0.0309	0.0096	0.0213
163	0.0316	0.0098	0.0218
164	0.0320	0.0099	0.0220
165	0.0327	0.0102	0.0225
166	0.0331	0.0103	0.0228
167	0.0340	0.0106	0.0234
168	0.0345	0.0107	0.0237
169	0.0355	0.0110	0.0244
170	0.0360	0.0112	0.0248
171	0.0371	0.0115	0.0255
172	0.0377	0.0117	0.0259
173	0.0389	0.0121	0.0268
174	0.0396	0.0123	0.0273
175	0.0411	0.0128	0.0283
176	0.0419	0.0130	0.0289

177	0.0437	0.0136	0.0301
178	0.0447	0.0139	0.0308
179	0.0468	0.0146	0.0322
180	0.0480	0.0149	0.0331
181	0.0507	0.0158	0.0349
182	0.0522	0.0163	0.0360
183	0.0558	0.0174	0.0384
184	0.0578	0.0180	0.0398
185	0.0509	0.0158	0.0351
186	0.0538	0.0167	0.0371
187	0.0611	0.0190	0.0421
188	0.0658	0.0205	0.0454
189	0.0794	0.0247	0.0547
190	0.0896	0.0262	0.0634
191	0.1280	0.0262	0.1019
192	0.1761	0.0262	0.1499
193	0.5511	0.0262	0.5249
194	0.1043	0.0262	0.0781
195	0.0718	0.0223	0.0494
196	0.0571	0.0178	0.0393
197	0.0601	0.0187	0.0414
198	0.0539	0.0168	0.0371
199	0.0493	0.0153	0.0340
200	0.0457	0.0142	0.0315
201	0.0428	0.0133	0.0295
202	0.0403	0.0126	0.0278
203	0.0383	0.0119	0.0264
204	0.0365	0.0114	0.0252
205	0.0349	0.0109	0.0241
206	0.0336	0.0104	0.0231
207	0.0323	0.0101	0.0223
208	0.0312	0.0097	0.0215
209	0.0302	0.0094	0.0208
210	0.0293	0.0091	0.0202
211	0.0285	0.0089	0.0196
212	0.0278	0.0086	0.0191
213	0.0270	0.0084	0.0186
214	0.0264	0.0082	0.0182
215	0.0258	0.0080	0.0178
216	0.0252	0.0078	0.0174
217	0.0248	0.0077	0.0171
218	0.0243	0.0076	0.0167
219	0.0238	0.0074	0.0164
220	0.0234	0.0073	0.0161
221	0.0229	0.0071	0.0158
222	0.0225	0.0070	0.0155
223	0.0222	0.0069	0.0153
224	0.0218	0.0068	0.0150
225	0.0215	0.0067	0.0148
226	0.0211	0.0066	0.0146
227	0.0208	0.0065	0.0143
228	0.0205	0.0064	0.0141
229	0.0202	0.0063	0.0139
230	0.0199	0.0062	0.0137
231	0.0197	0.0061	0.0136
232	0.0194	0.0060	0.0134
233	0.0192	0.0060	0.0132
234	0.0189	0.0059	0.0131
235	0.0187	0.0058	0.0129
236	0.0185	0.0058	0.0127
237	0.0183	0.0057	0.0126
238	0.0181	0.0056	0.0125
239	0.0179	0.0056	0.0123
240	0.0177	0.0055	0.0122
241	0.0175	0.0054	0.0121
242	0.0173	0.0054	0.0119
243	0.0172	0.0053	0.0118
244	0.0170	0.0053	0.0117
245	0.0168	0.0052	0.0116
246	0.0167	0.0052	0.0115
247	0.0165	0.0051	0.0114
248	0.0163	0.0051	0.0113
249	0.0162	0.0050	0.0112

250	0.0161	0.0050	0.0111
251	0.0159	0.0050	0.0110
252	0.0158	0.0049	0.0109
253	0.0156	0.0049	0.0108
254	0.0155	0.0048	0.0107
255	0.0154	0.0048	0.0106
256	0.0153	0.0048	0.0105
257	0.0151	0.0047	0.0104
258	0.0150	0.0047	0.0104
259	0.0149	0.0046	0.0103
260	0.0148	0.0046	0.0102
261	0.0147	0.0046	0.0101
262	0.0146	0.0045	0.0100
263	0.0145	0.0045	0.0100
264	0.0144	0.0045	0.0099
265	0.0143	0.0044	0.0098
266	0.0142	0.0044	0.0098
267	0.0141	0.0044	0.0097
268	0.0140	0.0044	0.0096
269	0.0139	0.0043	0.0096
270	0.0138	0.0043	0.0095
271	0.0137	0.0043	0.0094
272	0.0136	0.0042	0.0094
273	0.0135	0.0042	0.0093
274	0.0135	0.0042	0.0093
275	0.0134	0.0042	0.0092
276	0.0133	0.0041	0.0092
277	0.0132	0.0041	0.0091
278	0.0131	0.0041	0.0090
279	0.0131	0.0041	0.0090
280	0.0130	0.0040	0.0089
281	0.0129	0.0040	0.0089
282	0.0128	0.0040	0.0088
283	0.0128	0.0040	0.0088
284	0.0127	0.0039	0.0087
285	0.0126	0.0039	0.0087
286	0.0126	0.0039	0.0086
287	0.0125	0.0039	0.0086
288	0.0124	0.0039	0.0086

Total soil rain loss = 2.04(In)
Total effective rainfall = 5.14(In)
Peak flow rate in flood hydrograph = 49.17(CFS)

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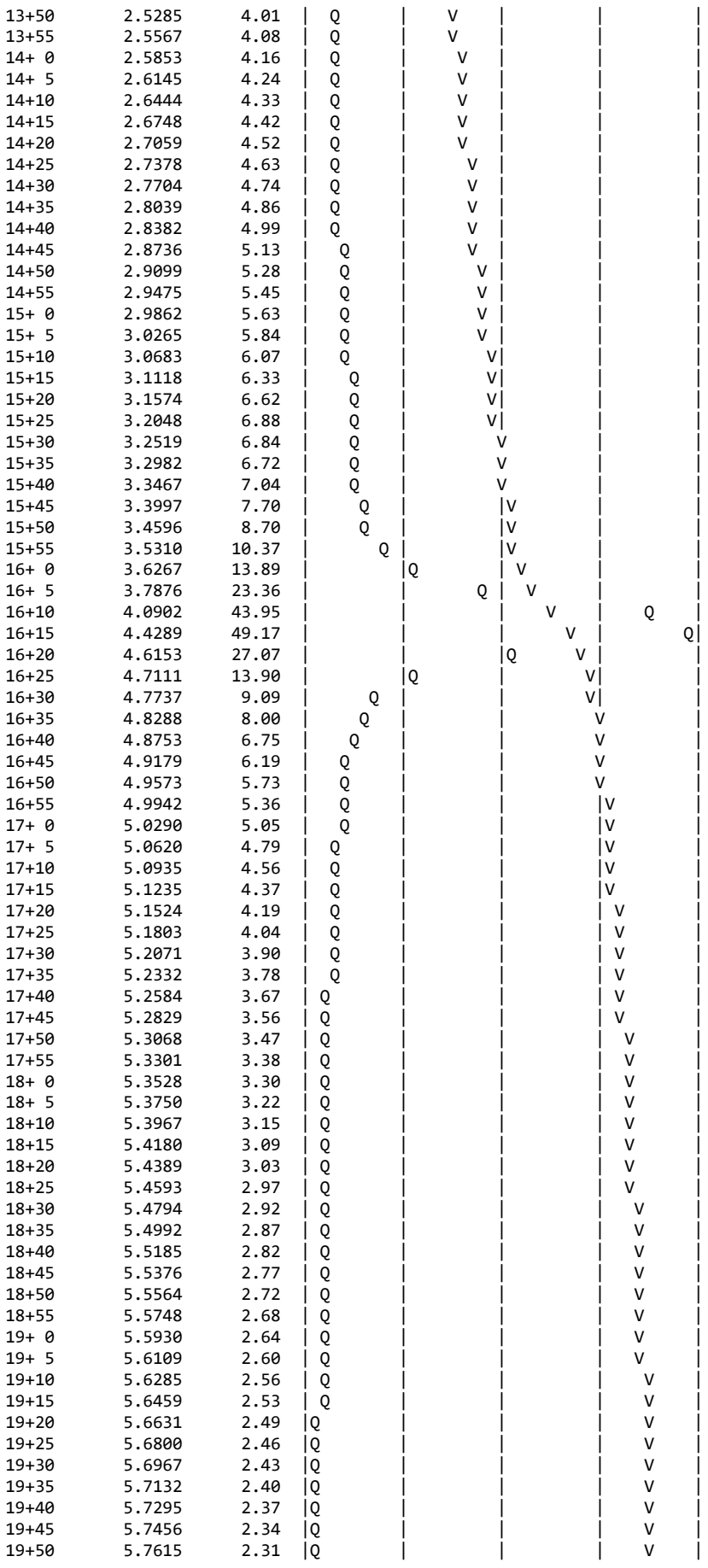
24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	12.5	25.0	37.5	50.0
0+ 5	0.0006	0.08	Q	|	|	|	|
0+10	0.0043	0.54	Q	|	|	|	|
0+15	0.0124	1.17	Q	|	|	|	|
0+20	0.0223	1.44	VQ	|	|	|	|
0+25	0.0328	1.52	VQ	|	|	|	|
0+30	0.0434	1.55	VQ	|	|	|	|
0+35	0.0542	1.56	VQ	|	|	|	|
0+40	0.0650	1.57	VQ	|	|	|	|
0+45	0.0758	1.57	VQ	|	|	|	|
0+50	0.0867	1.58	VQ	|	|	|	|
0+55	0.0975	1.58	VQ	|	|	|	|
1+ 0	0.1084	1.58	VQ	|	|	|	|
1+ 5	0.1194	1.59	VQ	|	|	|	|
1+10	0.1304	1.59	VQ	|	|	|	|
1+15	0.1414	1.60	VQ	|	|	|	|
1+20	0.1524	1.60	VQ	|	|	|	|
1+25	0.1635	1.61	|Q	|	|	|	|
1+30	0.1745	1.61	|Q	|	|	|	|
1+35	0.1857	1.62	|Q	|	|	|	|

1+40	0.1968	1.62	Q				
1+45	0.2080	1.62	Q				
1+50	0.2192	1.63	Q				
1+55	0.2305	1.63	Q				
2+ 0	0.2418	1.64	Q				
2+ 5	0.2531	1.64	Q				
2+10	0.2645	1.65	Q				
2+15	0.2759	1.65	Q				
2+20	0.2873	1.66	Q				
2+25	0.2987	1.66	Q				
2+30	0.3102	1.67	Q				
2+35	0.3218	1.67	QV				
2+40	0.3333	1.68	QV				
2+45	0.3449	1.68	QV				
2+50	0.3566	1.69	QV				
2+55	0.3683	1.70	QV				
3+ 0	0.3800	1.70	QV				
3+ 5	0.3917	1.71	QV				
3+10	0.4035	1.71	QV				
3+15	0.4153	1.72	QV				
3+20	0.4272	1.72	QV				
3+25	0.4391	1.73	QV				
3+30	0.4510	1.73	QV				
3+35	0.4630	1.74	QV				
3+40	0.4750	1.75	QV				
3+45	0.4871	1.75	Q V				
3+50	0.4992	1.76	Q V				
3+55	0.5113	1.76	Q V				
4+ 0	0.5235	1.77	Q V				
4+ 5	0.5357	1.78	Q V				
4+10	0.5480	1.78	Q V				
4+15	0.5603	1.79	Q V				
4+20	0.5727	1.79	Q V				
4+25	0.5851	1.80	Q V				
4+30	0.5975	1.81	Q V				
4+35	0.6100	1.81	Q V				
4+40	0.6226	1.82	Q V				
4+45	0.6351	1.83	Q V				
4+50	0.6478	1.83	Q V				
4+55	0.6604	1.84	Q V				
5+ 0	0.6732	1.85	Q V				
5+ 5	0.6859	1.85	Q V				
5+10	0.6987	1.86	Q V				
5+15	0.7116	1.87	Q V				
5+20	0.7245	1.88	Q V				
5+25	0.7375	1.88	Q V				
5+30	0.7505	1.89	Q V				
5+35	0.7636	1.90	Q V				
5+40	0.7767	1.90	Q V				
5+45	0.7899	1.91	Q V				
5+50	0.8031	1.92	Q V				
5+55	0.8164	1.93	Q V				
6+ 0	0.8297	1.94	Q V				
6+ 5	0.8431	1.94	Q V				
6+10	0.8565	1.95	Q V				
6+15	0.8700	1.96	Q V				
6+20	0.8836	1.97	Q V				
6+25	0.8972	1.98	Q V				
6+30	0.9109	1.99	Q V				
6+35	0.9246	1.99	Q V				
6+40	0.9384	2.00	Q V				
6+45	0.9522	2.01	Q V				
6+50	0.9662	2.02	Q V				
6+55	0.9801	2.03	Q V				
7+ 0	0.9942	2.04	Q V				
7+ 5	1.0083	2.05	Q V				
7+10	1.0225	2.06	Q V				
7+15	1.0367	2.07	Q V				
7+20	1.0510	2.08	Q V				
7+25	1.0654	2.09	Q V				
7+30	1.0798	2.10	Q V				
7+35	1.0943	2.11	Q V				
7+40	1.1089	2.12	Q V				

7+45	1.1236	2.13	Q V	|	|	|
7+50	1.1383	2.14	Q V	|	|	|
7+55	1.1531	2.15	Q V	|	|	|
8+ 0	1.1680	2.16	Q V	|	|	|
8+ 5	1.1829	2.17	Q V	|	|	|
8+10	1.1979	2.18	Q V	|	|	|
8+15	1.2131	2.19	Q V	|	|	|
8+20	1.2282	2.21	Q V	|	|	|
8+25	1.2435	2.22	Q V	|	|	|
8+30	1.2589	2.23	Q V	|	|	|
8+35	1.2743	2.24	Q V	|	|	|
8+40	1.2898	2.25	Q V	|	|	|
8+45	1.3054	2.27	Q V	|	|	|
8+50	1.3211	2.28	Q V	|	|	|
8+55	1.3369	2.29	Q V	|	|	|
9+ 0	1.3528	2.31	Q V	|	|	|
9+ 5	1.3688	2.32	Q V	|	|	|
9+10	1.3849	2.33	Q V	|	|	|
9+15	1.4010	2.35	Q V	|	|	|
9+20	1.4173	2.36	Q V	|	|	|
9+25	1.4337	2.38	Q V	|	|	|
9+30	1.4501	2.39	Q V	|	|	|
9+35	1.4667	2.41	Q V	|	|	|
9+40	1.4834	2.42	Q V	|	|	|
9+45	1.5001	2.44	Q V	|	|	|
9+50	1.5170	2.45	Q V	|	|	|
9+55	1.5340	2.47	Q V	|	|	|
10+ 0	1.5512	2.49	Q V	|	|	|
10+ 5	1.5684	2.50	Q V	|	|	|
10+10	1.5857	2.52	Q V	|	|	|
10+15	1.6032	2.54	Q V	|	|	|
10+20	1.6208	2.56	Q V	|	|	|
10+25	1.6386	2.57	Q V	|	|	|
10+30	1.6564	2.59	Q V	|	|	|
10+35	1.6744	2.61	Q V	|	|	|
10+40	1.6925	2.63	Q V	|	|	|
10+45	1.7108	2.65	Q V	|	|	|
10+50	1.7292	2.67	Q V	|	|	|
10+55	1.7477	2.69	Q V	|	|	|
11+ 0	1.7664	2.71	Q V	|	|	|
11+ 5	1.7853	2.74	Q V	|	|	|
11+10	1.8043	2.76	Q V	|	|	|
11+15	1.8234	2.78	Q V	|	|	|
11+20	1.8428	2.81	Q V	|	|	|
11+25	1.8623	2.83	Q V	|	|	|
11+30	1.8819	2.86	Q V	|	|	|
11+35	1.9018	2.88	Q V	|	|	|
11+40	1.9218	2.91	Q V	|	|	|
11+45	1.9420	2.94	Q V	|	|	|
11+50	1.9624	2.96	Q V	|	|	|
11+55	1.9830	2.99	Q V	|	|	|
12+ 0	2.0038	3.02	Q V	|	|	|
12+ 5	2.0249	3.05	Q V	|	|	|
12+10	2.0461	3.08	Q V	|	|	|
12+15	2.0675	3.11	Q V	|	|	|
12+20	2.0891	3.14	Q V	|	|	|
12+25	2.1109	3.17	Q V	|	|	|
12+30	2.1330	3.21	Q V	|	|	|
12+35	2.1553	3.24	Q V	|	|	|
12+40	2.1779	3.28	Q V	|	|	|
12+45	2.2008	3.32	Q V	|	|	|
12+50	2.2239	3.36	Q V	|	|	|
12+55	2.2474	3.40	Q V	|	|	|
13+ 0	2.2711	3.45	Q V	|	|	|
13+ 5	2.2952	3.49	Q V	|	|	|
13+10	2.3196	3.54	Q V	|	|	|
13+15	2.3443	3.59	Q V	|	|	|
13+20	2.3694	3.64	Q V	|	|	|
13+25	2.3949	3.70	Q V	|	|	|
13+30	2.4208	3.76	Q V	|	|	|
13+35	2.4470	3.82	Q V	|	|	|
13+40	2.4737	3.88	Q V	|	|	|
13+45	2.5009	3.94	Q V	|	|	|



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  19+55       5.7773      2.28  |Q        |         |         |    V    |
  20+ 0       5.7928      2.26  |Q        |         |         |     V   |
  20+ 5       5.8082      2.23  |Q        |         |         |     V   |
  20+10       5.8234      2.21  |Q        |         |         |     V   |
  20+15       5.8385      2.19  |Q        |         |         |     V   |
  20+20       5.8534      2.16  |Q        |         |         |     V   |
  20+25       5.8681      2.14  |Q        |         |         |     V   |
  20+30       5.8827      2.12  |Q        |         |         |     V   |
  20+35       5.8972      2.10  |Q        |         |         |     V   |
  20+40       5.9115      2.08  |Q        |         |         |     V   |
  20+45       5.9257      2.06  |Q        |         |         |     V   |
  20+50       5.9398      2.04  |Q        |         |         |     V   |
  20+55       5.9537      2.02  |Q        |         |         |      V  |
  21+ 0       5.9675      2.01  |Q        |         |         |      V  |
  21+ 5       5.9812      1.99  |Q        |         |         |      V  |
  21+10       5.9948      1.97  |Q        |         |         |      V  |
  21+15       6.0083      1.95  |Q        |         |         |      V  |
  21+20       6.0216      1.94  |Q        |         |         |      V  |
  21+25       6.0349      1.92  |Q        |         |         |      V  |
  21+30       6.0480      1.91  |Q        |         |         |      V  |
  21+35       6.0610      1.89  |Q        |         |         |      V  |
  21+40       6.0740      1.88  |Q        |         |         |      V  |
  21+45       6.0868      1.86  |Q        |         |         |      V  |
  21+50       6.0995      1.85  |Q        |         |         |      V  |
  21+55       6.1122      1.84  |Q        |         |         |       V |
  22+ 0       6.1247      1.82  |Q        |         |         |       V |
  22+ 5       6.1372      1.81  |Q        |         |         |       V |
  22+10       6.1496      1.80  |Q        |         |         |       V |
  22+15       6.1618      1.78  |Q        |         |         |       V |
  22+20       6.1740      1.77  |Q        |         |         |       V |
  22+25       6.1862      1.76  |Q        |         |         |       V |
  22+30       6.1982      1.75  |Q        |         |         |       V |
  22+35       6.2101      1.74  |Q        |         |         |       V |
  22+40       6.2220      1.72  |Q        |         |         |       V |
  22+45       6.2338      1.71  |Q        |         |         |       V |
  22+50       6.2455      1.70  |Q        |         |         |       V |
  22+55       6.2572      1.69  |Q        |         |         |       V |
  23+ 0       6.2688      1.68  |Q        |         |         |        V|
  23+ 5       6.2803      1.67  |Q        |         |         |        V|
  23+10       6.2917      1.66  |Q        |         |         |        V|
  23+15       6.3031      1.65  |Q        |         |         |        V|
  23+20       6.3144      1.64  |Q        |         |         |        V|
  23+25       6.3256      1.63  |Q        |         |         |        V|
  23+30       6.3368      1.62  |Q        |         |         |        V|
  23+35       6.3479      1.61  |Q        |         |         |        V|
  23+40       6.3589      1.60  |Q        |         |         |        V|
  23+45       6.3699      1.59  |Q        |         |         |        V|
  23+50       6.3808      1.59  |Q        |         |         |        V|
  23+55       6.3917      1.58  |Q        |         |         |        V|
  24+ 0       6.4025      1.57  |Q        |         |         |        V|
  24+ 5       6.4127      1.48  |Q        |         |         |        V|
  24+10       6.4196      1.01  Q         |         |         |        V|
  24+15       6.4222      0.38  Q         |         |         |        V|
  24+20       6.4230      0.11  Q         |         |         |        V|
  24+25       6.4232      0.03  Q         |         |         |        V|
  24+30       6.4233      0.01  Q         |         |         |        V|
-------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 08/02/23

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San Bernardino County Synthetic Unit Hydrology Method
Manual date - August 1986

Program License Serial Number 6481

Post-Development Condition
Unit Hydragh Method
Drainag Management Area A3
100-Year, 24-Hour Storm

Storm Event Year = 100

Antecedent Moisture Condition = 3

English (in-lb) Input Units Used

English Rainfall Data (Inches) Input Values Used

English Units used in output format

Area averaged rainfall intensity isohyetal data:

Sub-Area (Ac.)	Duration (hours)	Isohyetal (In)
Rainfall data for year 100		
0.39	1	1.49
Rainfall data for year 100		
0.39	6	3.61
Rainfall data for year 100		
0.39	24	7.18

++

******** Area-averaged max loss rate, Fm ********

SCS curve No.(AMCII)	SCS curve NO.(AMC 3)	Area (Ac.)	Area Fraction	Fp(Fig C6) (In/Hr)	Ap (dec.)	Fm (In/Hr)
67.0	84.6	0.39	1.000	0.290	1.000	0.290

Area-averaged adjusted loss rate Fm (In/Hr) = 0.290

********* Area-Averaged low loss rate fraction, Yb **********

Area (Ac.)	Area Fract	SCS CN (AMC2)	SCS CN (AMC3)	S	Pervious Yield Fr
0.39	1.000	67.0	84.6	1.82	0.749

Area-averaged catchment yield fraction, Y = 0.749
Area-averaged low loss fraction, Yb = 0.251
User entry of time of concentration = 0.265 (hours)

++
Watershed area = 0.39(Ac.)
Catchment Lag time = 0.212 hours
Unit interval = 5.000 minutes

Unit interval percentage of lag time = 39.3082
Hydrograph baseflow = 0.00(CFS)
Average maximum watershed loss rate(Fm) = 0.290(In/Hr)
Average low loss rate fraction (Yb) = 0.251 (decimal)
VALLEY UNDEVELOPED S-Graph Selected
Computed peak 5-minute rainfall = 0.551(In)
Computed peak 30-minute rainfall = 1.129(In)
Specified peak 1-hour rainfall = 1.490(In)
Computed peak 3-hour rainfall = 2.563(In)
Specified peak 6-hour rainfall = 3.610(In)
Specified peak 24-hour rainfall = 7.180(In)

Rainfall depth area reduction factors:
Using a total area of 0.39(Ac.) (Ref: fig. E-4)

5-minute factor = 1.000 Adjusted rainfall = 0.551(In)
30-minute factor = 1.000 Adjusted rainfall = 1.129(In)
1-hour factor = 1.000 Adjusted rainfall = 1.490(In)
3-hour factor = 1.000 Adjusted rainfall = 2.563(In)
6-hour factor = 1.000 Adjusted rainfall = 3.610(In)
24-hour factor = 1.000 Adjusted rainfall = 7.180(In)

U n i t H y d r o g r a p h

Interval Number	'S' Graph Mean values	Unit Hydrograph ((CFS))
	(K = 4.72 (CFS))	
1	4.244	0.200
2	21.589	0.818
3	47.952	1.243
4	65.737	0.839
5	74.463	0.412
6	79.909	0.257
7	83.954	0.191
8	87.094	0.148
9	89.544	0.116
10	91.531	0.094
11	93.100	0.074
12	94.353	0.059
13	95.528	0.055
14	96.475	0.045
15	97.259	0.037
16	97.924	0.031
17	98.463	0.025
18	98.879	0.020
19	99.272	0.019
20	99.665	0.019
21	100.000	0.016

Peak Unit Number	Adjusted mass rainfall (In)	Unit rainfall (In)
1	0.5514	0.5514
2	0.7276	0.1762
3	0.8558	0.1281
4	0.9601	0.1044
5	1.0498	0.0896
6	1.1292	0.0794
7	1.2010	0.0718
8	1.2669	0.0659
9	1.3280	0.0611
10	1.3852	0.0572
11	1.4390	0.0538
12	1.4900	0.0510
13	1.5501	0.0601
14	1.6078	0.0578
15	1.6636	0.0557
16	1.7175	0.0539
17	1.7697	0.0522
18	1.8203	0.0507

19	1.8696	0.0493
20	1.9176	0.0480
21	1.9643	0.0468
22	2.0100	0.0457
23	2.0546	0.0446
24	2.0983	0.0436
25	2.1410	0.0427
26	2.1829	0.0419
27	2.2239	0.0411
28	2.2642	0.0403
29	2.3038	0.0396
30	2.3427	0.0389
31	2.3810	0.0382
32	2.4186	0.0376
33	2.4557	0.0370
34	2.4921	0.0365
35	2.5281	0.0359
36	2.5635	0.0354
37	2.5984	0.0349
38	2.6329	0.0345
39	2.6669	0.0340
40	2.7004	0.0336
41	2.7335	0.0331
42	2.7663	0.0327
43	2.7986	0.0323
44	2.8306	0.0320
45	2.8622	0.0316
46	2.8934	0.0312
47	2.9243	0.0309
48	2.9549	0.0306
49	2.9851	0.0302
50	3.0150	0.0299
51	3.0447	0.0296
52	3.0740	0.0293
53	3.1031	0.0291
54	3.1318	0.0288
55	3.1604	0.0285
56	3.1886	0.0283
57	3.2166	0.0280
58	3.2444	0.0277
59	3.2719	0.0275
60	3.2991	0.0273
61	3.3262	0.0270
62	3.3530	0.0268
63	3.3796	0.0266
64	3.4060	0.0264
65	3.4322	0.0262
66	3.4581	0.0260
67	3.4839	0.0258
68	3.5095	0.0256
69	3.5349	0.0254
70	3.5601	0.0252
71	3.5851	0.0250
72	3.6100	0.0249
73	3.6348	0.0248
74	3.6594	0.0246
75	3.6838	0.0244
76	3.7081	0.0243
77	3.7322	0.0241
78	3.7562	0.0240
79	3.7800	0.0238
80	3.8037	0.0237
81	3.8272	0.0235
82	3.8505	0.0234
83	3.8738	0.0232
84	3.8968	0.0231
85	3.9198	0.0229
86	3.9426	0.0228
87	3.9653	0.0227
88	3.9878	0.0225
89	4.0102	0.0224
90	4.0325	0.0223
91	4.0547	0.0222

92	4.0767	0.0220
93	4.0986	0.0219
94	4.1204	0.0218
95	4.1421	0.0217
96	4.1637	0.0216
97	4.1851	0.0215
98	4.2065	0.0213
99	4.2277	0.0212
100	4.2488	0.0211
101	4.2698	0.0210
102	4.2908	0.0209
103	4.3116	0.0208
104	4.3323	0.0207
105	4.3529	0.0206
106	4.3734	0.0205
107	4.3938	0.0204
108	4.4141	0.0203
109	4.4344	0.0202
110	4.4545	0.0201
111	4.4745	0.0200
112	4.4945	0.0199
113	4.5144	0.0199
114	4.5341	0.0198
115	4.5538	0.0197
116	4.5734	0.0196
117	4.5929	0.0195
118	4.6123	0.0194
119	4.6317	0.0193
120	4.6510	0.0193
121	4.6701	0.0192
122	4.6892	0.0191
123	4.7083	0.0190
124	4.7272	0.0189
125	4.7461	0.0189
126	4.7649	0.0188
127	4.7836	0.0187
128	4.8022	0.0186
129	4.8208	0.0186
130	4.8393	0.0185
131	4.8577	0.0184
132	4.8761	0.0184
133	4.8944	0.0183
134	4.9126	0.0182
135	4.9308	0.0181
136	4.9488	0.0181
137	4.9669	0.0180
138	4.9848	0.0179
139	5.0027	0.0179
140	5.0205	0.0178
141	5.0383	0.0178
142	5.0559	0.0177
143	5.0736	0.0176
144	5.0911	0.0176
145	5.1087	0.0175
146	5.1261	0.0174
147	5.1435	0.0174
148	5.1608	0.0173
149	5.1781	0.0173
150	5.1953	0.0172
151	5.2124	0.0172
152	5.2295	0.0171
153	5.2466	0.0170
154	5.2635	0.0170
155	5.2805	0.0169
156	5.2973	0.0169
157	5.3141	0.0168
158	5.3309	0.0168
159	5.3476	0.0167
160	5.3643	0.0167
161	5.3809	0.0166
162	5.3974	0.0166
163	5.4139	0.0165
164	5.4304	0.0164

165	5.4468	0.0164
166	5.4631	0.0163
167	5.4794	0.0163
168	5.4957	0.0162
169	5.5119	0.0162
170	5.5280	0.0162
171	5.5441	0.0161
172	5.5602	0.0161
173	5.5762	0.0160
174	5.5922	0.0160
175	5.6081	0.0159
176	5.6239	0.0159
177	5.6398	0.0158
178	5.6556	0.0158
179	5.6713	0.0157
180	5.6870	0.0157
181	5.7026	0.0156
182	5.7182	0.0156
183	5.7338	0.0156
184	5.7493	0.0155
185	5.7648	0.0155
186	5.7802	0.0154
187	5.7956	0.0154
188	5.8110	0.0154
189	5.8263	0.0153
190	5.8416	0.0153
191	5.8568	0.0152
192	5.8720	0.0152
193	5.8871	0.0151
194	5.9022	0.0151
195	5.9173	0.0151
196	5.9323	0.0150
197	5.9473	0.0150
198	5.9623	0.0150
199	5.9772	0.0149
200	5.9921	0.0149
201	6.0069	0.0148
202	6.0217	0.0148
203	6.0365	0.0148
204	6.0512	0.0147
205	6.0659	0.0147
206	6.0806	0.0147
207	6.0952	0.0146
208	6.1098	0.0146
209	6.1243	0.0146
210	6.1389	0.0145
211	6.1533	0.0145
212	6.1678	0.0144
213	6.1822	0.0144
214	6.1966	0.0144
215	6.2109	0.0143
216	6.2252	0.0143
217	6.2395	0.0143
218	6.2538	0.0142
219	6.2680	0.0142
220	6.2821	0.0142
221	6.2963	0.0141
222	6.3104	0.0141
223	6.3245	0.0141
224	6.3385	0.0141
225	6.3526	0.0140
226	6.3665	0.0140
227	6.3805	0.0140
228	6.3944	0.0139
229	6.4083	0.0139
230	6.4222	0.0139
231	6.4360	0.0138
232	6.4498	0.0138
233	6.4636	0.0138
234	6.4773	0.0137
235	6.4911	0.0137
236	6.5047	0.0137
237	6.5184	0.0137

238	6.5320	0.0136
239	6.5456	0.0136
240	6.5592	0.0136
241	6.5727	0.0135
242	6.5863	0.0135
243	6.5997	0.0135
244	6.6132	0.0135
245	6.6266	0.0134
246	6.6400	0.0134
247	6.6534	0.0134
248	6.6667	0.0133
249	6.6801	0.0133
250	6.6934	0.0133
251	6.7066	0.0133
252	6.7199	0.0132
253	6.7331	0.0132
254	6.7463	0.0132
255	6.7594	0.0132
256	6.7726	0.0131
257	6.7857	0.0131
258	6.7988	0.0131
259	6.8118	0.0131
260	6.8248	0.0130
261	6.8378	0.0130
262	6.8508	0.0130
263	6.8638	0.0130
264	6.8767	0.0129
265	6.8896	0.0129
266	6.9025	0.0129
267	6.9154	0.0129
268	6.9282	0.0128
269	6.9410	0.0128
270	6.9538	0.0128
271	6.9666	0.0128
272	6.9793	0.0127
273	6.9920	0.0127
274	7.0047	0.0127
275	7.0174	0.0127
276	7.0300	0.0126
277	7.0426	0.0126
278	7.0552	0.0126
279	7.0678	0.0126
280	7.0804	0.0126
281	7.0929	0.0125
282	7.1054	0.0125
283	7.1179	0.0125
284	7.1304	0.0125
285	7.1428	0.0124
286	7.1552	0.0124
287	7.1676	0.0124
288	7.1800	0.0124

Unit Period (number)	Unit Rainfall (In)	Unit Soil-Loss (In)	Effective Rainfall (In)
1	0.0124	0.0031	0.0093
2	0.0124	0.0031	0.0093
3	0.0124	0.0031	0.0093
4	0.0125	0.0031	0.0093
5	0.0125	0.0031	0.0094
6	0.0125	0.0031	0.0094
7	0.0126	0.0032	0.0094
8	0.0126	0.0032	0.0094
9	0.0126	0.0032	0.0095
10	0.0127	0.0032	0.0095
11	0.0127	0.0032	0.0095
12	0.0127	0.0032	0.0095
13	0.0128	0.0032	0.0096
14	0.0128	0.0032	0.0096
15	0.0129	0.0032	0.0096
16	0.0129	0.0032	0.0097
17	0.0129	0.0032	0.0097

18	0.0130	0.0032	0.0097
19	0.0130	0.0033	0.0097
20	0.0130	0.0033	0.0098
21	0.0131	0.0033	0.0098
22	0.0131	0.0033	0.0098
23	0.0132	0.0033	0.0099
24	0.0132	0.0033	0.0099
25	0.0132	0.0033	0.0099
26	0.0133	0.0033	0.0099
27	0.0133	0.0033	0.0100
28	0.0133	0.0033	0.0100
29	0.0134	0.0034	0.0100
30	0.0134	0.0034	0.0101
31	0.0135	0.0034	0.0101
32	0.0135	0.0034	0.0101
33	0.0136	0.0034	0.0102
34	0.0136	0.0034	0.0102
35	0.0137	0.0034	0.0102
36	0.0137	0.0034	0.0103
37	0.0137	0.0034	0.0103
38	0.0138	0.0035	0.0103
39	0.0138	0.0035	0.0104
40	0.0139	0.0035	0.0104
41	0.0139	0.0035	0.0104
42	0.0140	0.0035	0.0105
43	0.0140	0.0035	0.0105
44	0.0141	0.0035	0.0105
45	0.0141	0.0035	0.0106
46	0.0141	0.0035	0.0106
47	0.0142	0.0036	0.0106
48	0.0142	0.0036	0.0107
49	0.0143	0.0036	0.0107
50	0.0143	0.0036	0.0107
51	0.0144	0.0036	0.0108
52	0.0144	0.0036	0.0108
53	0.0145	0.0036	0.0109
54	0.0146	0.0036	0.0109
55	0.0146	0.0037	0.0110
56	0.0147	0.0037	0.0110
57	0.0147	0.0037	0.0110
58	0.0148	0.0037	0.0111
59	0.0148	0.0037	0.0111
60	0.0149	0.0037	0.0111
61	0.0150	0.0038	0.0112
62	0.0150	0.0038	0.0112
63	0.0151	0.0038	0.0113
64	0.0151	0.0038	0.0113
65	0.0152	0.0038	0.0114
66	0.0152	0.0038	0.0114
67	0.0153	0.0038	0.0115
68	0.0154	0.0039	0.0115
69	0.0154	0.0039	0.0116
70	0.0155	0.0039	0.0116
71	0.0156	0.0039	0.0117
72	0.0156	0.0039	0.0117
73	0.0157	0.0039	0.0118
74	0.0157	0.0039	0.0118
75	0.0158	0.0040	0.0119
76	0.0159	0.0040	0.0119
77	0.0160	0.0040	0.0120
78	0.0160	0.0040	0.0120
79	0.0161	0.0040	0.0121
80	0.0162	0.0041	0.0121
81	0.0162	0.0041	0.0122
82	0.0163	0.0041	0.0122
83	0.0164	0.0041	0.0123
84	0.0164	0.0041	0.0123
85	0.0166	0.0042	0.0124
86	0.0166	0.0042	0.0124
87	0.0167	0.0042	0.0125
88	0.0168	0.0042	0.0126
89	0.0169	0.0042	0.0126
90	0.0169	0.0042	0.0127

91	0.0170	0.0043	0.0128
92	0.0171	0.0043	0.0128
93	0.0172	0.0043	0.0129
94	0.0173	0.0043	0.0129
95	0.0174	0.0044	0.0130
96	0.0174	0.0044	0.0131
97	0.0176	0.0044	0.0132
98	0.0176	0.0044	0.0132
99	0.0178	0.0045	0.0133
100	0.0178	0.0045	0.0133
101	0.0179	0.0045	0.0134
102	0.0180	0.0045	0.0135
103	0.0181	0.0046	0.0136
104	0.0182	0.0046	0.0136
105	0.0184	0.0046	0.0138
106	0.0184	0.0046	0.0138
107	0.0186	0.0047	0.0139
108	0.0186	0.0047	0.0140
109	0.0188	0.0047	0.0141
110	0.0189	0.0047	0.0141
111	0.0190	0.0048	0.0143
112	0.0191	0.0048	0.0143
113	0.0193	0.0048	0.0144
114	0.0193	0.0049	0.0145
115	0.0195	0.0049	0.0146
116	0.0196	0.0049	0.0147
117	0.0198	0.0050	0.0148
118	0.0199	0.0050	0.0149
119	0.0200	0.0050	0.0150
120	0.0201	0.0050	0.0151
121	0.0203	0.0051	0.0152
122	0.0204	0.0051	0.0153
123	0.0206	0.0052	0.0154
124	0.0207	0.0052	0.0155
125	0.0209	0.0052	0.0157
126	0.0210	0.0053	0.0157
127	0.0212	0.0053	0.0159
128	0.0213	0.0054	0.0160
129	0.0216	0.0054	0.0162
130	0.0217	0.0054	0.0162
131	0.0219	0.0055	0.0164
132	0.0220	0.0055	0.0165
133	0.0223	0.0056	0.0167
134	0.0224	0.0056	0.0168
135	0.0227	0.0057	0.0170
136	0.0228	0.0057	0.0171
137	0.0231	0.0058	0.0173
138	0.0232	0.0058	0.0174
139	0.0235	0.0059	0.0176
140	0.0237	0.0059	0.0177
141	0.0240	0.0060	0.0180
142	0.0241	0.0060	0.0181
143	0.0244	0.0061	0.0183
144	0.0246	0.0062	0.0184
145	0.0249	0.0062	0.0186
146	0.0250	0.0063	0.0188
147	0.0254	0.0064	0.0190
148	0.0256	0.0064	0.0192
149	0.0260	0.0065	0.0195
150	0.0262	0.0066	0.0196
151	0.0266	0.0067	0.0199
152	0.0268	0.0067	0.0201
153	0.0273	0.0068	0.0204
154	0.0275	0.0069	0.0206
155	0.0280	0.0070	0.0210
156	0.0283	0.0071	0.0212
157	0.0288	0.0072	0.0216
158	0.0291	0.0073	0.0218
159	0.0296	0.0074	0.0222
160	0.0299	0.0075	0.0224
161	0.0306	0.0077	0.0229
162	0.0309	0.0077	0.0231
163	0.0316	0.0079	0.0237

164	0.0320	0.0080	0.0239
165	0.0327	0.0082	0.0245
166	0.0331	0.0083	0.0248
167	0.0340	0.0085	0.0255
168	0.0345	0.0086	0.0258
169	0.0354	0.0089	0.0265
170	0.0359	0.0090	0.0269
171	0.0370	0.0093	0.0278
172	0.0376	0.0094	0.0282
173	0.0389	0.0098	0.0291
174	0.0396	0.0099	0.0297
175	0.0411	0.0103	0.0308
176	0.0419	0.0105	0.0314
177	0.0436	0.0109	0.0327
178	0.0446	0.0112	0.0334
179	0.0468	0.0117	0.0350
180	0.0480	0.0120	0.0359
181	0.0507	0.0127	0.0380
182	0.0522	0.0131	0.0391
183	0.0557	0.0140	0.0418
184	0.0578	0.0145	0.0433
185	0.0510	0.0128	0.0382
186	0.0538	0.0135	0.0403
187	0.0611	0.0153	0.0458
188	0.0659	0.0165	0.0494
189	0.0794	0.0199	0.0595
190	0.0896	0.0225	0.0672
191	0.1281	0.0242	0.1040
192	0.1762	0.0242	0.1520
193	0.5514	0.0242	0.5273
194	0.1044	0.0242	0.0802
195	0.0718	0.0180	0.0538
196	0.0572	0.0143	0.0428
197	0.0601	0.0151	0.0450
198	0.0539	0.0135	0.0404
199	0.0493	0.0124	0.0369
200	0.0457	0.0115	0.0342
201	0.0427	0.0107	0.0320
202	0.0403	0.0101	0.0302
203	0.0382	0.0096	0.0287
204	0.0365	0.0091	0.0273
205	0.0349	0.0088	0.0262
206	0.0336	0.0084	0.0251
207	0.0323	0.0081	0.0242
208	0.0312	0.0078	0.0234
209	0.0302	0.0076	0.0227
210	0.0293	0.0074	0.0220
211	0.0285	0.0072	0.0214
212	0.0277	0.0070	0.0208
213	0.0270	0.0068	0.0203
214	0.0264	0.0066	0.0198
215	0.0258	0.0065	0.0193
216	0.0252	0.0063	0.0189
217	0.0248	0.0062	0.0186
218	0.0243	0.0061	0.0182
219	0.0238	0.0060	0.0178
220	0.0234	0.0059	0.0175
221	0.0229	0.0058	0.0172
222	0.0225	0.0057	0.0169
223	0.0222	0.0056	0.0166
224	0.0218	0.0055	0.0163
225	0.0215	0.0054	0.0161
226	0.0211	0.0053	0.0158
227	0.0208	0.0052	0.0156
228	0.0205	0.0051	0.0154
229	0.0202	0.0051	0.0152
230	0.0199	0.0050	0.0149
231	0.0197	0.0049	0.0147
232	0.0194	0.0049	0.0146
233	0.0192	0.0048	0.0144
234	0.0189	0.0048	0.0142
235	0.0187	0.0047	0.0140
236	0.0185	0.0046	0.0139

237	0.0183	0.0046	0.0137
238	0.0181	0.0045	0.0135
239	0.0179	0.0045	0.0134
240	0.0177	0.0044	0.0133
241	0.0175	0.0044	0.0131
242	0.0173	0.0043	0.0130
243	0.0172	0.0043	0.0128
244	0.0170	0.0043	0.0127
245	0.0168	0.0042	0.0126
246	0.0167	0.0042	0.0125
247	0.0165	0.0041	0.0124
248	0.0163	0.0041	0.0122
249	0.0162	0.0041	0.0121
250	0.0161	0.0040	0.0120
251	0.0159	0.0040	0.0119
252	0.0158	0.0040	0.0118
253	0.0156	0.0039	0.0117
254	0.0155	0.0039	0.0116
255	0.0154	0.0039	0.0115
256	0.0153	0.0038	0.0114
257	0.0151	0.0038	0.0113
258	0.0150	0.0038	0.0113
259	0.0149	0.0037	0.0112
260	0.0148	0.0037	0.0111
261	0.0147	0.0037	0.0110
262	0.0146	0.0037	0.0109
263	0.0145	0.0036	0.0108
264	0.0144	0.0036	0.0108
265	0.0143	0.0036	0.0107
266	0.0142	0.0036	0.0106
267	0.0141	0.0035	0.0106
268	0.0140	0.0035	0.0105
269	0.0139	0.0035	0.0104
270	0.0138	0.0035	0.0103
271	0.0137	0.0034	0.0103
272	0.0136	0.0034	0.0102
273	0.0135	0.0034	0.0101
274	0.0135	0.0034	0.0101
275	0.0134	0.0034	0.0100
276	0.0133	0.0033	0.0100
277	0.0132	0.0033	0.0099
278	0.0131	0.0033	0.0098
279	0.0131	0.0033	0.0098
280	0.0130	0.0033	0.0097
281	0.0129	0.0032	0.0097
282	0.0128	0.0032	0.0096
283	0.0128	0.0032	0.0096
284	0.0127	0.0032	0.0095
285	0.0126	0.0032	0.0095
286	0.0126	0.0031	0.0094
287	0.0125	0.0031	0.0094
288	0.0124	0.0031	0.0093

Total soil rain loss = 1.66(In)
Total effective rainfall = 5.52(In)
Peak flow rate in flood hydrograph = 0.96(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0000	0.00	Q	|	|	|	|
0+10	0.0001	0.01	Q	|	|	|	|
0+15	0.0002	0.02	Q	|	|	|	|
0+20	0.0004	0.03	Q	|	|	|	|
0+25	0.0006	0.03	Q	|	|	|	|
0+30	0.0009	0.04	Q	|	|	|	|

0+35	0.0011	0.04	Q	|	|	|	|
0+40	0.0014	0.04	Q	|	|	|	|
0+45	0.0017	0.04	Q	|	|	|	|
0+50	0.0020	0.04	Q	|	|	|	|
0+55	0.0022	0.04	Q	|	|	|	|
1+ 0	0.0025	0.04	Q	|	|	|	|
1+ 5	0.0028	0.04	Q	|	|	|	|
1+10	0.0031	0.04	Q	|	|	|	|
1+15	0.0034	0.04	Q	|	|	|	|
1+20	0.0037	0.04	Q	|	|	|	|
1+25	0.0040	0.04	Q	|	|	|	|
1+30	0.0044	0.04	Q	|	|	|	|
1+35	0.0047	0.05	QV	|	|	|	|
1+40	0.0050	0.05	QV	|	|	|	|
1+45	0.0053	0.05	QV	|	|	|	|
1+50	0.0056	0.05	QV	|	|	|	|
1+55	0.0059	0.05	QV	|	|	|	|
2+ 0	0.0062	0.05	QV	|	|	|	|
2+ 5	0.0066	0.05	QV	|	|	|	|
2+10	0.0069	0.05	QV	|	|	|	|
2+15	0.0072	0.05	QV	|	|	|	|
2+20	0.0075	0.05	QV	|	|	|	|
2+25	0.0078	0.05	QV	|	|	|	|
2+30	0.0082	0.05	QV	|	|	|	|
2+35	0.0085	0.05	QV	|	|	|	|
2+40	0.0088	0.05	QV	|	|	|	|
2+45	0.0091	0.05	Q V	|	|	|	|
2+50	0.0095	0.05	Q V	|	|	|	|
2+55	0.0098	0.05	Q V	|	|	|	|
3+ 0	0.0101	0.05	Q V	|	|	|	|
3+ 5	0.0105	0.05	Q V	|	|	|	|
3+10	0.0108	0.05	Q V	|	|	|	|
3+15	0.0111	0.05	Q V	|	|	|	|
3+20	0.0115	0.05	Q V	|	|	|	|
3+25	0.0118	0.05	Q V	|	|	|	|
3+30	0.0121	0.05	Q V	|	|	|	|
3+35	0.0125	0.05	Q V	|	|	|	|
3+40	0.0128	0.05	Q V	|	|	|	|
3+45	0.0131	0.05	Q V	|	|	|	|
3+50	0.0135	0.05	Q V	|	|	|	|
3+55	0.0138	0.05	Q V	|	|	|	|
4+ 0	0.0142	0.05	Q V	|	|	|	|
4+ 5	0.0145	0.05	Q V	|	|	|	|
4+10	0.0148	0.05	Q V	|	|	|	|
4+15	0.0152	0.05	Q V	|	|	|	|
4+20	0.0155	0.05	Q V	|	|	|	|
4+25	0.0159	0.05	Q V	|	|	|	|
4+30	0.0162	0.05	Q V	|	|	|	|
4+35	0.0166	0.05	Q V	|	|	|	|
4+40	0.0169	0.05	Q V	|	|	|	|
4+45	0.0173	0.05	Q V	|	|	|	|
4+50	0.0177	0.05	Q V	|	|	|	|
4+55	0.0180	0.05	Q V	|	|	|	|
5+ 0	0.0184	0.05	Q V	|	|	|	|
5+ 5	0.0187	0.05	Q V	|	|	|	|
5+10	0.0191	0.05	Q V	|	|	|	|
5+15	0.0194	0.05	Q V	|	|	|	|
5+20	0.0198	0.05	Q V	|	|	|	|
5+25	0.0202	0.05	Q V	|	|	|	|
5+30	0.0205	0.05	Q V	|	|	|	|
5+35	0.0209	0.05	Q V	|	|	|	|
5+40	0.0213	0.05	Q V	|	|	|	|
5+45	0.0216	0.05	Q V	|	|	|	|
5+50	0.0220	0.05	Q V	|	|	|	|
5+55	0.0224	0.05	Q V	|	|	|	|
6+ 0	0.0228	0.05	Q V	|	|	|	|
6+ 5	0.0231	0.05	Q V	|	|	|	|
6+10	0.0235	0.05	Q V	|	|	|	|
6+15	0.0239	0.06	Q V	|	|	|	|
6+20	0.0243	0.06	Q V	|	|	|	|
6+25	0.0247	0.06	Q V	|	|	|	|
6+30	0.0250	0.06	Q V	|	|	|	|
6+35	0.0254	0.06	Q V	|	|	|	|

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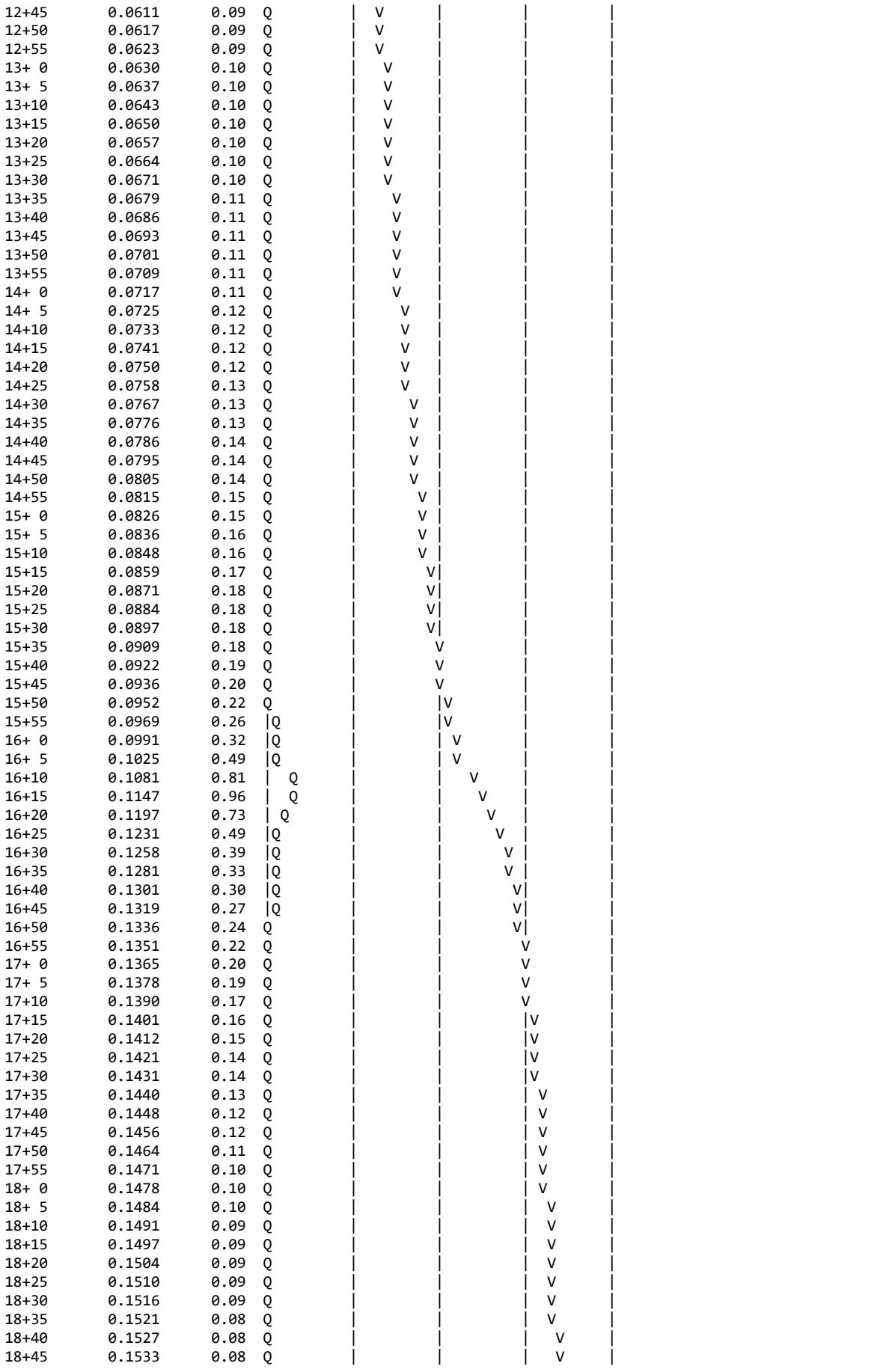
 6+40       0.0258      0.06  Q    V    |          |          |          |
 6+45       0.0262      0.06  Q    V    |          |          |          |
 6+50       0.0266      0.06  Q    V    |          |          |          |
 6+55       0.0270      0.06  Q     V   |          |          |          |
 7+ 0       0.0274      0.06  Q     V   |          |          |          |
 7+ 5       0.0278      0.06  Q     V   |          |          |          |
 7+10       0.0282      0.06  Q     V   |          |          |          |
 7+15       0.0286      0.06  Q     V   |          |          |          |
 7+20       0.0290      0.06  Q     V   |          |          |          |
 7+25       0.0294      0.06  Q     V   |          |          |          |
 7+30       0.0298      0.06  Q     V   |          |          |          |
 7+35       0.0302      0.06  Q     V   |          |          |          |
 7+40       0.0306      0.06  Q     V   |          |          |          |
 7+45       0.0310      0.06  Q     V   |          |          |          |
 7+50       0.0314      0.06  Q      V  |          |          |          |
 7+55       0.0318      0.06  Q      V  |          |          |          |
 8+ 0       0.0322      0.06  Q      V  |          |          |          |
 8+ 5       0.0327      0.06  Q      V  |          |          |          |
 8+10       0.0331      0.06  Q      V  |          |          |          |
 8+15       0.0335      0.06  Q      V  |          |          |          |
 8+20       0.0339      0.06  Q      V  |          |          |          |
 8+25       0.0344      0.06  Q      V  |          |          |          |
 8+30       0.0348      0.06  Q      V  |          |          |          |
 8+35       0.0352      0.06  Q      V  |          |          |          |
 8+40       0.0357      0.06  Q      V  |          |          |          |
 8+45       0.0361      0.06  Q       V |          |          |          |
 8+50       0.0365      0.06  Q       V |          |          |          |
 8+55       0.0370      0.06  Q       V |          |          |          |
 9+ 0       0.0374      0.06  Q       V |          |          |          |
 9+ 5       0.0379      0.06  Q       V |          |          |          |
 9+10       0.0383      0.07  Q       V |          |          |          |
 9+15       0.0388      0.07  Q       V |          |          |          |
 9+20       0.0392      0.07  Q       V |          |          |          |
 9+25       0.0397      0.07  Q       V |          |          |          |
 9+30       0.0401      0.07  Q       V |          |          |          |
 9+35       0.0406      0.07  Q        V|          |          |          |
 9+40       0.0411      0.07  Q        V|          |          |          |
 9+45       0.0415      0.07  Q        V|          |          |          |
 9+50       0.0420      0.07  Q        V|          |          |          |
 9+55       0.0425      0.07  Q        V|          |          |          |
10+ 0       0.0430      0.07  Q        V|          |          |          |
10+ 5       0.0435      0.07  Q        V|          |          |          |
10+10       0.0439      0.07  Q        V|          |          |          |
10+15       0.0444      0.07  Q        V|          |          |          |
10+20       0.0449      0.07  Q         V          |          |          |
10+25       0.0454      0.07  Q         V          |          |          |
10+30       0.0459      0.07  Q         V          |          |          |
10+35       0.0464      0.07  Q         V          |          |          |
10+40       0.0469      0.07  Q         V          |          |          |
10+45       0.0474      0.07  Q         V          |          |          |
10+50       0.0479      0.07  Q         V          |          |          |
10+55       0.0485      0.08  Q         V          |          |          |
11+ 0       0.0490      0.08  Q         V          |          |          |
11+ 5       0.0495      0.08  Q         |V         |          |          |
11+10       0.0500      0.08  Q         |V         |          |          |
11+15       0.0506      0.08  Q         |V         |          |          |
11+20       0.0511      0.08  Q         |V         |          |          |
11+25       0.0516      0.08  Q         |V         |          |          |
11+30       0.0522      0.08  Q         |V         |          |          |
11+35       0.0527      0.08  Q         |V         |          |          |
11+40       0.0533      0.08  Q         |V         |          |          |
11+45       0.0539      0.08  Q         | V        |          |          |
11+50       0.0544      0.08  Q         | V        |          |          |
11+55       0.0550      0.08  Q         | V        |          |          |
12+ 0       0.0556      0.08  Q         | V        |          |          |
12+ 5       0.0562      0.08  Q         | V        |          |          |
12+10       0.0568      0.09  Q         | V        |          |          |
12+15       0.0574      0.09  Q         | V        |          |          |
12+20       0.0580      0.09  Q         | V        |          |          |
12+25       0.0586      0.09  Q         |  V       |          |          |
12+30       0.0592      0.09  Q         |  V       |          |          |
12+35       0.0598      0.09  Q         |  V       |          |          |
12+40       0.0604      0.09  Q         |  V       |          |          |
```



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18+50       0.1538      0.08  Q        |         |         |   V     |
18+55       0.1544      0.08  Q        |         |         |   V     |
19+ 0       0.1549      0.08  Q        |         |         |   V     |
19+ 5       0.1554      0.08  Q        |         |         |   V     |
19+10       0.1559      0.07  Q        |         |         |   V     |
19+15       0.1564      0.07  Q        |         |         |   V     |
19+20       0.1569      0.07  Q        |         |         |   V     |
19+25       0.1574      0.07  Q        |         |         |    V    |
19+30       0.1579      0.07  Q        |         |         |    V    |
19+35       0.1584      0.07  Q        |         |         |    V    |
19+40       0.1589      0.07  Q        |         |         |    V    |
19+45       0.1594      0.07  Q        |         |         |    V    |
19+50       0.1598      0.07  Q        |         |         |    V    |
19+55       0.1603      0.07  Q        |         |         |    V    |
20+ 0       0.1607      0.07  Q        |         |         |    V    |
20+ 5       0.1612      0.06  Q        |         |         |    V    |
20+10       0.1616      0.06  Q        |         |         |     V   |
20+15       0.1620      0.06  Q        |         |         |     V   |
20+20       0.1625      0.06  Q        |         |         |     V   |
20+25       0.1629      0.06  Q        |         |         |     V   |
20+30       0.1633      0.06  Q        |         |         |     V   |
20+35       0.1637      0.06  Q        |         |         |     V   |
20+40       0.1642      0.06  Q        |         |         |     V   |
20+45       0.1646      0.06  Q        |         |         |     V   |
20+50       0.1650      0.06  Q        |         |         |     V   |
20+55       0.1654      0.06  Q        |         |         |     V   |
21+ 0       0.1658      0.06  Q        |         |         |     V   |
21+ 5       0.1662      0.06  Q        |         |         |      V  |
21+10       0.1666      0.06  Q        |         |         |      V  |
21+15       0.1669      0.06  Q        |         |         |      V  |
21+20       0.1673      0.06  Q        |         |         |      V  |
21+25       0.1677      0.06  Q        |         |         |      V  |
21+30       0.1681      0.05  Q        |         |         |      V  |
21+35       0.1685      0.05  Q        |         |         |      V  |
21+40       0.1688      0.05  Q        |         |         |      V  |
21+45       0.1692      0.05  Q        |         |         |      V  |
21+50       0.1696      0.05  Q        |         |         |      V  |
21+55       0.1699      0.05  Q        |         |         |      V  |
22+ 0       0.1703      0.05  Q        |         |         |      V  |
22+ 5       0.1706      0.05  Q        |         |         |       V |
22+10       0.1710      0.05  Q        |         |         |       V |
22+15       0.1713      0.05  Q        |         |         |       V |
22+20       0.1717      0.05  Q        |         |         |       V |
22+25       0.1720      0.05  Q        |         |         |       V |
22+30       0.1724      0.05  Q        |         |         |       V |
22+35       0.1727      0.05  Q        |         |         |       V |
22+40       0.1731      0.05  Q        |         |         |       V |
22+45       0.1734      0.05  Q        |         |         |       V |
22+50       0.1737      0.05  Q        |         |         |       V |
22+55       0.1741      0.05  Q        |         |         |       V |
23+ 0       0.1744      0.05  Q        |         |         |       V |
23+ 5       0.1747      0.05  Q        |         |         |       V |
23+10       0.1751      0.05  Q        |         |         |        V|
23+15       0.1754      0.05  Q        |         |         |        V|
23+20       0.1757      0.05  Q        |         |         |        V|
23+25       0.1760      0.05  Q        |         |         |        V|
23+30       0.1764      0.05  Q        |         |         |        V|
23+35       0.1767      0.05  Q        |         |         |        V|
23+40       0.1770      0.05  Q        |         |         |        V|
23+45       0.1773      0.05  Q        |         |         |        V|
23+50       0.1776      0.05  Q        |         |         |        V|
23+55       0.1779      0.05  Q        |         |         |        V|
24+ 0       0.1782      0.04  Q        |         |         |        V|
24+ 5       0.1785      0.04  Q        |         |         |        V|
24+10       0.1788      0.03  Q        |         |         |        V|
24+15       0.1789      0.02  Q        |         |         |        V|
24+20       0.1790      0.02  Q        |         |         |        V|
24+25       0.1791      0.01  Q        |         |         |        V|
24+30       0.1792      0.01  Q        |         |         |        V|
24+35       0.1792      0.01  Q        |         |         |        V|
24+40       0.1793      0.01  Q        |         |         |        V|
24+45       0.1793      0.00  Q        |         |         |        V|
24+50       0.1793      0.00  Q        |         |         |        V|
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   24+55       0.1794      0.00  Q         |         |         |        V|
   25+ 0       0.1794      0.00  Q         |         |         |        V|
   25+ 5       0.1794      0.00  Q         |         |         |        V|
   25+10       0.1794      0.00  Q         |         |         |        V|
   25+15       0.1794      0.00  Q         |         |         |        V|
   25+20       0.1794      0.00  Q         |         |         |        V|
   25+25       0.1794      0.00  Q         |         |         |        V|
   25+30       0.1794      0.00  Q         |         |         |        V|
   25+35       0.1794      0.00  Q         |         |         |        V|
   25+40       0.1794      0.00  Q         |         |         |         V
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Appendix

F

BASIN ROUTING ANALYSIS

- Basin Stage Volume Summary Table
- 10-Year, 24-Hours Storm Routing
- 100-Year, 24-Hours Storm Routing

Detention/Infiltration Basin Stage Summary Table:

Elevation (ft.)	Basin Area (sf)	Depth (ft.)	Basin Volume (cft)	Basin Volume (ac-ft)	Basin Infiltration Flow* (cfs)	6-2 inch Orifice /Row (cfs)	24" CMP Standing Outlet Pipe Weir Flow (cfs)	Total Outlet Flow (cfs)
Bottom of Basin	10,180	-	-	-	0.08	0.00	0.00	0.08
Provided LID Treament Volume	11,510	1.00	10,845	0.25	0.08	0.00	0.00	0.08
	12,897	2.00	23,049	0.53	0.08	0.00	0.00	0.08
	14,194	2.90	**35,239**	0.81				
	14,341	3.00	36,668	0.84	0.08	0.00	0.68	0.76
	15,084	3.50	44,024	1.01	0.08	0.42	9.92	10.00
	15,483	4.00	51,666	1.19	0.08	1.08	24.63	24.71
	16,241	4.50	59,686	1.37	0.08	1.92	43.21	43.29
Top of Basin	17,398	5.00	68,096	1.56	0.08	2.76	64.98	65.06

Note:

* Infiltration flow based on the engineer assumption, Infiltration rate =0.5 in/hr with safety factor SF=2 & basin areas. Infiltration Rate=0.5xbasin area/12/3600=0.08 cfs
Soils percolation test will be done in final engineering stage

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 08/02/23

Basin Routing
Yucaipa 18-Development Project
10-Year, 24-hours

Program License Serial Number 6481

********** HYDROGRAPH INFORMATION **********

From study/file name: UH222PA210.rte
**********HYDROGRAPH DATA**********
Number of intervals = 294
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 27.715 (CFS)
Total volume = 3.397 (Ac.Ft)
Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

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Process from Point/Station 101.000 to Point/Station 102.000
**** RETARDING BASIN ROUTING ****
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User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 294
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
2.900	0.810	0.080	0.810	0.810
3.000	0.840	0.760	0.837	0.843
3.500	1.010	10.000	0.976	1.044
4.000	1.190	24.710	1.105	1.275
4.500	1.370	43.290	1.221	1.519
5.000	1.560	65.060	1.336	1.784

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 6.9 13.86 20.79 27.71	Depth (Ft.)
0.083	0.04	0.00	0.000	O | | | |	0.00
0.167	0.28	0.00	0.001	O | | | |	0.00

0.250	0.60	0.00	0.004	O				0.02
0.333	0.74	0.00	0.009	O				0.03
0.417	0.78	0.00	0.014	O				0.05
0.500	0.79	0.00	0.020	O				0.07
0.583	0.80	0.00	0.025	O				0.09
0.667	0.80	0.00	0.031	O				0.11
0.750	0.81	0.00	0.036	O				0.13
0.833	0.81	0.00	0.042	O				0.15
0.917	0.81	0.00	0.047	O				0.17
1.000	0.81	0.01	0.053	O				0.19
1.083	0.82	0.01	0.058	O				0.21
1.167	0.82	0.01	0.064	O				0.23
1.250	0.82	0.01	0.069	O				0.25
1.333	0.82	0.01	0.075	O				0.27
1.417	0.82	0.01	0.081	O				0.29
1.500	0.83	0.01	0.086	O				0.31
1.583	0.83	0.01	0.092	O				0.33
1.667	0.83	0.01	0.098	O				0.35
1.750	0.83	0.01	0.103	O				0.37
1.833	0.84	0.01	0.109	O				0.39
1.917	0.84	0.01	0.115	O				0.41
2.000	0.84	0.01	0.120	O				0.43
2.083	0.84	0.01	0.126	O				0.45
2.167	0.85	0.01	0.132	O				0.47
2.250	0.85	0.01	0.138	O				0.49
2.333	0.85	0.01	0.143	O				0.51
2.417	0.85	0.01	0.149	O				0.53
2.500	0.86	0.02	0.155	O				0.55
2.583	0.86	0.02	0.161	O				0.58
2.667	0.86	0.02	0.167	O				0.60
2.750	0.87	0.02	0.172	O				0.62
2.833	0.87	0.02	0.178	OI				0.64
2.917	0.87	0.02	0.184	OI				0.66
3.000	0.87	0.02	0.190	OI				0.68
3.083	0.88	0.02	0.196	OI				0.70
3.167	0.88	0.02	0.202	OI				0.72
3.250	0.88	0.02	0.208	OI				0.74
3.333	0.89	0.02	0.214	OI				0.76
3.417	0.89	0.02	0.220	OI				0.79
3.500	0.89	0.02	0.226	OI				0.81
3.583	0.89	0.02	0.232	OI				0.83
3.667	0.90	0.02	0.238	OI				0.85
3.750	0.90	0.02	0.244	OI				0.87
3.833	0.90	0.02	0.250	OI				0.89
3.917	0.91	0.03	0.256	OI				0.92
4.000	0.91	0.03	0.262	OI				0.94
4.083	0.91	0.03	0.268	OI				0.96
4.167	0.92	0.03	0.274	OI				0.98
4.250	0.92	0.03	0.280	OI				1.00
4.333	0.92	0.03	0.286	OI				1.03
4.417	0.93	0.03	0.292	OI				1.05
4.500	0.93	0.03	0.299	OI				1.07
4.583	0.93	0.03	0.305	OI				1.09
4.667	0.94	0.03	0.311	OI				1.11
4.750	0.94	0.03	0.317	OI				1.14
4.833	0.94	0.03	0.324	OI				1.16
4.917	0.95	0.03	0.330	OI				1.18
5.000	0.95	0.03	0.336	OI				1.20
5.083	0.95	0.03	0.343	OI				1.23
5.167	0.96	0.03	0.349	OI				1.25
5.250	0.96	0.04	0.355	OI				1.27
5.333	0.97	0.04	0.362	OI				1.29
5.417	0.97	0.04	0.368	OI				1.32
5.500	0.97	0.04	0.375	OI				1.34
5.583	0.98	0.04	0.381	OI				1.36
5.667	0.98	0.04	0.387	OI				1.39
5.750	0.99	0.04	0.394	OI				1.41
5.833	0.99	0.04	0.401	OI				1.43
5.917	0.99	0.04	0.407	OI				1.46
6.000	1.00	0.04	0.414	OI				1.48
6.083	1.00	0.04	0.420	OI				1.50
6.167	1.01	0.04	0.427	OI				1.53
6.250	1.01	0.04	0.434	OI				1.55

6.333	1.01	0.04	0.440	OI				1.58
6.417	1.02	0.04	0.447	OI				1.60
6.500	1.02	0.04	0.454	OI				1.62
6.583	1.03	0.05	0.460	OI				1.65
6.667	1.03	0.05	0.467	OI				1.67
6.750	1.04	0.05	0.474	OI				1.70
6.833	1.04	0.05	0.481	OI				1.72
6.917	1.05	0.05	0.488	OI				1.75
7.000	1.05	0.05	0.495	OI				1.77
7.083	1.06	0.05	0.501	OI				1.80
7.167	1.06	0.05	0.508	OI				1.82
7.250	1.07	0.05	0.515	OI				1.85
7.333	1.07	0.05	0.522	OI				1.87
7.417	1.08	0.05	0.529	OI				1.90
7.500	1.08	0.05	0.537	OI				1.92
7.583	1.09	0.05	0.544	OI				1.95
7.667	1.09	0.05	0.551	OI				1.97
7.750	1.10	0.06	0.558	OI				2.00
7.833	1.10	0.06	0.565	OI				2.02
7.917	1.11	0.06	0.572	OI				2.05
8.000	1.12	0.06	0.580	OI				2.08
8.083	1.12	0.06	0.587	OI				2.10
8.167	1.13	0.06	0.594	OI				2.13
8.250	1.13	0.06	0.602	OI				2.15
8.333	1.14	0.06	0.609	OI				2.18
8.417	1.15	0.06	0.617	OI				2.21
8.500	1.15	0.06	0.624	OI				2.23
8.583	1.16	0.06	0.632	OI				2.26
8.667	1.17	0.06	0.639	OI				2.29
8.750	1.17	0.06	0.647	OI				2.32
8.833	1.18	0.06	0.654	OI				2.34
8.917	1.19	0.07	0.662	OI				2.37
9.000	1.19	0.07	0.670	OI				2.40
9.083	1.20	0.07	0.678	OI				2.43
9.167	1.21	0.07	0.685	OI				2.45
9.250	1.21	0.07	0.693	OI				2.48
9.333	1.22	0.07	0.701	OI				2.51
9.417	1.23	0.07	0.709	OI				2.54
9.500	1.24	0.07	0.717	OI				2.57
9.583	1.25	0.07	0.725	OI				2.60
9.667	1.25	0.07	0.733	OI				2.63
9.750	1.26	0.07	0.742	OI				2.65
9.833	1.27	0.07	0.750	OI				2.68
9.917	1.28	0.07	0.758	OI				2.71
10.000	1.29	0.08	0.766	OI				2.74
10.083	1.30	0.08	0.775	OI				2.77
10.167	1.31	0.08	0.783	OI				2.80
10.250	1.31	0.08	0.792	OI				2.83
10.333	1.32	0.08	0.800	OI				2.86
10.417	1.33	0.08	0.809	OI				2.90
10.500	1.34	0.24	0.817	OI				2.92
10.583	1.35	0.40	0.824	OI				2.95
10.667	1.36	0.54	0.830	OI				2.97
10.750	1.38	0.66	0.835	OI				2.98
10.833	1.39	0.76	0.840	OI				3.00
10.917	1.40	0.96	0.844	|O				3.01
11.000	1.41	1.10	0.846	|O				3.02
11.083	1.42	1.20	0.848	|O				3.02
11.167	1.43	1.27	0.849	|O				3.03
11.250	1.44	1.32	0.850	|O				3.03
11.333	1.46	1.36	0.851	|O				3.03
11.417	1.47	1.40	0.852	|O				3.03
11.500	1.48	1.42	0.852	|O				3.04
11.583	1.50	1.44	0.853	|O				3.04
11.667	1.51	1.46	0.853	|O				3.04
11.750	1.53	1.48	0.853	|O				3.04
11.833	1.54	1.50	0.854	|O				3.04
11.917	1.56	1.51	0.854	|O				3.04
12.000	1.57	1.53	0.854	|O				3.04
12.083	1.59	1.55	0.854	|O				3.04
12.167	1.64	1.57	0.855	|O				3.04
12.250	1.70	1.60	0.855	|O				3.05
12.333	1.74	1.64	0.856	|OI				3.05

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12.417    1.76    1.67      0.857  |OI     |       |       |       |     3.05
12.500    1.78    1.70      0.857  |OI     |       |       |       |     3.05
12.583    1.80    1.73      0.858  |OI     |       |       |       |     3.05
12.667    1.82    1.76      0.858  | O     |       |       |       |     3.05
12.750    1.84    1.78      0.859  | O     |       |       |       |     3.06
12.833    1.86    1.80      0.859  | O     |       |       |       |     3.06
12.917    1.89    1.83      0.860  | O     |       |       |       |     3.06
13.000    1.91    1.85      0.860  | O     |       |       |       |     3.06
13.083    1.93    1.87      0.860  | O     |       |       |       |     3.06
13.167    1.96    1.89      0.861  | O     |       |       |       |     3.06
13.250    1.99    1.92      0.861  | O     |       |       |       |     3.06
13.333    2.01    1.94      0.862  | O     |       |       |       |     3.06
13.417    2.04    1.97      0.862  | O     |       |       |       |     3.07
13.500    2.07    2.00      0.863  | O     |       |       |       |     3.07
13.583    2.10    2.03      0.863  | O     |       |       |       |     3.07
13.667    2.13    2.05      0.864  | O     |       |       |       |     3.07
13.750    2.17    2.09      0.864  | O     |       |       |       |     3.07
13.833    2.21    2.12      0.865  | O     |       |       |       |     3.07
13.917    2.24    2.15      0.866  | O     |       |       |       |     3.08
14.000    2.28    2.19      0.866  | O     |       |       |       |     3.08
14.083    2.33    2.22      0.867  | O     |       |       |       |     3.08
14.167    2.37    2.26      0.868  | O     |       |       |       |     3.08
14.250    2.42    2.31      0.868  | O     |       |       |       |     3.08
14.333    2.47    2.35      0.869  | O     |       |       |       |     3.09
14.417    2.53    2.40      0.870  | O     |       |       |       |     3.09
14.500    2.58    2.45      0.871  | O     |       |       |       |     3.09
14.583    2.65    2.50      0.872  | OI    |       |       |       |     3.09
14.667    2.71    2.56      0.873  | OI    |       |       |       |     3.10
14.750    2.79    2.62      0.874  |  O    |       |       |       |     3.10
14.833    2.87    2.68      0.875  |  O    |       |       |       |     3.10
14.917    2.95    2.75      0.877  |  O    |       |       |       |     3.11
15.000    3.05    2.83      0.878  |  O    |       |       |       |     3.11
15.083    3.15    2.92      0.880  |  O    |       |       |       |     3.12
15.167    3.27    3.01      0.881  |  O    |       |       |       |     3.12
15.250    3.41    3.11      0.883  |  O    |       |       |       |     3.13
15.333    3.55    3.23      0.885  |  OI   |       |       |       |     3.13
15.417    3.68    3.35      0.888  |  OI   |       |       |       |     3.14
15.500    3.60    3.44      0.889  |  OI   |       |       |       |     3.15
15.583    3.47    3.47      0.890  |   O   |       |       |       |     3.15
15.667    3.60    3.49      0.890  |   O   |       |       |       |     3.15
15.750    3.92    3.58      0.892  |   O   |       |       |       |     3.15
15.833    4.42    3.76      0.895  |   OI  |       |       |       |     3.16
15.917    5.18    4.09      0.901  |   OI  |       |       |       |     3.18
16.000    6.71    4.67      0.912  |    O I|       |       |       |     3.21
16.083   11.82    6.12      0.939  |      O|    I  |       |       |     3.29
16.167   24.26    9.88      1.008  |       |  O    |       |   I   |     3.49
16.250   27.71   16.91      1.095  |       |       |  O    |       I     3.73
16.333   14.79   18.81      1.118  |       |       |I   O  |       |     3.80
16.417    7.34   15.41      1.076  |       I       |O      |       |     3.68
16.500    4.75   11.30      1.026  |    I  |    O  |       |       |     3.54
16.583    4.26    8.79      0.988  |   I   | O     |       |       |     3.43
16.667    3.60    7.26      0.960  |   I   O       |       |       |     3.35
16.750    3.33    6.06      0.938  |  I  O |       |       |       |     3.29
16.833    3.10    5.16      0.921  |  I O  |       |       |       |     3.24
16.917    2.91    4.48      0.908  |  I O  |       |       |       |     3.20
17.000    2.75    3.96      0.899  |  IO   |       |       |       |     3.17
17.083    2.61    3.56      0.891  |  IO   |       |       |       |     3.15
17.167    2.49    3.24      0.886  | IO    |       |       |       |     3.13
17.250    2.39    2.99      0.881  | IO    |       |       |       |     3.12
17.333    2.30    2.79      0.877  | IO    |       |       |       |     3.11
17.417    2.22    2.62      0.874  | IO    |       |       |       |     3.10
17.500    2.15    2.48      0.872  | O     |       |       |       |     3.09
17.583    2.08    2.37      0.870  | O     |       |       |       |     3.09
17.667    2.02    2.27      0.868  | O     |       |       |       |     3.08
17.750    1.97    2.18      0.866  | O     |       |       |       |     3.08
17.833    1.92    2.11      0.865  | O     |       |       |       |     3.07
17.917    1.87    2.04      0.864  | O     |       |       |       |     3.07
18.000    1.83    1.98      0.862  | O     |       |       |       |     3.07
18.083    1.78    1.93      0.861  | O     |       |       |       |     3.06
18.167    1.71    1.87      0.860  |IO     |       |       |       |     3.06
18.250    1.64    1.81      0.859  |IO     |       |       |       |     3.06
18.333    1.58    1.75      0.858  |IO     |       |       |       |     3.05
18.417    1.55    1.69      0.857  |O      |       |       |       |     3.05
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18.500	1.52	1.64	0.856	O				3.05
18.583	1.49	1.60	0.855	O				3.05
18.667	1.46	1.56	0.855	O				3.04
18.750	1.44	1.52	0.854	O				3.04
18.833	1.41	1.49	0.853	O				3.04
18.917	1.39	1.46	0.853	O				3.04
19.000	1.37	1.44	0.852	O				3.04
19.083	1.35	1.41	0.852	O				3.04
19.167	1.33	1.39	0.852	O				3.03
19.250	1.31	1.37	0.851	O				3.03
19.333	1.29	1.35	0.851	O				3.03
19.417	1.27	1.33	0.850	O				3.03
19.500	1.26	1.31	0.850	O				3.03
19.583	1.24	1.29	0.850	O				3.03
19.667	1.22	1.27	0.849	O				3.03
19.750	1.21	1.25	0.849	O				3.03
19.833	1.19	1.24	0.849	O				3.03
19.917	1.18	1.22	0.848	O				3.02
20.000	1.17	1.21	0.848	O				3.02
20.083	1.15	1.19	0.848	O				3.02
20.167	1.14	1.18	0.848	O				3.02
20.250	1.13	1.16	0.847	O				3.02
20.333	1.12	1.15	0.847	O				3.02
20.417	1.11	1.14	0.847	O				3.02
20.500	1.09	1.13	0.847	O				3.02
20.583	1.08	1.12	0.847	O				3.02
20.667	1.07	1.10	0.846	O				3.02
20.750	1.06	1.09	0.846	O				3.02
20.833	1.05	1.08	0.846	O				3.02
20.917	1.04	1.07	0.846	O				3.02
21.000	1.03	1.06	0.846	O				3.02
21.083	1.03	1.05	0.845	O				3.02
21.167	1.02	1.04	0.845	O				3.02
21.250	1.01	1.03	0.845	O				3.01
21.333	1.00	1.02	0.845	O				3.01
21.417	0.99	1.01	0.845	O				3.01
21.500	0.98	1.01	0.845	O				3.01
21.583	0.97	1.00	0.844	O				3.01
21.667	0.97	0.99	0.844	O				3.01
21.750	0.96	0.98	0.844	O				3.01
21.833	0.95	0.97	0.844	O				3.01
21.917	0.94	0.97	0.844	O				3.01
22.000	0.94	0.96	0.844	O				3.01
22.083	0.93	0.95	0.844	O				3.01
22.167	0.92	0.94	0.843	O				3.01
22.250	0.92	0.94	0.843	O				3.01
22.333	0.91	0.93	0.843	O				3.01
22.417	0.90	0.92	0.843	O				3.01
22.500	0.90	0.92	0.843	O				3.01
22.583	0.89	0.91	0.843	O				3.01
22.667	0.89	0.90	0.843	O				3.01
22.750	0.88	0.90	0.843	O				3.01
22.833	0.87	0.89	0.842	O				3.01
22.917	0.87	0.89	0.842	O				3.01
23.000	0.86	0.88	0.842	IO				3.01
23.083	0.86	0.87	0.842	IO				3.01
23.167	0.85	0.87	0.842	IO				3.01
23.250	0.85	0.86	0.842	O				3.01
23.333	0.84	0.86	0.842	O				3.01
23.417	0.84	0.85	0.842	O				3.00
23.500	0.83	0.85	0.842	O				3.00
23.583	0.83	0.84	0.841	O				3.00
23.667	0.82	0.84	0.841	O				3.00
23.750	0.82	0.83	0.841	O				3.00
23.833	0.81	0.83	0.841	O				3.00
23.917	0.81	0.82	0.841	O				3.00
24.000	0.80	0.82	0.841	O				3.00
24.083	0.76	0.81	0.841	O				3.00
24.167	0.52	0.76	0.840	O				3.00
24.250	0.20	0.70	0.837	O				2.99
24.333	0.06	0.62	0.834	O				2.98
24.417	0.02	0.53	0.830	O				2.97
24.500	0.01	0.46	0.827	O				2.96

24.583	0.00	0.39	0.824	O					2.95
24.667	0.00	0.33	0.821	O					2.94
24.750	0.00	0.29	0.819	O					2.93
24.833	0.00	0.24	0.817	O					2.92
24.917	0.00	0.21	0.816	O					2.92
25.000	0.00	0.18	0.814	O					2.91
25.083	0.00	0.15	0.813	O					2.91
25.167	0.00	0.13	0.812	O					2.91
25.250	0.00	0.11	0.811	O					2.90
25.333	0.00	0.10	0.811	O					2.90
25.417	0.00	0.08	0.810	O					2.90
25.500	0.00	0.08	0.810	O					2.90
25.583	0.00	0.08	0.809	O					2.90
25.667	0.00	0.08	0.808	O					2.89
25.750	0.00	0.08	0.808	O					2.89
25.833	0.00	0.08	0.807	O					2.89
25.917	0.00	0.08	0.807	O					2.89
26.000	0.00	0.08	0.806	O					2.89
26.083	0.00	0.08	0.806	O					2.88
26.167	0.00	0.08	0.805	O					2.88
26.250	0.00	0.08	0.805	O					2.88
26.333	0.00	0.08	0.804	O					2.88
26.417	0.00	0.08	0.803	O					2.88
26.500	0.00	0.08	0.803	O					2.87
26.583	0.00	0.08	0.802	O					2.87
26.667	0.00	0.08	0.802	O					2.87
26.750	0.00	0.08	0.801	O					2.87
26.833	0.00	0.08	0.801	O					2.87
26.917	0.00	0.08	0.800	O					2.86
27.000	0.00	0.08	0.800	O					2.86
27.083	0.00	0.08	0.799	O					2.86
27.167	0.00	0.08	0.799	O					2.86
27.250	0.00	0.08	0.798	O					2.86
27.333	0.00	0.08	0.797	O					2.86
27.417	0.00	0.08	0.797	O					2.85
27.500	0.00	0.08	0.796	O					2.85
27.583	0.00	0.08	0.796	O					2.85
27.667	0.00	0.08	0.795	O					2.85
27.750	0.00	0.08	0.795	O					2.85
27.833	0.00	0.08	0.794	O					2.84
27.917	0.00	0.08	0.794	O					2.84
28.000	0.00	0.08	0.793	O					2.84
28.083	0.00	0.08	0.793	O					2.84
28.167	0.00	0.08	0.792	O					2.84
28.250	0.00	0.08	0.792	O					2.83
28.333	0.00	0.08	0.791	O					2.83
28.417	0.00	0.08	0.790	O					2.83
28.500	0.00	0.08	0.790	O					2.83
28.583	0.00	0.08	0.789	O					2.83
28.667	0.00	0.08	0.789	O					2.82
28.750	0.00	0.08	0.788	O					2.82
28.833	0.00	0.08	0.788	O					2.82
28.917	0.00	0.08	0.787	O					2.82
29.000	0.00	0.08	0.787	O					2.82
29.083	0.00	0.08	0.786	O					2.81
29.167	0.00	0.08	0.786	O					2.81
29.250	0.00	0.08	0.785	O					2.81
29.333	0.00	0.08	0.785	O					2.81
29.417	0.00	0.08	0.784	O					2.81
29.500	0.00	0.08	0.784	O					2.81
29.583	0.00	0.08	0.783	O					2.80
29.667	0.00	0.08	0.782	O					2.80
29.750	0.00	0.08	0.782	O					2.80
29.833	0.00	0.08	0.781	O					2.80
29.917	0.00	0.08	0.781	O					2.80
30.000	0.00	0.08	0.780	O					2.79
30.083	0.00	0.08	0.780	O					2.79
30.167	0.00	0.08	0.779	O					2.79
30.250	0.00	0.08	0.779	O					2.79
30.333	0.00	0.08	0.778	O					2.79
30.417	0.00	0.08	0.778	O					2.78
30.500	0.00	0.08	0.777	O					2.78
30.583	0.00	0.08	0.777	O					2.78

30.667	0.00	0.08	0.776	O					2.78
30.750	0.00	0.08	0.776	O					2.78
30.833	0.00	0.08	0.775	O					2.77
30.917	0.00	0.08	0.775	O					2.77
31.000	0.00	0.08	0.774	O					2.77
31.083	0.00	0.08	0.773	O					2.77
31.167	0.00	0.08	0.773	O					2.77
31.250	0.00	0.08	0.772	O					2.77
31.333	0.00	0.08	0.772	O					2.76
31.417	0.00	0.08	0.771	O					2.76
31.500	0.00	0.08	0.771	O					2.76
31.583	0.00	0.08	0.770	O					2.76
31.667	0.00	0.08	0.770	O					2.76
31.750	0.00	0.08	0.769	O					2.75
31.833	0.00	0.08	0.769	O					2.75
31.917	0.00	0.08	0.768	O					2.75
32.000	0.00	0.08	0.768	O					2.75
32.083	0.00	0.08	0.767	O					2.75
32.167	0.00	0.08	0.767	O					2.74
32.250	0.00	0.08	0.766	O					2.74
32.333	0.00	0.08	0.766	O					2.74
32.417	0.00	0.08	0.765	O					2.74
32.500	0.00	0.08	0.765	O					2.74
32.583	0.00	0.08	0.764	O					2.74
32.667	0.00	0.08	0.764	O					2.73
32.750	0.00	0.08	0.763	O					2.73
32.833	0.00	0.08	0.762	O					2.73
32.917	0.00	0.08	0.762	O					2.73
33.000	0.00	0.08	0.761	O					2.73
33.083	0.00	0.08	0.761	O					2.72
33.167	0.00	0.08	0.760	O					2.72
33.250	0.00	0.08	0.760	O					2.72
33.333	0.00	0.08	0.759	O					2.72
33.417	0.00	0.07	0.759	O					2.72
33.500	0.00	0.07	0.758	O					2.72
33.583	0.00	0.07	0.758	O					2.71
33.667	0.00	0.07	0.757	O					2.71
33.750	0.00	0.07	0.757	O					2.71
33.833	0.00	0.07	0.756	O					2.71
33.917	0.00	0.07	0.756	O					2.71
34.000	0.00	0.07	0.755	O					2.70
34.083	0.00	0.07	0.755	O					2.70
34.167	0.00	0.07	0.754	O					2.70
34.250	0.00	0.07	0.754	O					2.70
34.333	0.00	0.07	0.753	O					2.70
34.417	0.00	0.07	0.753	O					2.69
34.500	0.00	0.07	0.752	O					2.69
34.583	0.00	0.07	0.752	O					2.69
34.667	0.00	0.07	0.751	O					2.69
34.750	0.00	0.07	0.751	O					2.69
34.833	0.00	0.07	0.750	O					2.69
34.917	0.00	0.07	0.750	O					2.68
35.000	0.00	0.07	0.749	O					2.68
35.083	0.00	0.07	0.749	O					2.68
35.167	0.00	0.07	0.748	O					2.68
35.250	0.00	0.07	0.748	O					2.68
35.333	0.00	0.07	0.747	O					2.67
35.417	0.00	0.07	0.747	O					2.67
35.500	0.00	0.07	0.746	O					2.67
35.583	0.00	0.07	0.746	O					2.67
35.667	0.00	0.07	0.745	O					2.67
35.750	0.00	0.07	0.745	O					2.67
35.833	0.00	0.07	0.744	O					2.66
35.917	0.00	0.07	0.744	O					2.66
36.000	0.00	0.07	0.743	O					2.66
36.083	0.00	0.07	0.743	O					2.66
36.167	0.00	0.07	0.742	O					2.66
36.250	0.00	0.07	0.742	O					2.65
36.333	0.00	0.07	0.741	O					2.65
36.417	0.00	0.07	0.741	O					2.65
36.500	0.00	0.07	0.740	O					2.65
36.583	0.00	0.07	0.740	O					2.65
36.667	0.00	0.07	0.739	O					2.65

36.750	0.00	0.07	0.738	O					2.64
36.833	0.00	0.07	0.738	O					2.64
36.917	0.00	0.07	0.737	O					2.64
37.000	0.00	0.07	0.737	O					2.64
37.083	0.00	0.07	0.736	O					2.64
37.167	0.00	0.07	0.736	O					2.64
37.250	0.00	0.07	0.735	O					2.63
37.333	0.00	0.07	0.735	O					2.63
37.417	0.00	0.07	0.734	O					2.63
37.500	0.00	0.07	0.734	O					2.63
37.583	0.00	0.07	0.733	O					2.63
37.667	0.00	0.07	0.733	O					2.62
37.750	0.00	0.07	0.732	O					2.62
37.833	0.00	0.07	0.732	O					2.62
37.917	0.00	0.07	0.731	O					2.62
38.000	0.00	0.07	0.731	O					2.62
38.083	0.00	0.07	0.731	O					2.62
38.167	0.00	0.07	0.730	O					2.61
38.250	0.00	0.07	0.730	O					2.61
38.333	0.00	0.07	0.729	O					2.61
38.417	0.00	0.07	0.729	O					2.61
38.500	0.00	0.07	0.728	O					2.61
38.583	0.00	0.07	0.728	O					2.60
38.667	0.00	0.07	0.727	O					2.60
38.750	0.00	0.07	0.727	O					2.60
38.833	0.00	0.07	0.726	O					2.60
38.917	0.00	0.07	0.726	O					2.60
39.000	0.00	0.07	0.725	O					2.60
39.083	0.00	0.07	0.725	O					2.59
39.167	0.00	0.07	0.724	O					2.59
39.250	0.00	0.07	0.724	O					2.59
39.333	0.00	0.07	0.723	O					2.59
39.417	0.00	0.07	0.723	O					2.59
39.500	0.00	0.07	0.722	O					2.59
39.583	0.00	0.07	0.722	O					2.58
39.667	0.00	0.07	0.721	O					2.58
39.750	0.00	0.07	0.721	O					2.58
39.833	0.00	0.07	0.720	O					2.58
39.917	0.00	0.07	0.720	O					2.58
40.000	0.00	0.07	0.719	O					2.57
40.083	0.00	0.07	0.719	O					2.57
40.167	0.00	0.07	0.718	O					2.57
40.250	0.00	0.07	0.718	O					2.57
40.333	0.00	0.07	0.717	O					2.57
40.417	0.00	0.07	0.717	O					2.57
40.500	0.00	0.07	0.716	O					2.56
40.583	0.00	0.07	0.716	O					2.56
40.667	0.00	0.07	0.715	O					2.56
40.750	0.00	0.07	0.715	O					2.56
40.833	0.00	0.07	0.714	O					2.56
40.917	0.00	0.07	0.714	O					2.56
41.000	0.00	0.07	0.713	O					2.55
41.083	0.00	0.07	0.713	O					2.55
41.167	0.00	0.07	0.712	O					2.55
41.250	0.00	0.07	0.712	O					2.55
41.333	0.00	0.07	0.711	O					2.55
41.417	0.00	0.07	0.711	O					2.55
41.500	0.00	0.07	0.710	O					2.54
41.583	0.00	0.07	0.710	O					2.54
41.667	0.00	0.07	0.709	O					2.54
41.750	0.00	0.07	0.709	O					2.54
41.833	0.00	0.07	0.708	O					2.54
41.917	0.00	0.07	0.708	O					2.53
42.000	0.00	0.07	0.708	O					2.53
42.083	0.00	0.07	0.707	O					2.53
42.167	0.00	0.07	0.707	O					2.53
42.250	0.00	0.07	0.706	O					2.53
42.333	0.00	0.07	0.706	O					2.53
42.417	0.00	0.07	0.705	O					2.52
42.500	0.00	0.07	0.705	O					2.52
42.583	0.00	0.07	0.704	O					2.52
42.667	0.00	0.07	0.704	O					2.52
42.750	0.00	0.07	0.703	O					2.52

42.833	0.00	0.07	0.703	O				2.52
42.917	0.00	0.07	0.702	O				2.51
43.000	0.00	0.07	0.702	O				2.51
43.083	0.00	0.07	0.701	O				2.51
43.167	0.00	0.07	0.701	O				2.51
43.250	0.00	0.07	0.700	O				2.51
43.333	0.00	0.07	0.700	O				2.51
43.417	0.00	0.07	0.699	O				2.50
43.500	0.00	0.07	0.699	O				2.50
43.583	0.00	0.07	0.698	O				2.50
43.667	0.00	0.07	0.698	O				2.50
43.750	0.00	0.07	0.697	O				2.50
43.833	0.00	0.07	0.697	O				2.50
43.917	0.00	0.07	0.697	O				2.49
44.000	0.00	0.07	0.696	O				2.49
44.083	0.00	0.07	0.696	O				2.49
44.167	0.00	0.07	0.695	O				2.49
44.250	0.00	0.07	0.695	O				2.49
44.333	0.00	0.07	0.694	O				2.49
44.417	0.00	0.07	0.694	O				2.48
44.500	0.00	0.07	0.693	O				2.48
44.583	0.00	0.07	0.693	O				2.48
44.667	0.00	0.07	0.692	O				2.48
44.750	0.00	0.07	0.692	O				2.48
44.833	0.00	0.07	0.691	O				2.48
44.917	0.00	0.07	0.691	O				2.47
45.000	0.00	0.07	0.690	O				2.47
45.083	0.00	0.07	0.690	O				2.47
45.167	0.00	0.07	0.689	O				2.47
45.250	0.00	0.07	0.689	O				2.47
45.333	0.00	0.07	0.689	O				2.47
45.417	0.00	0.07	0.688	O				2.46
45.500	0.00	0.07	0.688	O				2.46
45.583	0.00	0.07	0.687	O				2.46
45.667	0.00	0.07	0.687	O				2.46
45.750	0.00	0.07	0.686	O				2.46
45.833	0.00	0.07	0.686	O				2.46
45.917	0.00	0.07	0.685	O				2.45
46.000	0.00	0.07	0.685	O				2.45
46.083	0.00	0.07	0.684	O				2.45
46.167	0.00	0.07	0.684	O				2.45
46.250	0.00	0.07	0.683	O				2.45
46.333	0.00	0.07	0.683	O				2.45
46.417	0.00	0.07	0.682	O				2.44
46.500	0.00	0.07	0.682	O				2.44
46.583	0.00	0.07	0.682	O				2.44
46.667	0.00	0.07	0.681	O				2.44
46.750	0.00	0.07	0.681	O				2.44
46.833	0.00	0.07	0.680	O				2.44
46.917	0.00	0.07	0.680	O				2.43
47.000	0.00	0.07	0.679	O				2.43
47.083	0.00	0.07	0.679	O				2.43
47.167	0.00	0.07	0.678	O				2.43
47.250	0.00	0.07	0.678	O				2.43
47.333	0.00	0.07	0.677	O				2.43
47.417	0.00	0.07	0.677	O				2.42
47.500	0.00	0.07	0.676	O				2.42
47.583	0.00	0.07	0.676	O				2.42
47.667	0.00	0.07	0.676	O				2.42
47.750	0.00	0.07	0.675	O				2.42
47.833	0.00	0.07	0.675	O				2.42
47.917	0.00	0.07	0.674	O				2.41
48.000	0.00	0.07	0.674	O				2.41
48.083	0.00	0.07	0.673	O				2.41
48.167	0.00	0.07	0.673	O				2.41
48.250	0.00	0.07	0.672	O				2.41
48.333	0.00	0.07	0.672	O				2.41
48.417	0.00	0.07	0.671	O				2.40
48.500	0.00	0.07	0.671	O				2.40
48.583	0.00	0.07	0.671	O				2.40
48.667	0.00	0.07	0.670	O				2.40
48.750	0.00	0.07	0.670	O				2.40
48.833	0.00	0.07	0.669	O				2.40

48.917	0.00	0.07	0.669	O					2.39
49.000	0.00	0.07	0.668	O					2.39
49.083	0.00	0.07	0.668	O					2.39
49.167	0.00	0.07	0.667	O					2.39
49.250	0.00	0.07	0.667	O					2.39
49.333	0.00	0.07	0.666	O					2.39
49.417	0.00	0.07	0.666	O					2.38
49.500	0.00	0.07	0.666	O					2.38
49.583	0.00	0.07	0.665	O					2.38
49.667	0.00	0.07	0.665	O					2.38
49.750	0.00	0.07	0.664	O					2.38
49.833	0.00	0.07	0.664	O					2.38
49.917	0.00	0.07	0.663	O					2.37
50.000	0.00	0.07	0.663	O					2.37
50.083	0.00	0.07	0.662	O					2.37
50.167	0.00	0.07	0.662	O					2.37
50.250	0.00	0.07	0.661	O					2.37
50.333	0.00	0.07	0.661	O					2.37
50.417	0.00	0.07	0.661	O					2.36
50.500	0.00	0.07	0.660	O					2.36
50.583	0.00	0.07	0.660	O					2.36
50.667	0.00	0.07	0.659	O					2.36
50.750	0.00	0.07	0.659	O					2.36
50.833	0.00	0.07	0.658	O					2.36
50.917	0.00	0.06	0.658	O					2.36
51.000	0.00	0.06	0.657	O					2.35
51.083	0.00	0.06	0.657	O					2.35
51.167	0.00	0.06	0.657	O					2.35
51.250	0.00	0.06	0.656	O					2.35
51.333	0.00	0.06	0.656	O					2.35
51.417	0.00	0.06	0.655	O					2.35
51.500	0.00	0.06	0.655	O					2.34
51.583	0.00	0.06	0.654	O					2.34
51.667	0.00	0.06	0.654	O					2.34
51.750	0.00	0.06	0.653	O					2.34
51.833	0.00	0.06	0.653	O					2.34
51.917	0.00	0.06	0.653	O					2.34
52.000	0.00	0.06	0.652	O					2.33
52.083	0.00	0.06	0.652	O					2.33
52.167	0.00	0.06	0.651	O					2.33
52.250	0.00	0.06	0.651	O					2.33
52.333	0.00	0.06	0.650	O					2.33
52.417	0.00	0.06	0.650	O					2.33
52.500	0.00	0.06	0.649	O					2.33
52.583	0.00	0.06	0.649	O					2.32
52.667	0.00	0.06	0.649	O					2.32
52.750	0.00	0.06	0.648	O					2.32
52.833	0.00	0.06	0.648	O					2.32
52.917	0.00	0.06	0.647	O					2.32
53.000	0.00	0.06	0.647	O					2.32
53.083	0.00	0.06	0.646	O					2.31
53.167	0.00	0.06	0.646	O					2.31
53.250	0.00	0.06	0.645	O					2.31
53.333	0.00	0.06	0.645	O					2.31
53.417	0.00	0.06	0.645	O					2.31
53.500	0.00	0.06	0.644	O					2.31
53.583	0.00	0.06	0.644	O					2.30
53.667	0.00	0.06	0.643	O					2.30
53.750	0.00	0.06	0.643	O					2.30
53.833	0.00	0.06	0.642	O					2.30
53.917	0.00	0.06	0.642	O					2.30
54.000	0.00	0.06	0.642	O					2.30
54.083	0.00	0.06	0.641	O					2.30
54.167	0.00	0.06	0.641	O					2.29
54.250	0.00	0.06	0.640	O					2.29
54.333	0.00	0.06	0.640	O					2.29
54.417	0.00	0.06	0.639	O					2.29
54.500	0.00	0.06	0.639	O					2.29
54.583	0.00	0.06	0.638	O					2.29
54.667	0.00	0.06	0.638	O					2.28
54.750	0.00	0.06	0.638	O					2.28
54.833	0.00	0.06	0.637	O					2.28
54.917	0.00	0.06	0.637	O					2.28

55.000	0.00	0.06	0.636	O					2.28
55.083	0.00	0.06	0.636	O					2.28
55.167	0.00	0.06	0.635	O					2.27
55.250	0.00	0.06	0.635	O					2.27
55.333	0.00	0.06	0.635	O					2.27
55.417	0.00	0.06	0.634	O					2.27
55.500	0.00	0.06	0.634	O					2.27
55.583	0.00	0.06	0.633	O					2.27
55.667	0.00	0.06	0.633	O					2.27
55.750	0.00	0.06	0.632	O					2.26
55.833	0.00	0.06	0.632	O					2.26
55.917	0.00	0.06	0.632	O					2.26
56.000	0.00	0.06	0.631	O					2.26
56.083	0.00	0.06	0.631	O					2.26
56.167	0.00	0.06	0.630	O					2.26
56.250	0.00	0.06	0.630	O					2.25
56.333	0.00	0.06	0.629	O					2.25
56.417	0.00	0.06	0.629	O					2.25
56.500	0.00	0.06	0.629	O					2.25
56.583	0.00	0.06	0.628	O					2.25
56.667	0.00	0.06	0.628	O					2.25
56.750	0.00	0.06	0.627	O					2.25
56.833	0.00	0.06	0.627	O					2.24
56.917	0.00	0.06	0.626	O					2.24
57.000	0.00	0.06	0.626	O					2.24
57.083	0.00	0.06	0.626	O					2.24
57.167	0.00	0.06	0.625	O					2.24
57.250	0.00	0.06	0.625	O					2.24
57.333	0.00	0.06	0.624	O					2.24
57.417	0.00	0.06	0.624	O					2.23
57.500	0.00	0.06	0.623	O					2.23
57.583	0.00	0.06	0.623	O					2.23
57.667	0.00	0.06	0.623	O					2.23
57.750	0.00	0.06	0.622	O					2.23
57.833	0.00	0.06	0.622	O					2.23
57.917	0.00	0.06	0.621	O					2.22
58.000	0.00	0.06	0.621	O					2.22
58.083	0.00	0.06	0.620	O					2.22
58.167	0.00	0.06	0.620	O					2.22
58.250	0.00	0.06	0.620	O					2.22
58.333	0.00	0.06	0.619	O					2.22
58.417	0.00	0.06	0.619	O					2.22
58.500	0.00	0.06	0.618	O					2.21
58.583	0.00	0.06	0.618	O					2.21
58.667	0.00	0.06	0.618	O					2.21
58.750	0.00	0.06	0.617	O					2.21
58.833	0.00	0.06	0.617	O					2.21
58.917	0.00	0.06	0.616	O					2.21
59.000	0.00	0.06	0.616	O					2.20
59.083	0.00	0.06	0.615	O					2.20
59.167	0.00	0.06	0.615	O					2.20
59.250	0.00	0.06	0.615	O					2.20
59.333	0.00	0.06	0.614	O					2.20
59.417	0.00	0.06	0.614	O					2.20
59.500	0.00	0.06	0.613	O					2.20
59.583	0.00	0.06	0.613	O					2.19
59.667	0.00	0.06	0.613	O					2.19
59.750	0.00	0.06	0.612	O					2.19
59.833	0.00	0.06	0.612	O					2.19
59.917	0.00	0.06	0.611	O					2.19
60.000	0.00	0.06	0.611	O					2.19
60.083	0.00	0.06	0.610	O					2.19
60.167	0.00	0.06	0.610	O					2.18
60.250	0.00	0.06	0.610	O					2.18
60.333	0.00	0.06	0.609	O					2.18
60.417	0.00	0.06	0.609	O					2.18
60.500	0.00	0.06	0.608	O					2.18
60.583	0.00	0.06	0.608	O					2.18
60.667	0.00	0.06	0.608	O					2.18
60.750	0.00	0.06	0.607	O					2.17
60.833	0.00	0.06	0.607	O					2.17
60.917	0.00	0.06	0.606	O					2.17
61.000	0.00	0.06	0.606	O					2.17

61.083	0.00	0.06	0.605	O					2.17
61.167	0.00	0.06	0.605	O					2.17
61.250	0.00	0.06	0.605	O					2.16
61.333	0.00	0.06	0.604	O					2.16
61.417	0.00	0.06	0.604	O					2.16
61.500	0.00	0.06	0.603	O					2.16
61.583	0.00	0.06	0.603	O					2.16
61.667	0.00	0.06	0.603	O					2.16
61.750	0.00	0.06	0.602	O					2.16
61.833	0.00	0.06	0.602	O					2.15
61.917	0.00	0.06	0.601	O					2.15
62.000	0.00	0.06	0.601	O					2.15
62.083	0.00	0.06	0.601	O					2.15
62.167	0.00	0.06	0.600	O					2.15
62.250	0.00	0.06	0.600	O					2.15
62.333	0.00	0.06	0.599	O					2.15
62.417	0.00	0.06	0.599	O					2.14
62.500	0.00	0.06	0.599	O					2.14
62.583	0.00	0.06	0.598	O					2.14
62.667	0.00	0.06	0.598	O					2.14
62.750	0.00	0.06	0.597	O					2.14
62.833	0.00	0.06	0.597	O					2.14
62.917	0.00	0.06	0.596	O					2.14
63.000	0.00	0.06	0.596	O					2.13
63.083	0.00	0.06	0.596	O					2.13
63.167	0.00	0.06	0.595	O					2.13
63.250	0.00	0.06	0.595	O					2.13
63.333	0.00	0.06	0.594	O					2.13
63.417	0.00	0.06	0.594	O					2.13
63.500	0.00	0.06	0.594	O					2.13
63.583	0.00	0.06	0.593	O					2.12
63.667	0.00	0.06	0.593	O					2.12
63.750	0.00	0.06	0.592	O					2.12
63.833	0.00	0.06	0.592	O					2.12
63.917	0.00	0.06	0.592	O					2.12
64.000	0.00	0.06	0.591	O					2.12
64.083	0.00	0.06	0.591	O					2.12
64.167	0.00	0.06	0.590	O					2.11
64.250	0.00	0.06	0.590	O					2.11
64.333	0.00	0.06	0.590	O					2.11
64.417	0.00	0.06	0.589	O					2.11
64.500	0.00	0.06	0.589	O					2.11
64.583	0.00	0.06	0.588	O					2.11
64.667	0.00	0.06	0.588	O					2.11
64.750	0.00	0.06	0.588	O					2.10
64.833	0.00	0.06	0.587	O					2.10
64.917	0.00	0.06	0.587	O					2.10
65.000	0.00	0.06	0.586	O					2.10
65.083	0.00	0.06	0.586	O					2.10
65.167	0.00	0.06	0.586	O					2.10
65.250	0.00	0.06	0.585	O					2.10
65.333	0.00	0.06	0.585	O					2.09
65.417	0.00	0.06	0.584	O					2.09
65.500	0.00	0.06	0.584	O					2.09
65.583	0.00	0.06	0.584	O					2.09
65.667	0.00	0.06	0.583	O					2.09
65.750	0.00	0.06	0.583	O					2.09
65.833	0.00	0.06	0.582	O					2.09
65.917	0.00	0.06	0.582	O					2.08
66.000	0.00	0.06	0.582	O					2.08
66.083	0.00	0.06	0.581	O					2.08
66.167	0.00	0.06	0.581	O					2.08
66.250	0.00	0.06	0.580	O					2.08
66.333	0.00	0.06	0.580	O					2.08
66.417	0.00	0.06	0.580	O					2.08
66.500	0.00	0.06	0.579	O					2.07
66.583	0.00	0.06	0.579	O					2.07
66.667	0.00	0.06	0.578	O					2.07
66.750	0.00	0.06	0.578	O					2.07
66.833	0.00	0.06	0.578	O					2.07
66.917	0.00	0.06	0.577	O					2.07
67.000	0.00	0.06	0.577	O					2.07
67.083	0.00	0.06	0.577	O					2.06

67.167	0.00	0.06	0.576	O				2.06
67.250	0.00	0.06	0.576	O				2.06
67.333	0.00	0.06	0.575	O				2.06
67.417	0.00	0.06	0.575	O				2.06
67.500	0.00	0.06	0.575	O				2.06
67.583	0.00	0.06	0.574	O				2.06
67.667	0.00	0.06	0.574	O				2.05
67.750	0.00	0.06	0.573	O				2.05
67.833	0.00	0.06	0.573	O				2.05
67.917	0.00	0.06	0.573	O				2.05
68.000	0.00	0.06	0.572	O				2.05
68.083	0.00	0.06	0.572	O				2.05
68.167	0.00	0.06	0.571	O				2.05
68.250	0.00	0.06	0.571	O				2.04
68.333	0.00	0.06	0.571	O				2.04
68.417	0.00	0.06	0.570	O				2.04
68.500	0.00	0.06	0.570	O				2.04
68.583	0.00	0.06	0.570	O				2.04
68.667	0.00	0.06	0.569	O				2.04
68.750	0.00	0.06	0.569	O				2.04
68.833	0.00	0.06	0.568	O				2.03
68.917	0.00	0.06	0.568	O				2.03
69.000	0.00	0.06	0.568	O				2.03
69.083	0.00	0.06	0.567	O				2.03
69.167	0.00	0.06	0.567	O				2.03
69.250	0.00	0.06	0.566	O				2.03
69.333	0.00	0.06	0.566	O				2.03
69.417	0.00	0.06	0.566	O				2.03
69.500	0.00	0.06	0.565	O				2.02
69.583	0.00	0.06	0.565	O				2.02
69.667	0.00	0.06	0.564	O				2.02
69.750	0.00	0.06	0.564	O				2.02
69.833	0.00	0.06	0.564	O				2.02
69.917	0.00	0.06	0.563	O				2.02
70.000	0.00	0.06	0.563	O				2.02
70.083	0.00	0.06	0.563	O				2.01
70.167	0.00	0.06	0.562	O				2.01
70.250	0.00	0.06	0.562	O				2.01
70.333	0.00	0.06	0.561	O				2.01
70.417	0.00	0.06	0.561	O				2.01
70.500	0.00	0.06	0.561	O				2.01
70.583	0.00	0.06	0.560	O				2.01
70.667	0.00	0.06	0.560	O				2.00
70.750	0.00	0.06	0.560	O				2.00
70.833	0.00	0.06	0.559	O				2.00
70.917	0.00	0.06	0.559	O				2.00
71.000	0.00	0.06	0.558	O				2.00
71.083	0.00	0.06	0.558	O				2.00
71.167	0.00	0.06	0.558	O				2.00
71.250	0.00	0.06	0.557	O				2.00
71.333	0.00	0.05	0.557	O				1.99
71.417	0.00	0.05	0.556	O				1.99
71.500	0.00	0.05	0.556	O				1.99
71.583	0.00	0.05	0.556	O				1.99
71.667	0.00	0.05	0.555	O				1.99
71.750	0.00	0.05	0.555	O				1.99
71.833	0.00	0.05	0.555	O				1.99
71.917	0.00	0.05	0.554	O				1.98
72.000	0.00	0.05	0.554	O				1.98
72.083	0.00	0.05	0.553	O				1.98
72.167	0.00	0.05	0.553	O				1.98
72.250	0.00	0.05	0.553	O				1.98
72.333	0.00	0.05	0.552	O				1.98
72.417	0.00	0.05	0.552	O				1.98
72.500	0.00	0.05	0.552	O				1.97
72.583	0.00	0.05	0.551	O				1.97
72.667	0.00	0.05	0.551	O				1.97
72.750	0.00	0.05	0.550	O				1.97
72.833	0.00	0.05	0.550	O				1.97
72.917	0.00	0.05	0.550	O				1.97
73.000	0.00	0.05	0.549	O				1.97
73.083	0.00	0.05	0.549	O				1.97
73.167	0.00	0.05	0.549	O				1.96

73.250	0.00	0.05	0.548	O				1.96
73.333	0.00	0.05	0.548	O				1.96
73.417	0.00	0.05	0.547	O				1.96
73.500	0.00	0.05	0.547	O				1.96
73.583	0.00	0.05	0.547	O				1.96
73.667	0.00	0.05	0.546	O				1.96
73.750	0.00	0.05	0.546	O				1.95
73.833	0.00	0.05	0.546	O				1.95
73.917	0.00	0.05	0.545	O				1.95
74.000	0.00	0.05	0.545	O				1.95
74.083	0.00	0.05	0.545	O				1.95
74.167	0.00	0.05	0.544	O				1.95
74.250	0.00	0.05	0.544	O				1.95
74.333	0.00	0.05	0.543	O				1.95
74.417	0.00	0.05	0.543	O				1.94
74.500	0.00	0.05	0.543	O				1.94
74.583	0.00	0.05	0.542	O				1.94
74.667	0.00	0.05	0.542	O				1.94
74.750	0.00	0.05	0.542	O				1.94
74.833	0.00	0.05	0.541	O				1.94
74.917	0.00	0.05	0.541	O				1.94
75.000	0.00	0.05	0.540	O				1.93
75.083	0.00	0.05	0.540	O				1.93
75.167	0.00	0.05	0.540	O				1.93
75.250	0.00	0.05	0.539	O				1.93
75.333	0.00	0.05	0.539	O				1.93
75.417	0.00	0.05	0.539	O				1.93
75.500	0.00	0.05	0.538	O				1.93
75.583	0.00	0.05	0.538	O				1.93
75.667	0.00	0.05	0.538	O				1.92
75.750	0.00	0.05	0.537	O				1.92
75.833	0.00	0.05	0.537	O				1.92
75.917	0.00	0.05	0.536	O				1.92
76.000	0.00	0.05	0.536	O				1.92
76.083	0.00	0.05	0.536	O				1.92
76.167	0.00	0.05	0.535	O				1.92
76.250	0.00	0.05	0.535	O				1.92
76.333	0.00	0.05	0.535	O				1.91
76.417	0.00	0.05	0.534	O				1.91
76.500	0.00	0.05	0.534	O				1.91
76.583	0.00	0.05	0.534	O				1.91
76.667	0.00	0.05	0.533	O				1.91
76.750	0.00	0.05	0.533	O				1.91
76.833	0.00	0.05	0.532	O				1.91
76.917	0.00	0.05	0.532	O				1.90
77.000	0.00	0.05	0.532	O				1.90
77.083	0.00	0.05	0.531	O				1.90
77.167	0.00	0.05	0.531	O				1.90
77.250	0.00	0.05	0.531	O				1.90
77.333	0.00	0.05	0.530	O				1.90
77.417	0.00	0.05	0.530	O				1.90
77.500	0.00	0.05	0.530	O				1.90
77.583	0.00	0.05	0.529	O				1.89
77.667	0.00	0.05	0.529	O				1.89
77.750	0.00	0.05	0.528	O				1.89
77.833	0.00	0.05	0.528	O				1.89
77.917	0.00	0.05	0.528	O				1.89
78.000	0.00	0.05	0.527	O				1.89
78.083	0.00	0.05	0.527	O				1.89
78.167	0.00	0.05	0.527	O				1.89
78.250	0.00	0.05	0.526	O				1.88
78.333	0.00	0.05	0.526	O				1.88
78.417	0.00	0.05	0.526	O				1.88
78.500	0.00	0.05	0.525	O				1.88
78.583	0.00	0.05	0.525	O				1.88
78.667	0.00	0.05	0.525	O				1.88
78.750	0.00	0.05	0.524	O				1.88
78.833	0.00	0.05	0.524	O				1.88
78.917	0.00	0.05	0.523	O				1.87
79.000	0.00	0.05	0.523	O				1.87
79.083	0.00	0.05	0.523	O				1.87
79.167	0.00	0.05	0.522	O				1.87
79.250	0.00	0.05	0.522	O				1.87

79.333	0.00	0.05	0.522	O				1.87
79.417	0.00	0.05	0.521	O				1.87
79.500	0.00	0.05	0.521	O				1.87
79.583	0.00	0.05	0.521	O				1.86
79.667	0.00	0.05	0.520	O				1.86
79.750	0.00	0.05	0.520	O				1.86
79.833	0.00	0.05	0.520	O				1.86
79.917	0.00	0.05	0.519	O				1.86
80.000	0.00	0.05	0.519	O				1.86
80.083	0.00	0.05	0.518	O				1.86
80.167	0.00	0.05	0.518	O				1.86
80.250	0.00	0.05	0.518	O				1.85
80.333	0.00	0.05	0.517	O				1.85
80.417	0.00	0.05	0.517	O				1.85
80.500	0.00	0.05	0.517	O				1.85
80.583	0.00	0.05	0.516	O				1.85
80.667	0.00	0.05	0.516	O				1.85
80.750	0.00	0.05	0.516	O				1.85
80.833	0.00	0.05	0.515	O				1.84
80.917	0.00	0.05	0.515	O				1.84
81.000	0.00	0.05	0.515	O				1.84
81.083	0.00	0.05	0.514	O				1.84
81.167	0.00	0.05	0.514	O				1.84
81.250	0.00	0.05	0.514	O				1.84
81.333	0.00	0.05	0.513	O				1.84
81.417	0.00	0.05	0.513	O				1.84
81.500	0.00	0.05	0.513	O				1.83
81.583	0.00	0.05	0.512	O				1.83
81.667	0.00	0.05	0.512	O				1.83
81.750	0.00	0.05	0.511	O				1.83
81.833	0.00	0.05	0.511	O				1.83
81.917	0.00	0.05	0.511	O				1.83
82.000	0.00	0.05	0.510	O				1.83
82.083	0.00	0.05	0.510	O				1.83
82.167	0.00	0.05	0.510	O				1.83
82.250	0.00	0.05	0.509	O				1.82
82.333	0.00	0.05	0.509	O				1.82
82.417	0.00	0.05	0.509	O				1.82
82.500	0.00	0.05	0.508	O				1.82
82.583	0.00	0.05	0.508	O				1.82
82.667	0.00	0.05	0.508	O				1.82
82.750	0.00	0.05	0.507	O				1.82
82.833	0.00	0.05	0.507	O				1.82
82.917	0.00	0.05	0.507	O				1.81
83.000	0.00	0.05	0.506	O				1.81
83.083	0.00	0.05	0.506	O				1.81
83.167	0.00	0.05	0.506	O				1.81
83.250	0.00	0.05	0.505	O				1.81
83.333	0.00	0.05	0.505	O				1.81
83.417	0.00	0.05	0.505	O				1.81
83.500	0.00	0.05	0.504	O				1.81
83.583	0.00	0.05	0.504	O				1.80
83.667	0.00	0.05	0.504	O				1.80
83.750	0.00	0.05	0.503	O				1.80
83.833	0.00	0.05	0.503	O				1.80
83.917	0.00	0.05	0.503	O				1.80
84.000	0.00	0.05	0.502	O				1.80
84.083	0.00	0.05	0.502	O				1.80
84.167	0.00	0.05	0.501	O				1.80
84.250	0.00	0.05	0.501	O				1.79
84.333	0.00	0.05	0.501	O				1.79
84.417	0.00	0.05	0.500	O				1.79
84.500	0.00	0.05	0.500	O				1.79
84.583	0.00	0.05	0.500	O				1.79
84.667	0.00	0.05	0.499	O				1.79
84.750	0.00	0.05	0.499	O				1.79
84.833	0.00	0.05	0.499	O				1.79
84.917	0.00	0.05	0.498	O				1.78
85.000	0.00	0.05	0.498	O				1.78
85.083	0.00	0.05	0.498	O				1.78
85.167	0.00	0.05	0.497	O				1.78
85.250	0.00	0.05	0.497	O				1.78
85.333	0.00	0.05	0.497	O				1.78

85.417	0.00	0.05	0.496	O					1.78
85.500	0.00	0.05	0.496	O					1.78
85.583	0.00	0.05	0.496	O					1.77
85.667	0.00	0.05	0.495	O					1.77
85.750	0.00	0.05	0.495	O					1.77
85.833	0.00	0.05	0.495	O					1.77
85.917	0.00	0.05	0.494	O					1.77
86.000	0.00	0.05	0.494	O					1.77
86.083	0.00	0.05	0.494	O					1.77
86.167	0.00	0.05	0.493	O					1.77
86.250	0.00	0.05	0.493	O					1.77
86.333	0.00	0.05	0.493	O					1.76
86.417	0.00	0.05	0.492	O					1.76
86.500	0.00	0.05	0.492	O					1.76
86.583	0.00	0.05	0.492	O					1.76
86.667	0.00	0.05	0.491	O					1.76
86.750	0.00	0.05	0.491	O					1.76
86.833	0.00	0.05	0.491	O					1.76
86.917	0.00	0.05	0.490	O					1.76
87.000	0.00	0.05	0.490	O					1.75
87.083	0.00	0.05	0.490	O					1.75
87.167	0.00	0.05	0.489	O					1.75
87.250	0.00	0.05	0.489	O					1.75
87.333	0.00	0.05	0.489	O					1.75
87.417	0.00	0.05	0.488	O					1.75
87.500	0.00	0.05	0.488	O					1.75
87.583	0.00	0.05	0.488	O					1.75
87.667	0.00	0.05	0.487	O					1.74
87.750	0.00	0.05	0.487	O					1.74
87.833	0.00	0.05	0.487	O					1.74
87.917	0.00	0.05	0.486	O					1.74
88.000	0.00	0.05	0.486	O					1.74
88.083	0.00	0.05	0.486	O					1.74
88.167	0.00	0.05	0.485	O					1.74
88.250	0.00	0.05	0.485	O					1.74
88.333	0.00	0.05	0.485	O					1.74
88.417	0.00	0.05	0.484	O					1.73
88.500	0.00	0.05	0.484	O					1.73
88.583	0.00	0.05	0.484	O					1.73
88.667	0.00	0.05	0.483	O					1.73
88.750	0.00	0.05	0.483	O					1.73
88.833	0.00	0.05	0.483	O					1.73
88.917	0.00	0.05	0.482	O					1.73
89.000	0.00	0.05	0.482	O					1.73
89.083	0.00	0.05	0.482	O					1.72
89.167	0.00	0.05	0.481	O					1.72
89.250	0.00	0.05	0.481	O					1.72
89.333	0.00	0.05	0.481	O					1.72
89.417	0.00	0.05	0.480	O					1.72
89.500	0.00	0.05	0.480	O					1.72
89.583	0.00	0.05	0.480	O					1.72
89.667	0.00	0.05	0.479	O					1.72
89.750	0.00	0.05	0.479	O					1.72
89.833	0.00	0.05	0.479	O					1.71
89.917	0.00	0.05	0.478	O					1.71
90.000	0.00	0.05	0.478	O					1.71
90.083	0.00	0.05	0.478	O					1.71
90.167	0.00	0.05	0.478	O					1.71
90.250	0.00	0.05	0.477	O					1.71
90.333	0.00	0.05	0.477	O					1.71
90.417	0.00	0.05	0.477	O					1.71
90.500	0.00	0.05	0.476	O					1.70
90.583	0.00	0.05	0.476	O					1.70
90.667	0.00	0.05	0.476	O					1.70
90.750	0.00	0.05	0.475	O					1.70
90.833	0.00	0.05	0.475	O					1.70
90.917	0.00	0.05	0.475	O					1.70
91.000	0.00	0.05	0.474	O					1.70
91.083	0.00	0.05	0.474	O					1.70
91.167	0.00	0.05	0.474	O					1.70
91.250	0.00	0.05	0.473	O					1.69
91.333	0.00	0.05	0.473	O					1.69
91.417	0.00	0.05	0.473	O					1.69

91.500	0.00	0.05	0.472	O	|	|	|	|	1.69
91.583	0.00	0.05	0.472	O	|	|	|	|	1.69
91.667	0.00	0.05	0.472	O	|	|	|	|	1.69
91.750	0.00	0.05	0.471	O	|	|	|	|	1.69
91.833	0.00	0.05	0.471	O	|	|	|	|	1.69
91.917	0.00	0.05	0.471	O	|	|	|	|	1.69
92.000	0.00	0.05	0.470	O	|	|	|	|	1.68
92.083	0.00	0.05	0.470	O	|	|	|	|	1.68
92.167	0.00	0.05	0.470	O	|	|	|	|	1.68
92.250	0.00	0.05	0.469	O	|	|	|	|	1.68
92.333	0.00	0.05	0.469	O	|	|	|	|	1.68
92.417	0.00	0.05	0.469	O	|	|	|	|	1.68
92.500	0.00	0.05	0.469	O	|	|	|	|	1.68
92.583	0.00	0.05	0.468	O	|	|	|	|	1.68
92.667	0.00	0.05	0.468	O	|	|	|	|	1.68
92.750	0.00	0.05	0.468	O	|	|	|	|	1.67
92.833	0.00	0.05	0.467	O	|	|	|	|	1.67
92.917	0.00	0.05	0.467	O	|	|	|	|	1.67
93.000	0.00	0.05	0.467	O	|	|	|	|	1.67
93.083	0.00	0.05	0.466	O	|	|	|	|	1.67
93.167	0.00	0.05	0.466	O	|	|	|	|	1.67
93.250	0.00	0.05	0.466	O	|	|	|	|	1.67
93.333	0.00	0.05	0.465	O	|	|	|	|	1.67
93.417	0.00	0.05	0.465	O	|	|	|	|	1.66
93.500	0.00	0.05	0.465	O	|	|	|	|	1.66
93.583	0.00	0.05	0.464	O	|	|	|	|	1.66
93.667	0.00	0.05	0.464	O	|	|	|	|	1.66
93.750	0.00	0.05	0.464	O	|	|	|	|	1.66
93.833	0.00	0.05	0.463	O	|	|	|	|	1.66
93.917	0.00	0.05	0.463	O	|	|	|	|	1.66
94.000	0.00	0.05	0.463	O	|	|	|	|	1.66
94.083	0.00	0.05	0.462	O	|	|	|	|	1.66
94.167	0.00	0.05	0.462	O	|	|	|	|	1.65
94.250	0.00	0.05	0.462	O	|	|	|	|	1.65
94.333	0.00	0.05	0.462	O	|	|	|	|	1.65
94.417	0.00	0.05	0.461	O	|	|	|	|	1.65
94.500	0.00	0.05	0.461	O	|	|	|	|	1.65
94.583	0.00	0.05	0.461	O	|	|	|	|	1.65
94.667	0.00	0.05	0.460	O	|	|	|	|	1.65
94.750	0.00	0.05	0.460	O	|	|	|	|	1.65
94.833	0.00	0.05	0.460	O	|	|	|	|	1.65
94.917	0.00	0.05	0.459	O	|	|	|	|	1.64
95.000	0.00	0.05	0.459	O	|	|	|	|	1.64
95.083	0.00	0.05	0.459	O	|	|	|	|	1.64
95.167	0.00	0.05	0.458	O	|	|	|	|	1.64
95.250	0.00	0.05	0.458	O	|	|	|	|	1.64
95.333	0.00	0.05	0.458	O	|	|	|	|	1.64
95.417	0.00	0.05	0.457	O	|	|	|	|	1.64
95.500	0.00	0.05	0.457	O	|	|	|	|	1.64
95.583	0.00	0.05	0.457	O	|	|	|	|	1.64
95.667	0.00	0.05	0.457	O	|	|	|	|	1.63
95.750	0.00	0.05	0.456	O	|	|	|	|	1.63
95.833	0.00	0.05	0.456	O	|	|	|	|	1.63
95.917	0.00	0.05	0.456	O	|	|	|	|	1.63
96.000	0.00	0.04	0.455	O	|	|	|	|	1.63
96.083	0.00	0.04	0.455	O	|	|	|	|	1.63
96.167	0.00	0.04	0.455	O	|	|	|	|	1.63
96.250	0.00	0.04	0.454	O	|	|	|	|	1.63
96.333	0.00	0.04	0.454	O	|	|	|	|	1.63
96.417	0.00	0.04	0.454	O	|	|	|	|	1.62
96.500	0.00	0.04	0.453	O	|	|	|	|	1.62
96.583	0.00	0.04	0.453	O	|	|	|	|	1.62
96.667	0.00	0.04	0.453	O	|	|	|	|	1.62
96.750	0.00	0.04	0.453	O	|	|	|	|	1.62
96.833	0.00	0.04	0.452	O	|	|	|	|	1.62
96.917	0.00	0.04	0.452	O	|	|	|	|	1.62
97.000	0.00	0.04	0.452	O	|	|	|	|	1.62
97.083	0.00	0.04	0.451	O	|	|	|	|	1.62
97.167	0.00	0.04	0.451	O	|	|	|	|	1.61
97.250	0.00	0.04	0.451	O	|	|	|	|	1.61
97.333	0.00	0.04	0.450	O	|	|	|	|	1.61
97.417	0.00	0.04	0.450	O	|	|	|	|	1.61
97.500	0.00	0.04	0.450	O	|	|	|	|	1.61

97.583	0.00	0.04	0.449	O					1.61
97.667	0.00	0.04	0.449	O					1.61
97.750	0.00	0.04	0.449	O					1.61
97.833	0.00	0.04	0.449	O					1.61
97.917	0.00	0.04	0.448	O					1.60
98.000	0.00	0.04	0.448	O					1.60
98.083	0.00	0.04	0.448	O					1.60
98.167	0.00	0.04	0.447	O					1.60
98.250	0.00	0.04	0.447	O					1.60
98.333	0.00	0.04	0.447	O					1.60
98.417	0.00	0.04	0.446	O					1.60
98.500	0.00	0.04	0.446	O					1.60
98.583	0.00	0.04	0.446	O					1.60
98.667	0.00	0.04	0.446	O					1.60
98.750	0.00	0.04	0.445	O					1.59
98.833	0.00	0.04	0.445	O					1.59
98.917	0.00	0.04	0.445	O					1.59
99.000	0.00	0.04	0.444	O					1.59
99.083	0.00	0.04	0.444	O					1.59
99.167	0.00	0.04	0.444	O					1.59
99.250	0.00	0.04	0.443	O					1.59
99.333	0.00	0.04	0.443	O					1.59
99.417	0.00	0.04	0.443	O					1.59
99.500	0.00	0.04	0.442	O					1.58
99.583	0.00	0.04	0.442	O					1.58
99.667	0.00	0.04	0.442	O					1.58
99.750	0.00	0.04	0.442	O					1.58
99.833	0.00	0.04	0.441	O					1.58
99.917	0.00	0.04	0.441	O					1.58
100.000	0.00	0.04	0.441	O					1.58
100.083	0.00	0.04	0.440	O					1.58
100.167	0.00	0.04	0.440	O					1.58
100.250	0.00	0.04	0.440	O					1.57
100.333	0.00	0.04	0.439	O					1.57
100.417	0.00	0.04	0.439	O					1.57
100.500	0.00	0.04	0.439	O					1.57
100.583	0.00	0.04	0.439	O					1.57
100.667	0.00	0.04	0.438	O					1.57
100.750	0.00	0.04	0.438	O					1.57
100.833	0.00	0.04	0.438	O					1.57
100.917	0.00	0.04	0.437	O					1.57
101.000	0.00	0.04	0.437	O					1.56
101.083	0.00	0.04	0.437	O					1.56
101.167	0.00	0.04	0.437	O					1.56
101.250	0.00	0.04	0.436	O					1.56
101.333	0.00	0.04	0.436	O					1.56
101.417	0.00	0.04	0.436	O					1.56
101.500	0.00	0.04	0.435	O					1.56
101.583	0.00	0.04	0.435	O					1.56
101.667	0.00	0.04	0.435	O					1.56
101.750	0.00	0.04	0.434	O					1.56
101.833	0.00	0.04	0.434	O					1.55
101.917	0.00	0.04	0.434	O					1.55
102.000	0.00	0.04	0.434	O					1.55
102.083	0.00	0.04	0.433	O					1.55
102.167	0.00	0.04	0.433	O					1.55
102.250	0.00	0.04	0.433	O					1.55
102.333	0.00	0.04	0.432	O					1.55
102.417	0.00	0.04	0.432	O					1.55
102.500	0.00	0.04	0.432	O					1.55
102.583	0.00	0.04	0.431	O					1.54
102.667	0.00	0.04	0.431	O					1.54
102.750	0.00	0.04	0.431	O					1.54
102.833	0.00	0.04	0.431	O					1.54
102.917	0.00	0.04	0.430	O					1.54
103.000	0.00	0.04	0.430	O					1.54
103.083	0.00	0.04	0.430	O					1.54
103.167	0.00	0.04	0.429	O					1.54
103.250	0.00	0.04	0.429	O					1.54
103.333	0.00	0.04	0.429	O					1.54
103.417	0.00	0.04	0.429	O					1.53
103.500	0.00	0.04	0.428	O					1.53
103.583	0.00	0.04	0.428	O					1.53

103.667	0.00	0.04	0.428	O					1.53
103.750	0.00	0.04	0.427	O					1.53
103.833	0.00	0.04	0.427	O					1.53
103.917	0.00	0.04	0.427	O					1.53
104.000	0.00	0.04	0.427	O					1.53
104.083	0.00	0.04	0.426	O					1.53
104.167	0.00	0.04	0.426	O					1.53
104.250	0.00	0.04	0.426	O					1.52
104.333	0.00	0.04	0.425	O					1.52
104.417	0.00	0.04	0.425	O					1.52
104.500	0.00	0.04	0.425	O					1.52
104.583	0.00	0.04	0.425	O					1.52
104.667	0.00	0.04	0.424	O					1.52
104.750	0.00	0.04	0.424	O					1.52
104.833	0.00	0.04	0.424	O					1.52
104.917	0.00	0.04	0.423	O					1.52
105.000	0.00	0.04	0.423	O					1.51
105.083	0.00	0.04	0.423	O					1.51
105.167	0.00	0.04	0.422	O					1.51
105.250	0.00	0.04	0.422	O					1.51
105.333	0.00	0.04	0.422	O					1.51
105.417	0.00	0.04	0.422	O					1.51
105.500	0.00	0.04	0.421	O					1.51
105.583	0.00	0.04	0.421	O					1.51
105.667	0.00	0.04	0.421	O					1.51
105.750	0.00	0.04	0.420	O					1.51
105.833	0.00	0.04	0.420	O					1.50
105.917	0.00	0.04	0.420	O					1.50
106.000	0.00	0.04	0.420	O					1.50
106.083	0.00	0.04	0.419	O					1.50
106.167	0.00	0.04	0.419	O					1.50
106.250	0.00	0.04	0.419	O					1.50
106.333	0.00	0.04	0.418	O					1.50
106.417	0.00	0.04	0.418	O					1.50
106.500	0.00	0.04	0.418	O					1.50
106.583	0.00	0.04	0.418	O					1.50
106.667	0.00	0.04	0.417	O					1.49
106.750	0.00	0.04	0.417	O					1.49
106.833	0.00	0.04	0.417	O					1.49
106.917	0.00	0.04	0.416	O					1.49
107.000	0.00	0.04	0.416	O					1.49
107.083	0.00	0.04	0.416	O					1.49
107.167	0.00	0.04	0.416	O					1.49
107.250	0.00	0.04	0.415	O					1.49
107.333	0.00	0.04	0.415	O					1.49
107.417	0.00	0.04	0.415	O					1.49
107.500	0.00	0.04	0.415	O					1.48
107.583	0.00	0.04	0.414	O					1.48
107.667	0.00	0.04	0.414	O					1.48
107.750	0.00	0.04	0.414	O					1.48
107.833	0.00	0.04	0.413	O					1.48
107.917	0.00	0.04	0.413	O					1.48
108.000	0.00	0.04	0.413	O					1.48
108.083	0.00	0.04	0.413	O					1.48
108.167	0.00	0.04	0.412	O					1.48
108.250	0.00	0.04	0.412	O					1.48
108.333	0.00	0.04	0.412	O					1.47
108.417	0.00	0.04	0.411	O					1.47
108.500	0.00	0.04	0.411	O					1.47
108.583	0.00	0.04	0.411	O					1.47
108.667	0.00	0.04	0.411	O					1.47
108.750	0.00	0.04	0.410	O					1.47
108.833	0.00	0.04	0.410	O					1.47
108.917	0.00	0.04	0.410	O					1.47
109.000	0.00	0.04	0.409	O					1.47
109.083	0.00	0.04	0.409	O					1.47
109.167	0.00	0.04	0.409	O					1.46
109.250	0.00	0.04	0.409	O					1.46
109.333	0.00	0.04	0.408	O					1.46
109.417	0.00	0.04	0.408	O					1.46
109.500	0.00	0.04	0.408	O					1.46
109.583	0.00	0.04	0.408	O					1.46
109.667	0.00	0.04	0.407	O					1.46

109.750	0.00	0.04	0.407	O	|	|	|	|	1.46
109.833	0.00	0.04	0.407	O	|	|	|	|	1.46
109.917	0.00	0.04	0.406	O	|	|	|	|	1.46
110.000	0.00	0.04	0.406	O	|	|	|	|	1.45
110.083	0.00	0.04	0.406	O	|	|	|	|	1.45
110.167	0.00	0.04	0.406	O	|	|	|	|	1.45
110.250	0.00	0.04	0.405	O	|	|	|	|	1.45
110.333	0.00	0.04	0.405	O	|	|	|	|	1.45
110.417	0.00	0.04	0.405	O	|	|	|	|	1.45
110.500	0.00	0.04	0.404	O	|	|	|	|	1.45
110.583	0.00	0.04	0.404	O	|	|	|	|	1.45
110.667	0.00	0.04	0.404	O	|	|	|	|	1.45
110.750	0.00	0.04	0.404	O	|	|	|	|	1.45
110.833	0.00	0.04	0.403	O	|	|	|	|	1.44
110.917	0.00	0.04	0.403	O	|	|	|	|	1.44
111.000	0.00	0.04	0.403	O	|	|	|	|	1.44
111.083	0.00	0.04	0.403	O	|	|	|	|	1.44
111.167	0.00	0.04	0.402	O	|	|	|	|	1.44
111.250	0.00	0.04	0.402	O	|	|	|	|	1.44
111.333	0.00	0.04	0.402	O	|	|	|	|	1.44
111.417	0.00	0.04	0.401	O	|	|	|	|	1.44
111.500	0.00	0.04	0.401	O	|	|	|	|	1.44
111.583	0.00	0.04	0.401	O	|	|	|	|	1.44
111.667	0.00	0.04	0.401	O	|	|	|	|	1.43
111.750	0.00	0.04	0.400	O	|	|	|	|	1.43
111.833	0.00	0.04	0.400	O	|	|	|	|	1.43
111.917	0.00	0.04	0.400	O	|	|	|	|	1.43
112.000	0.00	0.04	0.400	O	|	|	|	|	1.43
112.083	0.00	0.04	0.399	O	|	|	|	|	1.43
112.167	0.00	0.04	0.399	O	|	|	|	|	1.43
112.250	0.00	0.04	0.399	O	|	|	|	|	1.43
112.333	0.00	0.04	0.398	O	|	|	|	|	1.43
112.417	0.00	0.04	0.398	O	|	|	|	|	1.43
112.500	0.00	0.04	0.398	O	|	|	|	|	1.42
112.583	0.00	0.04	0.398	O	|	|	|	|	1.42
112.667	0.00	0.04	0.397	O	|	|	|	|	1.42
112.750	0.00	0.04	0.397	O	|	|	|	|	1.42
112.833	0.00	0.04	0.397	O	|	|	|	|	1.42
112.917	0.00	0.04	0.397	O	|	|	|	|	1.42
113.000	0.00	0.04	0.396	O	|	|	|	|	1.42
113.083	0.00	0.04	0.396	O	|	|	|	|	1.42
113.167	0.00	0.04	0.396	O	|	|	|	|	1.42
113.250	0.00	0.04	0.396	O	|	|	|	|	1.42
113.333	0.00	0.04	0.395	O	|	|	|	|	1.42
113.417	0.00	0.04	0.395	O	|	|	|	|	1.41
113.500	0.00	0.04	0.395	O	|	|	|	|	1.41
113.583	0.00	0.04	0.394	O	|	|	|	|	1.41
113.667	0.00	0.04	0.394	O	|	|	|	|	1.41
113.750	0.00	0.04	0.394	O	|	|	|	|	1.41
113.833	0.00	0.04	0.394	O	|	|	|	|	1.41
113.917	0.00	0.04	0.393	O	|	|	|	|	1.41
114.000	0.00	0.04	0.393	O	|	|	|	|	1.41
114.083	0.00	0.04	0.393	O	|	|	|	|	1.41
114.167	0.00	0.04	0.393	O	|	|	|	|	1.41
114.250	0.00	0.04	0.392	O	|	|	|	|	1.40
114.333	0.00	0.04	0.392	O	|	|	|	|	1.40
114.417	0.00	0.04	0.392	O	|	|	|	|	1.40
114.500	0.00	0.04	0.392	O	|	|	|	|	1.40
114.583	0.00	0.04	0.391	O	|	|	|	|	1.40
114.667	0.00	0.04	0.391	O	|	|	|	|	1.40
114.750	0.00	0.04	0.391	O	|	|	|	|	1.40
114.833	0.00	0.04	0.390	O	|	|	|	|	1.40
114.917	0.00	0.04	0.390	O	|	|	|	|	1.40
115.000	0.00	0.04	0.390	O	|	|	|	|	1.40
115.083	0.00	0.04	0.390	O	|	|	|	|	1.40
115.167	0.00	0.04	0.389	O	|	|	|	|	1.39
115.250	0.00	0.04	0.389	O	|	|	|	|	1.39
115.333	0.00	0.04	0.389	O	|	|	|	|	1.39
115.417	0.00	0.04	0.389	O	|	|	|	|	1.39
115.500	0.00	0.04	0.388	O	|	|	|	|	1.39
115.583	0.00	0.04	0.388	O	|	|	|	|	1.39
115.667	0.00	0.04	0.388	O	|	|	|	|	1.39
115.750	0.00	0.04	0.388	O	|	|	|	|	1.39

115.833	0.00	0.04	0.387	O					1.39
115.917	0.00	0.04	0.387	O					1.39
116.000	0.00	0.04	0.387	O					1.38
116.083	0.00	0.04	0.386	O					1.38
116.167	0.00	0.04	0.386	O					1.38
116.250	0.00	0.04	0.386	O					1.38
116.333	0.00	0.04	0.386	O					1.38
116.417	0.00	0.04	0.385	O					1.38
116.500	0.00	0.04	0.385	O					1.38
116.583	0.00	0.04	0.385	O					1.38
116.667	0.00	0.04	0.385	O					1.38
116.750	0.00	0.04	0.384	O					1.38
116.833	0.00	0.04	0.384	O					1.38
116.917	0.00	0.04	0.384	O					1.37
117.000	0.00	0.04	0.384	O					1.37
117.083	0.00	0.04	0.383	O					1.37
117.167	0.00	0.04	0.383	O					1.37
117.250	0.00	0.04	0.383	O					1.37
117.333	0.00	0.04	0.383	O					1.37
117.417	0.00	0.04	0.382	O					1.37
117.500	0.00	0.04	0.382	O					1.37
117.583	0.00	0.04	0.382	O					1.37
117.667	0.00	0.04	0.382	O					1.37
117.750	0.00	0.04	0.381	O					1.36
117.833	0.00	0.04	0.381	O					1.36
117.917	0.00	0.04	0.381	O					1.36
118.000	0.00	0.04	0.380	O					1.36
118.083	0.00	0.04	0.380	O					1.36
118.167	0.00	0.04	0.380	O					1.36
118.250	0.00	0.04	0.380	O					1.36
118.333	0.00	0.04	0.379	O					1.36
118.417	0.00	0.04	0.379	O					1.36
118.500	0.00	0.04	0.379	O					1.36
118.583	0.00	0.04	0.379	O					1.36
118.667	0.00	0.04	0.378	O					1.35
118.750	0.00	0.04	0.378	O					1.35
118.833	0.00	0.04	0.378	O					1.35
118.917	0.00	0.04	0.378	O					1.35
119.000	0.00	0.04	0.377	O					1.35
119.083	0.00	0.04	0.377	O					1.35
119.167	0.00	0.04	0.377	O					1.35
119.250	0.00	0.04	0.377	O					1.35
119.333	0.00	0.04	0.376	O					1.35
119.417	0.00	0.04	0.376	O					1.35
119.500	0.00	0.04	0.376	O					1.35
119.583	0.00	0.04	0.376	O					1.34
119.667	0.00	0.04	0.375	O					1.34
119.750	0.00	0.04	0.375	O					1.34
119.833	0.00	0.04	0.375	O					1.34
119.917	0.00	0.04	0.375	O					1.34
120.000	0.00	0.04	0.374	O					1.34
120.083	0.00	0.04	0.374	O					1.34
120.167	0.00	0.04	0.374	O					1.34
120.250	0.00	0.04	0.374	O					1.34
120.333	0.00	0.04	0.373	O					1.34
120.417	0.00	0.04	0.373	O					1.34
120.500	0.00	0.04	0.373	O					1.33
120.583	0.00	0.04	0.373	O					1.33
120.667	0.00	0.04	0.372	O					1.33
120.750	0.00	0.04	0.372	O					1.33
120.833	0.00	0.04	0.372	O					1.33
120.917	0.00	0.04	0.372	O					1.33
121.000	0.00	0.04	0.371	O					1.33
121.083	0.00	0.04	0.371	O					1.33
121.167	0.00	0.04	0.371	O					1.33
121.250	0.00	0.04	0.371	O					1.33
121.333	0.00	0.04	0.370	O					1.33
121.417	0.00	0.04	0.370	O					1.32
121.500	0.00	0.04	0.370	O					1.32
121.583	0.00	0.04	0.370	O					1.32
121.667	0.00	0.04	0.369	O					1.32
121.750	0.00	0.04	0.369	O					1.32
121.833	0.00	0.04	0.369	O					1.32

121.917	0.00	0.04	0.369	O					1.32
122.000	0.00	0.04	0.368	O					1.32
122.083	0.00	0.04	0.368	O					1.32
122.167	0.00	0.04	0.368	O					1.32
122.250	0.00	0.04	0.368	O					1.32
122.333	0.00	0.04	0.367	O					1.31
122.417	0.00	0.04	0.367	O					1.31
122.500	0.00	0.04	0.367	O					1.31
122.583	0.00	0.04	0.367	O					1.31
122.667	0.00	0.04	0.366	O					1.31
122.750	0.00	0.04	0.366	O					1.31
122.833	0.00	0.04	0.366	O					1.31
122.917	0.00	0.04	0.366	O					1.31
123.000	0.00	0.04	0.365	O					1.31
123.083	0.00	0.04	0.365	O					1.31
123.167	0.00	0.04	0.365	O					1.31
123.250	0.00	0.04	0.365	O					1.31
123.333	0.00	0.04	0.364	O					1.30
123.417	0.00	0.04	0.364	O					1.30
123.500	0.00	0.04	0.364	O					1.30
123.583	0.00	0.04	0.364	O					1.30
123.667	0.00	0.04	0.363	O					1.30
123.750	0.00	0.04	0.363	O					1.30
123.833	0.00	0.04	0.363	O					1.30
123.917	0.00	0.04	0.363	O					1.30
124.000	0.00	0.04	0.362	O					1.30
124.083	0.00	0.04	0.362	O					1.30
124.167	0.00	0.04	0.362	O					1.30
124.250	0.00	0.04	0.362	O					1.29
124.333	0.00	0.04	0.361	O					1.29
124.417	0.00	0.04	0.361	O					1.29
124.500	0.00	0.04	0.361	O					1.29
124.583	0.00	0.04	0.361	O					1.29
124.667	0.00	0.04	0.360	O					1.29
124.750	0.00	0.04	0.360	O					1.29
124.833	0.00	0.04	0.360	O					1.29
124.917	0.00	0.04	0.360	O					1.29
125.000	0.00	0.04	0.359	O					1.29
125.083	0.00	0.04	0.359	O					1.29
125.167	0.00	0.04	0.359	O					1.28
125.250	0.00	0.04	0.359	O					1.28
125.333	0.00	0.04	0.358	O					1.28
125.417	0.00	0.04	0.358	O					1.28
125.500	0.00	0.04	0.358	O					1.28
125.583	0.00	0.04	0.358	O					1.28
125.667	0.00	0.04	0.357	O					1.28
125.750	0.00	0.04	0.357	O					1.28
125.833	0.00	0.04	0.357	O					1.28
125.917	0.00	0.04	0.357	O					1.28
126.000	0.00	0.04	0.356	O					1.28
126.083	0.00	0.04	0.356	O					1.28
126.167	0.00	0.04	0.356	O					1.27
126.250	0.00	0.04	0.356	O					1.27
126.333	0.00	0.04	0.355	O					1.27
126.417	0.00	0.04	0.355	O					1.27
126.500	0.00	0.04	0.355	O					1.27
126.583	0.00	0.04	0.355	O					1.27
126.667	0.00	0.04	0.354	O					1.27
126.750	0.00	0.03	0.354	O					1.27
126.833	0.00	0.03	0.354	O					1.27
126.917	0.00	0.03	0.354	O					1.27
127.000	0.00	0.03	0.354	O					1.27
127.083	0.00	0.03	0.353	O					1.26
127.167	0.00	0.03	0.353	O					1.26
127.250	0.00	0.03	0.353	O					1.26
127.333	0.00	0.03	0.353	O					1.26
127.417	0.00	0.03	0.352	O					1.26
127.500	0.00	0.03	0.352	O					1.26
127.583	0.00	0.03	0.352	O					1.26
127.667	0.00	0.03	0.352	O					1.26
127.750	0.00	0.03	0.351	O					1.26
127.833	0.00	0.03	0.351	O					1.26
127.917	0.00	0.03	0.351	O					1.26

128.000	0.00	0.03	0.351	O					1.26
128.083	0.00	0.03	0.350	O					1.25
128.167	0.00	0.03	0.350	O					1.25
128.250	0.00	0.03	0.350	O					1.25
128.333	0.00	0.03	0.350	O					1.25
128.417	0.00	0.03	0.349	O					1.25
128.500	0.00	0.03	0.349	O					1.25
128.583	0.00	0.03	0.349	O					1.25
128.667	0.00	0.03	0.349	O					1.25
128.750	0.00	0.03	0.349	O					1.25
128.833	0.00	0.03	0.348	O					1.25
128.917	0.00	0.03	0.348	O					1.25
129.000	0.00	0.03	0.348	O					1.25
129.083	0.00	0.03	0.348	O					1.24
129.167	0.00	0.03	0.347	O					1.24
129.250	0.00	0.03	0.347	O					1.24
129.333	0.00	0.03	0.347	O					1.24
129.417	0.00	0.03	0.347	O					1.24
129.500	0.00	0.03	0.346	O					1.24
129.583	0.00	0.03	0.346	O					1.24
129.667	0.00	0.03	0.346	O					1.24
129.750	0.00	0.03	0.346	O					1.24
129.833	0.00	0.03	0.345	O					1.24
129.917	0.00	0.03	0.345	O					1.24
130.000	0.00	0.03	0.345	O					1.24
130.083	0.00	0.03	0.345	O					1.23
130.167	0.00	0.03	0.345	O					1.23
130.250	0.00	0.03	0.344	O					1.23
130.333	0.00	0.03	0.344	O					1.23
130.417	0.00	0.03	0.344	O					1.23
130.500	0.00	0.03	0.344	O					1.23
130.583	0.00	0.03	0.343	O					1.23
130.667	0.00	0.03	0.343	O					1.23
130.750	0.00	0.03	0.343	O					1.23
130.833	0.00	0.03	0.343	O					1.23
130.917	0.00	0.03	0.342	O					1.23
131.000	0.00	0.03	0.342	O					1.23
131.083	0.00	0.03	0.342	O					1.22
131.167	0.00	0.03	0.342	O					1.22
131.250	0.00	0.03	0.341	O					1.22
131.333	0.00	0.03	0.341	O					1.22
131.417	0.00	0.03	0.341	O					1.22
131.500	0.00	0.03	0.341	O					1.22
131.583	0.00	0.03	0.341	O					1.22
131.667	0.00	0.03	0.340	O					1.22
131.750	0.00	0.03	0.340	O					1.22
131.833	0.00	0.03	0.340	O					1.22
131.917	0.00	0.03	0.340	O					1.22
132.000	0.00	0.03	0.339	O					1.22
132.083	0.00	0.03	0.339	O					1.21
132.167	0.00	0.03	0.339	O					1.21
132.250	0.00	0.03	0.339	O					1.21
132.333	0.00	0.03	0.338	O					1.21
132.417	0.00	0.03	0.338	O					1.21
132.500	0.00	0.03	0.338	O					1.21
132.583	0.00	0.03	0.338	O					1.21
132.667	0.00	0.03	0.338	O					1.21
132.750	0.00	0.03	0.337	O					1.21
132.833	0.00	0.03	0.337	O					1.21
132.917	0.00	0.03	0.337	O					1.21
133.000	0.00	0.03	0.337	O					1.21
133.083	0.00	0.03	0.336	O					1.20
133.167	0.00	0.03	0.336	O					1.20
133.250	0.00	0.03	0.336	O					1.20
133.333	0.00	0.03	0.336	O					1.20
133.417	0.00	0.03	0.335	O					1.20
133.500	0.00	0.03	0.335	O					1.20
133.583	0.00	0.03	0.335	O					1.20
133.667	0.00	0.03	0.335	O					1.20
133.750	0.00	0.03	0.335	O					1.20
133.833	0.00	0.03	0.334	O					1.20
133.917	0.00	0.03	0.334	O					1.20
134.000	0.00	0.03	0.334	O					1.20

134.083	0.00	0.03	0.334	O					1.19
134.167	0.00	0.03	0.333	O					1.19
134.250	0.00	0.03	0.333	O					1.19
134.333	0.00	0.03	0.333	O					1.19
134.417	0.00	0.03	0.333	O					1.19
134.500	0.00	0.03	0.333	O					1.19
134.583	0.00	0.03	0.332	O					1.19
134.667	0.00	0.03	0.332	O					1.19
134.750	0.00	0.03	0.332	O					1.19
134.833	0.00	0.03	0.332	O					1.19
134.917	0.00	0.03	0.331	O					1.19
135.000	0.00	0.03	0.331	O					1.19
135.083	0.00	0.03	0.331	O					1.18
135.167	0.00	0.03	0.331	O					1.18
135.250	0.00	0.03	0.331	O					1.18
135.333	0.00	0.03	0.330	O					1.18
135.417	0.00	0.03	0.330	O					1.18
135.500	0.00	0.03	0.330	O					1.18
135.583	0.00	0.03	0.330	O					1.18
135.667	0.00	0.03	0.329	O					1.18
135.750	0.00	0.03	0.329	O					1.18
135.833	0.00	0.03	0.329	O					1.18
135.917	0.00	0.03	0.329	O					1.18
136.000	0.00	0.03	0.328	O					1.18
136.083	0.00	0.03	0.328	O					1.18
136.167	0.00	0.03	0.328	O					1.17
136.250	0.00	0.03	0.328	O					1.17
136.333	0.00	0.03	0.328	O					1.17
136.417	0.00	0.03	0.327	O					1.17
136.500	0.00	0.03	0.327	O					1.17
136.583	0.00	0.03	0.327	O					1.17
136.667	0.00	0.03	0.327	O					1.17
136.750	0.00	0.03	0.326	O					1.17
136.833	0.00	0.03	0.326	O					1.17
136.917	0.00	0.03	0.326	O					1.17
137.000	0.00	0.03	0.326	O					1.17
137.083	0.00	0.03	0.326	O					1.17
137.167	0.00	0.03	0.325	O					1.16
137.250	0.00	0.03	0.325	O					1.16
137.333	0.00	0.03	0.325	O					1.16
137.417	0.00	0.03	0.325	O					1.16
137.500	0.00	0.03	0.324	O					1.16
137.583	0.00	0.03	0.324	O					1.16
137.667	0.00	0.03	0.324	O					1.16
137.750	0.00	0.03	0.324	O					1.16
137.833	0.00	0.03	0.324	O					1.16
137.917	0.00	0.03	0.323	O					1.16
138.000	0.00	0.03	0.323	O					1.16
138.083	0.00	0.03	0.323	O					1.16
138.167	0.00	0.03	0.323	O					1.16
138.250	0.00	0.03	0.323	O					1.15
138.333	0.00	0.03	0.322	O					1.15
138.417	0.00	0.03	0.322	O					1.15
138.500	0.00	0.03	0.322	O					1.15
138.583	0.00	0.03	0.322	O					1.15
138.667	0.00	0.03	0.321	O					1.15
138.750	0.00	0.03	0.321	O					1.15
138.833	0.00	0.03	0.321	O					1.15
138.917	0.00	0.03	0.321	O					1.15
139.000	0.00	0.03	0.321	O					1.15
139.083	0.00	0.03	0.320	O					1.15
139.167	0.00	0.03	0.320	O					1.15
139.250	0.00	0.03	0.320	O					1.15
139.333	0.00	0.03	0.320	O					1.14
139.417	0.00	0.03	0.319	O					1.14
139.500	0.00	0.03	0.319	O					1.14
139.583	0.00	0.03	0.319	O					1.14
139.667	0.00	0.03	0.319	O					1.14
139.750	0.00	0.03	0.319	O					1.14
139.833	0.00	0.03	0.318	O					1.14
139.917	0.00	0.03	0.318	O					1.14
140.000	0.00	0.03	0.318	O					1.14
140.083	0.00	0.03	0.318	O					1.14

140.167	0.00	0.03	0.318	O					1.14
140.250	0.00	0.03	0.317	O					1.14
140.333	0.00	0.03	0.317	O					1.14
140.417	0.00	0.03	0.317	O					1.13
140.500	0.00	0.03	0.317	O					1.13
140.583	0.00	0.03	0.316	O					1.13
140.667	0.00	0.03	0.316	O					1.13
140.750	0.00	0.03	0.316	O					1.13
140.833	0.00	0.03	0.316	O					1.13
140.917	0.00	0.03	0.316	O					1.13
141.000	0.00	0.03	0.315	O					1.13
141.083	0.00	0.03	0.315	O					1.13
141.167	0.00	0.03	0.315	O					1.13
141.250	0.00	0.03	0.315	O					1.13
141.333	0.00	0.03	0.314	O					1.13
141.417	0.00	0.03	0.314	O					1.13
141.500	0.00	0.03	0.314	O					1.12
141.583	0.00	0.03	0.314	O					1.12
141.667	0.00	0.03	0.314	O					1.12
141.750	0.00	0.03	0.313	O					1.12
141.833	0.00	0.03	0.313	O					1.12
141.917	0.00	0.03	0.313	O					1.12
142.000	0.00	0.03	0.313	O					1.12
142.083	0.00	0.03	0.313	O					1.12
142.167	0.00	0.03	0.312	O					1.12
142.250	0.00	0.03	0.312	O					1.12
142.333	0.00	0.03	0.312	O					1.12
142.417	0.00	0.03	0.312	O					1.12
142.500	0.00	0.03	0.312	O					1.12
142.583	0.00	0.03	0.311	O					1.11
142.667	0.00	0.03	0.311	O					1.11
142.750	0.00	0.03	0.311	O					1.11
142.833	0.00	0.03	0.311	O					1.11
142.917	0.00	0.03	0.310	O					1.11
143.000	0.00	0.03	0.310	O					1.11
143.083	0.00	0.03	0.310	O					1.11
143.167	0.00	0.03	0.310	O					1.11
143.250	0.00	0.03	0.310	O					1.11
143.333	0.00	0.03	0.309	O					1.11
143.417	0.00	0.03	0.309	O					1.11
143.500	0.00	0.03	0.309	O					1.11
143.583	0.00	0.03	0.309	O					1.11
143.667	0.00	0.03	0.309	O					1.10
143.750	0.00	0.03	0.308	O					1.10
143.833	0.00	0.03	0.308	O					1.10
143.917	0.00	0.03	0.308	O					1.10
144.000	0.00	0.03	0.308	O					1.10
144.083	0.00	0.03	0.308	O					1.10
144.167	0.00	0.03	0.307	O					1.10
144.250	0.00	0.03	0.307	O					1.10
144.333	0.00	0.03	0.307	O					1.10
144.417	0.00	0.03	0.307	O					1.10
144.500	0.00	0.03	0.306	O					1.10
144.583	0.00	0.03	0.306	O					1.10
144.667	0.00	0.03	0.306	O					1.10
144.750	0.00	0.03	0.306	O					1.09
144.833	0.00	0.03	0.306	O					1.09
144.917	0.00	0.03	0.305	O					1.09
145.000	0.00	0.03	0.305	O					1.09
145.083	0.00	0.03	0.305	O					1.09
145.167	0.00	0.03	0.305	O					1.09
145.250	0.00	0.03	0.305	O					1.09
145.333	0.00	0.03	0.304	O					1.09
145.417	0.00	0.03	0.304	O					1.09
145.500	0.00	0.03	0.304	O					1.09
145.583	0.00	0.03	0.304	O					1.09
145.667	0.00	0.03	0.304	O					1.09
145.750	0.00	0.03	0.303	O					1.09
145.833	0.00	0.03	0.303	O					1.09
145.917	0.00	0.03	0.303	O					1.08
146.000	0.00	0.03	0.303	O					1.08
146.083	0.00	0.03	0.303	O					1.08
146.167	0.00	0.03	0.302	O					1.08

146.250	0.00	0.03	0.302	O					1.08
146.333	0.00	0.03	0.302	O					1.08
146.417	0.00	0.03	0.302	O					1.08
146.500	0.00	0.03	0.302	O					1.08
146.583	0.00	0.03	0.301	O					1.08
146.667	0.00	0.03	0.301	O					1.08
146.750	0.00	0.03	0.301	O					1.08
146.833	0.00	0.03	0.301	O					1.08
146.917	0.00	0.03	0.300	O					1.08
147.000	0.00	0.03	0.300	O					1.08
147.083	0.00	0.03	0.300	O					1.07
147.167	0.00	0.03	0.300	O					1.07
147.250	0.00	0.03	0.300	O					1.07
147.333	0.00	0.03	0.299	O					1.07
147.417	0.00	0.03	0.299	O					1.07
147.500	0.00	0.03	0.299	O					1.07
147.583	0.00	0.03	0.299	O					1.07
147.667	0.00	0.03	0.299	O					1.07
147.750	0.00	0.03	0.298	O					1.07
147.833	0.00	0.03	0.298	O					1.07
147.917	0.00	0.03	0.298	O					1.07
148.000	0.00	0.03	0.298	O					1.07
148.083	0.00	0.03	0.298	O					1.07
148.167	0.00	0.03	0.297	O					1.06
148.250	0.00	0.03	0.297	O					1.06
148.333	0.00	0.03	0.297	O					1.06
148.417	0.00	0.03	0.297	O					1.06
148.500	0.00	0.03	0.297	O					1.06
148.583	0.00	0.03	0.296	O					1.06
148.667	0.00	0.03	0.296	O					1.06
148.750	0.00	0.03	0.296	O					1.06
148.833	0.00	0.03	0.296	O					1.06
148.917	0.00	0.03	0.296	O					1.06
149.000	0.00	0.03	0.295	O					1.06
149.083	0.00	0.03	0.295	O					1.06
149.167	0.00	0.03	0.295	O					1.06
149.250	0.00	0.03	0.295	O					1.06
149.333	0.00	0.03	0.295	O					1.05
149.417	0.00	0.03	0.294	O					1.05
149.500	0.00	0.03	0.294	O					1.05
149.583	0.00	0.03	0.294	O					1.05
149.667	0.00	0.03	0.294	O					1.05
149.750	0.00	0.03	0.294	O					1.05
149.833	0.00	0.03	0.293	O					1.05
149.917	0.00	0.03	0.293	O					1.05
150.000	0.00	0.03	0.293	O					1.05
150.083	0.00	0.03	0.293	O					1.05
150.167	0.00	0.03	0.293	O					1.05
150.250	0.00	0.03	0.292	O					1.05
150.333	0.00	0.03	0.292	O					1.05
150.417	0.00	0.03	0.292	O					1.05
150.500	0.00	0.03	0.292	O					1.04
150.583	0.00	0.03	0.292	O					1.04
150.667	0.00	0.03	0.291	O					1.04
150.750	0.00	0.03	0.291	O					1.04
150.833	0.00	0.03	0.291	O					1.04
150.917	0.00	0.03	0.291	O					1.04
151.000	0.00	0.03	0.291	O					1.04
151.083	0.00	0.03	0.290	O					1.04
151.167	0.00	0.03	0.290	O					1.04
151.250	0.00	0.03	0.290	O					1.04
151.333	0.00	0.03	0.290	O					1.04
151.417	0.00	0.03	0.290	O					1.04
151.500	0.00	0.03	0.289	O					1.04
151.583	0.00	0.03	0.289	O					1.04
151.667	0.00	0.03	0.289	O					1.03
151.750	0.00	0.03	0.289	O					1.03
151.833	0.00	0.03	0.289	O					1.03
151.917	0.00	0.03	0.288	O					1.03
152.000	0.00	0.03	0.288	O					1.03
152.083	0.00	0.03	0.288	O					1.03
152.167	0.00	0.03	0.288	O					1.03
152.250	0.00	0.03	0.288	O					1.03

152.333	0.00	0.03	0.287	O					1.03
152.417	0.00	0.03	0.287	O					1.03
152.500	0.00	0.03	0.287	O					1.03
152.583	0.00	0.03	0.287	O					1.03
152.667	0.00	0.03	0.287	O					1.03
152.750	0.00	0.03	0.287	O					1.03
152.833	0.00	0.03	0.286	O					1.03
152.917	0.00	0.03	0.286	O					1.02
153.000	0.00	0.03	0.286	O					1.02
153.083	0.00	0.03	0.286	O					1.02
153.167	0.00	0.03	0.286	O					1.02
153.250	0.00	0.03	0.285	O					1.02
153.333	0.00	0.03	0.285	O					1.02
153.417	0.00	0.03	0.285	O					1.02
153.500	0.00	0.03	0.285	O					1.02
153.583	0.00	0.03	0.285	O					1.02
153.667	0.00	0.03	0.284	O					1.02
153.750	0.00	0.03	0.284	O					1.02
153.833	0.00	0.03	0.284	O					1.02
153.917	0.00	0.03	0.284	O					1.02
154.000	0.00	0.03	0.284	O					1.02
154.083	0.00	0.03	0.283	O					1.01
154.167	0.00	0.03	0.283	O					1.01
154.250	0.00	0.03	0.283	O					1.01
154.333	0.00	0.03	0.283	O					1.01
154.417	0.00	0.03	0.283	O					1.01
154.500	0.00	0.03	0.282	O					1.01
154.583	0.00	0.03	0.282	O					1.01
154.667	0.00	0.03	0.282	O					1.01
154.750	0.00	0.03	0.282	O					1.01
154.833	0.00	0.03	0.282	O					1.01
154.917	0.00	0.03	0.281	O					1.01
155.000	0.00	0.03	0.281	O					1.01
155.083	0.00	0.03	0.281	O					1.01
155.167	0.00	0.03	0.281	O					1.01
155.250	0.00	0.03	0.281	O					1.01
155.333	0.00	0.03	0.281	O					1.00
155.417	0.00	0.03	0.280	O					1.00
155.500	0.00	0.03	0.280	O					1.00
155.583	0.00	0.03	0.280	O					1.00
155.667	0.00	0.03	0.280	O					1.00
155.750	0.00	0.03	0.280	O					1.00
155.833	0.00	0.03	0.279	O					1.00
155.917	0.00	0.03	0.279	O					1.00
156.000	0.00	0.03	0.279	O					1.00
156.083	0.00	0.03	0.279	O					1.00
156.167	0.00	0.03	0.279	O					1.00
156.250	0.00	0.03	0.278	O					1.00
156.333	0.00	0.03	0.278	O					1.00
156.417	0.00	0.03	0.278	O					1.00
156.500	0.00	0.03	0.278	O					0.99
156.583	0.00	0.03	0.278	O					0.99
156.667	0.00	0.03	0.277	O					0.99
156.750	0.00	0.03	0.277	O					0.99
156.833	0.00	0.03	0.277	O					0.99
156.917	0.00	0.03	0.277	O					0.99
157.000	0.00	0.03	0.277	O					0.99
157.083	0.00	0.03	0.277	O					0.99
157.167	0.00	0.03	0.276	O					0.99
157.250	0.00	0.03	0.276	O					0.99
157.333	0.00	0.03	0.276	O					0.99
157.417	0.00	0.03	0.276	O					0.99
157.500	0.00	0.03	0.276	O					0.99
157.583	0.00	0.03	0.275	O					0.99
157.667	0.00	0.03	0.275	O					0.99
157.750	0.00	0.03	0.275	O					0.98
157.833	0.00	0.03	0.275	O					0.98
157.917	0.00	0.03	0.275	O					0.98
158.000	0.00	0.03	0.274	O					0.98
158.083	0.00	0.03	0.274	O					0.98
158.167	0.00	0.03	0.274	O					0.98
158.250	0.00	0.03	0.274	O					0.98
158.333	0.00	0.03	0.274	O					0.98

158.417	0.00	0.03	0.274	O					0.98
158.500	0.00	0.03	0.273	O					0.98
158.583	0.00	0.03	0.273	O					0.98
158.667	0.00	0.03	0.273	O					0.98
158.750	0.00	0.03	0.273	O					0.98
158.833	0.00	0.03	0.273	O					0.98
158.917	0.00	0.03	0.272	O					0.98
159.000	0.00	0.03	0.272	O					0.97
159.083	0.00	0.03	0.272	O					0.97
159.167	0.00	0.03	0.272	O					0.97
159.250	0.00	0.03	0.272	O					0.97
159.333	0.00	0.03	0.272	O					0.97
159.417	0.00	0.03	0.271	O					0.97
159.500	0.00	0.03	0.271	O					0.97
159.583	0.00	0.03	0.271	O					0.97
159.667	0.00	0.03	0.271	O					0.97
159.750	0.00	0.03	0.271	O					0.97
159.833	0.00	0.03	0.270	O					0.97
159.917	0.00	0.03	0.270	O					0.97
160.000	0.00	0.03	0.270	O					0.97
160.083	0.00	0.03	0.270	O					0.97
160.167	0.00	0.03	0.270	O					0.97
160.250	0.00	0.03	0.269	O					0.96
160.333	0.00	0.03	0.269	O					0.96
160.417	0.00	0.03	0.269	O					0.96
160.500	0.00	0.03	0.269	O					0.96
160.583	0.00	0.03	0.269	O					0.96
160.667	0.00	0.03	0.269	O					0.96
160.750	0.00	0.03	0.268	O					0.96
160.833	0.00	0.03	0.268	O					0.96
160.917	0.00	0.03	0.268	O					0.96
161.000	0.00	0.03	0.268	O					0.96
161.083	0.00	0.03	0.268	O					0.96
161.167	0.00	0.03	0.267	O					0.96
161.250	0.00	0.03	0.267	O					0.96
161.333	0.00	0.03	0.267	O					0.96
161.417	0.00	0.03	0.267	O					0.96
161.500	0.00	0.03	0.267	O					0.96
161.583	0.00	0.03	0.267	O					0.95
161.667	0.00	0.03	0.266	O					0.95
161.750	0.00	0.03	0.266	O					0.95
161.833	0.00	0.03	0.266	O					0.95
161.917	0.00	0.03	0.266	O					0.95
162.000	0.00	0.03	0.266	O					0.95
162.083	0.00	0.03	0.265	O					0.95
162.167	0.00	0.03	0.265	O					0.95
162.250	0.00	0.03	0.265	O					0.95
162.333	0.00	0.03	0.265	O					0.95
162.417	0.00	0.03	0.265	O					0.95
162.500	0.00	0.03	0.265	O					0.95
162.583	0.00	0.03	0.264	O					0.95
162.667	0.00	0.03	0.264	O					0.95
162.750	0.00	0.03	0.264	O					0.95
162.833	0.00	0.03	0.264	O					0.94
162.917	0.00	0.03	0.264	O					0.94
163.000	0.00	0.03	0.264	O					0.94
163.083	0.00	0.03	0.263	O					0.94
163.167	0.00	0.03	0.263	O					0.94
163.250	0.00	0.03	0.263	O					0.94
163.333	0.00	0.03	0.263	O					0.94
163.417	0.00	0.03	0.263	O					0.94
163.500	0.00	0.03	0.262	O					0.94
163.583	0.00	0.03	0.262	O					0.94
163.667	0.00	0.03	0.262	O					0.94
163.750	0.00	0.03	0.262	O					0.94
163.833	0.00	0.03	0.262	O					0.94
163.917	0.00	0.03	0.262	O					0.94
164.000	0.00	0.03	0.261	O					0.94
164.083	0.00	0.03	0.261	O					0.94
164.167	0.00	0.03	0.261	O					0.93
164.250	0.00	0.03	0.261	O					0.93
164.333	0.00	0.03	0.261	O					0.93
164.417	0.00	0.03	0.260	O					0.93

164.500	0.00	0.03	0.260	O					0.93
164.583	0.00	0.03	0.260	O					0.93
164.667	0.00	0.03	0.260	O					0.93
164.750	0.00	0.03	0.260	O					0.93
164.833	0.00	0.03	0.260	O					0.93
164.917	0.00	0.03	0.259	O					0.93
165.000	0.00	0.03	0.259	O					0.93
165.083	0.00	0.03	0.259	O					0.93
165.167	0.00	0.03	0.259	O					0.93
165.250	0.00	0.03	0.259	O					0.93
165.333	0.00	0.03	0.259	O					0.93
165.417	0.00	0.03	0.258	O					0.93
165.500	0.00	0.03	0.258	O					0.92
165.583	0.00	0.03	0.258	O					0.92
165.667	0.00	0.03	0.258	O					0.92
165.750	0.00	0.03	0.258	O					0.92
165.833	0.00	0.03	0.257	O					0.92
165.917	0.00	0.03	0.257	O					0.92
166.000	0.00	0.03	0.257	O					0.92
166.083	0.00	0.03	0.257	O					0.92
166.167	0.00	0.03	0.257	O					0.92
166.250	0.00	0.03	0.257	O					0.92
166.333	0.00	0.03	0.256	O					0.92
166.417	0.00	0.03	0.256	O					0.92
166.500	0.00	0.03	0.256	O					0.92
166.583	0.00	0.03	0.256	O					0.92
166.667	0.00	0.03	0.256	O					0.92
166.750	0.00	0.03	0.256	O					0.92
166.833	0.00	0.03	0.255	O					0.91
166.917	0.00	0.03	0.255	O					0.91
167.000	0.00	0.03	0.255	O					0.91
167.083	0.00	0.03	0.255	O					0.91
167.167	0.00	0.03	0.255	O					0.91
167.250	0.00	0.03	0.255	O					0.91
167.333	0.00	0.03	0.254	O					0.91
167.417	0.00	0.03	0.254	O					0.91
167.500	0.00	0.03	0.254	O					0.91
167.583	0.00	0.03	0.254	O					0.91
167.667	0.00	0.03	0.254	O					0.91
167.750	0.00	0.03	0.253	O					0.91
167.833	0.00	0.03	0.253	O					0.91
167.917	0.00	0.03	0.253	O					0.91
168.000	0.00	0.02	0.253	O					0.91
168.083	0.00	0.02	0.253	O					0.91
168.167	0.00	0.02	0.253	O					0.90
168.250	0.00	0.02	0.252	O					0.90
168.333	0.00	0.02	0.252	O					0.90
168.417	0.00	0.02	0.252	O					0.90
168.500	0.00	0.02	0.252	O					0.90
168.583	0.00	0.02	0.252	O					0.90
168.667	0.00	0.02	0.252	O					0.90
168.750	0.00	0.02	0.251	O					0.90
168.833	0.00	0.02	0.251	O					0.90
168.917	0.00	0.02	0.251	O					0.90
169.000	0.00	0.02	0.251	O					0.90
169.083	0.00	0.02	0.251	O					0.90
169.167	0.00	0.02	0.251	O					0.90
169.250	0.00	0.02	0.250	O					0.90
169.333	0.00	0.02	0.250	O					0.90
169.417	0.00	0.02	0.250	O					0.90
169.500	0.00	0.02	0.250	O					0.89
169.583	0.00	0.02	0.250	O					0.89
169.667	0.00	0.02	0.250	O					0.89
169.750	0.00	0.02	0.249	O					0.89
169.833	0.00	0.02	0.249	O					0.89
169.917	0.00	0.02	0.249	O					0.89
170.000	0.00	0.02	0.249	O					0.89
170.083	0.00	0.02	0.249	O					0.89
170.167	0.00	0.02	0.249	O					0.89
170.250	0.00	0.02	0.248	O					0.89
170.333	0.00	0.02	0.248	O					0.89
170.417	0.00	0.02	0.248	O					0.89
170.500	0.00	0.02	0.248	O					0.89

170.583	0.00	0.02	0.248	O					0.89
170.667	0.00	0.02	0.248	O					0.89
170.750	0.00	0.02	0.247	O					0.89
170.833	0.00	0.02	0.247	O					0.89
170.917	0.00	0.02	0.247	O					0.88
171.000	0.00	0.02	0.247	O					0.88
171.083	0.00	0.02	0.247	O					0.88
171.167	0.00	0.02	0.247	O					0.88
171.250	0.00	0.02	0.246	O					0.88
171.333	0.00	0.02	0.246	O					0.88
171.417	0.00	0.02	0.246	O					0.88
171.500	0.00	0.02	0.246	O					0.88
171.583	0.00	0.02	0.246	O					0.88
171.667	0.00	0.02	0.246	O					0.88
171.750	0.00	0.02	0.245	O					0.88
171.833	0.00	0.02	0.245	O					0.88
171.917	0.00	0.02	0.245	O					0.88
172.000	0.00	0.02	0.245	O					0.88
172.083	0.00	0.02	0.245	O					0.88
172.167	0.00	0.02	0.245	O					0.88
172.250	0.00	0.02	0.244	O					0.87
172.333	0.00	0.02	0.244	O					0.87
172.417	0.00	0.02	0.244	O					0.87
172.500	0.00	0.02	0.244	O					0.87
172.583	0.00	0.02	0.244	O					0.87
172.667	0.00	0.02	0.244	O					0.87
172.750	0.00	0.02	0.243	O					0.87
172.833	0.00	0.02	0.243	O					0.87
172.917	0.00	0.02	0.243	O					0.87
173.000	0.00	0.02	0.243	O					0.87
173.083	0.00	0.02	0.243	O					0.87
173.167	0.00	0.02	0.243	O					0.87
173.250	0.00	0.02	0.242	O					0.87
173.333	0.00	0.02	0.242	O					0.87
173.417	0.00	0.02	0.242	O					0.87
173.500	0.00	0.02	0.242	O					0.87
173.583	0.00	0.02	0.242	O					0.87
173.667	0.00	0.02	0.242	O					0.86
173.750	0.00	0.02	0.241	O					0.86
173.833	0.00	0.02	0.241	O					0.86
173.917	0.00	0.02	0.241	O					0.86
174.000	0.00	0.02	0.241	O					0.86
174.083	0.00	0.02	0.241	O					0.86
174.167	0.00	0.02	0.241	O					0.86
174.250	0.00	0.02	0.240	O					0.86
174.333	0.00	0.02	0.240	O					0.86
174.417	0.00	0.02	0.240	O					0.86
174.500	0.00	0.02	0.240	O					0.86
174.583	0.00	0.02	0.240	O					0.86
174.667	0.00	0.02	0.240	O					0.86
174.750	0.00	0.02	0.239	O					0.86
174.833	0.00	0.02	0.239	O					0.86
174.917	0.00	0.02	0.239	O					0.86
175.000	0.00	0.02	0.239	O					0.86
175.083	0.00	0.02	0.239	O					0.85
175.167	0.00	0.02	0.239	O					0.85
175.250	0.00	0.02	0.238	O					0.85
175.333	0.00	0.02	0.238	O					0.85
175.417	0.00	0.02	0.238	O					0.85
175.500	0.00	0.02	0.238	O					0.85
175.583	0.00	0.02	0.238	O					0.85
175.667	0.00	0.02	0.238	O					0.85
175.750	0.00	0.02	0.237	O					0.85
175.833	0.00	0.02	0.237	O					0.85
175.917	0.00	0.02	0.237	O					0.85
176.000	0.00	0.02	0.237	O					0.85
176.083	0.00	0.02	0.237	O					0.85
176.167	0.00	0.02	0.237	O					0.85
176.250	0.00	0.02	0.237	O					0.85
176.333	0.00	0.02	0.236	O					0.85
176.417	0.00	0.02	0.236	O					0.85
176.500	0.00	0.02	0.236	O					0.85
176.583	0.00	0.02	0.236	O					0.84

176.667	0.00	0.02	0.236	O					0.84
176.750	0.00	0.02	0.236	O					0.84
176.833	0.00	0.02	0.235	O					0.84
176.917	0.00	0.02	0.235	O					0.84
177.000	0.00	0.02	0.235	O					0.84
177.083	0.00	0.02	0.235	O					0.84
177.167	0.00	0.02	0.235	O					0.84
177.250	0.00	0.02	0.235	O					0.84
177.333	0.00	0.02	0.234	O					0.84
177.417	0.00	0.02	0.234	O					0.84
177.500	0.00	0.02	0.234	O					0.84
177.583	0.00	0.02	0.234	O					0.84
177.667	0.00	0.02	0.234	O					0.84
177.750	0.00	0.02	0.234	O					0.84
177.833	0.00	0.02	0.233	O					0.84
177.917	0.00	0.02	0.233	O					0.84
178.000	0.00	0.02	0.233	O					0.83
178.083	0.00	0.02	0.233	O					0.83
178.167	0.00	0.02	0.233	O					0.83
178.250	0.00	0.02	0.233	O					0.83
178.333	0.00	0.02	0.233	O					0.83
178.417	0.00	0.02	0.232	O					0.83
178.500	0.00	0.02	0.232	O					0.83
178.583	0.00	0.02	0.232	O					0.83
178.667	0.00	0.02	0.232	O					0.83
178.750	0.00	0.02	0.232	O					0.83
178.833	0.00	0.02	0.232	O					0.83
178.917	0.00	0.02	0.231	O					0.83
179.000	0.00	0.02	0.231	O					0.83
179.083	0.00	0.02	0.231	O					0.83
179.167	0.00	0.02	0.231	O					0.83
179.250	0.00	0.02	0.231	O					0.83
179.333	0.00	0.02	0.231	O					0.83
179.417	0.00	0.02	0.230	O					0.83
179.500	0.00	0.02	0.230	O					0.82
179.583	0.00	0.02	0.230	O					0.82
179.667	0.00	0.02	0.230	O					0.82
179.750	0.00	0.02	0.230	O					0.82
179.833	0.00	0.02	0.230	O					0.82
179.917	0.00	0.02	0.230	O					0.82
180.000	0.00	0.02	0.229	O					0.82
180.083	0.00	0.02	0.229	O					0.82
180.167	0.00	0.02	0.229	O					0.82
180.250	0.00	0.02	0.229	O					0.82
180.333	0.00	0.02	0.229	O					0.82
180.417	0.00	0.02	0.229	O					0.82
180.500	0.00	0.02	0.228	O					0.82
180.583	0.00	0.02	0.228	O					0.82
180.667	0.00	0.02	0.228	O					0.82
180.750	0.00	0.02	0.228	O					0.82
180.833	0.00	0.02	0.228	O					0.82
180.917	0.00	0.02	0.228	O					0.82
181.000	0.00	0.02	0.228	O					0.81
181.083	0.00	0.02	0.227	O					0.81
181.167	0.00	0.02	0.227	O					0.81
181.250	0.00	0.02	0.227	O					0.81
181.333	0.00	0.02	0.227	O					0.81
181.417	0.00	0.02	0.227	O					0.81
181.500	0.00	0.02	0.227	O					0.81
181.583	0.00	0.02	0.226	O					0.81
181.667	0.00	0.02	0.226	O					0.81
181.750	0.00	0.02	0.226	O					0.81
181.833	0.00	0.02	0.226	O					0.81
181.917	0.00	0.02	0.226	O					0.81
182.000	0.00	0.02	0.226	O					0.81
182.083	0.00	0.02	0.226	O					0.81
182.167	0.00	0.02	0.225	O					0.81
182.250	0.00	0.02	0.225	O					0.81
182.333	0.00	0.02	0.225	O					0.81
182.417	0.00	0.02	0.225	O					0.81
182.500	0.00	0.02	0.225	O					0.80
182.583	0.00	0.02	0.225	O					0.80
182.667	0.00	0.02	0.224	O					0.80

182.750	0.00	0.02	0.224	O					0.80
182.833	0.00	0.02	0.224	O					0.80
182.917	0.00	0.02	0.224	O					0.80
183.000	0.00	0.02	0.224	O					0.80
183.083	0.00	0.02	0.224	O					0.80
183.167	0.00	0.02	0.224	O					0.80
183.250	0.00	0.02	0.223	O					0.80
183.333	0.00	0.02	0.223	O					0.80
183.417	0.00	0.02	0.223	O					0.80
183.500	0.00	0.02	0.223	O					0.80
183.583	0.00	0.02	0.223	O					0.80
183.667	0.00	0.02	0.223	O					0.80
183.750	0.00	0.02	0.222	O					0.80
183.833	0.00	0.02	0.222	O					0.80
183.917	0.00	0.02	0.222	O					0.80
184.000	0.00	0.02	0.222	O					0.79
184.083	0.00	0.02	0.222	O					0.79
184.167	0.00	0.02	0.222	O					0.79
184.250	0.00	0.02	0.222	O					0.79
184.333	0.00	0.02	0.221	O					0.79
184.417	0.00	0.02	0.221	O					0.79
184.500	0.00	0.02	0.221	O					0.79
184.583	0.00	0.02	0.221	O					0.79
184.667	0.00	0.02	0.221	O					0.79
184.750	0.00	0.02	0.221	O					0.79
184.833	0.00	0.02	0.220	O					0.79
184.917	0.00	0.02	0.220	O					0.79
185.000	0.00	0.02	0.220	O					0.79
185.083	0.00	0.02	0.220	O					0.79
185.167	0.00	0.02	0.220	O					0.79
185.250	0.00	0.02	0.220	O					0.79
185.333	0.00	0.02	0.220	O					0.79
185.417	0.00	0.02	0.219	O					0.79
185.500	0.00	0.02	0.219	O					0.79
185.583	0.00	0.02	0.219	O					0.78
185.667	0.00	0.02	0.219	O					0.78
185.750	0.00	0.02	0.219	O					0.78
185.833	0.00	0.02	0.219	O					0.78
185.917	0.00	0.02	0.219	O					0.78
186.000	0.00	0.02	0.218	O					0.78
186.083	0.00	0.02	0.218	O					0.78
186.167	0.00	0.02	0.218	O					0.78
186.250	0.00	0.02	0.218	O					0.78
186.333	0.00	0.02	0.218	O					0.78
186.417	0.00	0.02	0.218	O					0.78
186.500	0.00	0.02	0.218	O					0.78
186.583	0.00	0.02	0.217	O					0.78
186.667	0.00	0.02	0.217	O					0.78
186.750	0.00	0.02	0.217	O					0.78
186.833	0.00	0.02	0.217	O					0.78
186.917	0.00	0.02	0.217	O					0.78
187.000	0.00	0.02	0.217	O					0.78
187.083	0.00	0.02	0.216	O					0.78
187.167	0.00	0.02	0.216	O					0.77
187.250	0.00	0.02	0.216	O					0.77
187.333	0.00	0.02	0.216	O					0.77
187.417	0.00	0.02	0.216	O					0.77
187.500	0.00	0.02	0.216	O					0.77
187.583	0.00	0.02	0.216	O					0.77
187.667	0.00	0.02	0.215	O					0.77
187.750	0.00	0.02	0.215	O					0.77
187.833	0.00	0.02	0.215	O					0.77
187.917	0.00	0.02	0.215	O					0.77
188.000	0.00	0.02	0.215	O					0.77
188.083	0.00	0.02	0.215	O					0.77
188.167	0.00	0.02	0.215	O					0.77
188.250	0.00	0.02	0.214	O					0.77
188.333	0.00	0.02	0.214	O					0.77
188.417	0.00	0.02	0.214	O					0.77
188.500	0.00	0.02	0.214	O					0.77
188.583	0.00	0.02	0.214	O					0.77
188.667	0.00	0.02	0.214	O					0.77
188.750	0.00	0.02	0.214	O					0.76

188.833	0.00	0.02	0.213	O					0.76
188.917	0.00	0.02	0.213	O					0.76
189.000	0.00	0.02	0.213	O					0.76
189.083	0.00	0.02	0.213	O					0.76
189.167	0.00	0.02	0.213	O					0.76
189.250	0.00	0.02	0.213	O					0.76
189.333	0.00	0.02	0.213	O					0.76
189.417	0.00	0.02	0.212	O					0.76
189.500	0.00	0.02	0.212	O					0.76
189.583	0.00	0.02	0.212	O					0.76
189.667	0.00	0.02	0.212	O					0.76
189.750	0.00	0.02	0.212	O					0.76
189.833	0.00	0.02	0.212	O					0.76
189.917	0.00	0.02	0.212	O					0.76
190.000	0.00	0.02	0.211	O					0.76
190.083	0.00	0.02	0.211	O					0.76
190.167	0.00	0.02	0.211	O					0.76
190.250	0.00	0.02	0.211	O					0.76
190.333	0.00	0.02	0.211	O					0.75
190.417	0.00	0.02	0.211	O					0.75
190.500	0.00	0.02	0.211	O					0.75
190.583	0.00	0.02	0.210	O					0.75
190.667	0.00	0.02	0.210	O					0.75
190.750	0.00	0.02	0.210	O					0.75
190.833	0.00	0.02	0.210	O					0.75
190.917	0.00	0.02	0.210	O					0.75
191.000	0.00	0.02	0.210	O					0.75
191.083	0.00	0.02	0.210	O					0.75
191.167	0.00	0.02	0.209	O					0.75
191.250	0.00	0.02	0.209	O					0.75
191.333	0.00	0.02	0.209	O					0.75
191.417	0.00	0.02	0.209	O					0.75
191.500	0.00	0.02	0.209	O					0.75
191.583	0.00	0.02	0.209	O					0.75
191.667	0.00	0.02	0.209	O					0.75
191.750	0.00	0.02	0.208	O					0.75
191.833	0.00	0.02	0.208	O					0.75
191.917	0.00	0.02	0.208	O					0.75
192.000	0.00	0.02	0.208	O					0.74
192.083	0.00	0.02	0.208	O					0.74
192.167	0.00	0.02	0.208	O					0.74
192.250	0.00	0.02	0.208	O					0.74
192.333	0.00	0.02	0.207	O					0.74
192.417	0.00	0.02	0.207	O					0.74
192.500	0.00	0.02	0.207	O					0.74
192.583	0.00	0.02	0.207	O					0.74
192.667	0.00	0.02	0.207	O					0.74
192.750	0.00	0.02	0.207	O					0.74
192.833	0.00	0.02	0.207	O					0.74
192.917	0.00	0.02	0.206	O					0.74
193.000	0.00	0.02	0.206	O					0.74
193.083	0.00	0.02	0.206	O					0.74
193.167	0.00	0.02	0.206	O					0.74
193.250	0.00	0.02	0.206	O					0.74
193.333	0.00	0.02	0.206	O					0.74
193.417	0.00	0.02	0.206	O					0.74
193.500	0.00	0.02	0.205	O					0.74
193.583	0.00	0.02	0.205	O					0.74
193.667	0.00	0.02	0.205	O					0.73
193.750	0.00	0.02	0.205	O					0.73
193.833	0.00	0.02	0.205	O					0.73
193.917	0.00	0.02	0.205	O					0.73
194.000	0.00	0.02	0.205	O					0.73
194.083	0.00	0.02	0.204	O					0.73
194.167	0.00	0.02	0.204	O					0.73
194.250	0.00	0.02	0.204	O					0.73
194.333	0.00	0.02	0.204	O					0.73
194.417	0.00	0.02	0.204	O					0.73
194.500	0.00	0.02	0.204	O					0.73
194.583	0.00	0.02	0.204	O					0.73
194.667	0.00	0.02	0.203	O					0.73
194.750	0.00	0.02	0.203	O					0.73
194.833	0.00	0.02	0.203	O					0.73

194.917	0.00	0.02	0.203	O					0.73
195.000	0.00	0.02	0.203	O					0.73
195.083	0.00	0.02	0.203	O					0.73
195.167	0.00	0.02	0.203	O					0.73
195.250	0.00	0.02	0.203	O					0.73
195.333	0.00	0.02	0.202	O					0.72
195.417	0.00	0.02	0.202	O					0.72
195.500	0.00	0.02	0.202	O					0.72
195.583	0.00	0.02	0.202	O					0.72
195.667	0.00	0.02	0.202	O					0.72
195.750	0.00	0.02	0.202	O					0.72
195.833	0.00	0.02	0.202	O					0.72
195.917	0.00	0.02	0.201	O					0.72
196.000	0.00	0.02	0.201	O					0.72
196.083	0.00	0.02	0.201	O					0.72
196.167	0.00	0.02	0.201	O					0.72
196.250	0.00	0.02	0.201	O					0.72
196.333	0.00	0.02	0.201	O					0.72
196.417	0.00	0.02	0.201	O					0.72
196.500	0.00	0.02	0.200	O					0.72
196.583	0.00	0.02	0.200	O					0.72
196.667	0.00	0.02	0.200	O					0.72
196.750	0.00	0.02	0.200	O					0.72
196.833	0.00	0.02	0.200	O					0.72
196.917	0.00	0.02	0.200	O					0.72
197.000	0.00	0.02	0.200	O					0.71
197.083	0.00	0.02	0.200	O					0.71
197.167	0.00	0.02	0.199	O					0.71
197.250	0.00	0.02	0.199	O					0.71
197.333	0.00	0.02	0.199	O					0.71
197.417	0.00	0.02	0.199	O					0.71
197.500	0.00	0.02	0.199	O					0.71
197.583	0.00	0.02	0.199	O					0.71
197.667	0.00	0.02	0.199	O					0.71
197.750	0.00	0.02	0.198	O					0.71
197.833	0.00	0.02	0.198	O					0.71
197.917	0.00	0.02	0.198	O					0.71
198.000	0.00	0.02	0.198	O					0.71
198.083	0.00	0.02	0.198	O					0.71
198.167	0.00	0.02	0.198	O					0.71
198.250	0.00	0.02	0.198	O					0.71
198.333	0.00	0.02	0.197	O					0.71
198.417	0.00	0.02	0.197	O					0.71
198.500	0.00	0.02	0.197	O					0.71
198.583	0.00	0.02	0.197	O					0.71
198.667	0.00	0.02	0.197	O					0.71
198.750	0.00	0.02	0.197	O					0.70
198.833	0.00	0.02	0.197	O					0.70
198.917	0.00	0.02	0.197	O					0.70
199.000	0.00	0.02	0.196	O					0.70
199.083	0.00	0.02	0.196	O					0.70
199.167	0.00	0.02	0.196	O					0.70
199.250	0.00	0.02	0.196	O					0.70
199.333	0.00	0.02	0.196	O					0.70
199.417	0.00	0.02	0.196	O					0.70
199.500	0.00	0.02	0.196	O					0.70
199.583	0.00	0.02	0.195	O					0.70
199.667	0.00	0.02	0.195	O					0.70
199.750	0.00	0.02	0.195	O					0.70
199.833	0.00	0.02	0.195	O					0.70
199.917	0.00	0.02	0.195	O					0.70
200.000	0.00	0.02	0.195	O					0.70
200.083	0.00	0.02	0.195	O					0.70
200.167	0.00	0.02	0.195	O					0.70
200.250	0.00	0.02	0.194	O					0.70
200.333	0.00	0.02	0.194	O					0.70
200.417	0.00	0.02	0.194	O					0.70
200.500	0.00	0.02	0.194	O					0.69
200.583	0.00	0.02	0.194	O					0.69
200.667	0.00	0.02	0.194	O					0.69
200.750	0.00	0.02	0.194	O					0.69
200.833	0.00	0.02	0.194	O					0.69
200.917	0.00	0.02	0.193	O					0.69

201.000	0.00	0.02	0.193	O	|	|	|	|	0.69
201.083	0.00	0.02	0.193	O	|	|	|	|	0.69
201.167	0.00	0.02	0.193	O	|	|	|	|	0.69
201.250	0.00	0.02	0.193	O	|	|	|	|	0.69
201.333	0.00	0.02	0.193	O	|	|	|	|	0.69
201.417	0.00	0.02	0.193	O	|	|	|	|	0.69
201.500	0.00	0.02	0.192	O	|	|	|	|	0.69
201.583	0.00	0.02	0.192	O	|	|	|	|	0.69
201.667	0.00	0.02	0.192	O	|	|	|	|	0.69
201.750	0.00	0.02	0.192	O	|	|	|	|	0.69
201.833	0.00	0.02	0.192	O	|	|	|	|	0.69
201.917	0.00	0.02	0.192	O	|	|	|	|	0.69
202.000	0.00	0.02	0.192	O	|	|	|	|	0.69
202.083	0.00	0.02	0.192	O	|	|	|	|	0.69
202.167	0.00	0.02	0.191	O	|	|	|	|	0.69
202.250	0.00	0.02	0.191	O	|	|	|	|	0.68
202.333	0.00	0.02	0.191	O	|	|	|	|	0.68
202.417	0.00	0.02	0.191	O	|	|	|	|	0.68
202.500	0.00	0.02	0.191	O	|	|	|	|	0.68
202.583	0.00	0.02	0.191	O	|	|	|	|	0.68
202.667	0.00	0.02	0.191	O	|	|	|	|	0.68
202.750	0.00	0.02	0.191	O	|	|	|	|	0.68
202.833	0.00	0.02	0.190	O	|	|	|	|	0.68
202.917	0.00	0.02	0.190	O	|	|	|	|	0.68
203.000	0.00	0.02	0.190	O	|	|	|	|	0.68
203.083	0.00	0.02	0.190	O	|	|	|	|	0.68
203.167	0.00	0.02	0.190	O	|	|	|	|	0.68
203.250	0.00	0.02	0.190	O	|	|	|	|	0.68
203.333	0.00	0.02	0.190	O	|	|	|	|	0.68
203.417	0.00	0.02	0.189	O	|	|	|	|	0.68
203.500	0.00	0.02	0.189	O	|	|	|	|	0.68
203.583	0.00	0.02	0.189	O	|	|	|	|	0.68
203.667	0.00	0.02	0.189	O	|	|	|	|	0.68
203.750	0.00	0.02	0.189	O	|	|	|	|	0.68
203.833	0.00	0.02	0.189	O	|	|	|	|	0.68
203.917	0.00	0.02	0.189	O	|	|	|	|	0.68
204.000	0.00	0.02	0.189	O	|	|	|	|	0.68
204.083	0.00	0.02	0.188	O	|	|	|	|	0.67
204.167	0.00	0.02	0.188	O	|	|	|	|	0.67
204.250	0.00	0.02	0.188	O	|	|	|	|	0.67
204.333	0.00	0.02	0.188	O	|	|	|	|	0.67
204.417	0.00	0.02	0.188	O	|	|	|	|	0.67
204.500	0.00	0.02	0.188	O	|	|	|	|	0.67
204.583	0.00	0.02	0.188	O	|	|	|	|	0.67
204.667	0.00	0.02	0.188	O	|	|	|	|	0.67
204.750	0.00	0.02	0.187	O	|	|	|	|	0.67
204.833	0.00	0.02	0.187	O	|	|	|	|	0.67
204.917	0.00	0.02	0.187	O	|	|	|	|	0.67
205.000	0.00	0.02	0.187	O	|	|	|	|	0.67
205.083	0.00	0.02	0.187	O	|	|	|	|	0.67
205.167	0.00	0.02	0.187	O	|	|	|	|	0.67
205.250	0.00	0.02	0.187	O	|	|	|	|	0.67
205.333	0.00	0.02	0.187	O	|	|	|	|	0.67
205.417	0.00	0.02	0.186	O	|	|	|	|	0.67
205.500	0.00	0.02	0.186	O	|	|	|	|	0.67
205.583	0.00	0.02	0.186	O	|	|	|	|	0.67
205.667	0.00	0.02	0.186	O	|	|	|	|	0.67
205.750	0.00	0.02	0.186	O	|	|	|	|	0.67
205.833	0.00	0.02	0.186	O	|	|	|	|	0.67
205.917	0.00	0.02	0.186	O	|	|	|	|	0.66
206.000	0.00	0.02	0.186	O	|	|	|	|	0.66
206.083	0.00	0.02	0.185	O	|	|	|	|	0.66
206.167	0.00	0.02	0.185	O	|	|	|	|	0.66
206.250	0.00	0.02	0.185	O	|	|	|	|	0.66
206.333	0.00	0.02	0.185	O	|	|	|	|	0.66
206.417	0.00	0.02	0.185	O	|	|	|	|	0.66
206.500	0.00	0.02	0.185	O	|	|	|	|	0.66
206.583	0.00	0.02	0.185	O	|	|	|	|	0.66
206.667	0.00	0.02	0.185	O	|	|	|	|	0.66
206.750	0.00	0.02	0.184	O	|	|	|	|	0.66
206.833	0.00	0.02	0.184	O	|	|	|	|	0.66
206.917	0.00	0.02	0.184	O	|	|	|	|	0.66
207.000	0.00	0.02	0.184	O	|	|	|	|	0.66

207.083	0.00	0.02	0.184	O	|	|	|	|	0.66
207.167	0.00	0.02	0.184	O	|	|	|	|	0.66
207.250	0.00	0.02	0.184	O	|	|	|	|	0.66
207.333	0.00	0.02	0.184	O	|	|	|	|	0.66
207.417	0.00	0.02	0.183	O	|	|	|	|	0.66
207.500	0.00	0.02	0.183	O	|	|	|	|	0.66
207.583	0.00	0.02	0.183	O	|	|	|	|	0.66
207.667	0.00	0.02	0.183	O	|	|	|	|	0.66
207.750	0.00	0.02	0.183	O	|	|	|	|	0.65
207.833	0.00	0.02	0.183	O	|	|	|	|	0.65
207.917	0.00	0.02	0.183	O	|	|	|	|	0.65
208.000	0.00	0.02	0.183	O	|	|	|	|	0.65
208.083	0.00	0.02	0.182	O	|	|	|	|	0.65
208.167	0.00	0.02	0.182	O	|	|	|	|	0.65
208.250	0.00	0.02	0.182	O	|	|	|	|	0.65
208.333	0.00	0.02	0.182	O	|	|	|	|	0.65
208.417	0.00	0.02	0.182	O	|	|	|	|	0.65
208.500	0.00	0.02	0.182	O	|	|	|	|	0.65
208.583	0.00	0.02	0.182	O	|	|	|	|	0.65
208.667	0.00	0.02	0.182	O	|	|	|	|	0.65
208.750	0.00	0.02	0.181	O	|	|	|	|	0.65
208.833	0.00	0.02	0.181	O	|	|	|	|	0.65
208.917	0.00	0.02	0.181	O	|	|	|	|	0.65
209.000	0.00	0.02	0.181	O	|	|	|	|	0.65
209.083	0.00	0.02	0.181	O	|	|	|	|	0.65
209.167	0.00	0.02	0.181	O	|	|	|	|	0.65
209.250	0.00	0.02	0.181	O	|	|	|	|	0.65
209.333	0.00	0.02	0.181	O	|	|	|	|	0.65
209.417	0.00	0.02	0.180	O	|	|	|	|	0.65
209.500	0.00	0.02	0.180	O	|	|	|	|	0.65
209.583	0.00	0.02	0.180	O	|	|	|	|	0.65
209.667	0.00	0.02	0.180	O	|	|	|	|	0.64
209.750	0.00	0.02	0.180	O	|	|	|	|	0.64
209.833	0.00	0.02	0.180	O	|	|	|	|	0.64
209.917	0.00	0.02	0.180	O	|	|	|	|	0.64
210.000	0.00	0.02	0.180	O	|	|	|	|	0.64
210.083	0.00	0.02	0.179	O	|	|	|	|	0.64
210.167	0.00	0.02	0.179	O	|	|	|	|	0.64
210.250	0.00	0.02	0.179	O	|	|	|	|	0.64
210.333	0.00	0.02	0.179	O	|	|	|	|	0.64
210.417	0.00	0.02	0.179	O	|	|	|	|	0.64
210.500	0.00	0.02	0.179	O	|	|	|	|	0.64
210.583	0.00	0.02	0.179	O	|	|	|	|	0.64
210.667	0.00	0.02	0.179	O	|	|	|	|	0.64
210.750	0.00	0.02	0.178	O	|	|	|	|	0.64
210.833	0.00	0.02	0.178	O	|	|	|	|	0.64
210.917	0.00	0.02	0.178	O	|	|	|	|	0.64
211.000	0.00	0.02	0.178	O	|	|	|	|	0.64
211.083	0.00	0.02	0.178	O	|	|	|	|	0.64
211.167	0.00	0.02	0.178	O	|	|	|	|	0.64
211.250	0.00	0.02	0.178	O	|	|	|	|	0.64
211.333	0.00	0.02	0.178	O	|	|	|	|	0.64
211.417	0.00	0.02	0.177	O	|	|	|	|	0.64
211.500	0.00	0.02	0.177	O	|	|	|	|	0.64
211.583	0.00	0.02	0.177	O	|	|	|	|	0.63
211.667	0.00	0.02	0.177	O	|	|	|	|	0.63
211.750	0.00	0.02	0.177	O	|	|	|	|	0.63
211.833	0.00	0.02	0.177	O	|	|	|	|	0.63
211.917	0.00	0.02	0.177	O	|	|	|	|	0.63
212.000	0.00	0.02	0.177	O	|	|	|	|	0.63
212.083	0.00	0.02	0.177	O	|	|	|	|	0.63
212.167	0.00	0.02	0.176	O	|	|	|	|	0.63
212.250	0.00	0.02	0.176	O	|	|	|	|	0.63
212.333	0.00	0.02	0.176	O	|	|	|	|	0.63
212.417	0.00	0.02	0.176	O	|	|	|	|	0.63
212.500	0.00	0.02	0.176	O	|	|	|	|	0.63
212.583	0.00	0.02	0.176	O	|	|	|	|	0.63
212.667	0.00	0.02	0.176	O	|	|	|	|	0.63
212.750	0.00	0.02	0.176	O	|	|	|	|	0.63
212.833	0.00	0.02	0.175	O	|	|	|	|	0.63
212.917	0.00	0.02	0.175	O	|	|	|	|	0.63
213.000	0.00	0.02	0.175	O	|	|	|	|	0.63
213.083	0.00	0.02	0.175	O	|	|	|	|	0.63

213.167	0.00	0.02	0.175	O	|	|	|	|	0.63
213.250	0.00	0.02	0.175	O	|	|	|	|	0.63
213.333	0.00	0.02	0.175	O	|	|	|	|	0.63
213.417	0.00	0.02	0.175	O	|	|	|	|	0.63
213.500	0.00	0.02	0.174	O	|	|	|	|	0.62
213.583	0.00	0.02	0.174	O	|	|	|	|	0.62
213.667	0.00	0.02	0.174	O	|	|	|	|	0.62
213.750	0.00	0.02	0.174	O	|	|	|	|	0.62
213.833	0.00	0.02	0.174	O	|	|	|	|	0.62
213.917	0.00	0.02	0.174	O	|	|	|	|	0.62
214.000	0.00	0.02	0.174	O	|	|	|	|	0.62
214.083	0.00	0.02	0.174	O	|	|	|	|	0.62
214.167	0.00	0.02	0.174	O	|	|	|	|	0.62
214.250	0.00	0.02	0.173	O	|	|	|	|	0.62
214.333	0.00	0.02	0.173	O	|	|	|	|	0.62
214.417	0.00	0.02	0.173	O	|	|	|	|	0.62
214.500	0.00	0.02	0.173	O	|	|	|	|	0.62
214.583	0.00	0.02	0.173	O	|	|	|	|	0.62
214.667	0.00	0.02	0.173	O	|	|	|	|	0.62
214.750	0.00	0.02	0.173	O	|	|	|	|	0.62
214.833	0.00	0.02	0.173	O	|	|	|	|	0.62
214.917	0.00	0.02	0.172	O	|	|	|	|	0.62
215.000	0.00	0.02	0.172	O	|	|	|	|	0.62
215.083	0.00	0.02	0.172	O	|	|	|	|	0.62
215.167	0.00	0.02	0.172	O	|	|	|	|	0.62
215.250	0.00	0.02	0.172	O	|	|	|	|	0.62
215.333	0.00	0.02	0.172	O	|	|	|	|	0.62
215.417	0.00	0.02	0.172	O	|	|	|	|	0.62
215.500	0.00	0.02	0.172	O	|	|	|	|	0.61
215.583	0.00	0.02	0.172	O	|	|	|	|	0.61
215.667	0.00	0.02	0.171	O	|	|	|	|	0.61
215.750	0.00	0.02	0.171	O	|	|	|	|	0.61
215.833	0.00	0.02	0.171	O	|	|	|	|	0.61
215.917	0.00	0.02	0.171	O	|	|	|	|	0.61
216.000	0.00	0.02	0.171	O	|	|	|	|	0.61
216.083	0.00	0.02	0.171	O	|	|	|	|	0.61
216.167	0.00	0.02	0.171	O	|	|	|	|	0.61
216.250	0.00	0.02	0.171	O	|	|	|	|	0.61
216.333	0.00	0.02	0.171	O	|	|	|	|	0.61
216.417	0.00	0.02	0.170	O	|	|	|	|	0.61
216.500	0.00	0.02	0.170	O	|	|	|	|	0.61
216.583	0.00	0.02	0.170	O	|	|	|	|	0.61
216.667	0.00	0.02	0.170	O	|	|	|	|	0.61
216.750	0.00	0.02	0.170	O	|	|	|	|	0.61
216.833	0.00	0.02	0.170	O	|	|	|	|	0.61
216.917	0.00	0.02	0.170	O	|	|	|	|	0.61
217.000	0.00	0.02	0.170	O	|	|	|	|	0.61
217.083	0.00	0.02	0.169	O	|	|	|	|	0.61
217.167	0.00	0.02	0.169	O	|	|	|	|	0.61
217.250	0.00	0.02	0.169	O	|	|	|	|	0.61
217.333	0.00	0.02	0.169	O	|	|	|	|	0.61
217.417	0.00	0.02	0.169	O	|	|	|	|	0.61
217.500	0.00	0.02	0.169	O	|	|	|	|	0.60
217.583	0.00	0.02	0.169	O	|	|	|	|	0.60
217.667	0.00	0.02	0.169	O	|	|	|	|	0.60
217.750	0.00	0.02	0.169	O	|	|	|	|	0.60
217.833	0.00	0.02	0.168	O	|	|	|	|	0.60
217.917	0.00	0.02	0.168	O	|	|	|	|	0.60
218.000	0.00	0.02	0.168	O	|	|	|	|	0.60
218.083	0.00	0.02	0.168	O	|	|	|	|	0.60
218.167	0.00	0.02	0.168	O	|	|	|	|	0.60
218.250	0.00	0.02	0.168	O	|	|	|	|	0.60
218.333	0.00	0.02	0.168	O	|	|	|	|	0.60
218.417	0.00	0.02	0.168	O	|	|	|	|	0.60
218.500	0.00	0.02	0.168	O	|	|	|	|	0.60
218.583	0.00	0.02	0.167	O	|	|	|	|	0.60
218.667	0.00	0.02	0.167	O	|	|	|	|	0.60
218.750	0.00	0.02	0.167	O	|	|	|	|	0.60
218.833	0.00	0.02	0.167	O	|	|	|	|	0.60
218.917	0.00	0.02	0.167	O	|	|	|	|	0.60
219.000	0.00	0.02	0.167	O	|	|	|	|	0.60
219.083	0.00	0.02	0.167	O	|	|	|	|	0.60
219.167	0.00	0.02	0.167	O	|	|	|	|	0.60

219.250	0.00	0.02	0.166	O	|	|	|	|	0.60
219.333	0.00	0.02	0.166	O	|	|	|	|	0.60
219.417	0.00	0.02	0.166	O	|	|	|	|	0.60
219.500	0.00	0.02	0.166	O	|	|	|	|	0.59
219.583	0.00	0.02	0.166	O	|	|	|	|	0.59
219.667	0.00	0.02	0.166	O	|	|	|	|	0.59
219.750	0.00	0.02	0.166	O	|	|	|	|	0.59
219.833	0.00	0.02	0.166	O	|	|	|	|	0.59
219.917	0.00	0.02	0.166	O	|	|	|	|	0.59
220.000	0.00	0.02	0.165	O	|	|	|	|	0.59
220.083	0.00	0.02	0.165	O	|	|	|	|	0.59
220.167	0.00	0.02	0.165	O	|	|	|	|	0.59
220.250	0.00	0.02	0.165	O	|	|	|	|	0.59
220.333	0.00	0.02	0.165	O	|	|	|	|	0.59
220.417	0.00	0.02	0.165	O	|	|	|	|	0.59
220.500	0.00	0.02	0.165	O	|	|	|	|	0.59
220.583	0.00	0.02	0.165	O	|	|	|	|	0.59
220.667	0.00	0.02	0.165	O	|	|	|	|	0.59
220.750	0.00	0.02	0.164	O	|	|	|	|	0.59
220.833	0.00	0.02	0.164	O	|	|	|	|	0.59
220.917	0.00	0.02	0.164	O	|	|	|	|	0.59
221.000	0.00	0.02	0.164	O	|	|	|	|	0.59
221.083	0.00	0.02	0.164	O	|	|	|	|	0.59
221.167	0.00	0.02	0.164	O	|	|	|	|	0.59
221.250	0.00	0.02	0.164	O	|	|	|	|	0.59
221.333	0.00	0.02	0.164	O	|	|	|	|	0.59
221.417	0.00	0.02	0.164	O	|	|	|	|	0.59
221.500	0.00	0.02	0.163	O	|	|	|	|	0.59
221.583	0.00	0.02	0.163	O	|	|	|	|	0.58
221.667	0.00	0.02	0.163	O	|	|	|	|	0.58
221.750	0.00	0.02	0.163	O	|	|	|	|	0.58
221.833	0.00	0.02	0.163	O	|	|	|	|	0.58
221.917	0.00	0.02	0.163	O	|	|	|	|	0.58
222.000	0.00	0.02	0.163	O	|	|	|	|	0.58
222.083	0.00	0.02	0.163	O	|	|	|	|	0.58
222.167	0.00	0.02	0.163	O	|	|	|	|	0.58
222.250	0.00	0.02	0.162	O	|	|	|	|	0.58
222.333	0.00	0.02	0.162	O	|	|	|	|	0.58
222.417	0.00	0.02	0.162	O	|	|	|	|	0.58
222.500	0.00	0.02	0.162	O	|	|	|	|	0.58
222.583	0.00	0.02	0.162	O	|	|	|	|	0.58
222.667	0.00	0.02	0.162	O	|	|	|	|	0.58
222.750	0.00	0.02	0.162	O	|	|	|	|	0.58
222.833	0.00	0.02	0.162	O	|	|	|	|	0.58
222.917	0.00	0.02	0.162	O	|	|	|	|	0.58
223.000	0.00	0.02	0.161	O	|	|	|	|	0.58
223.083	0.00	0.02	0.161	O	|	|	|	|	0.58
223.167	0.00	0.02	0.161	O	|	|	|	|	0.58
223.250	0.00	0.02	0.161	O	|	|	|	|	0.58
223.333	0.00	0.02	0.161	O	|	|	|	|	0.58
223.417	0.00	0.02	0.161	O	|	|	|	|	0.58
223.500	0.00	0.02	0.161	O	|	|	|	|	0.58
223.583	0.00	0.02	0.161	O	|	|	|	|	0.58
223.667	0.00	0.02	0.161	O	|	|	|	|	0.57
223.750	0.00	0.02	0.160	O	|	|	|	|	0.57
223.833	0.00	0.02	0.160	O	|	|	|	|	0.57
223.917	0.00	0.02	0.160	O	|	|	|	|	0.57
224.000	0.00	0.02	0.160	O	|	|	|	|	0.57
224.083	0.00	0.02	0.160	O	|	|	|	|	0.57
224.167	0.00	0.02	0.160	O	|	|	|	|	0.57
224.250	0.00	0.02	0.160	O	|	|	|	|	0.57
224.333	0.00	0.02	0.160	O	|	|	|	|	0.57
224.417	0.00	0.02	0.160	O	|	|	|	|	0.57
224.500	0.00	0.02	0.160	O	|	|	|	|	0.57
224.583	0.00	0.02	0.159	O	|	|	|	|	0.57
224.667	0.00	0.02	0.159	O	|	|	|	|	0.57
224.750	0.00	0.02	0.159	O	|	|	|	|	0.57
224.833	0.00	0.02	0.159	O	|	|	|	|	0.57
224.917	0.00	0.02	0.159	O	|	|	|	|	0.57
225.000	0.00	0.02	0.159	O	|	|	|	|	0.57
225.083	0.00	0.02	0.159	O	|	|	|	|	0.57
225.167	0.00	0.02	0.159	O	|	|	|	|	0.57
225.250	0.00	0.02	0.159	O	|	|	|	|	0.57

225.333	0.00	0.02	0.158	O	|	|	|	|	0.57
225.417	0.00	0.02	0.158	O	|	|	|	|	0.57
225.500	0.00	0.02	0.158	O	|	|	|	|	0.57
225.583	0.00	0.02	0.158	O	|	|	|	|	0.57
225.667	0.00	0.02	0.158	O	|	|	|	|	0.57
225.750	0.00	0.02	0.158	O	|	|	|	|	0.57
225.833	0.00	0.02	0.158	O	|	|	|	|	0.56
225.917	0.00	0.02	0.158	O	|	|	|	|	0.56
226.000	0.00	0.02	0.158	O	|	|	|	|	0.56
226.083	0.00	0.02	0.157	O	|	|	|	|	0.56
226.167	0.00	0.02	0.157	O	|	|	|	|	0.56
226.250	0.00	0.02	0.157	O	|	|	|	|	0.56
226.333	0.00	0.02	0.157	O	|	|	|	|	0.56
226.417	0.00	0.02	0.157	O	|	|	|	|	0.56
226.500	0.00	0.02	0.157	O	|	|	|	|	0.56
226.583	0.00	0.02	0.157	O	|	|	|	|	0.56
226.667	0.00	0.02	0.157	O	|	|	|	|	0.56
226.750	0.00	0.02	0.157	O	|	|	|	|	0.56
226.833	0.00	0.02	0.157	O	|	|	|	|	0.56
226.917	0.00	0.02	0.156	O	|	|	|	|	0.56
227.000	0.00	0.02	0.156	O	|	|	|	|	0.56
227.083	0.00	0.02	0.156	O	|	|	|	|	0.56
227.167	0.00	0.02	0.156	O	|	|	|	|	0.56
227.250	0.00	0.02	0.156	O	|	|	|	|	0.56
227.333	0.00	0.02	0.156	O	|	|	|	|	0.56
227.417	0.00	0.02	0.156	O	|	|	|	|	0.56
227.500	0.00	0.02	0.156	O	|	|	|	|	0.56
227.583	0.00	0.02	0.156	O	|	|	|	|	0.56
227.667	0.00	0.02	0.155	O	|	|	|	|	0.56
227.750	0.00	0.02	0.155	O	|	|	|	|	0.56
227.833	0.00	0.02	0.155	O	|	|	|	|	0.56
227.917	0.00	0.02	0.155	O	|	|	|	|	0.56
228.000	0.00	0.02	0.155	O	|	|	|	|	0.56
228.083	0.00	0.02	0.155	O	|	|	|	|	0.55
228.167	0.00	0.02	0.155	O	|	|	|	|	0.55
228.250	0.00	0.02	0.155	O	|	|	|	|	0.55
228.333	0.00	0.02	0.155	O	|	|	|	|	0.55
228.417	0.00	0.02	0.154	O	|	|	|	|	0.55
228.500	0.00	0.02	0.154	O	|	|	|	|	0.55
228.583	0.00	0.02	0.154	O	|	|	|	|	0.55
228.667	0.00	0.02	0.154	O	|	|	|	|	0.55
228.750	0.00	0.02	0.154	O	|	|	|	|	0.55
228.833	0.00	0.02	0.154	O	|	|	|	|	0.55
228.917	0.00	0.02	0.154	O	|	|	|	|	0.55
229.000	0.00	0.02	0.154	O	|	|	|	|	0.55
229.083	0.00	0.02	0.154	O	|	|	|	|	0.55
229.167	0.00	0.02	0.154	O	|	|	|	|	0.55
229.250	0.00	0.02	0.153	O	|	|	|	|	0.55
229.333	0.00	0.02	0.153	O	|	|	|	|	0.55
229.417	0.00	0.02	0.153	O	|	|	|	|	0.55
229.500	0.00	0.02	0.153	O	|	|	|	|	0.55
229.583	0.00	0.02	0.153	O	|	|	|	|	0.55
229.667	0.00	0.02	0.153	O	|	|	|	|	0.55
229.750	0.00	0.02	0.153	O	|	|	|	|	0.55
229.833	0.00	0.02	0.153	O	|	|	|	|	0.55
229.917	0.00	0.02	0.153	O	|	|	|	|	0.55
230.000	0.00	0.02	0.153	O	|	|	|	|	0.55
230.083	0.00	0.02	0.152	O	|	|	|	|	0.55
230.167	0.00	0.02	0.152	O	|	|	|	|	0.55
230.250	0.00	0.02	0.152	O	|	|	|	|	0.54
230.333	0.00	0.02	0.152	O	|	|	|	|	0.54
230.417	0.00	0.02	0.152	O	|	|	|	|	0.54
230.500	0.00	0.02	0.152	O	|	|	|	|	0.54
230.583	0.00	0.01	0.152	O	|	|	|	|	0.54
230.667	0.00	0.01	0.152	O	|	|	|	|	0.54
230.750	0.00	0.01	0.152	O	|	|	|	|	0.54
230.833	0.00	0.01	0.151	O	|	|	|	|	0.54
230.917	0.00	0.01	0.151	O	|	|	|	|	0.54
231.000	0.00	0.01	0.151	O	|	|	|	|	0.54
231.083	0.00	0.01	0.151	O	|	|	|	|	0.54
231.167	0.00	0.01	0.151	O	|	|	|	|	0.54
231.250	0.00	0.01	0.151	O	|	|	|	|	0.54
231.333	0.00	0.01	0.151	O	|	|	|	|	0.54

231.417	0.00	0.01	0.151	O	|	|	|	|	0.54
231.500	0.00	0.01	0.151	O	|	|	|	|	0.54
231.583	0.00	0.01	0.151	O	|	|	|	|	0.54
231.667	0.00	0.01	0.150	O	|	|	|	|	0.54
231.750	0.00	0.01	0.150	O	|	|	|	|	0.54
231.833	0.00	0.01	0.150	O	|	|	|	|	0.54
231.917	0.00	0.01	0.150	O	|	|	|	|	0.54
232.000	0.00	0.01	0.150	O	|	|	|	|	0.54
232.083	0.00	0.01	0.150	O	|	|	|	|	0.54
232.167	0.00	0.01	0.150	O	|	|	|	|	0.54
232.250	0.00	0.01	0.150	O	|	|	|	|	0.54
232.333	0.00	0.01	0.150	O	|	|	|	|	0.54
232.417	0.00	0.01	0.150	O	|	|	|	|	0.54
232.500	0.00	0.01	0.149	O	|	|	|	|	0.53
232.583	0.00	0.01	0.149	O	|	|	|	|	0.53
232.667	0.00	0.01	0.149	O	|	|	|	|	0.53
232.750	0.00	0.01	0.149	O	|	|	|	|	0.53
232.833	0.00	0.01	0.149	O	|	|	|	|	0.53
232.917	0.00	0.01	0.149	O	|	|	|	|	0.53
233.000	0.00	0.01	0.149	O	|	|	|	|	0.53
233.083	0.00	0.01	0.149	O	|	|	|	|	0.53
233.167	0.00	0.01	0.149	O	|	|	|	|	0.53
233.250	0.00	0.01	0.149	O	|	|	|	|	0.53
233.333	0.00	0.01	0.148	O	|	|	|	|	0.53
233.417	0.00	0.01	0.148	O	|	|	|	|	0.53
233.500	0.00	0.01	0.148	O	|	|	|	|	0.53
233.583	0.00	0.01	0.148	O	|	|	|	|	0.53
233.667	0.00	0.01	0.148	O	|	|	|	|	0.53
233.750	0.00	0.01	0.148	O	|	|	|	|	0.53
233.833	0.00	0.01	0.148	O	|	|	|	|	0.53
233.917	0.00	0.01	0.148	O	|	|	|	|	0.53
234.000	0.00	0.01	0.148	O	|	|	|	|	0.53
234.083	0.00	0.01	0.148	O	|	|	|	|	0.53
234.167	0.00	0.01	0.147	O	|	|	|	|	0.53
234.250	0.00	0.01	0.147	O	|	|	|	|	0.53
234.333	0.00	0.01	0.147	O	|	|	|	|	0.53
234.417	0.00	0.01	0.147	O	|	|	|	|	0.53
234.500	0.00	0.01	0.147	O	|	|	|	|	0.53
234.583	0.00	0.01	0.147	O	|	|	|	|	0.53
234.667	0.00	0.01	0.147	O	|	|	|	|	0.53
234.750	0.00	0.01	0.147	O	|	|	|	|	0.53
234.833	0.00	0.01	0.147	O	|	|	|	|	0.52
234.917	0.00	0.01	0.147	O	|	|	|	|	0.52
235.000	0.00	0.01	0.146	O	|	|	|	|	0.52
235.083	0.00	0.01	0.146	O	|	|	|	|	0.52
235.167	0.00	0.01	0.146	O	|	|	|	|	0.52
235.250	0.00	0.01	0.146	O	|	|	|	|	0.52
235.333	0.00	0.01	0.146	O	|	|	|	|	0.52
235.417	0.00	0.01	0.146	O	|	|	|	|	0.52
235.500	0.00	0.01	0.146	O	|	|	|	|	0.52
235.583	0.00	0.01	0.146	O	|	|	|	|	0.52
235.667	0.00	0.01	0.146	O	|	|	|	|	0.52
235.750	0.00	0.01	0.146	O	|	|	|	|	0.52
235.833	0.00	0.01	0.145	O	|	|	|	|	0.52
235.917	0.00	0.01	0.145	O	|	|	|	|	0.52
236.000	0.00	0.01	0.145	O	|	|	|	|	0.52
236.083	0.00	0.01	0.145	O	|	|	|	|	0.52
236.167	0.00	0.01	0.145	O	|	|	|	|	0.52
236.250	0.00	0.01	0.145	O	|	|	|	|	0.52
236.333	0.00	0.01	0.145	O	|	|	|	|	0.52
236.417	0.00	0.01	0.145	O	|	|	|	|	0.52
236.500	0.00	0.01	0.145	O	|	|	|	|	0.52
236.583	0.00	0.01	0.145	O	|	|	|	|	0.52
236.667	0.00	0.01	0.144	O	|	|	|	|	0.52
236.750	0.00	0.01	0.144	O	|	|	|	|	0.52
236.833	0.00	0.01	0.144	O	|	|	|	|	0.52
236.917	0.00	0.01	0.144	O	|	|	|	|	0.52
237.000	0.00	0.01	0.144	O	|	|	|	|	0.52
237.083	0.00	0.01	0.144	O	|	|	|	|	0.52
237.167	0.00	0.01	0.144	O	|	|	|	|	0.51
237.250	0.00	0.01	0.144	O	|	|	|	|	0.51
237.333	0.00	0.01	0.144	O	|	|	|	|	0.51
237.417	0.00	0.01	0.144	O	|	|	|	|	0.51

237.500	0.00	0.01	0.143	O	|	|	|	|	0.51
237.583	0.00	0.01	0.143	O	|	|	|	|	0.51
237.667	0.00	0.01	0.143	O	|	|	|	|	0.51
237.750	0.00	0.01	0.143	O	|	|	|	|	0.51
237.833	0.00	0.01	0.143	O	|	|	|	|	0.51
237.917	0.00	0.01	0.143	O	|	|	|	|	0.51
238.000	0.00	0.01	0.143	O	|	|	|	|	0.51
238.083	0.00	0.01	0.143	O	|	|	|	|	0.51
238.167	0.00	0.01	0.143	O	|	|	|	|	0.51
238.250	0.00	0.01	0.143	O	|	|	|	|	0.51
238.333	0.00	0.01	0.142	O	|	|	|	|	0.51
238.417	0.00	0.01	0.142	O	|	|	|	|	0.51
238.500	0.00	0.01	0.142	O	|	|	|	|	0.51
238.583	0.00	0.01	0.142	O	|	|	|	|	0.51
238.667	0.00	0.01	0.142	O	|	|	|	|	0.51
238.750	0.00	0.01	0.142	O	|	|	|	|	0.51
238.833	0.00	0.01	0.142	O	|	|	|	|	0.51
238.917	0.00	0.01	0.142	O	|	|	|	|	0.51
239.000	0.00	0.01	0.142	O	|	|	|	|	0.51
239.083	0.00	0.01	0.142	O	|	|	|	|	0.51
239.167	0.00	0.01	0.142	O	|	|	|	|	0.51
239.250	0.00	0.01	0.141	O	|	|	|	|	0.51
239.333	0.00	0.01	0.141	O	|	|	|	|	0.51
239.417	0.00	0.01	0.141	O	|	|	|	|	0.51
239.500	0.00	0.01	0.141	O	|	|	|	|	0.51
239.583	0.00	0.01	0.141	O	|	|	|	|	0.50
239.667	0.00	0.01	0.141	O	|	|	|	|	0.50
239.750	0.00	0.01	0.141	O	|	|	|	|	0.50
239.833	0.00	0.01	0.141	O	|	|	|	|	0.50
239.917	0.00	0.01	0.141	O	|	|	|	|	0.50
240.000	0.00	0.01	0.141	O	|	|	|	|	0.50
240.083	0.00	0.01	0.140	O	|	|	|	|	0.50
240.167	0.00	0.01	0.140	O	|	|	|	|	0.50
240.250	0.00	0.01	0.140	O	|	|	|	|	0.50
240.333	0.00	0.01	0.140	O	|	|	|	|	0.50
240.417	0.00	0.01	0.140	O	|	|	|	|	0.50
240.500	0.00	0.01	0.140	O	|	|	|	|	0.50
240.583	0.00	0.01	0.140	O	|	|	|	|	0.50
240.667	0.00	0.01	0.140	O	|	|	|	|	0.50
240.750	0.00	0.01	0.140	O	|	|	|	|	0.50
240.833	0.00	0.01	0.140	O	|	|	|	|	0.50
240.917	0.00	0.01	0.140	O	|	|	|	|	0.50
241.000	0.00	0.01	0.139	O	|	|	|	|	0.50
241.083	0.00	0.01	0.139	O	|	|	|	|	0.50
241.167	0.00	0.01	0.139	O	|	|	|	|	0.50
241.250	0.00	0.01	0.139	O	|	|	|	|	0.50
241.333	0.00	0.01	0.139	O	|	|	|	|	0.50
241.417	0.00	0.01	0.139	O	|	|	|	|	0.50
241.500	0.00	0.01	0.139	O	|	|	|	|	0.50
241.583	0.00	0.01	0.139	O	|	|	|	|	0.50
241.667	0.00	0.01	0.139	O	|	|	|	|	0.50
241.750	0.00	0.01	0.139	O	|	|	|	|	0.50
241.833	0.00	0.01	0.138	O	|	|	|	|	0.50
241.917	0.00	0.01	0.138	O	|	|	|	|	0.50
242.000	0.00	0.01	0.138	O	|	|	|	|	0.50
242.083	0.00	0.01	0.138	O	|	|	|	|	0.49
242.167	0.00	0.01	0.138	O	|	|	|	|	0.49
242.250	0.00	0.01	0.138	O	|	|	|	|	0.49
242.333	0.00	0.01	0.138	O	|	|	|	|	0.49
242.417	0.00	0.01	0.138	O	|	|	|	|	0.49
242.500	0.00	0.01	0.138	O	|	|	|	|	0.49
242.583	0.00	0.01	0.138	O	|	|	|	|	0.49
242.667	0.00	0.01	0.138	O	|	|	|	|	0.49
242.750	0.00	0.01	0.137	O	|	|	|	|	0.49
242.833	0.00	0.01	0.137	O	|	|	|	|	0.49
242.917	0.00	0.01	0.137	O	|	|	|	|	0.49
243.000	0.00	0.01	0.137	O	|	|	|	|	0.49
243.083	0.00	0.01	0.137	O	|	|	|	|	0.49
243.167	0.00	0.01	0.137	O	|	|	|	|	0.49
243.250	0.00	0.01	0.137	O	|	|	|	|	0.49
243.333	0.00	0.01	0.137	O	|	|	|	|	0.49
243.417	0.00	0.01	0.137	O	|	|	|	|	0.49
243.500	0.00	0.01	0.137	O	|	|	|	|	0.49

243.583	0.00	0.01	0.137	O					0.49
243.667	0.00	0.01	0.136	O					0.49
243.750	0.00	0.01	0.136	O					0.49
243.833	0.00	0.01	0.136	O					0.49
243.917	0.00	0.01	0.136	O					0.49
244.000	0.00	0.01	0.136	O					0.49
244.083	0.00	0.01	0.136	O					0.49
244.167	0.00	0.01	0.136	O					0.49
244.250	0.00	0.01	0.136	O					0.49
244.333	0.00	0.01	0.136	O					0.49
244.417	0.00	0.01	0.136	O					0.49
244.500	0.00	0.01	0.135	O					0.49
244.583	0.00	0.01	0.135	O					0.48
244.667	0.00	0.01	0.135	O					0.48
244.750	0.00	0.01	0.135	O					0.48
244.833	0.00	0.01	0.135	O					0.48
244.917	0.00	0.01	0.135	O					0.48
245.000	0.00	0.01	0.135	O					0.48
245.083	0.00	0.01	0.135	O					0.48
245.167	0.00	0.01	0.135	O					0.48
245.250	0.00	0.01	0.135	O					0.48
245.333	0.00	0.01	0.135	O					0.48
245.417	0.00	0.01	0.134	O					0.48
245.500	0.00	0.01	0.134	O					0.48
245.583	0.00	0.01	0.134	O					0.48
245.667	0.00	0.01	0.134	O					0.48
245.750	0.00	0.01	0.134	O					0.48
245.833	0.00	0.01	0.134	O					0.48
245.917	0.00	0.01	0.134	O					0.48
246.000	0.00	0.01	0.134	O					0.48
246.083	0.00	0.01	0.134	O					0.48
246.167	0.00	0.01	0.134	O					0.48
246.250	0.00	0.01	0.134	O					0.48
246.333	0.00	0.01	0.133	O					0.48
246.417	0.00	0.01	0.133	O					0.48
246.500	0.00	0.01	0.133	O					0.48
246.583	0.00	0.01	0.133	O					0.48
246.667	0.00	0.01	0.133	O					0.48
246.750	0.00	0.01	0.133	O					0.48
246.833	0.00	0.01	0.133	O					0.48
246.917	0.00	0.01	0.133	O					0.48
247.000	0.00	0.01	0.133	O					0.48
247.083	0.00	0.01	0.133	O					0.47
247.167	0.00	0.01	0.133	O					0.47
247.250	0.00	0.01	0.132	O					0.47
247.333	0.00	0.01	0.132	O					0.47
247.417	0.00	0.01	0.132	O					0.47
247.500	0.00	0.01	0.132	O					0.47
247.583	0.00	0.01	0.132	O					0.47
247.667	0.00	0.01	0.132	O					0.47
247.750	0.00	0.01	0.132	O					0.47
247.833	0.00	0.01	0.132	O					0.47
247.917	0.00	0.01	0.132	O					0.47
248.000	0.00	0.01	0.132	O					0.47
248.083	0.00	0.01	0.132	O					0.47
248.167	0.00	0.01	0.131	O					0.47
248.250	0.00	0.01	0.131	O					0.47
248.333	0.00	0.01	0.131	O					0.47
248.417	0.00	0.01	0.131	O					0.47
248.500	0.00	0.01	0.131	O					0.47
248.583	0.00	0.01	0.131	O					0.47
248.667	0.00	0.01	0.131	O					0.47
248.750	0.00	0.01	0.131	O					0.47
248.833	0.00	0.01	0.131	O					0.47
248.917	0.00	0.01	0.131	O					0.47
249.000	0.00	0.01	0.131	O					0.47
249.083	0.00	0.01	0.131	O					0.47
249.167	0.00	0.01	0.130	O					0.47
249.250	0.00	0.01	0.130	O					0.47
249.333	0.00	0.01	0.130	O					0.47
249.417	0.00	0.01	0.130	O					0.47
249.500	0.00	0.01	0.130	O					0.47
249.583	0.00	0.01	0.130	O					0.47

249.667	0.00	0.01	0.130	O					0.47
249.750	0.00	0.01	0.130	O					0.46
249.833	0.00	0.01	0.130	O					0.46
249.917	0.00	0.01	0.130	O					0.46
250.000	0.00	0.01	0.130	O					0.46
250.083	0.00	0.01	0.129	O					0.46
250.167	0.00	0.01	0.129	O					0.46
250.250	0.00	0.01	0.129	O					0.46
250.333	0.00	0.01	0.129	O					0.46
250.417	0.00	0.01	0.129	O					0.46
250.500	0.00	0.01	0.129	O					0.46
250.583	0.00	0.01	0.129	O					0.46
250.667	0.00	0.01	0.129	O					0.46
250.750	0.00	0.01	0.129	O					0.46
250.833	0.00	0.01	0.129	O					0.46
250.917	0.00	0.01	0.129	O					0.46
251.000	0.00	0.01	0.128	O					0.46
251.083	0.00	0.01	0.128	O					0.46
251.167	0.00	0.01	0.128	O					0.46
251.250	0.00	0.01	0.128	O					0.46
251.333	0.00	0.01	0.128	O					0.46
251.417	0.00	0.01	0.128	O					0.46
251.500	0.00	0.01	0.128	O					0.46
251.583	0.00	0.01	0.128	O					0.46
251.667	0.00	0.01	0.128	O					0.46
251.750	0.00	0.01	0.128	O					0.46
251.833	0.00	0.01	0.128	O					0.46
251.917	0.00	0.01	0.128	O					0.46
252.000	0.00	0.01	0.127	O					0.46
252.083	0.00	0.01	0.127	O					0.46
252.167	0.00	0.01	0.127	O					0.46
252.250	0.00	0.01	0.127	O					0.46
252.333	0.00	0.01	0.127	O					0.46
252.417	0.00	0.01	0.127	O					0.45
252.500	0.00	0.01	0.127	O					0.45
252.583	0.00	0.01	0.127	O					0.45
252.667	0.00	0.01	0.127	O					0.45
252.750	0.00	0.01	0.127	O					0.45
252.833	0.00	0.01	0.127	O					0.45
252.917	0.00	0.01	0.126	O					0.45
253.000	0.00	0.01	0.126	O					0.45
253.083	0.00	0.01	0.126	O					0.45
253.167	0.00	0.01	0.126	O					0.45
253.250	0.00	0.01	0.126	O					0.45
253.333	0.00	0.01	0.126	O					0.45
253.417	0.00	0.01	0.126	O					0.45
253.500	0.00	0.01	0.126	O					0.45
253.583	0.00	0.01	0.126	O					0.45
253.667	0.00	0.01	0.126	O					0.45
253.750	0.00	0.01	0.126	O					0.45
253.833	0.00	0.01	0.126	O					0.45
253.917	0.00	0.01	0.125	O					0.45
254.000	0.00	0.01	0.125	O					0.45
254.083	0.00	0.01	0.125	O					0.45
254.167	0.00	0.01	0.125	O					0.45
254.250	0.00	0.01	0.125	O					0.45
254.333	0.00	0.01	0.125	O					0.45
254.417	0.00	0.01	0.125	O					0.45
254.500	0.00	0.01	0.125	O					0.45
254.583	0.00	0.01	0.125	O					0.45
254.667	0.00	0.01	0.125	O					0.45
254.750	0.00	0.01	0.125	O					0.45
254.833	0.00	0.01	0.125	O					0.45
254.917	0.00	0.01	0.124	O					0.45
255.000	0.00	0.01	0.124	O					0.45
255.083	0.00	0.01	0.124	O					0.44
255.167	0.00	0.01	0.124	O					0.44
255.250	0.00	0.01	0.124	O					0.44
255.333	0.00	0.01	0.124	O					0.44
255.417	0.00	0.01	0.124	O					0.44
255.500	0.00	0.01	0.124	O					0.44
255.583	0.00	0.01	0.124	O					0.44
255.667	0.00	0.01	0.124	O					0.44

255.750	0.00	0.01	0.124	O	|	|	|	|	0.44
255.833	0.00	0.01	0.124	O	|	|	|	|	0.44
255.917	0.00	0.01	0.123	O	|	|	|	|	0.44
256.000	0.00	0.01	0.123	O	|	|	|	|	0.44
256.083	0.00	0.01	0.123	O	|	|	|	|	0.44
256.167	0.00	0.01	0.123	O	|	|	|	|	0.44
256.250	0.00	0.01	0.123	O	|	|	|	|	0.44
256.333	0.00	0.01	0.123	O	|	|	|	|	0.44
256.417	0.00	0.01	0.123	O	|	|	|	|	0.44
256.500	0.00	0.01	0.123	O	|	|	|	|	0.44
256.583	0.00	0.01	0.123	O	|	|	|	|	0.44
256.667	0.00	0.01	0.123	O	|	|	|	|	0.44
256.750	0.00	0.01	0.123	O	|	|	|	|	0.44
256.833	0.00	0.01	0.123	O	|	|	|	|	0.44
256.917	0.00	0.01	0.122	O	|	|	|	|	0.44
257.000	0.00	0.01	0.122	O	|	|	|	|	0.44
257.083	0.00	0.01	0.122	O	|	|	|	|	0.44
257.167	0.00	0.01	0.122	O	|	|	|	|	0.44
257.250	0.00	0.01	0.122	O	|	|	|	|	0.44
257.333	0.00	0.01	0.122	O	|	|	|	|	0.44
257.417	0.00	0.01	0.122	O	|	|	|	|	0.44
257.500	0.00	0.01	0.122	O	|	|	|	|	0.44
257.583	0.00	0.01	0.122	O	|	|	|	|	0.44
257.667	0.00	0.01	0.122	O	|	|	|	|	0.44
257.750	0.00	0.01	0.122	O	|	|	|	|	0.44
257.833	0.00	0.01	0.122	O	|	|	|	|	0.44
257.917	0.00	0.01	0.121	O	|	|	|	|	0.43
258.000	0.00	0.01	0.121	O	|	|	|	|	0.43
258.083	0.00	0.01	0.121	O	|	|	|	|	0.43
258.167	0.00	0.01	0.121	O	|	|	|	|	0.43
258.250	0.00	0.01	0.121	O	|	|	|	|	0.43
258.333	0.00	0.01	0.121	O	|	|	|	|	0.43
258.417	0.00	0.01	0.121	O	|	|	|	|	0.43
258.500	0.00	0.01	0.121	O	|	|	|	|	0.43
258.583	0.00	0.01	0.121	O	|	|	|	|	0.43
258.667	0.00	0.01	0.121	O	|	|	|	|	0.43
258.750	0.00	0.01	0.121	O	|	|	|	|	0.43
258.833	0.00	0.01	0.121	O	|	|	|	|	0.43
258.917	0.00	0.01	0.120	O	|	|	|	|	0.43
259.000	0.00	0.01	0.120	O	|	|	|	|	0.43
259.083	0.00	0.01	0.120	O	|	|	|	|	0.43
259.167	0.00	0.01	0.120	O	|	|	|	|	0.43
259.250	0.00	0.01	0.120	O	|	|	|	|	0.43
259.333	0.00	0.01	0.120	O	|	|	|	|	0.43
259.417	0.00	0.01	0.120	O	|	|	|	|	0.43
259.500	0.00	0.01	0.120	O	|	|	|	|	0.43
259.583	0.00	0.01	0.120	O	|	|	|	|	0.43
259.667	0.00	0.01	0.120	O	|	|	|	|	0.43
259.750	0.00	0.01	0.120	O	|	|	|	|	0.43
259.833	0.00	0.01	0.120	O	|	|	|	|	0.43
259.917	0.00	0.01	0.119	O	|	|	|	|	0.43
260.000	0.00	0.01	0.119	O	|	|	|	|	0.43
260.083	0.00	0.01	0.119	O	|	|	|	|	0.43
260.167	0.00	0.01	0.119	O	|	|	|	|	0.43
260.250	0.00	0.01	0.119	O	|	|	|	|	0.43
260.333	0.00	0.01	0.119	O	|	|	|	|	0.43
260.417	0.00	0.01	0.119	O	|	|	|	|	0.43
260.500	0.00	0.01	0.119	O	|	|	|	|	0.43
260.583	0.00	0.01	0.119	O	|	|	|	|	0.43
260.667	0.00	0.01	0.119	O	|	|	|	|	0.43
260.750	0.00	0.01	0.119	O	|	|	|	|	0.42
260.833	0.00	0.01	0.119	O	|	|	|	|	0.42
260.917	0.00	0.01	0.118	O	|	|	|	|	0.42
261.000	0.00	0.01	0.118	O	|	|	|	|	0.42
261.083	0.00	0.01	0.118	O	|	|	|	|	0.42
261.167	0.00	0.01	0.118	O	|	|	|	|	0.42
261.250	0.00	0.01	0.118	O	|	|	|	|	0.42
261.333	0.00	0.01	0.118	O	|	|	|	|	0.42
261.417	0.00	0.01	0.118	O	|	|	|	|	0.42
261.500	0.00	0.01	0.118	O	|	|	|	|	0.42
261.583	0.00	0.01	0.118	O	|	|	|	|	0.42
261.667	0.00	0.01	0.118	O	|	|	|	|	0.42
261.750	0.00	0.01	0.118	O	|	|	|	|	0.42

261.833	0.00	0.01	0.118	O	|	|	|	|	0.42
261.917	0.00	0.01	0.118	O	|	|	|	|	0.42
262.000	0.00	0.01	0.117	O	|	|	|	|	0.42
262.083	0.00	0.01	0.117	O	|	|	|	|	0.42
262.167	0.00	0.01	0.117	O	|	|	|	|	0.42
262.250	0.00	0.01	0.117	O	|	|	|	|	0.42
262.333	0.00	0.01	0.117	O	|	|	|	|	0.42
262.417	0.00	0.01	0.117	O	|	|	|	|	0.42
262.500	0.00	0.01	0.117	O	|	|	|	|	0.42
262.583	0.00	0.01	0.117	O	|	|	|	|	0.42
262.667	0.00	0.01	0.117	O	|	|	|	|	0.42
262.750	0.00	0.01	0.117	O	|	|	|	|	0.42
262.833	0.00	0.01	0.117	O	|	|	|	|	0.42
262.917	0.00	0.01	0.117	O	|	|	|	|	0.42
263.000	0.00	0.01	0.116	O	|	|	|	|	0.42
263.083	0.00	0.01	0.116	O	|	|	|	|	0.42
263.167	0.00	0.01	0.116	O	|	|	|	|	0.42
263.250	0.00	0.01	0.116	O	|	|	|	|	0.42
263.333	0.00	0.01	0.116	O	|	|	|	|	0.42
263.417	0.00	0.01	0.116	O	|	|	|	|	0.42
263.500	0.00	0.01	0.116	O	|	|	|	|	0.42
263.583	0.00	0.01	0.116	O	|	|	|	|	0.42
263.667	0.00	0.01	0.116	O	|	|	|	|	0.41
263.750	0.00	0.01	0.116	O	|	|	|	|	0.41
263.833	0.00	0.01	0.116	O	|	|	|	|	0.41
263.917	0.00	0.01	0.116	O	|	|	|	|	0.41
264.000	0.00	0.01	0.116	O	|	|	|	|	0.41
264.083	0.00	0.01	0.115	O	|	|	|	|	0.41
264.167	0.00	0.01	0.115	O	|	|	|	|	0.41
264.250	0.00	0.01	0.115	O	|	|	|	|	0.41
264.333	0.00	0.01	0.115	O	|	|	|	|	0.41
264.417	0.00	0.01	0.115	O	|	|	|	|	0.41
264.500	0.00	0.01	0.115	O	|	|	|	|	0.41
264.583	0.00	0.01	0.115	O	|	|	|	|	0.41
264.667	0.00	0.01	0.115	O	|	|	|	|	0.41
264.750	0.00	0.01	0.115	O	|	|	|	|	0.41
264.833	0.00	0.01	0.115	O	|	|	|	|	0.41
264.917	0.00	0.01	0.115	O	|	|	|	|	0.41
265.000	0.00	0.01	0.115	O	|	|	|	|	0.41
265.083	0.00	0.01	0.115	O	|	|	|	|	0.41
265.167	0.00	0.01	0.114	O	|	|	|	|	0.41
265.250	0.00	0.01	0.114	O	|	|	|	|	0.41
265.333	0.00	0.01	0.114	O	|	|	|	|	0.41
265.417	0.00	0.01	0.114	O	|	|	|	|	0.41
265.500	0.00	0.01	0.114	O	|	|	|	|	0.41
265.583	0.00	0.01	0.114	O	|	|	|	|	0.41
265.667	0.00	0.01	0.114	O	|	|	|	|	0.41
265.750	0.00	0.01	0.114	O	|	|	|	|	0.41
265.833	0.00	0.01	0.114	O	|	|	|	|	0.41
265.917	0.00	0.01	0.114	O	|	|	|	|	0.41
266.000	0.00	0.01	0.114	O	|	|	|	|	0.41
266.083	0.00	0.01	0.114	O	|	|	|	|	0.41
266.167	0.00	0.01	0.114	O	|	|	|	|	0.41
266.250	0.00	0.01	0.113	O	|	|	|	|	0.41
266.333	0.00	0.01	0.113	O	|	|	|	|	0.41
266.417	0.00	0.01	0.113	O	|	|	|	|	0.41
266.500	0.00	0.01	0.113	O	|	|	|	|	0.41
266.583	0.00	0.01	0.113	O	|	|	|	|	0.41
266.667	0.00	0.01	0.113	O	|	|	|	|	0.40
266.750	0.00	0.01	0.113	O	|	|	|	|	0.40
266.833	0.00	0.01	0.113	O	|	|	|	|	0.40
266.917	0.00	0.01	0.113	O	|	|	|	|	0.40
267.000	0.00	0.01	0.113	O	|	|	|	|	0.40
267.083	0.00	0.01	0.113	O	|	|	|	|	0.40
267.167	0.00	0.01	0.113	O	|	|	|	|	0.40
267.250	0.00	0.01	0.113	O	|	|	|	|	0.40
267.333	0.00	0.01	0.112	O	|	|	|	|	0.40
267.417	0.00	0.01	0.112	O	|	|	|	|	0.40
267.500	0.00	0.01	0.112	O	|	|	|	|	0.40
267.583	0.00	0.01	0.112	O	|	|	|	|	0.40
267.667	0.00	0.01	0.112	O	|	|	|	|	0.40
267.750	0.00	0.01	0.112	O	|	|	|	|	0.40
267.833	0.00	0.01	0.112	O	|	|	|	|	0.40

267.917	0.00	0.01	0.112	O	|	|	|	|	0.40
268.000	0.00	0.01	0.112	O	|	|	|	|	0.40
268.083	0.00	0.01	0.112	O	|	|	|	|	0.40
268.167	0.00	0.01	0.112	O	|	|	|	|	0.40
268.250	0.00	0.01	0.112	O	|	|	|	|	0.40
268.333	0.00	0.01	0.112	O	|	|	|	|	0.40
268.417	0.00	0.01	0.111	O	|	|	|	|	0.40
268.500	0.00	0.01	0.111	O	|	|	|	|	0.40
268.583	0.00	0.01	0.111	O	|	|	|	|	0.40
268.667	0.00	0.01	0.111	O	|	|	|	|	0.40
268.750	0.00	0.01	0.111	O	|	|	|	|	0.40
268.833	0.00	0.01	0.111	O	|	|	|	|	0.40
268.917	0.00	0.01	0.111	O	|	|	|	|	0.40
269.000	0.00	0.01	0.111	O	|	|	|	|	0.40
269.083	0.00	0.01	0.111	O	|	|	|	|	0.40
269.167	0.00	0.01	0.111	O	|	|	|	|	0.40
269.250	0.00	0.01	0.111	O	|	|	|	|	0.40
269.333	0.00	0.01	0.111	O	|	|	|	|	0.40
269.417	0.00	0.01	0.111	O	|	|	|	|	0.40
269.500	0.00	0.01	0.110	O	|	|	|	|	0.40
269.583	0.00	0.01	0.110	O	|	|	|	|	0.40
269.667	0.00	0.01	0.110	O	|	|	|	|	0.39
269.750	0.00	0.01	0.110	O	|	|	|	|	0.39
269.833	0.00	0.01	0.110	O	|	|	|	|	0.39
269.917	0.00	0.01	0.110	O	|	|	|	|	0.39
270.000	0.00	0.01	0.110	O	|	|	|	|	0.39
270.083	0.00	0.01	0.110	O	|	|	|	|	0.39
270.167	0.00	0.01	0.110	O	|	|	|	|	0.39
270.250	0.00	0.01	0.110	O	|	|	|	|	0.39
270.333	0.00	0.01	0.110	O	|	|	|	|	0.39
270.417	0.00	0.01	0.110	O	|	|	|	|	0.39
270.500	0.00	0.01	0.110	O	|	|	|	|	0.39
270.583	0.00	0.01	0.110	O	|	|	|	|	0.39
270.667	0.00	0.01	0.109	O	|	|	|	|	0.39
270.750	0.00	0.01	0.109	O	|	|	|	|	0.39
270.833	0.00	0.01	0.109	O	|	|	|	|	0.39
270.917	0.00	0.01	0.109	O	|	|	|	|	0.39
271.000	0.00	0.01	0.109	O	|	|	|	|	0.39
271.083	0.00	0.01	0.109	O	|	|	|	|	0.39
271.167	0.00	0.01	0.109	O	|	|	|	|	0.39
271.250	0.00	0.01	0.109	O	|	|	|	|	0.39
271.333	0.00	0.01	0.109	O	|	|	|	|	0.39
271.417	0.00	0.01	0.109	O	|	|	|	|	0.39
271.500	0.00	0.01	0.109	O	|	|	|	|	0.39
271.583	0.00	0.01	0.109	O	|	|	|	|	0.39
271.667	0.00	0.01	0.109	O	|	|	|	|	0.39
271.750	0.00	0.01	0.108	O	|	|	|	|	0.39
271.833	0.00	0.01	0.108	O	|	|	|	|	0.39
271.917	0.00	0.01	0.108	O	|	|	|	|	0.39
272.000	0.00	0.01	0.108	O	|	|	|	|	0.39
272.083	0.00	0.01	0.108	O	|	|	|	|	0.39
272.167	0.00	0.01	0.108	O	|	|	|	|	0.39
272.250	0.00	0.01	0.108	O	|	|	|	|	0.39
272.333	0.00	0.01	0.108	O	|	|	|	|	0.39
272.417	0.00	0.01	0.108	O	|	|	|	|	0.39
272.500	0.00	0.01	0.108	O	|	|	|	|	0.39
272.583	0.00	0.01	0.108	O	|	|	|	|	0.39
272.667	0.00	0.01	0.108	O	|	|	|	|	0.39
272.750	0.00	0.01	0.108	O	|	|	|	|	0.39
272.833	0.00	0.01	0.108	O	|	|	|	|	0.38
272.917	0.00	0.01	0.107	O	|	|	|	|	0.38
273.000	0.00	0.01	0.107	O	|	|	|	|	0.38
273.083	0.00	0.01	0.107	O	|	|	|	|	0.38
273.167	0.00	0.01	0.107	O	|	|	|	|	0.38
273.250	0.00	0.01	0.107	O	|	|	|	|	0.38
273.333	0.00	0.01	0.107	O	|	|	|	|	0.38
273.417	0.00	0.01	0.107	O	|	|	|	|	0.38
273.500	0.00	0.01	0.107	O	|	|	|	|	0.38
273.583	0.00	0.01	0.107	O	|	|	|	|	0.38
273.667	0.00	0.01	0.107	O	|	|	|	|	0.38
273.750	0.00	0.01	0.107	O	|	|	|	|	0.38
273.833	0.00	0.01	0.107	O	|	|	|	|	0.38
273.917	0.00	0.01	0.107	O	|	|	|	|	0.38

274.000	0.00	0.01	0.106	O	|	|	|	|	0.38
274.083	0.00	0.01	0.106	O	|	|	|	|	0.38
274.167	0.00	0.01	0.106	O	|	|	|	|	0.38
274.250	0.00	0.01	0.106	O	|	|	|	|	0.38
274.333	0.00	0.01	0.106	O	|	|	|	|	0.38
274.417	0.00	0.01	0.106	O	|	|	|	|	0.38
274.500	0.00	0.01	0.106	O	|	|	|	|	0.38
274.583	0.00	0.01	0.106	O	|	|	|	|	0.38
274.667	0.00	0.01	0.106	O	|	|	|	|	0.38
274.750	0.00	0.01	0.106	O	|	|	|	|	0.38
274.833	0.00	0.01	0.106	O	|	|	|	|	0.38
274.917	0.00	0.01	0.106	O	|	|	|	|	0.38
275.000	0.00	0.01	0.106	O	|	|	|	|	0.38
275.083	0.00	0.01	0.106	O	|	|	|	|	0.38
275.167	0.00	0.01	0.105	O	|	|	|	|	0.38
275.250	0.00	0.01	0.105	O	|	|	|	|	0.38
275.333	0.00	0.01	0.105	O	|	|	|	|	0.38
275.417	0.00	0.01	0.105	O	|	|	|	|	0.38
275.500	0.00	0.01	0.105	O	|	|	|	|	0.38
275.583	0.00	0.01	0.105	O	|	|	|	|	0.38
275.667	0.00	0.01	0.105	O	|	|	|	|	0.38
275.750	0.00	0.01	0.105	O	|	|	|	|	0.38
275.833	0.00	0.01	0.105	O	|	|	|	|	0.38
275.917	0.00	0.01	0.105	O	|	|	|	|	0.38
276.000	0.00	0.01	0.105	O	|	|	|	|	0.38
276.083	0.00	0.01	0.105	O	|	|	|	|	0.37
276.167	0.00	0.01	0.105	O	|	|	|	|	0.37
276.250	0.00	0.01	0.105	O	|	|	|	|	0.37
276.333	0.00	0.01	0.104	O	|	|	|	|	0.37
276.417	0.00	0.01	0.104	O	|	|	|	|	0.37
276.500	0.00	0.01	0.104	O	|	|	|	|	0.37
276.583	0.00	0.01	0.104	O	|	|	|	|	0.37
276.667	0.00	0.01	0.104	O	|	|	|	|	0.37
276.750	0.00	0.01	0.104	O	|	|	|	|	0.37
276.833	0.00	0.01	0.104	O	|	|	|	|	0.37
276.917	0.00	0.01	0.104	O	|	|	|	|	0.37
277.000	0.00	0.01	0.104	O	|	|	|	|	0.37
277.083	0.00	0.01	0.104	O	|	|	|	|	0.37
277.167	0.00	0.01	0.104	O	|	|	|	|	0.37
277.250	0.00	0.01	0.104	O	|	|	|	|	0.37
277.333	0.00	0.01	0.104	O	|	|	|	|	0.37
277.417	0.00	0.01	0.104	O	|	|	|	|	0.37
277.500	0.00	0.01	0.103	O	|	|	|	|	0.37
277.583	0.00	0.01	0.103	O	|	|	|	|	0.37
277.667	0.00	0.01	0.103	O	|	|	|	|	0.37
277.750	0.00	0.01	0.103	O	|	|	|	|	0.37
277.833	0.00	0.01	0.103	O	|	|	|	|	0.37
277.917	0.00	0.01	0.103	O	|	|	|	|	0.37
278.000	0.00	0.01	0.103	O	|	|	|	|	0.37
278.083	0.00	0.01	0.103	O	|	|	|	|	0.37
278.167	0.00	0.01	0.103	O	|	|	|	|	0.37
278.250	0.00	0.01	0.103	O	|	|	|	|	0.37
278.333	0.00	0.01	0.103	O	|	|	|	|	0.37
278.417	0.00	0.01	0.103	O	|	|	|	|	0.37
278.500	0.00	0.01	0.103	O	|	|	|	|	0.37
278.583	0.00	0.01	0.103	O	|	|	|	|	0.37
278.667	0.00	0.01	0.103	O	|	|	|	|	0.37
278.750	0.00	0.01	0.102	O	|	|	|	|	0.37
278.833	0.00	0.01	0.102	O	|	|	|	|	0.37
278.917	0.00	0.01	0.102	O	|	|	|	|	0.37
279.000	0.00	0.01	0.102	O	|	|	|	|	0.37
279.083	0.00	0.01	0.102	O	|	|	|	|	0.37
279.167	0.00	0.01	0.102	O	|	|	|	|	0.37
279.250	0.00	0.01	0.102	O	|	|	|	|	0.37
279.333	0.00	0.01	0.102	O	|	|	|	|	0.37
279.417	0.00	0.01	0.102	O	|	|	|	|	0.36
279.500	0.00	0.01	0.102	O	|	|	|	|	0.36
279.583	0.00	0.01	0.102	O	|	|	|	|	0.36
279.667	0.00	0.01	0.102	O	|	|	|	|	0.36
279.750	0.00	0.01	0.102	O	|	|	|	|	0.36
279.833	0.00	0.01	0.102	O	|	|	|	|	0.36
279.917	0.00	0.01	0.101	O	|	|	|	|	0.36
280.000	0.00	0.01	0.101	O	|	|	|	|	0.36

280.083	0.00	0.01	0.101	O					0.36
280.167	0.00	0.01	0.101	O					0.36
280.250	0.00	0.01	0.101	O					0.36
280.333	0.00	0.01	0.101	O					0.36
280.417	0.00	0.01	0.101	O					0.36
280.500	0.00	0.01	0.101	O					0.36
280.583	0.00	0.01	0.101	O					0.36
280.667	0.00	0.01	0.101	O					0.36
280.750	0.00	0.01	0.101	O					0.36
280.833	0.00	0.01	0.101	O					0.36
280.917	0.00	0.01	0.101	O					0.36
281.000	0.00	0.01	0.101	O					0.36
281.083	0.00	0.01	0.101	O					0.36
281.167	0.00	0.01	0.100	O					0.36
281.250	0.00	0.01	0.100	O					0.36
281.333	0.00	0.01	0.100	O					0.36
281.417	0.00	0.01	0.100	O					0.36
281.500	0.00	0.01	0.100	O					0.36
281.583	0.00	0.01	0.100	O					0.36
281.667	0.00	0.01	0.100	O					0.36
281.750	0.00	0.01	0.100	O					0.36
281.833	0.00	0.01	0.100	O					0.36
281.917	0.00	0.01	0.100	O					0.36
282.000	0.00	0.01	0.100	O					0.36
282.083	0.00	0.01	0.100	O					0.36
282.167	0.00	0.01	0.100	O					0.36
282.250	0.00	0.01	0.100	O					0.36
282.333	0.00	0.01	0.099	O					0.36
282.417	0.00	0.01	0.099	O					0.36
282.500	0.00	0.01	0.099	O					0.36
282.583	0.00	0.01	0.099	O					0.36
282.667	0.00	0.01	0.099	O					0.36
282.750	0.00	0.01	0.099	O					0.35
282.833	0.00	0.01	0.099	O					0.35
282.917	0.00	0.01	0.099	O					0.35
283.000	0.00	0.01	0.099	O					0.35
283.083	0.00	0.01	0.099	O					0.35
283.167	0.00	0.01	0.099	O					0.35
283.250	0.00	0.01	0.099	O					0.35
283.333	0.00	0.01	0.099	O					0.35
283.417	0.00	0.01	0.099	O					0.35
283.500	0.00	0.01	0.099	O					0.35
283.583	0.00	0.01	0.098	O					0.35
283.667	0.00	0.01	0.098	O					0.35
283.750	0.00	0.01	0.098	O					0.35
283.833	0.00	0.01	0.098	O					0.35
283.917	0.00	0.01	0.098	O					0.35
284.000	0.00	0.01	0.098	O					0.35
284.083	0.00	0.01	0.098	O					0.35
284.167	0.00	0.01	0.098	O					0.35
284.250	0.00	0.01	0.098	O					0.35
284.333	0.00	0.01	0.098	O					0.35
284.417	0.00	0.01	0.098	O					0.35
284.500	0.00	0.01	0.098	O					0.35
284.583	0.00	0.01	0.098	O					0.35
284.667	0.00	0.01	0.098	O					0.35
284.750	0.00	0.01	0.098	O					0.35
284.833	0.00	0.01	0.097	O					0.35
284.917	0.00	0.01	0.097	O					0.35
285.000	0.00	0.01	0.097	O					0.35
285.083	0.00	0.01	0.097	O					0.35
285.167	0.00	0.01	0.097	O					0.35
285.250	0.00	0.01	0.097	O					0.35
285.333	0.00	0.01	0.097	O					0.35
285.417	0.00	0.01	0.097	O					0.35
285.500	0.00	0.01	0.097	O					0.35
285.583	0.00	0.01	0.097	O					0.35
285.667	0.00	0.01	0.097	O					0.35
285.750	0.00	0.01	0.097	O					0.35
285.833	0.00	0.01	0.097	O					0.35
285.917	0.00	0.01	0.097	O					0.35
286.000	0.00	0.01	0.097	O					0.35
286.083	0.00	0.01	0.096	O					0.35

286.167	0.00	0.01	0.096	O					0.35
286.250	0.00	0.01	0.096	O					0.34
286.333	0.00	0.01	0.096	O					0.34
286.417	0.00	0.01	0.096	O					0.34
286.500	0.00	0.01	0.096	O					0.34
286.583	0.00	0.01	0.096	O					0.34
286.667	0.00	0.01	0.096	O					0.34
286.750	0.00	0.01	0.096	O					0.34
286.833	0.00	0.01	0.096	O					0.34
286.917	0.00	0.01	0.096	O					0.34
287.000	0.00	0.01	0.096	O					0.34
287.083	0.00	0.01	0.096	O					0.34
287.167	0.00	0.01	0.096	O					0.34
287.250	0.00	0.01	0.096	O					0.34
287.333	0.00	0.01	0.096	O					0.34
287.417	0.00	0.01	0.095	O					0.34
287.500	0.00	0.01	0.095	O					0.34
287.583	0.00	0.01	0.095	O					0.34
287.667	0.00	0.01	0.095	O					0.34
287.750	0.00	0.01	0.095	O					0.34
287.833	0.00	0.01	0.095	O					0.34
287.917	0.00	0.01	0.095	O					0.34
288.000	0.00	0.01	0.095	O					0.34
288.083	0.00	0.01	0.095	O					0.34
288.167	0.00	0.01	0.095	O					0.34
288.250	0.00	0.01	0.095	O					0.34
288.333	0.00	0.01	0.095	O					0.34
288.417	0.00	0.01	0.095	O					0.34
288.500	0.00	0.01	0.095	O					0.34
288.583	0.00	0.01	0.095	O					0.34
288.667	0.00	0.01	0.094	O					0.34
288.750	0.00	0.01	0.094	O					0.34
288.833	0.00	0.01	0.094	O					0.34
288.917	0.00	0.01	0.094	O					0.34
289.000	0.00	0.01	0.094	O					0.34
289.083	0.00	0.01	0.094	O					0.34
289.167	0.00	0.01	0.094	O					0.34
289.250	0.00	0.01	0.094	O					0.34
289.333	0.00	0.01	0.094	O					0.34
289.417	0.00	0.01	0.094	O					0.34
289.500	0.00	0.01	0.094	O					0.34
289.583	0.00	0.01	0.094	O					0.34
289.667	0.00	0.01	0.094	O					0.34
289.750	0.00	0.01	0.094	O					0.34
289.833	0.00	0.01	0.094	O					0.34
289.917	0.00	0.01	0.094	O					0.33
290.000	0.00	0.01	0.093	O					0.33
290.083	0.00	0.01	0.093	O					0.33
290.167	0.00	0.01	0.093	O					0.33
290.250	0.00	0.01	0.093	O					0.33
290.333	0.00	0.01	0.093	O					0.33
290.417	0.00	0.01	0.093	O					0.33
290.500	0.00	0.01	0.093	O					0.33
290.583	0.00	0.01	0.093	O					0.33
290.667	0.00	0.01	0.093	O					0.33
290.750	0.00	0.01	0.093	O					0.33
290.833	0.00	0.01	0.093	O					0.33
290.917	0.00	0.01	0.093	O					0.33
291.000	0.00	0.01	0.093	O					0.33
291.083	0.00	0.01	0.093	O					0.33
291.167	0.00	0.01	0.093	O					0.33
291.250	0.00	0.01	0.093	O					0.33
291.333	0.00	0.01	0.092	O					0.33
291.417	0.00	0.01	0.092	O					0.33
291.500	0.00	0.01	0.092	O					0.33
291.583	0.00	0.01	0.092	O					0.33
291.667	0.00	0.01	0.092	O					0.33
291.750	0.00	0.01	0.092	O					0.33
291.833	0.00	0.01	0.092	O					0.33
291.917	0.00	0.01	0.092	O					0.33
292.000	0.00	0.01	0.092	O					0.33
292.083	0.00	0.01	0.092	O					0.33
292.167	0.00	0.01	0.092	O					0.33

292.250	0.00	0.01	0.092	O	|	|	|	|	0.33
292.333	0.00	0.01	0.092	O	|	|	|	|	0.33
292.417	0.00	0.01	0.092	O	|	|	|	|	0.33
292.500	0.00	0.01	0.092	O	|	|	|	|	0.33
292.583	0.00	0.01	0.092	O	|	|	|	|	0.33
292.667	0.00	0.01	0.091	O	|	|	|	|	0.33
292.750	0.00	0.01	0.091	O	|	|	|	|	0.33
292.833	0.00	0.01	0.091	O	|	|	|	|	0.33
292.917	0.00	0.01	0.091	O	|	|	|	|	0.33
293.000	0.00	0.01	0.091	O	|	|	|	|	0.33
293.083	0.00	0.01	0.091	O	|	|	|	|	0.33
293.167	0.00	0.01	0.091	O	|	|	|	|	0.33
293.250	0.00	0.01	0.091	O	|	|	|	|	0.33
293.333	0.00	0.01	0.091	O	|	|	|	|	0.33
293.417	0.00	0.01	0.091	O	|	|	|	|	0.33
293.500	0.00	0.01	0.091	O	|	|	|	|	0.33
293.583	0.00	0.01	0.091	O	|	|	|	|	0.32
293.667	0.00	0.01	0.091	O	|	|	|	|	0.32
293.750	0.00	0.01	0.091	O	|	|	|	|	0.32
293.833	0.00	0.01	0.091	O	|	|	|	|	0.32
293.917	0.00	0.01	0.091	O	|	|	|	|	0.32
294.000	0.00	0.01	0.090	O	|	|	|	|	0.32
294.083	0.00	0.01	0.090	O	|	|	|	|	0.32
294.167	0.00	0.01	0.090	O	|	|	|	|	0.32
294.250	0.00	0.01	0.090	O	|	|	|	|	0.32
294.333	0.00	0.01	0.090	O	|	|	|	|	0.32
294.417	0.00	0.01	0.090	O	|	|	|	|	0.32
294.500	0.00	0.01	0.090	O	|	|	|	|	0.32
294.583	0.00	0.01	0.090	O	|	|	|	|	0.32
294.667	0.00	0.01	0.090	O	|	|	|	|	0.32
294.750	0.00	0.01	0.090	O	|	|	|	|	0.32
294.833	0.00	0.01	0.090	O	|	|	|	|	0.32
294.917	0.00	0.01	0.090	O	|	|	|	|	0.32
295.000	0.00	0.01	0.090	O	|	|	|	|	0.32
295.083	0.00	0.01	0.090	O	|	|	|	|	0.32
295.167	0.00	0.01	0.090	O	|	|	|	|	0.32
295.250	0.00	0.01	0.090	O	|	|	|	|	0.32
295.333	0.00	0.01	0.089	O	|	|	|	|	0.32
295.417	0.00	0.01	0.089	O	|	|	|	|	0.32
295.500	0.00	0.01	0.089	O	|	|	|	|	0.32
295.583	0.00	0.01	0.089	O	|	|	|	|	0.32
295.667	0.00	0.01	0.089	O	|	|	|	|	0.32
295.750	0.00	0.01	0.089	O	|	|	|	|	0.32
295.833	0.00	0.01	0.089	O	|	|	|	|	0.32
295.917	0.00	0.01	0.089	O	|	|	|	|	0.32
296.000	0.00	0.01	0.089	O	|	|	|	|	0.32
296.083	0.00	0.01	0.089	O	|	|	|	|	0.32
296.167	0.00	0.01	0.089	O	|	|	|	|	0.32
296.250	0.00	0.01	0.089	O	|	|	|	|	0.32
296.333	0.00	0.01	0.089	O	|	|	|	|	0.32
296.417	0.00	0.01	0.089	O	|	|	|	|	0.32
296.500	0.00	0.01	0.089	O	|	|	|	|	0.32
296.583	0.00	0.01	0.089	O	|	|	|	|	0.32
296.667	0.00	0.01	0.089	O	|	|	|	|	0.32
296.750	0.00	0.01	0.088	O	|	|	|	|	0.32
296.833	0.00	0.01	0.088	O	|	|	|	|	0.32
296.917	0.00	0.01	0.088	O	|	|	|	|	0.32
297.000	0.00	0.01	0.088	O	|	|	|	|	0.32
297.083	0.00	0.01	0.088	O	|	|	|	|	0.32
297.167	0.00	0.01	0.088	O	|	|	|	|	0.32
297.250	0.00	0.01	0.088	O	|	|	|	|	0.32
297.333	0.00	0.01	0.088	O	|	|	|	|	0.32
297.417	0.00	0.01	0.088	O	|	|	|	|	0.31
297.500	0.00	0.01	0.088	O	|	|	|	|	0.31
297.583	0.00	0.01	0.088	O	|	|	|	|	0.31
297.667	0.00	0.01	0.088	O	|	|	|	|	0.31
297.750	0.00	0.01	0.088	O	|	|	|	|	0.31
297.833	0.00	0.01	0.088	O	|	|	|	|	0.31
297.917	0.00	0.01	0.088	O	|	|	|	|	0.31
298.000	0.00	0.01	0.088	O	|	|	|	|	0.31
298.083	0.00	0.01	0.087	O	|	|	|	|	0.31
298.167	0.00	0.01	0.087	O	|	|	|	|	0.31
298.250	0.00	0.01	0.087	O	|	|	|	|	0.31

298.333	0.00	0.01	0.087	O					0.31
298.417	0.00	0.01	0.087	O					0.31
298.500	0.00	0.01	0.087	O					0.31
298.583	0.00	0.01	0.087	O					0.31
298.667	0.00	0.01	0.087	O					0.31
298.750	0.00	0.01	0.087	O					0.31
298.833	0.00	0.01	0.087	O					0.31
298.917	0.00	0.01	0.087	O					0.31
299.000	0.00	0.01	0.087	O					0.31
299.083	0.00	0.01	0.087	O					0.31
299.167	0.00	0.01	0.087	O					0.31
299.250	0.00	0.01	0.087	O					0.31
299.333	0.00	0.01	0.087	O					0.31
299.417	0.00	0.01	0.087	O					0.31
299.500	0.00	0.01	0.086	O					0.31
299.583	0.00	0.01	0.086	O					0.31
299.667	0.00	0.01	0.086	O					0.31
299.750	0.00	0.01	0.086	O					0.31
299.833	0.00	0.01	0.086	O					0.31
299.917	0.00	0.01	0.086	O					0.31
300.000	0.00	0.01	0.086	O					0.31
300.083	0.00	0.01	0.086	O					0.31
300.167	0.00	0.01	0.086	O					0.31
300.250	0.00	0.01	0.086	O					0.31
300.333	0.00	0.01	0.086	O					0.31
300.417	0.00	0.01	0.086	O					0.31
300.500	0.00	0.01	0.086	O					0.31
300.583	0.00	0.01	0.086	O					0.31
300.667	0.00	0.01	0.086	O					0.31
300.750	0.00	0.01	0.086	O					0.31
300.833	0.00	0.01	0.086	O					0.31
300.917	0.00	0.01	0.085	O					0.31
301.000	0.00	0.01	0.085	O					0.31
301.083	0.00	0.01	0.085	O					0.31
301.167	0.00	0.01	0.085	O					0.31
301.250	0.00	0.01	0.085	O					0.31
301.333	0.00	0.01	0.085	O					0.31
301.417	0.00	0.01	0.085	O					0.30
301.500	0.00	0.01	0.085	O					0.30
301.583	0.00	0.01	0.085	O					0.30
301.667	0.00	0.01	0.085	O					0.30
301.750	0.00	0.01	0.085	O					0.30
301.833	0.00	0.01	0.085	O					0.30
301.917	0.00	0.01	0.085	O					0.30
302.000	0.00	0.01	0.085	O					0.30
302.083	0.00	0.01	0.085	O					0.30
302.167	0.00	0.01	0.085	O					0.30
302.250	0.00	0.01	0.085	O					0.30
302.333	0.00	0.01	0.085	O					0.30
302.417	0.00	0.01	0.084	O					0.30
302.500	0.00	0.01	0.084	O					0.30
302.583	0.00	0.01	0.084	O					0.30
302.667	0.00	0.01	0.084	O					0.30
302.750	0.00	0.01	0.084	O					0.30
302.833	0.00	0.01	0.084	O					0.30
302.917	0.00	0.01	0.084	O					0.30
303.000	0.00	0.01	0.084	O					0.30
303.083	0.00	0.01	0.084	O					0.30
303.167	0.00	0.01	0.084	O					0.30
303.250	0.00	0.01	0.084	O					0.30
303.333	0.00	0.01	0.084	O					0.30
303.417	0.00	0.01	0.084	O					0.30
303.500	0.00	0.01	0.084	O					0.30
303.583	0.00	0.01	0.084	O					0.30
303.667	0.00	0.01	0.084	O					0.30
303.750	0.00	0.01	0.084	O					0.30
303.833	0.00	0.01	0.083	O					0.30
303.917	0.00	0.01	0.083	O					0.30
304.000	0.00	0.01	0.083	O					0.30
304.083	0.00	0.01	0.083	O					0.30
304.167	0.00	0.01	0.083	O					0.30
304.250	0.00	0.01	0.083	O					0.30
304.333	0.00	0.01	0.083	O					0.30

304.417	0.00	0.01	0.083	O				0.30
304.500	0.00	0.01	0.083	O				0.30
304.583	0.00	0.01	0.083	O				0.30
304.667	0.00	0.01	0.083	O				0.30
304.750	0.00	0.01	0.083	O				0.30
304.833	0.00	0.01	0.083	O				0.30
304.917	0.00	0.01	0.083	O				0.30
305.000	0.00	0.01	0.083	O				0.30
305.083	0.00	0.01	0.083	O				0.30
305.167	0.00	0.01	0.083	O				0.30
305.250	0.00	0.01	0.083	O				0.30
305.333	0.00	0.01	0.082	O				0.30
305.417	0.00	0.01	0.082	O				0.30
305.500	0.00	0.01	0.082	O				0.29
305.583	0.00	0.01	0.082	O				0.29
305.667	0.00	0.01	0.082	O				0.29
305.750	0.00	0.01	0.082	O				0.29
305.833	0.00	0.01	0.082	O				0.29
305.917	0.00	0.01	0.082	O				0.29
306.000	0.00	0.01	0.082	O				0.29
306.083	0.00	0.01	0.082	O				0.29
306.167	0.00	0.01	0.082	O				0.29
306.250	0.00	0.01	0.082	O				0.29
306.333	0.00	0.01	0.082	O				0.29
306.417	0.00	0.01	0.082	O				0.29
306.500	0.00	0.01	0.082	O				0.29
306.583	0.00	0.01	0.082	O				0.29
306.667	0.00	0.01	0.082	O				0.29
306.750	0.00	0.01	0.082	O				0.29
306.833	0.00	0.01	0.081	O				0.29
306.917	0.00	0.01	0.081	O				0.29
307.000	0.00	0.01	0.081	O				0.29
307.083	0.00	0.01	0.081	O				0.29
307.167	0.00	0.01	0.081	O				0.29
307.250	0.00	0.01	0.081	O				0.29
307.333	0.00	0.01	0.081	O				0.29
307.417	0.00	0.01	0.081	O				0.29
307.500	0.00	0.01	0.081	O				0.29
307.583	0.00	0.01	0.081	O				0.29
307.667	0.00	0.01	0.081	O				0.29
307.750	0.00	0.01	0.081	O				0.29
307.833	0.00	0.01	0.081	O				0.29
307.917	0.00	0.01	0.081	O				0.29
308.000	0.00	0.01	0.081	O				0.29
308.083	0.00	0.01	0.081	O				0.29
308.167	0.00	0.01	0.081	O				0.29
308.250	0.00	0.01	0.081	O				0.29
308.333	0.00	0.01	0.080	O				0.29
308.417	0.00	0.01	0.080	O				0.29
308.500	0.00	0.01	0.080	O				0.29
308.583	0.00	0.01	0.080	O				0.29
308.667	0.00	0.01	0.080	O				0.29
308.750	0.00	0.01	0.080	O				0.29
308.833	0.00	0.01	0.080	O				0.29
308.917	0.00	0.01	0.080	O				0.29
309.000	0.00	0.01	0.080	O				0.29
309.083	0.00	0.01	0.080	O				0.29
309.167	0.00	0.01	0.080	O				0.29
309.250	0.00	0.01	0.080	O				0.29
309.333	0.00	0.01	0.080	O				0.29
309.417	0.00	0.01	0.080	O				0.29
309.500	0.00	0.01	0.080	O				0.29
309.583	0.00	0.01	0.080	O				0.29
309.667	0.00	0.01	0.080	O				0.28
309.750	0.00	0.01	0.080	O				0.28
309.833	0.00	0.01	0.079	O				0.28
309.917	0.00	0.01	0.079	O				0.28
310.000	0.00	0.01	0.079	O				0.28
310.083	0.00	0.01	0.079	O				0.28
310.167	0.00	0.01	0.079	O				0.28
310.250	0.00	0.01	0.079	O				0.28
310.333	0.00	0.01	0.079	O				0.28
310.417	0.00	0.01	0.079	O				0.28

310.500	0.00	0.01	0.079	O					0.28
310.583	0.00	0.01	0.079	O					0.28
310.667	0.00	0.01	0.079	O					0.28
310.750	0.00	0.01	0.079	O					0.28
310.833	0.00	0.01	0.079	O					0.28
310.917	0.00	0.01	0.079	O					0.28
311.000	0.00	0.01	0.079	O					0.28
311.083	0.00	0.01	0.079	O					0.28
311.167	0.00	0.01	0.079	O					0.28
311.250	0.00	0.01	0.079	O					0.28
311.333	0.00	0.01	0.079	O					0.28
311.417	0.00	0.01	0.078	O					0.28
311.500	0.00	0.01	0.078	O					0.28
311.583	0.00	0.01	0.078	O					0.28
311.667	0.00	0.01	0.078	O					0.28
311.750	0.00	0.01	0.078	O					0.28
311.833	0.00	0.01	0.078	O					0.28
311.917	0.00	0.01	0.078	O					0.28
312.000	0.00	0.01	0.078	O					0.28
312.083	0.00	0.01	0.078	O					0.28
312.167	0.00	0.01	0.078	O					0.28
312.250	0.00	0.01	0.078	O					0.28
312.333	0.00	0.01	0.078	O					0.28
312.417	0.00	0.01	0.078	O					0.28
312.500	0.00	0.01	0.078	O					0.28
312.583	0.00	0.01	0.078	O					0.28
312.667	0.00	0.01	0.078	O					0.28
312.750	0.00	0.01	0.078	O					0.28
312.833	0.00	0.01	0.078	O					0.28
312.917	0.00	0.01	0.078	O					0.28
313.000	0.00	0.01	0.077	O					0.28
313.083	0.00	0.01	0.077	O					0.28
313.167	0.00	0.01	0.077	O					0.28
313.250	0.00	0.01	0.077	O					0.28
313.333	0.00	0.01	0.077	O					0.28
313.417	0.00	0.01	0.077	O					0.28
313.500	0.00	0.01	0.077	O					0.28
313.583	0.00	0.01	0.077	O					0.28
313.667	0.00	0.01	0.077	O					0.28
313.750	0.00	0.01	0.077	O					0.28
313.833	0.00	0.01	0.077	O					0.28
313.917	0.00	0.01	0.077	O					0.28
314.000	0.00	0.01	0.077	O					0.28
314.083	0.00	0.01	0.077	O					0.27
314.167	0.00	0.01	0.077	O					0.27
314.250	0.00	0.01	0.077	O					0.27
314.333	0.00	0.01	0.077	O					0.27
314.417	0.00	0.01	0.077	O					0.27
314.500	0.00	0.01	0.077	O					0.27
314.583	0.00	0.01	0.076	O					0.27
314.667	0.00	0.01	0.076	O					0.27
314.750	0.00	0.01	0.076	O					0.27
314.833	0.00	0.01	0.076	O					0.27
314.917	0.00	0.01	0.076	O					0.27
315.000	0.00	0.01	0.076	O					0.27
315.083	0.00	0.01	0.076	O					0.27
315.167	0.00	0.01	0.076	O					0.27
315.250	0.00	0.01	0.076	O					0.27
315.333	0.00	0.01	0.076	O					0.27
315.417	0.00	0.01	0.076	O					0.27
315.500	0.00	0.01	0.076	O					0.27
315.583	0.00	0.01	0.076	O					0.27
315.667	0.00	0.01	0.076	O					0.27
315.750	0.00	0.01	0.076	O					0.27
315.833	0.00	0.01	0.076	O					0.27
315.917	0.00	0.01	0.076	O					0.27
316.000	0.00	0.01	0.076	O					0.27
316.083	0.00	0.01	0.076	O					0.27
316.167	0.00	0.01	0.075	O					0.27
316.250	0.00	0.01	0.075	O					0.27
316.333	0.00	0.01	0.075	O					0.27
316.417	0.00	0.01	0.075	O					0.27
316.500	0.00	0.01	0.075	O					0.27

316.583	0.00	0.01	0.075	O					0.27
316.667	0.00	0.01	0.075	O					0.27
316.750	0.00	0.01	0.075	O					0.27
316.833	0.00	0.01	0.075	O					0.27
316.917	0.00	0.01	0.075	O					0.27
317.000	0.00	0.01	0.075	O					0.27
317.083	0.00	0.01	0.075	O					0.27
317.167	0.00	0.01	0.075	O					0.27
317.250	0.00	0.01	0.075	O					0.27
317.333	0.00	0.01	0.075	O					0.27
317.417	0.00	0.01	0.075	O					0.27
317.500	0.00	0.01	0.075	O					0.27
317.583	0.00	0.01	0.075	O					0.27
317.667	0.00	0.01	0.075	O					0.27
317.750	0.00	0.01	0.075	O					0.27
317.833	0.00	0.01	0.074	O					0.27
317.917	0.00	0.01	0.074	O					0.27
318.000	0.00	0.01	0.074	O					0.27
318.083	0.00	0.01	0.074	O					0.27
318.167	0.00	0.01	0.074	O					0.27
318.250	0.00	0.01	0.074	O					0.27
318.333	0.00	0.01	0.074	O					0.27
318.417	0.00	0.01	0.074	O					0.27
318.500	0.00	0.01	0.074	O					0.27
318.583	0.00	0.01	0.074	O					0.26
318.667	0.00	0.01	0.074	O					0.26
318.750	0.00	0.01	0.074	O					0.26
318.833	0.00	0.01	0.074	O					0.26
318.917	0.00	0.01	0.074	O					0.26
319.000	0.00	0.01	0.074	O					0.26
319.083	0.00	0.01	0.074	O					0.26
319.167	0.00	0.01	0.074	O					0.26
319.250	0.00	0.01	0.074	O					0.26
319.333	0.00	0.01	0.074	O					0.26
319.417	0.00	0.01	0.074	O					0.26
319.500	0.00	0.01	0.073	O					0.26
319.583	0.00	0.01	0.073	O					0.26
319.667	0.00	0.01	0.073	O					0.26
319.750	0.00	0.01	0.073	O					0.26
319.833	0.00	0.01	0.073	O					0.26
319.917	0.00	0.01	0.073	O					0.26
320.000	0.00	0.01	0.073	O					0.26
320.083	0.00	0.01	0.073	O					0.26
320.167	0.00	0.01	0.073	O					0.26
320.250	0.00	0.01	0.073	O					0.26
320.333	0.00	0.01	0.073	O					0.26
320.417	0.00	0.01	0.073	O					0.26
320.500	0.00	0.01	0.073	O					0.26
320.583	0.00	0.01	0.073	O					0.26
320.667	0.00	0.01	0.073	O					0.26
320.750	0.00	0.01	0.073	O					0.26
320.833	0.00	0.01	0.073	O					0.26
320.917	0.00	0.01	0.073	O					0.26
321.000	0.00	0.01	0.073	O					0.26
321.083	0.00	0.01	0.073	O					0.26
321.167	0.00	0.01	0.072	O					0.26
321.250	0.00	0.01	0.072	O					0.26
321.333	0.00	0.01	0.072	O					0.26
321.417	0.00	0.01	0.072	O					0.26
321.500	0.00	0.01	0.072	O					0.26
321.583	0.00	0.01	0.072	O					0.26
321.667	0.00	0.01	0.072	O					0.26
321.750	0.00	0.01	0.072	O					0.26
321.833	0.00	0.01	0.072	O					0.26
321.917	0.00	0.01	0.072	O					0.26
322.000	0.00	0.01	0.072	O					0.26
322.083	0.00	0.01	0.072	O					0.26
322.167	0.00	0.01	0.072	O					0.26
322.250	0.00	0.01	0.072	O					0.26
322.333	0.00	0.01	0.072	O					0.26
322.417	0.00	0.01	0.072	O					0.26
322.500	0.00	0.01	0.072	O					0.26
322.583	0.00	0.01	0.072	O					0.26

322.667	0.00	0.01	0.072	O					0.26
322.750	0.00	0.01	0.072	O					0.26
322.833	0.00	0.01	0.071	O					0.26
322.917	0.00	0.01	0.071	O					0.26
323.000	0.00	0.01	0.071	O					0.26
323.083	0.00	0.01	0.071	O					0.26
323.167	0.00	0.01	0.071	O					0.26
323.250	0.00	0.01	0.071	O					0.26
323.333	0.00	0.01	0.071	O					0.25
323.417	0.00	0.01	0.071	O					0.25
323.500	0.00	0.01	0.071	O					0.25
323.583	0.00	0.01	0.071	O					0.25
323.667	0.00	0.01	0.071	O					0.25
323.750	0.00	0.01	0.071	O					0.25
323.833	0.00	0.01	0.071	O					0.25
323.917	0.00	0.01	0.071	O					0.25
324.000	0.00	0.01	0.071	O					0.25
324.083	0.00	0.01	0.071	O					0.25
324.167	0.00	0.01	0.071	O					0.25
324.250	0.00	0.01	0.071	O					0.25
324.333	0.00	0.01	0.071	O					0.25
324.417	0.00	0.01	0.071	O					0.25
324.500	0.00	0.01	0.071	O					0.25
324.583	0.00	0.01	0.070	O					0.25
324.667	0.00	0.01	0.070	O					0.25
324.750	0.00	0.01	0.070	O					0.25
324.833	0.00	0.01	0.070	O					0.25
324.917	0.00	0.01	0.070	O					0.25
325.000	0.00	0.01	0.070	O					0.25
325.083	0.00	0.01	0.070	O					0.25
325.167	0.00	0.01	0.070	O					0.25
325.250	0.00	0.01	0.070	O					0.25
325.333	0.00	0.01	0.070	O					0.25
325.417	0.00	0.01	0.070	O					0.25
325.500	0.00	0.01	0.070	O					0.25
325.583	0.00	0.01	0.070	O					0.25
325.667	0.00	0.01	0.070	O					0.25
325.750	0.00	0.01	0.070	O					0.25
325.833	0.00	0.01	0.070	O					0.25
325.917	0.00	0.01	0.070	O					0.25
326.000	0.00	0.01	0.070	O					0.25
326.083	0.00	0.01	0.070	O					0.25
326.167	0.00	0.01	0.070	O					0.25
326.250	0.00	0.01	0.070	O					0.25
326.333	0.00	0.01	0.069	O					0.25
326.417	0.00	0.01	0.069	O					0.25
326.500	0.00	0.01	0.069	O					0.25
326.583	0.00	0.01	0.069	O					0.25
326.667	0.00	0.01	0.069	O					0.25
326.750	0.00	0.01	0.069	O					0.25
326.833	0.00	0.01	0.069	O					0.25
326.917	0.00	0.01	0.069	O					0.25
327.000	0.00	0.01	0.069	O					0.25
327.083	0.00	0.01	0.069	O					0.25
327.167	0.00	0.01	0.069	O					0.25
327.250	0.00	0.01	0.069	O					0.25
327.333	0.00	0.01	0.069	O					0.25
327.417	0.00	0.01	0.069	O					0.25
327.500	0.00	0.01	0.069	O					0.25
327.583	0.00	0.01	0.069	O					0.25
327.667	0.00	0.01	0.069	O					0.25
327.750	0.00	0.01	0.069	O					0.25
327.833	0.00	0.01	0.069	O					0.25
327.917	0.00	0.01	0.069	O					0.25
328.000	0.00	0.01	0.069	O					0.25
328.083	0.00	0.01	0.068	O					0.25
328.167	0.00	0.01	0.068	O					0.25
328.250	0.00	0.01	0.068	O					0.24
328.333	0.00	0.01	0.068	O					0.24
328.417	0.00	0.01	0.068	O					0.24
328.500	0.00	0.01	0.068	O					0.24
328.583	0.00	0.01	0.068	O					0.24
328.667	0.00	0.01	0.068	O					0.24

328.750	0.00	0.01	0.068	O					0.24
328.833	0.00	0.01	0.068	O					0.24
328.917	0.00	0.01	0.068	O					0.24
329.000	0.00	0.01	0.068	O					0.24
329.083	0.00	0.01	0.068	O					0.24
329.167	0.00	0.01	0.068	O					0.24
329.250	0.00	0.01	0.068	O					0.24
329.333	0.00	0.01	0.068	O					0.24
329.417	0.00	0.01	0.068	O					0.24
329.500	0.00	0.01	0.068	O					0.24
329.583	0.00	0.01	0.068	O					0.24
329.667	0.00	0.01	0.068	O					0.24
329.750	0.00	0.01	0.068	O					0.24
329.833	0.00	0.01	0.068	O					0.24
329.917	0.00	0.01	0.067	O					0.24
330.000	0.00	0.01	0.067	O					0.24
330.083	0.00	0.01	0.067	O					0.24
330.167	0.00	0.01	0.067	O					0.24
330.250	0.00	0.01	0.067	O					0.24
330.333	0.00	0.01	0.067	O					0.24
330.417	0.00	0.01	0.067	O					0.24
330.500	0.00	0.01	0.067	O					0.24
330.583	0.00	0.01	0.067	O					0.24
330.667	0.00	0.01	0.067	O					0.24
330.750	0.00	0.01	0.067	O					0.24
330.833	0.00	0.01	0.067	O					0.24
330.917	0.00	0.01	0.067	O					0.24
331.000	0.00	0.01	0.067	O					0.24
331.083	0.00	0.01	0.067	O					0.24
331.167	0.00	0.01	0.067	O					0.24
331.250	0.00	0.01	0.067	O					0.24
331.333	0.00	0.01	0.067	O					0.24
331.417	0.00	0.01	0.067	O					0.24
331.500	0.00	0.01	0.067	O					0.24
331.583	0.00	0.01	0.067	O					0.24
331.667	0.00	0.01	0.067	O					0.24
331.750	0.00	0.01	0.066	O					0.24
331.833	0.00	0.01	0.066	O					0.24
331.917	0.00	0.01	0.066	O					0.24
332.000	0.00	0.01	0.066	O					0.24
332.083	0.00	0.01	0.066	O					0.24
332.167	0.00	0.01	0.066	O					0.24
332.250	0.00	0.01	0.066	O					0.24
332.333	0.00	0.01	0.066	O					0.24
332.417	0.00	0.01	0.066	O					0.24
332.500	0.00	0.01	0.066	O					0.24
332.583	0.00	0.01	0.066	O					0.24
332.667	0.00	0.01	0.066	O					0.24
332.750	0.00	0.01	0.066	O					0.24
332.833	0.00	0.01	0.066	O					0.24
332.917	0.00	0.01	0.066	O					0.24
333.000	0.00	0.01	0.066	O					0.24
333.083	0.00	0.01	0.066	O					0.24
333.167	0.00	0.01	0.066	O					0.24
333.250	0.00	0.01	0.066	O					0.24
333.333	0.00	0.01	0.066	O					0.23
333.417	0.00	0.01	0.066	O					0.23
333.500	0.00	0.01	0.066	O					0.23
333.583	0.00	0.01	0.065	O					0.23
333.667	0.00	0.01	0.065	O					0.23
333.750	0.00	0.01	0.065	O					0.23
333.833	0.00	0.01	0.065	O					0.23
333.917	0.00	0.01	0.065	O					0.23
334.000	0.00	0.01	0.065	O					0.23
334.083	0.00	0.01	0.065	O					0.23
334.167	0.00	0.01	0.065	O					0.23
334.250	0.00	0.01	0.065	O					0.23
334.333	0.00	0.01	0.065	O					0.23
334.417	0.00	0.01	0.065	O					0.23
334.500	0.00	0.01	0.065	O					0.23
334.583	0.00	0.01	0.065	O					0.23
334.667	0.00	0.01	0.065	O					0.23
334.750	0.00	0.01	0.065	O					0.23

334.833	0.00	0.01	0.065	O					0.23
334.917	0.00	0.01	0.065	O					0.23
335.000	0.00	0.01	0.065	O					0.23
335.083	0.00	0.01	0.065	O					0.23
335.167	0.00	0.01	0.065	O					0.23
335.250	0.00	0.01	0.065	O					0.23
335.333	0.00	0.01	0.065	O					0.23
335.417	0.00	0.01	0.065	O					0.23
335.500	0.00	0.01	0.064	O					0.23
335.583	0.00	0.01	0.064	O					0.23
335.667	0.00	0.01	0.064	O					0.23
335.750	0.00	0.01	0.064	O					0.23
335.833	0.00	0.01	0.064	O					0.23
335.917	0.00	0.01	0.064	O					0.23
336.000	0.00	0.01	0.064	O					0.23
336.083	0.00	0.01	0.064	O					0.23
336.167	0.00	0.01	0.064	O					0.23
336.250	0.00	0.01	0.064	O					0.23
336.333	0.00	0.01	0.064	O					0.23
336.417	0.00	0.01	0.064	O					0.23
336.500	0.00	0.01	0.064	O					0.23
336.583	0.00	0.01	0.064	O					0.23
336.667	0.00	0.01	0.064	O					0.23
336.750	0.00	0.01	0.064	O					0.23
336.833	0.00	0.01	0.064	O					0.23
336.917	0.00	0.01	0.064	O					0.23
337.000	0.00	0.01	0.064	O					0.23
337.083	0.00	0.01	0.064	O					0.23
337.167	0.00	0.01	0.064	O					0.23
337.250	0.00	0.01	0.064	O					0.23
337.333	0.00	0.01	0.064	O					0.23
337.417	0.00	0.01	0.063	O					0.23
337.500	0.00	0.01	0.063	O					0.23
337.583	0.00	0.01	0.063	O					0.23
337.667	0.00	0.01	0.063	O					0.23
337.750	0.00	0.01	0.063	O					0.23
337.833	0.00	0.01	0.063	O					0.23
337.917	0.00	0.01	0.063	O					0.23
338.000	0.00	0.01	0.063	O					0.23
338.083	0.00	0.01	0.063	O					0.23
338.167	0.00	0.01	0.063	O					0.23
338.250	0.00	0.01	0.063	O					0.23
338.333	0.00	0.01	0.063	O					0.23
338.417	0.00	0.01	0.063	O					0.23
338.500	0.00	0.01	0.063	O					0.23
338.583	0.00	0.01	0.063	O					0.23
338.667	0.00	0.01	0.063	O					0.22
338.750	0.00	0.01	0.063	O					0.22
338.833	0.00	0.01	0.063	O					0.22
338.917	0.00	0.01	0.063	O					0.22
339.000	0.00	0.01	0.063	O					0.22
339.083	0.00	0.01	0.063	O					0.22
339.167	0.00	0.01	0.063	O					0.22
339.250	0.00	0.01	0.063	O					0.22
339.333	0.00	0.01	0.062	O					0.22
339.417	0.00	0.01	0.062	O					0.22
339.500	0.00	0.01	0.062	O					0.22
339.583	0.00	0.01	0.062	O					0.22
339.667	0.00	0.01	0.062	O					0.22
339.750	0.00	0.01	0.062	O					0.22
339.833	0.00	0.01	0.062	O					0.22
339.917	0.00	0.01	0.062	O					0.22
340.000	0.00	0.01	0.062	O					0.22
340.083	0.00	0.01	0.062	O					0.22
340.167	0.00	0.01	0.062	O					0.22
340.250	0.00	0.01	0.062	O					0.22
340.333	0.00	0.01	0.062	O					0.22
340.417	0.00	0.01	0.062	O					0.22
340.500	0.00	0.01	0.062	O					0.22
340.583	0.00	0.01	0.062	O					0.22
340.667	0.00	0.01	0.062	O					0.22
340.750	0.00	0.01	0.062	O					0.22
340.833	0.00	0.01	0.062	O					0.22

340.917	0.00	0.01	0.062	O					0.22
341.000	0.00	0.01	0.062	O					0.22
341.083	0.00	0.01	0.062	O					0.22
341.167	0.00	0.01	0.062	O					0.22
341.250	0.00	0.01	0.062	O					0.22
341.333	0.00	0.01	0.061	O					0.22
341.417	0.00	0.01	0.061	O					0.22
341.500	0.00	0.01	0.061	O					0.22
341.583	0.00	0.01	0.061	O					0.22
341.667	0.00	0.01	0.061	O					0.22
341.750	0.00	0.01	0.061	O					0.22
341.833	0.00	0.01	0.061	O					0.22
341.917	0.00	0.01	0.061	O					0.22
342.000	0.00	0.01	0.061	O					0.22
342.083	0.00	0.01	0.061	O					0.22
342.167	0.00	0.01	0.061	O					0.22
342.250	0.00	0.01	0.061	O					0.22
342.333	0.00	0.01	0.061	O					0.22
342.417	0.00	0.01	0.061	O					0.22
342.500	0.00	0.01	0.061	O					0.22
342.583	0.00	0.01	0.061	O					0.22
342.667	0.00	0.01	0.061	O					0.22
342.750	0.00	0.01	0.061	O					0.22
342.833	0.00	0.01	0.061	O					0.22
342.917	0.00	0.01	0.061	O					0.22
343.000	0.00	0.01	0.061	O					0.22
343.083	0.00	0.01	0.061	O					0.22
343.167	0.00	0.01	0.061	O					0.22
343.250	0.00	0.01	0.061	O					0.22
343.333	0.00	0.01	0.060	O					0.22
343.417	0.00	0.01	0.060	O					0.22
343.500	0.00	0.01	0.060	O					0.22
343.583	0.00	0.01	0.060	O					0.22
343.667	0.00	0.01	0.060	O					0.22
343.750	0.00	0.01	0.060	O					0.22
343.833	0.00	0.01	0.060	O					0.22
343.917	0.00	0.01	0.060	O					0.22
344.000	0.00	0.01	0.060	O					0.22
344.083	0.00	0.01	0.060	O					0.22
344.167	0.00	0.01	0.060	O					0.22
344.250	0.00	0.01	0.060	O					0.21
344.333	0.00	0.01	0.060	O					0.21
344.417	0.00	0.01	0.060	O					0.21
344.500	0.00	0.01	0.060	O					0.21
344.583	0.00	0.01	0.060	O					0.21
344.667	0.00	0.01	0.060	O					0.21
344.750	0.00	0.01	0.060	O					0.21
344.833	0.00	0.01	0.060	O					0.21
344.917	0.00	0.01	0.060	O					0.21
345.000	0.00	0.01	0.060	O					0.21
345.083	0.00	0.01	0.060	O					0.21
345.167	0.00	0.01	0.060	O					0.21
345.250	0.00	0.01	0.060	O					0.21
345.333	0.00	0.01	0.059	O					0.21
345.417	0.00	0.01	0.059	O					0.21
345.500	0.00	0.01	0.059	O					0.21
345.583	0.00	0.01	0.059	O					0.21
345.667	0.00	0.01	0.059	O					0.21
345.750	0.00	0.01	0.059	O					0.21
345.833	0.00	0.01	0.059	O					0.21
345.917	0.00	0.01	0.059	O					0.21
346.000	0.00	0.01	0.059	O					0.21
346.083	0.00	0.01	0.059	O					0.21
346.167	0.00	0.01	0.059	O					0.21
346.250	0.00	0.01	0.059	O					0.21
346.333	0.00	0.01	0.059	O					0.21
346.417	0.00	0.01	0.059	O					0.21
346.500	0.00	0.01	0.059	O					0.21
346.583	0.00	0.01	0.059	O					0.21
346.667	0.00	0.01	0.059	O					0.21
346.750	0.00	0.01	0.059	O					0.21
346.833	0.00	0.01	0.059	O					0.21
346.917	0.00	0.01	0.059	O					0.21

347.000	0.00	0.01	0.059	O					0.21
347.083	0.00	0.01	0.059	O					0.21
347.167	0.00	0.01	0.059	O					0.21
347.250	0.00	0.01	0.059	O					0.21
347.333	0.00	0.01	0.059	O					0.21
347.417	0.00	0.01	0.058	O					0.21
347.500	0.00	0.01	0.058	O					0.21
347.583	0.00	0.01	0.058	O					0.21
347.667	0.00	0.01	0.058	O					0.21
347.750	0.00	0.01	0.058	O					0.21
347.833	0.00	0.01	0.058	O					0.21
347.917	0.00	0.01	0.058	O					0.21
348.000	0.00	0.01	0.058	O					0.21
348.083	0.00	0.01	0.058	O					0.21
348.167	0.00	0.01	0.058	O					0.21
348.250	0.00	0.01	0.058	O					0.21
348.333	0.00	0.01	0.058	O					0.21
348.417	0.00	0.01	0.058	O					0.21
348.500	0.00	0.01	0.058	O					0.21
348.583	0.00	0.01	0.058	O					0.21
348.667	0.00	0.01	0.058	O					0.21
348.750	0.00	0.01	0.058	O					0.21
348.833	0.00	0.01	0.058	O					0.21
348.917	0.00	0.01	0.058	O					0.21
349.000	0.00	0.01	0.058	O					0.21
349.083	0.00	0.01	0.058	O					0.21
349.167	0.00	0.01	0.058	O					0.21
349.250	0.00	0.01	0.058	O					0.21
349.333	0.00	0.01	0.058	O					0.21
349.417	0.00	0.01	0.058	O					0.21
349.500	0.00	0.01	0.058	O					0.21
349.583	0.00	0.01	0.057	O					0.21
349.667	0.00	0.01	0.057	O					0.21
349.750	0.00	0.01	0.057	O					0.21
349.833	0.00	0.01	0.057	O					0.21
349.917	0.00	0.01	0.057	O					0.21
350.000	0.00	0.01	0.057	O					0.21
350.083	0.00	0.01	0.057	O					0.20
350.167	0.00	0.01	0.057	O					0.20
350.250	0.00	0.01	0.057	O					0.20
350.333	0.00	0.01	0.057	O					0.20
350.417	0.00	0.01	0.057	O					0.20
350.500	0.00	0.01	0.057	O					0.20
350.583	0.00	0.01	0.057	O					0.20
350.667	0.00	0.01	0.057	O					0.20
350.750	0.00	0.01	0.057	O					0.20
350.833	0.00	0.01	0.057	O					0.20
350.917	0.00	0.01	0.057	O					0.20
351.000	0.00	0.01	0.057	O					0.20
351.083	0.00	0.01	0.057	O					0.20
351.167	0.00	0.01	0.057	O					0.20
351.250	0.00	0.01	0.057	O					0.20
351.333	0.00	0.01	0.057	O					0.20
351.417	0.00	0.01	0.057	O					0.20
351.500	0.00	0.01	0.057	O					0.20
351.583	0.00	0.01	0.057	O					0.20
351.667	0.00	0.01	0.056	O					0.20
351.750	0.00	0.01	0.056	O					0.20
351.833	0.00	0.01	0.056	O					0.20
351.917	0.00	0.01	0.056	O					0.20
352.000	0.00	0.01	0.056	O					0.20
352.083	0.00	0.01	0.056	O					0.20
352.167	0.00	0.01	0.056	O					0.20
352.250	0.00	0.01	0.056	O					0.20
352.333	0.00	0.01	0.056	O					0.20
352.417	0.00	0.01	0.056	O					0.20
352.500	0.00	0.01	0.056	O					0.20
352.583	0.00	0.01	0.056	O					0.20
352.667	0.00	0.01	0.056	O					0.20
352.750	0.00	0.01	0.056	O					0.20
352.833	0.00	0.01	0.056	O					0.20
352.917	0.00	0.01	0.056	O					0.20
353.000	0.00	0.01	0.056	O					0.20

353.083	0.00	0.01	0.056	O				0.20
353.167	0.00	0.01	0.056	O				0.20
353.250	0.00	0.01	0.056	O				0.20
353.333	0.00	0.01	0.056	O				0.20
353.417	0.00	0.01	0.056	O				0.20
353.500	0.00	0.01	0.056	O				0.20
353.583	0.00	0.01	0.056	O				0.20
353.667	0.00	0.01	0.056	O				0.20
353.750	0.00	0.01	0.056	O				0.20
353.833	0.00	0.01	0.056	O				0.20
353.917	0.00	0.01	0.055	O				0.20
354.000	0.00	0.01	0.055	O				0.20
354.083	0.00	0.01	0.055	O				0.20
354.167	0.00	0.01	0.055	O				0.20
354.250	0.00	0.01	0.055	O				0.20
354.333	0.00	0.01	0.055	O				0.20
354.417	0.00	0.01	0.055	O				0.20
354.500	0.00	0.01	0.055	O				0.20
354.583	0.00	0.01	0.055	O				0.20
354.667	0.00	0.01	0.055	O				0.20
354.750	0.00	0.01	0.055	O				0.20
354.833	0.00	0.01	0.055	O				0.20
354.917	0.00	0.01	0.055	O				0.20
355.000	0.00	0.01	0.055	O				0.20
355.083	0.00	0.01	0.055	O				0.20
355.167	0.00	0.01	0.055	O				0.20
355.250	0.00	0.01	0.055	O				0.20
355.333	0.00	0.01	0.055	O				0.20
355.417	0.00	0.01	0.055	O				0.20
355.500	0.00	0.01	0.055	O				0.20
355.583	0.00	0.01	0.055	O				0.20
355.667	0.00	0.01	0.055	O				0.20
355.750	0.00	0.01	0.055	O				0.20
355.833	0.00	0.01	0.055	O				0.20
355.917	0.00	0.01	0.055	O				0.20
356.000	0.00	0.01	0.055	O				0.20
356.083	0.00	0.01	0.054	O				0.20
356.167	0.00	0.01	0.054	O				0.19
356.250	0.00	0.01	0.054	O				0.19
356.333	0.00	0.01	0.054	O				0.19
356.417	0.00	0.01	0.054	O				0.19
356.500	0.00	0.01	0.054	O				0.19
356.583	0.00	0.01	0.054	O				0.19
356.667	0.00	0.01	0.054	O				0.19
356.750	0.00	0.01	0.054	O				0.19
356.833	0.00	0.01	0.054	O				0.19
356.917	0.00	0.01	0.054	O				0.19
357.000	0.00	0.01	0.054	O				0.19
357.083	0.00	0.01	0.054	O				0.19
357.167	0.00	0.01	0.054	O				0.19
357.250	0.00	0.01	0.054	O				0.19
357.333	0.00	0.01	0.054	O				0.19
357.417	0.00	0.01	0.054	O				0.19
357.500	0.00	0.01	0.054	O				0.19
357.583	0.00	0.01	0.054	O				0.19
357.667	0.00	0.01	0.054	O				0.19
357.750	0.00	0.01	0.054	O				0.19
357.833	0.00	0.01	0.054	O				0.19
357.917	0.00	0.01	0.054	O				0.19
358.000	0.00	0.01	0.054	O				0.19
358.083	0.00	0.01	0.054	O				0.19
358.167	0.00	0.01	0.054	O				0.19
358.250	0.00	0.01	0.054	O				0.19
358.333	0.00	0.01	0.054	O				0.19
358.417	0.00	0.01	0.053	O				0.19
358.500	0.00	0.01	0.053	O				0.19
358.583	0.00	0.01	0.053	O				0.19
358.667	0.00	0.01	0.053	O				0.19
358.750	0.00	0.01	0.053	O				0.19
358.833	0.00	0.01	0.053	O				0.19
358.917	0.00	0.01	0.053	O				0.19
359.000	0.00	0.01	0.053	O				0.19
359.083	0.00	0.01	0.053	O				0.19

359.167	0.00	0.01	0.053	O				0.19
359.250	0.00	0.01	0.053	O				0.19
359.333	0.00	0.01	0.053	O				0.19
359.417	0.00	0.01	0.053	O				0.19
359.500	0.00	0.01	0.053	O				0.19
359.583	0.00	0.01	0.053	O				0.19
359.667	0.00	0.01	0.053	O				0.19
359.750	0.00	0.01	0.053	O				0.19
359.833	0.00	0.01	0.053	O				0.19
359.917	0.00	0.01	0.053	O				0.19
360.000	0.00	0.01	0.053	O				0.19
360.083	0.00	0.01	0.053	O				0.19
360.167	0.00	0.01	0.053	O				0.19
360.250	0.00	0.01	0.053	O				0.19
360.333	0.00	0.01	0.053	O				0.19
360.417	0.00	0.01	0.053	O				0.19
360.500	0.00	0.01	0.053	O				0.19
360.583	0.00	0.01	0.053	O				0.19
360.667	0.00	0.01	0.052	O				0.19
360.750	0.00	0.01	0.052	O				0.19
360.833	0.00	0.01	0.052	O				0.19
360.917	0.00	0.01	0.052	O				0.19
361.000	0.00	0.01	0.052	O				0.19
361.083	0.00	0.01	0.052	O				0.19
361.167	0.00	0.01	0.052	O				0.19
361.250	0.00	0.01	0.052	O				0.19
361.333	0.00	0.01	0.052	O				0.19
361.417	0.00	0.01	0.052	O				0.19
361.500	0.00	0.01	0.052	O				0.19
361.583	0.00	0.01	0.052	O				0.19
361.667	0.00	0.01	0.052	O				0.19
361.750	0.00	0.01	0.052	O				0.19
361.833	0.00	0.01	0.052	O				0.19
361.917	0.00	0.01	0.052	O				0.19
362.000	0.00	0.01	0.052	O				0.19
362.083	0.00	0.01	0.052	O				0.19
362.167	0.00	0.01	0.052	O				0.19
362.250	0.00	0.01	0.052	O				0.19
362.333	0.00	0.01	0.052	O				0.19
362.417	0.00	0.01	0.052	O				0.19
362.500	0.00	0.01	0.052	O				0.19
362.583	0.00	0.01	0.052	O				0.19
362.667	0.00	0.01	0.052	O				0.18
362.750	0.00	0.01	0.052	O				0.18
362.833	0.00	0.01	0.052	O				0.18
362.917	0.00	0.01	0.052	O				0.18
363.000	0.00	0.01	0.052	O				0.18
363.083	0.00	0.01	0.051	O				0.18
363.167	0.00	0.01	0.051	O				0.18
363.250	0.00	0.01	0.051	O				0.18
363.333	0.00	0.01	0.051	O				0.18
363.417	0.00	0.01	0.051	O				0.18
363.500	0.00	0.01	0.051	O				0.18
363.583	0.00	0.01	0.051	O				0.18
363.667	0.00	0.01	0.051	O				0.18
363.750	0.00	0.01	0.051	O				0.18
363.833	0.00	0.01	0.051	O				0.18
363.917	0.00	0.01	0.051	O				0.18
364.000	0.00	0.01	0.051	O				0.18
364.083	0.00	0.01	0.051	O				0.18
364.167	0.00	0.01	0.051	O				0.18
364.250	0.00	0.01	0.051	O				0.18
364.333	0.00	0.01	0.051	O				0.18
364.417	0.00	0.01	0.051	O				0.18
364.500	0.00	0.01	0.051	O				0.18
364.583	0.00	0.01	0.051	O				0.18
364.667	0.00	0.01	0.051	O				0.18
364.750	0.00	0.01	0.051	O				0.18
364.833	0.00	0.01	0.051	O				0.18
364.917	0.00	0.01	0.051	O				0.18
365.000	0.00	0.01	0.051	O				0.18
365.083	0.00	0.01	0.051	O				0.18
365.167	0.00	0.00	0.051	O				0.18

365.250	0.00	0.00	0.051	O					0.18
365.333	0.00	0.00	0.051	O					0.18
365.417	0.00	0.00	0.050	O					0.18
365.500	0.00	0.00	0.050	O					0.18
365.583	0.00	0.00	0.050	O					0.18
365.667	0.00	0.00	0.050	O					0.18
365.750	0.00	0.00	0.050	O					0.18
365.833	0.00	0.00	0.050	O					0.18
365.917	0.00	0.00	0.050	O					0.18
366.000	0.00	0.00	0.050	O					0.18
366.083	0.00	0.00	0.050	O					0.18
366.167	0.00	0.00	0.050	O					0.18
366.250	0.00	0.00	0.050	O					0.18
366.333	0.00	0.00	0.050	O					0.18
366.417	0.00	0.00	0.050	O					0.18
366.500	0.00	0.00	0.050	O					0.18
366.583	0.00	0.00	0.050	O					0.18
366.667	0.00	0.00	0.050	O					0.18
366.750	0.00	0.00	0.050	O					0.18
366.833	0.00	0.00	0.050	O					0.18
366.917	0.00	0.00	0.050	O					0.18
367.000	0.00	0.00	0.050	O					0.18
367.083	0.00	0.00	0.050	O					0.18
367.167	0.00	0.00	0.050	O					0.18
367.250	0.00	0.00	0.050	O					0.18
367.333	0.00	0.00	0.050	O					0.18
367.417	0.00	0.00	0.050	O					0.18
367.500	0.00	0.00	0.050	O					0.18
367.583	0.00	0.00	0.050	O					0.18
367.667	0.00	0.00	0.050	O					0.18
367.750	0.00	0.00	0.050	O					0.18
367.833	0.00	0.00	0.050	O					0.18
367.917	0.00	0.00	0.049	O					0.18
368.000	0.00	0.00	0.049	O					0.18
368.083	0.00	0.00	0.049	O					0.18
368.167	0.00	0.00	0.049	O					0.18
368.250	0.00	0.00	0.049	O					0.18
368.333	0.00	0.00	0.049	O					0.18
368.417	0.00	0.00	0.049	O					0.18
368.500	0.00	0.00	0.049	O					0.18
368.583	0.00	0.00	0.049	O					0.18
368.667	0.00	0.00	0.049	O					0.18
368.750	0.00	0.00	0.049	O					0.18
368.833	0.00	0.00	0.049	O					0.18
368.917	0.00	0.00	0.049	O					0.18
369.000	0.00	0.00	0.049	O					0.18
369.083	0.00	0.00	0.049	O					0.18
369.167	0.00	0.00	0.049	O					0.18
369.250	0.00	0.00	0.049	O					0.18
369.333	0.00	0.00	0.049	O					0.18
369.417	0.00	0.00	0.049	O					0.17
369.500	0.00	0.00	0.049	O					0.17
369.583	0.00	0.00	0.049	O					0.17
369.667	0.00	0.00	0.049	O					0.17
369.750	0.00	0.00	0.049	O					0.17
369.833	0.00	0.00	0.049	O					0.17
369.917	0.00	0.00	0.049	O					0.17
370.000	0.00	0.00	0.049	O					0.17
370.083	0.00	0.00	0.049	O					0.17
370.167	0.00	0.00	0.049	O					0.17
370.250	0.00	0.00	0.049	O					0.17
370.333	0.00	0.00	0.049	O					0.17
370.417	0.00	0.00	0.048	O					0.17
370.500	0.00	0.00	0.048	O					0.17
370.583	0.00	0.00	0.048	O					0.17
370.667	0.00	0.00	0.048	O					0.17
370.750	0.00	0.00	0.048	O					0.17
370.833	0.00	0.00	0.048	O					0.17
370.917	0.00	0.00	0.048	O					0.17
371.000	0.00	0.00	0.048	O					0.17
371.083	0.00	0.00	0.048	O					0.17
371.167	0.00	0.00	0.048	O					0.17
371.250	0.00	0.00	0.048	O					0.17

371.333	0.00	0.00	0.048	O	|	|	|	|	0.17
371.417	0.00	0.00	0.048	O	|	|	|	|	0.17
371.500	0.00	0.00	0.048	O	|	|	|	|	0.17
371.583	0.00	0.00	0.048	O	|	|	|	|	0.17
371.667	0.00	0.00	0.048	O	|	|	|	|	0.17
371.750	0.00	0.00	0.048	O	|	|	|	|	0.17
371.833	0.00	0.00	0.048	O	|	|	|	|	0.17
371.917	0.00	0.00	0.048	O	|	|	|	|	0.17
372.000	0.00	0.00	0.048	O	|	|	|	|	0.17
372.083	0.00	0.00	0.048	O	|	|	|	|	0.17
372.167	0.00	0.00	0.048	O	|	|	|	|	0.17
372.250	0.00	0.00	0.048	O	|	|	|	|	0.17
372.333	0.00	0.00	0.048	O	|	|	|	|	0.17
372.417	0.00	0.00	0.048	O	|	|	|	|	0.17
372.500	0.00	0.00	0.048	O	|	|	|	|	0.17
372.583	0.00	0.00	0.048	O	|	|	|	|	0.17
372.667	0.00	0.00	0.048	O	|	|	|	|	0.17
372.750	0.00	0.00	0.048	O	|	|	|	|	0.17
372.833	0.00	0.00	0.048	O	|	|	|	|	0.17
372.917	0.00	0.00	0.047	O	|	|	|	|	0.17
373.000	0.00	0.00	0.047	O	|	|	|	|	0.17
373.083	0.00	0.00	0.047	O	|	|	|	|	0.17
373.167	0.00	0.00	0.047	O	|	|	|	|	0.17
373.250	0.00	0.00	0.047	O	|	|	|	|	0.17
373.333	0.00	0.00	0.047	O	|	|	|	|	0.17
373.417	0.00	0.00	0.047	O	|	|	|	|	0.17
373.500	0.00	0.00	0.047	O	|	|	|	|	0.17
373.583	0.00	0.00	0.047	O	|	|	|	|	0.17
373.667	0.00	0.00	0.047	O	|	|	|	|	0.17
373.750	0.00	0.00	0.047	O	|	|	|	|	0.17
373.833	0.00	0.00	0.047	O	|	|	|	|	0.17
373.917	0.00	0.00	0.047	O	|	|	|	|	0.17
374.000	0.00	0.00	0.047	O	|	|	|	|	0.17
374.083	0.00	0.00	0.047	O	|	|	|	|	0.17
374.167	0.00	0.00	0.047	O	|	|	|	|	0.17
374.250	0.00	0.00	0.047	O	|	|	|	|	0.17
374.333	0.00	0.00	0.047	O	|	|	|	|	0.17
374.417	0.00	0.00	0.047	O	|	|	|	|	0.17
374.500	0.00	0.00	0.047	O	|	|	|	|	0.17
374.583	0.00	0.00	0.047	O	|	|	|	|	0.17
374.667	0.00	0.00	0.047	O	|	|	|	|	0.17
374.750	0.00	0.00	0.047	O	|	|	|	|	0.17
374.833	0.00	0.00	0.047	O	|	|	|	|	0.17
374.917	0.00	0.00	0.047	O	|	|	|	|	0.17
375.000	0.00	0.00	0.047	O	|	|	|	|	0.17
375.083	0.00	0.00	0.047	O	|	|	|	|	0.17
375.167	0.00	0.00	0.047	O	|	|	|	|	0.17
375.250	0.00	0.00	0.047	O	|	|	|	|	0.17
375.333	0.00	0.00	0.047	O	|	|	|	|	0.17
375.417	0.00	0.00	0.047	O	|	|	|	|	0.17
375.500	0.00	0.00	0.047	O	|	|	|	|	0.17
375.583	0.00	0.00	0.046	O	|	|	|	|	0.17
375.667	0.00	0.00	0.046	O	|	|	|	|	0.17
375.750	0.00	0.00	0.046	O	|	|	|	|	0.17
375.833	0.00	0.00	0.046	O	|	|	|	|	0.17
375.917	0.00	0.00	0.046	O	|	|	|	|	0.17
376.000	0.00	0.00	0.046	O	|	|	|	|	0.17
376.083	0.00	0.00	0.046	O	|	|	|	|	0.17
376.167	0.00	0.00	0.046	O	|	|	|	|	0.17
376.250	0.00	0.00	0.046	O	|	|	|	|	0.17
376.333	0.00	0.00	0.046	O	|	|	|	|	0.17
376.417	0.00	0.00	0.046	O	|	|	|	|	0.17
376.500	0.00	0.00	0.046	O	|	|	|	|	0.17
376.583	0.00	0.00	0.046	O	|	|	|	|	0.17
376.667	0.00	0.00	0.046	O	|	|	|	|	0.16
376.750	0.00	0.00	0.046	O	|	|	|	|	0.16
376.833	0.00	0.00	0.046	O	|	|	|	|	0.16
376.917	0.00	0.00	0.046	O	|	|	|	|	0.16
377.000	0.00	0.00	0.046	O	|	|	|	|	0.16
377.083	0.00	0.00	0.046	O	|	|	|	|	0.16
377.167	0.00	0.00	0.046	O	|	|	|	|	0.16
377.250	0.00	0.00	0.046	O	|	|	|	|	0.16
377.333	0.00	0.00	0.046	O	|	|	|	|	0.16

377.417	0.00	0.00	0.046	O					0.16
377.500	0.00	0.00	0.046	O					0.16
377.583	0.00	0.00	0.046	O					0.16
377.667	0.00	0.00	0.046	O					0.16
377.750	0.00	0.00	0.046	O					0.16
377.833	0.00	0.00	0.046	O					0.16
377.917	0.00	0.00	0.046	O					0.16
378.000	0.00	0.00	0.046	O					0.16
378.083	0.00	0.00	0.046	O					0.16
378.167	0.00	0.00	0.046	O					0.16
378.250	0.00	0.00	0.045	O					0.16
378.333	0.00	0.00	0.045	O					0.16
378.417	0.00	0.00	0.045	O					0.16
378.500	0.00	0.00	0.045	O					0.16
378.583	0.00	0.00	0.045	O					0.16
378.667	0.00	0.00	0.045	O					0.16
378.750	0.00	0.00	0.045	O					0.16
378.833	0.00	0.00	0.045	O					0.16
378.917	0.00	0.00	0.045	O					0.16
379.000	0.00	0.00	0.045	O					0.16
379.083	0.00	0.00	0.045	O					0.16
379.167	0.00	0.00	0.045	O					0.16
379.250	0.00	0.00	0.045	O					0.16
379.333	0.00	0.00	0.045	O					0.16
379.417	0.00	0.00	0.045	O					0.16
379.500	0.00	0.00	0.045	O					0.16
379.583	0.00	0.00	0.045	O					0.16
379.667	0.00	0.00	0.045	O					0.16
379.750	0.00	0.00	0.045	O					0.16
379.833	0.00	0.00	0.045	O					0.16
379.917	0.00	0.00	0.045	O					0.16
380.000	0.00	0.00	0.045	O					0.16
380.083	0.00	0.00	0.045	O					0.16
380.167	0.00	0.00	0.045	O					0.16
380.250	0.00	0.00	0.045	O					0.16
380.333	0.00	0.00	0.045	O					0.16
380.417	0.00	0.00	0.045	O					0.16
380.500	0.00	0.00	0.045	O					0.16
380.583	0.00	0.00	0.045	O					0.16
380.667	0.00	0.00	0.045	O					0.16
380.750	0.00	0.00	0.045	O					0.16
380.833	0.00	0.00	0.045	O					0.16
380.917	0.00	0.00	0.044	O					0.16
381.000	0.00	0.00	0.044	O					0.16
381.083	0.00	0.00	0.044	O					0.16
381.167	0.00	0.00	0.044	O					0.16
381.250	0.00	0.00	0.044	O					0.16
381.333	0.00	0.00	0.044	O					0.16
381.417	0.00	0.00	0.044	O					0.16
381.500	0.00	0.00	0.044	O					0.16
381.583	0.00	0.00	0.044	O					0.16
381.667	0.00	0.00	0.044	O					0.16
381.750	0.00	0.00	0.044	O					0.16
381.833	0.00	0.00	0.044	O					0.16
381.917	0.00	0.00	0.044	O					0.16
382.000	0.00	0.00	0.044	O					0.16
382.083	0.00	0.00	0.044	O					0.16
382.167	0.00	0.00	0.044	O					0.16
382.250	0.00	0.00	0.044	O					0.16
382.333	0.00	0.00	0.044	O					0.16
382.417	0.00	0.00	0.044	O					0.16
382.500	0.00	0.00	0.044	O					0.16
382.583	0.00	0.00	0.044	O					0.16
382.667	0.00	0.00	0.044	O					0.16
382.750	0.00	0.00	0.044	O					0.16
382.833	0.00	0.00	0.044	O					0.16
382.917	0.00	0.00	0.044	O					0.16
383.000	0.00	0.00	0.044	O					0.16
383.083	0.00	0.00	0.044	O					0.16
383.167	0.00	0.00	0.044	O					0.16
383.250	0.00	0.00	0.044	O					0.16
383.333	0.00	0.00	0.044	O					0.16
383.417	0.00	0.00	0.044	O					0.16

383.500	0.00	0.00	0.044	O	|	|	|	|	0.16
383.583	0.00	0.00	0.044	O	|	|	|	|	0.16
383.667	0.00	0.00	0.044	O	|	|	|	|	0.16
383.750	0.00	0.00	0.043	O	|	|	|	|	0.16
383.833	0.00	0.00	0.043	O	|	|	|	|	0.16
383.917	0.00	0.00	0.043	O	|	|	|	|	0.16
384.000	0.00	0.00	0.043	O	|	|	|	|	0.16
384.083	0.00	0.00	0.043	O	|	|	|	|	0.16
384.167	0.00	0.00	0.043	O	|	|	|	|	0.16
384.250	0.00	0.00	0.043	O	|	|	|	|	0.16
384.333	0.00	0.00	0.043	O	|	|	|	|	0.15
384.417	0.00	0.00	0.043	O	|	|	|	|	0.15
384.500	0.00	0.00	0.043	O	|	|	|	|	0.15
384.583	0.00	0.00	0.043	O	|	|	|	|	0.15
384.667	0.00	0.00	0.043	O	|	|	|	|	0.15
384.750	0.00	0.00	0.043	O	|	|	|	|	0.15
384.833	0.00	0.00	0.043	O	|	|	|	|	0.15
384.917	0.00	0.00	0.043	O	|	|	|	|	0.15
385.000	0.00	0.00	0.043	O	|	|	|	|	0.15
385.083	0.00	0.00	0.043	O	|	|	|	|	0.15
385.167	0.00	0.00	0.043	O	|	|	|	|	0.15
385.250	0.00	0.00	0.043	O	|	|	|	|	0.15
385.333	0.00	0.00	0.043	O	|	|	|	|	0.15
385.417	0.00	0.00	0.043	O	|	|	|	|	0.15
385.500	0.00	0.00	0.043	O	|	|	|	|	0.15
385.583	0.00	0.00	0.043	O	|	|	|	|	0.15
385.667	0.00	0.00	0.043	O	|	|	|	|	0.15
385.750	0.00	0.00	0.043	O	|	|	|	|	0.15
385.833	0.00	0.00	0.043	O	|	|	|	|	0.15
385.917	0.00	0.00	0.043	O	|	|	|	|	0.15
386.000	0.00	0.00	0.043	O	|	|	|	|	0.15
386.083	0.00	0.00	0.043	O	|	|	|	|	0.15
386.167	0.00	0.00	0.043	O	|	|	|	|	0.15
386.250	0.00	0.00	0.043	O	|	|	|	|	0.15
386.333	0.00	0.00	0.043	O	|	|	|	|	0.15
386.417	0.00	0.00	0.043	O	|	|	|	|	0.15
386.500	0.00	0.00	0.043	O	|	|	|	|	0.15
386.583	0.00	0.00	0.042	O	|	|	|	|	0.15
386.667	0.00	0.00	0.042	O	|	|	|	|	0.15
386.750	0.00	0.00	0.042	O	|	|	|	|	0.15
386.833	0.00	0.00	0.042	O	|	|	|	|	0.15
386.917	0.00	0.00	0.042	O	|	|	|	|	0.15
387.000	0.00	0.00	0.042	O	|	|	|	|	0.15
387.083	0.00	0.00	0.042	O	|	|	|	|	0.15
387.167	0.00	0.00	0.042	O	|	|	|	|	0.15
387.250	0.00	0.00	0.042	O	|	|	|	|	0.15
387.333	0.00	0.00	0.042	O	|	|	|	|	0.15
387.417	0.00	0.00	0.042	O	|	|	|	|	0.15
387.500	0.00	0.00	0.042	O	|	|	|	|	0.15
387.583	0.00	0.00	0.042	O	|	|	|	|	0.15
387.667	0.00	0.00	0.042	O	|	|	|	|	0.15
387.750	0.00	0.00	0.042	O	|	|	|	|	0.15
387.833	0.00	0.00	0.042	O	|	|	|	|	0.15
387.917	0.00	0.00	0.042	O	|	|	|	|	0.15
388.000	0.00	0.00	0.042	O	|	|	|	|	0.15
388.083	0.00	0.00	0.042	O	|	|	|	|	0.15
388.167	0.00	0.00	0.042	O	|	|	|	|	0.15
388.250	0.00	0.00	0.042	O	|	|	|	|	0.15
388.333	0.00	0.00	0.042	O	|	|	|	|	0.15
388.417	0.00	0.00	0.042	O	|	|	|	|	0.15
388.500	0.00	0.00	0.042	O	|	|	|	|	0.15
388.583	0.00	0.00	0.042	O	|	|	|	|	0.15
388.667	0.00	0.00	0.042	O	|	|	|	|	0.15
388.750	0.00	0.00	0.042	O	|	|	|	|	0.15
388.833	0.00	0.00	0.042	O	|	|	|	|	0.15
388.917	0.00	0.00	0.042	O	|	|	|	|	0.15
389.000	0.00	0.00	0.042	O	|	|	|	|	0.15
389.083	0.00	0.00	0.042	O	|	|	|	|	0.15
389.167	0.00	0.00	0.042	O	|	|	|	|	0.15
389.250	0.00	0.00	0.042	O	|	|	|	|	0.15
389.333	0.00	0.00	0.042	O	|	|	|	|	0.15
389.417	0.00	0.00	0.042	O	|	|	|	|	0.15
389.500	0.00	0.00	0.041	O	|	|	|	|	0.15

389.583	0.00	0.00	0.041	O	|	|	|	|	0.15
389.667	0.00	0.00	0.041	O	|	|	|	|	0.15
389.750	0.00	0.00	0.041	O	|	|	|	|	0.15
389.833	0.00	0.00	0.041	O	|	|	|	|	0.15
389.917	0.00	0.00	0.041	O	|	|	|	|	0.15
390.000	0.00	0.00	0.041	O	|	|	|	|	0.15
390.083	0.00	0.00	0.041	O	|	|	|	|	0.15
390.167	0.00	0.00	0.041	O	|	|	|	|	0.15
390.250	0.00	0.00	0.041	O	|	|	|	|	0.15
390.333	0.00	0.00	0.041	O	|	|	|	|	0.15
390.417	0.00	0.00	0.041	O	|	|	|	|	0.15
390.500	0.00	0.00	0.041	O	|	|	|	|	0.15
390.583	0.00	0.00	0.041	O	|	|	|	|	0.15
390.667	0.00	0.00	0.041	O	|	|	|	|	0.15
390.750	0.00	0.00	0.041	O	|	|	|	|	0.15
390.833	0.00	0.00	0.041	O	|	|	|	|	0.15
390.917	0.00	0.00	0.041	O	|	|	|	|	0.15
391.000	0.00	0.00	0.041	O	|	|	|	|	0.15
391.083	0.00	0.00	0.041	O	|	|	|	|	0.15
391.167	0.00	0.00	0.041	O	|	|	|	|	0.15
391.250	0.00	0.00	0.041	O	|	|	|	|	0.15
391.333	0.00	0.00	0.041	O	|	|	|	|	0.15
391.417	0.00	0.00	0.041	O	|	|	|	|	0.15
391.500	0.00	0.00	0.041	O	|	|	|	|	0.15
391.583	0.00	0.00	0.041	O	|	|	|	|	0.15
391.667	0.00	0.00	0.041	O	|	|	|	|	0.15
391.750	0.00	0.00	0.041	O	|	|	|	|	0.15
391.833	0.00	0.00	0.041	O	|	|	|	|	0.15
391.917	0.00	0.00	0.041	O	|	|	|	|	0.15
392.000	0.00	0.00	0.041	O	|	|	|	|	0.15
392.083	0.00	0.00	0.041	O	|	|	|	|	0.15
392.167	0.00	0.00	0.041	O	|	|	|	|	0.15
392.250	0.00	0.00	0.041	O	|	|	|	|	0.15
392.333	0.00	0.00	0.041	O	|	|	|	|	0.15
392.417	0.00	0.00	0.041	O	|	|	|	|	0.15
392.500	0.00	0.00	0.040	O	|	|	|	|	0.14
392.583	0.00	0.00	0.040	O	|	|	|	|	0.14
392.667	0.00	0.00	0.040	O	|	|	|	|	0.14
392.750	0.00	0.00	0.040	O	|	|	|	|	0.14
392.833	0.00	0.00	0.040	O	|	|	|	|	0.14
392.917	0.00	0.00	0.040	O	|	|	|	|	0.14
393.000	0.00	0.00	0.040	O	|	|	|	|	0.14
393.083	0.00	0.00	0.040	O	|	|	|	|	0.14
393.167	0.00	0.00	0.040	O	|	|	|	|	0.14
393.250	0.00	0.00	0.040	O	|	|	|	|	0.14
393.333	0.00	0.00	0.040	O	|	|	|	|	0.14
393.417	0.00	0.00	0.040	O	|	|	|	|	0.14
393.500	0.00	0.00	0.040	O	|	|	|	|	0.14
393.583	0.00	0.00	0.040	O	|	|	|	|	0.14
393.667	0.00	0.00	0.040	O	|	|	|	|	0.14
393.750	0.00	0.00	0.040	O	|	|	|	|	0.14
393.833	0.00	0.00	0.040	O	|	|	|	|	0.14
393.917	0.00	0.00	0.040	O	|	|	|	|	0.14
394.000	0.00	0.00	0.040	O	|	|	|	|	0.14
394.083	0.00	0.00	0.040	O	|	|	|	|	0.14
394.167	0.00	0.00	0.040	O	|	|	|	|	0.14
394.250	0.00	0.00	0.040	O	|	|	|	|	0.14
394.333	0.00	0.00	0.040	O	|	|	|	|	0.14
394.417	0.00	0.00	0.040	O	|	|	|	|	0.14
394.500	0.00	0.00	0.040	O	|	|	|	|	0.14
394.583	0.00	0.00	0.040	O	|	|	|	|	0.14
394.667	0.00	0.00	0.040	O	|	|	|	|	0.14
394.750	0.00	0.00	0.040	O	|	|	|	|	0.14
394.833	0.00	0.00	0.040	O	|	|	|	|	0.14
394.917	0.00	0.00	0.040	O	|	|	|	|	0.14
395.000	0.00	0.00	0.040	O	|	|	|	|	0.14
395.083	0.00	0.00	0.040	O	|	|	|	|	0.14
395.167	0.00	0.00	0.040	O	|	|	|	|	0.14
395.250	0.00	0.00	0.040	O	|	|	|	|	0.14
395.333	0.00	0.00	0.040	O	|	|	|	|	0.14
395.417	0.00	0.00	0.040	O	|	|	|	|	0.14
395.500	0.00	0.00	0.040	O	|	|	|	|	0.14
395.583	0.00	0.00	0.039	O	|	|	|	|	0.14

395.667	0.00	0.00	0.039	O					0.14
395.750	0.00	0.00	0.039	O					0.14
395.833	0.00	0.00	0.039	O					0.14
395.917	0.00	0.00	0.039	O					0.14
396.000	0.00	0.00	0.039	O					0.14
396.083	0.00	0.00	0.039	O					0.14
396.167	0.00	0.00	0.039	O					0.14
396.250	0.00	0.00	0.039	O					0.14
396.333	0.00	0.00	0.039	O					0.14
396.417	0.00	0.00	0.039	O					0.14
396.500	0.00	0.00	0.039	O					0.14
396.583	0.00	0.00	0.039	O					0.14
396.667	0.00	0.00	0.039	O					0.14
396.750	0.00	0.00	0.039	O					0.14
396.833	0.00	0.00	0.039	O					0.14
396.917	0.00	0.00	0.039	O					0.14
397.000	0.00	0.00	0.039	O					0.14
397.083	0.00	0.00	0.039	O					0.14
397.167	0.00	0.00	0.039	O					0.14
397.250	0.00	0.00	0.039	O					0.14
397.333	0.00	0.00	0.039	O					0.14
397.417	0.00	0.00	0.039	O					0.14
397.500	0.00	0.00	0.039	O					0.14
397.583	0.00	0.00	0.039	O					0.14
397.667	0.00	0.00	0.039	O					0.14
397.750	0.00	0.00	0.039	O					0.14
397.833	0.00	0.00	0.039	O					0.14
397.917	0.00	0.00	0.039	O					0.14
398.000	0.00	0.00	0.039	O					0.14
398.083	0.00	0.00	0.039	O					0.14
398.167	0.00	0.00	0.039	O					0.14
398.250	0.00	0.00	0.039	O					0.14
398.333	0.00	0.00	0.039	O					0.14
398.417	0.00	0.00	0.039	O					0.14
398.500	0.00	0.00	0.039	O					0.14
398.583	0.00	0.00	0.039	O					0.14
398.667	0.00	0.00	0.038	O					0.14
398.750	0.00	0.00	0.038	O					0.14
398.833	0.00	0.00	0.038	O					0.14
398.917	0.00	0.00	0.038	O					0.14
399.000	0.00	0.00	0.038	O					0.14
399.083	0.00	0.00	0.038	O					0.14
399.167	0.00	0.00	0.038	O					0.14
399.250	0.00	0.00	0.038	O					0.14
399.333	0.00	0.00	0.038	O					0.14
399.417	0.00	0.00	0.038	O					0.14
399.500	0.00	0.00	0.038	O					0.14
399.583	0.00	0.00	0.038	O					0.14
399.667	0.00	0.00	0.038	O					0.14
399.750	0.00	0.00	0.038	O					0.14
399.833	0.00	0.00	0.038	O					0.14
399.917	0.00	0.00	0.038	O					0.14
400.000	0.00	0.00	0.038	O					0.14
400.083	0.00	0.00	0.038	O					0.14
400.167	0.00	0.00	0.038	O					0.14
400.250	0.00	0.00	0.038	O					0.14
400.333	0.00	0.00	0.038	O					0.14
400.417	0.00	0.00	0.038	O					0.14
400.500	0.00	0.00	0.038	O					0.14
400.583	0.00	0.00	0.038	O					0.14
400.667	0.00	0.00	0.038	O					0.14
400.750	0.00	0.00	0.038	O					0.14
400.833	0.00	0.00	0.038	O					0.14
400.917	0.00	0.00	0.038	O					0.14
401.000	0.00	0.00	0.038	O					0.14
401.083	0.00	0.00	0.038	O					0.14
401.167	0.00	0.00	0.038	O					0.14
401.250	0.00	0.00	0.038	O					0.13
401.333	0.00	0.00	0.038	O					0.13
401.417	0.00	0.00	0.038	O					0.13
401.500	0.00	0.00	0.038	O					0.13
401.583	0.00	0.00	0.038	O					0.13
401.667	0.00	0.00	0.038	O					0.13

401.750	0.00	0.00	0.038	O					0.13
401.833	0.00	0.00	0.038	O					0.13
401.917	0.00	0.00	0.037	O					0.13
402.000	0.00	0.00	0.037	O					0.13
402.083	0.00	0.00	0.037	O					0.13
402.167	0.00	0.00	0.037	O					0.13
402.250	0.00	0.00	0.037	O					0.13
402.333	0.00	0.00	0.037	O					0.13
402.417	0.00	0.00	0.037	O					0.13
402.500	0.00	0.00	0.037	O					0.13
402.583	0.00	0.00	0.037	O					0.13
402.667	0.00	0.00	0.037	O					0.13
402.750	0.00	0.00	0.037	O					0.13
402.833	0.00	0.00	0.037	O					0.13
402.917	0.00	0.00	0.037	O					0.13
403.000	0.00	0.00	0.037	O					0.13
403.083	0.00	0.00	0.037	O					0.13
403.167	0.00	0.00	0.037	O					0.13
403.250	0.00	0.00	0.037	O					0.13
403.333	0.00	0.00	0.037	O					0.13
403.417	0.00	0.00	0.037	O					0.13
403.500	0.00	0.00	0.037	O					0.13
403.583	0.00	0.00	0.037	O					0.13
403.667	0.00	0.00	0.037	O					0.13
403.750	0.00	0.00	0.037	O					0.13
403.833	0.00	0.00	0.037	O					0.13
403.917	0.00	0.00	0.037	O					0.13
404.000	0.00	0.00	0.037	O					0.13
404.083	0.00	0.00	0.037	O					0.13
404.167	0.00	0.00	0.037	O					0.13
404.250	0.00	0.00	0.037	O					0.13
404.333	0.00	0.00	0.037	O					0.13
404.417	0.00	0.00	0.037	O					0.13
404.500	0.00	0.00	0.037	O					0.13
404.583	0.00	0.00	0.037	O					0.13
404.667	0.00	0.00	0.037	O					0.13
404.750	0.00	0.00	0.037	O					0.13
404.833	0.00	0.00	0.037	O					0.13
404.917	0.00	0.00	0.037	O					0.13
405.000	0.00	0.00	0.037	O					0.13
405.083	0.00	0.00	0.037	O					0.13
405.167	0.00	0.00	0.037	O					0.13
405.250	0.00	0.00	0.036	O					0.13
405.333	0.00	0.00	0.036	O					0.13
405.417	0.00	0.00	0.036	O					0.13
405.500	0.00	0.00	0.036	O					0.13
405.583	0.00	0.00	0.036	O					0.13
405.667	0.00	0.00	0.036	O					0.13
405.750	0.00	0.00	0.036	O					0.13
405.833	0.00	0.00	0.036	O					0.13
405.917	0.00	0.00	0.036	O					0.13
406.000	0.00	0.00	0.036	O					0.13
406.083	0.00	0.00	0.036	O					0.13
406.167	0.00	0.00	0.036	O					0.13
406.250	0.00	0.00	0.036	O					0.13
406.333	0.00	0.00	0.036	O					0.13
406.417	0.00	0.00	0.036	O					0.13
406.500	0.00	0.00	0.036	O					0.13
406.583	0.00	0.00	0.036	O					0.13
406.667	0.00	0.00	0.036	O					0.13
406.750	0.00	0.00	0.036	O					0.13
406.833	0.00	0.00	0.036	O					0.13
406.917	0.00	0.00	0.036	O					0.13
407.000	0.00	0.00	0.036	O					0.13
407.083	0.00	0.00	0.036	O					0.13
407.167	0.00	0.00	0.036	O					0.13
407.250	0.00	0.00	0.036	O					0.13
407.333	0.00	0.00	0.036	O					0.13
407.417	0.00	0.00	0.036	O					0.13
407.500	0.00	0.00	0.036	O					0.13
407.583	0.00	0.00	0.036	O					0.13
407.667	0.00	0.00	0.036	O					0.13
407.750	0.00	0.00	0.036	O					0.13

407.833	0.00	0.00	0.036	O	|	|	|	|	0.13
407.917	0.00	0.00	0.036	O	|	|	|	|	0.13
408.000	0.00	0.00	0.036	O	|	|	|	|	0.13
408.083	0.00	0.00	0.036	O	|	|	|	|	0.13
408.167	0.00	0.00	0.036	O	|	|	|	|	0.13
408.250	0.00	0.00	0.036	O	|	|	|	|	0.13
408.333	0.00	0.00	0.036	O	|	|	|	|	0.13
408.417	0.00	0.00	0.036	O	|	|	|	|	0.13
408.500	0.00	0.00	0.036	O	|	|	|	|	0.13
408.583	0.00	0.00	0.036	O	|	|	|	|	0.13
408.667	0.00	0.00	0.035	O	|	|	|	|	0.13
408.750	0.00	0.00	0.035	O	|	|	|	|	0.13
408.833	0.00	0.00	0.035	O	|	|	|	|	0.13
408.917	0.00	0.00	0.035	O	|	|	|	|	0.13
409.000	0.00	0.00	0.035	O	|	|	|	|	0.13
409.083	0.00	0.00	0.035	O	|	|	|	|	0.13
409.167	0.00	0.00	0.035	O	|	|	|	|	0.13
409.250	0.00	0.00	0.035	O	|	|	|	|	0.13
409.333	0.00	0.00	0.035	O	|	|	|	|	0.13
409.417	0.00	0.00	0.035	O	|	|	|	|	0.13
409.500	0.00	0.00	0.035	O	|	|	|	|	0.13
409.583	0.00	0.00	0.035	O	|	|	|	|	0.13
409.667	0.00	0.00	0.035	O	|	|	|	|	0.13
409.750	0.00	0.00	0.035	O	|	|	|	|	0.13
409.833	0.00	0.00	0.035	O	|	|	|	|	0.13
409.917	0.00	0.00	0.035	O	|	|	|	|	0.13
410.000	0.00	0.00	0.035	O	|	|	|	|	0.13
410.083	0.00	0.00	0.035	O	|	|	|	|	0.13
410.167	0.00	0.00	0.035	O	|	|	|	|	0.13
410.250	0.00	0.00	0.035	O	|	|	|	|	0.13
410.333	0.00	0.00	0.035	O	|	|	|	|	0.13
410.417	0.00	0.00	0.035	O	|	|	|	|	0.13
410.500	0.00	0.00	0.035	O	|	|	|	|	0.13
410.583	0.00	0.00	0.035	O	|	|	|	|	0.13
410.667	0.00	0.00	0.035	O	|	|	|	|	0.12
410.750	0.00	0.00	0.035	O	|	|	|	|	0.12
410.833	0.00	0.00	0.035	O	|	|	|	|	0.12
410.917	0.00	0.00	0.035	O	|	|	|	|	0.12
411.000	0.00	0.00	0.035	O	|	|	|	|	0.12
411.083	0.00	0.00	0.035	O	|	|	|	|	0.12
411.167	0.00	0.00	0.035	O	|	|	|	|	0.12
411.250	0.00	0.00	0.035	O	|	|	|	|	0.12
411.333	0.00	0.00	0.035	O	|	|	|	|	0.12
411.417	0.00	0.00	0.035	O	|	|	|	|	0.12
411.500	0.00	0.00	0.035	O	|	|	|	|	0.12
411.583	0.00	0.00	0.035	O	|	|	|	|	0.12
411.667	0.00	0.00	0.035	O	|	|	|	|	0.12
411.750	0.00	0.00	0.035	O	|	|	|	|	0.12
411.833	0.00	0.00	0.035	O	|	|	|	|	0.12
411.917	0.00	0.00	0.035	O	|	|	|	|	0.12
412.000	0.00	0.00	0.035	O	|	|	|	|	0.12
412.083	0.00	0.00	0.035	O	|	|	|	|	0.12
412.167	0.00	0.00	0.034	O	|	|	|	|	0.12
412.250	0.00	0.00	0.034	O	|	|	|	|	0.12
412.333	0.00	0.00	0.034	O	|	|	|	|	0.12
412.417	0.00	0.00	0.034	O	|	|	|	|	0.12
412.500	0.00	0.00	0.034	O	|	|	|	|	0.12
412.583	0.00	0.00	0.034	O	|	|	|	|	0.12
412.667	0.00	0.00	0.034	O	|	|	|	|	0.12
412.750	0.00	0.00	0.034	O	|	|	|	|	0.12
412.833	0.00	0.00	0.034	O	|	|	|	|	0.12
412.917	0.00	0.00	0.034	O	|	|	|	|	0.12
413.000	0.00	0.00	0.034	O	|	|	|	|	0.12
413.083	0.00	0.00	0.034	O	|	|	|	|	0.12
413.167	0.00	0.00	0.034	O	|	|	|	|	0.12
413.250	0.00	0.00	0.034	O	|	|	|	|	0.12
413.333	0.00	0.00	0.034	O	|	|	|	|	0.12
413.417	0.00	0.00	0.034	O	|	|	|	|	0.12
413.500	0.00	0.00	0.034	O	|	|	|	|	0.12
413.583	0.00	0.00	0.034	O	|	|	|	|	0.12
413.667	0.00	0.00	0.034	O	|	|	|	|	0.12
413.750	0.00	0.00	0.034	O	|	|	|	|	0.12
413.833	0.00	0.00	0.034	O	|	|	|	|	0.12

413.917	0.00	0.00	0.034	O	|	|	|	|	0.12
414.000	0.00	0.00	0.034	O	|	|	|	|	0.12
414.083	0.00	0.00	0.034	O	|	|	|	|	0.12
414.167	0.00	0.00	0.034	O	|	|	|	|	0.12
414.250	0.00	0.00	0.034	O	|	|	|	|	0.12
414.333	0.00	0.00	0.034	O	|	|	|	|	0.12
414.417	0.00	0.00	0.034	O	|	|	|	|	0.12
414.500	0.00	0.00	0.034	O	|	|	|	|	0.12
414.583	0.00	0.00	0.034	O	|	|	|	|	0.12
414.667	0.00	0.00	0.034	O	|	|	|	|	0.12
414.750	0.00	0.00	0.034	O	|	|	|	|	0.12
414.833	0.00	0.00	0.034	O	|	|	|	|	0.12
414.917	0.00	0.00	0.034	O	|	|	|	|	0.12
415.000	0.00	0.00	0.034	O	|	|	|	|	0.12
415.083	0.00	0.00	0.034	O	|	|	|	|	0.12
415.167	0.00	0.00	0.034	O	|	|	|	|	0.12
415.250	0.00	0.00	0.034	O	|	|	|	|	0.12
415.333	0.00	0.00	0.034	O	|	|	|	|	0.12
415.417	0.00	0.00	0.034	O	|	|	|	|	0.12
415.500	0.00	0.00	0.034	O	|	|	|	|	0.12
415.583	0.00	0.00	0.034	O	|	|	|	|	0.12
415.667	0.00	0.00	0.034	O	|	|	|	|	0.12
415.750	0.00	0.00	0.033	O	|	|	|	|	0.12
415.833	0.00	0.00	0.033	O	|	|	|	|	0.12
415.917	0.00	0.00	0.033	O	|	|	|	|	0.12
416.000	0.00	0.00	0.033	O	|	|	|	|	0.12
416.083	0.00	0.00	0.033	O	|	|	|	|	0.12
416.167	0.00	0.00	0.033	O	|	|	|	|	0.12
416.250	0.00	0.00	0.033	O	|	|	|	|	0.12
416.333	0.00	0.00	0.033	O	|	|	|	|	0.12
416.417	0.00	0.00	0.033	O	|	|	|	|	0.12
416.500	0.00	0.00	0.033	O	|	|	|	|	0.12
416.583	0.00	0.00	0.033	O	|	|	|	|	0.12
416.667	0.00	0.00	0.033	O	|	|	|	|	0.12

Remaining water in basin = 0.03 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 5001
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 18.814 (CFS)
Total volume = 3.364 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 08/02/23

Basin Routing
Yucaipa 18-Development Project
100-yr, 24-hour storm

Program License Serial Number 6481

********** HYDROGRAPH INFORMATION **********

From study/file name: UH222PA2100.rte
**********HYDROGRAPH DATA**********
Number of intervals = 294
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 49.171 (CFS)
Total volume = 6.423 (Ac.Ft)
Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

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Process from Point/Station 101.000 to Point/Station 102.000
**** RETARDING BASIN ROUTING ****
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User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 294
Hydrograph time unit = 5.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
2.900	0.810	0.080	0.810	0.810
3.000	0.840	0.760	0.837	0.843
3.500	1.010	10.000	0.976	1.044
4.000	1.190	24.710	1.105	1.275
4.500	1.370	43.290	1.221	1.519
5.000	1.560	65.060	1.336	1.784

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 12.3 24.59 36.88 49.17	Depth (Ft.)
0.083	0.08	0.00	0.000	O | | | |	0.00
0.167	0.54	0.00	0.002	O | | | |	0.01

0.250	1.17	0.00	0.008	O				0.03
0.333	1.44	0.00	0.017	O				0.06
0.417	1.52	0.00	0.028	O				0.10
0.500	1.55	0.00	0.038	OI				0.14
0.583	1.56	0.00	0.049	OI				0.17
0.667	1.57	0.01	0.059	OI				0.21
0.750	1.57	0.01	0.070	OI				0.25
0.833	1.58	0.01	0.081	OI				0.29
0.917	1.58	0.01	0.092	OI				0.33
1.000	1.58	0.01	0.103	OI				0.37
1.083	1.59	0.01	0.114	OI				0.41
1.167	1.59	0.01	0.124	OI				0.45
1.250	1.60	0.01	0.135	OI				0.48
1.333	1.60	0.01	0.146	OI				0.52
1.417	1.61	0.02	0.157	OI				0.56
1.500	1.61	0.02	0.168	OI				0.60
1.583	1.62	0.02	0.179	OI				0.64
1.667	1.62	0.02	0.190	OI				0.68
1.750	1.62	0.02	0.201	OI				0.72
1.833	1.63	0.02	0.212	OI				0.76
1.917	1.63	0.02	0.223	OI				0.80
2.000	1.64	0.02	0.234	OI				0.84
2.083	1.64	0.02	0.246	OI				0.88
2.167	1.65	0.03	0.257	OI				0.92
2.250	1.65	0.03	0.268	OI				0.96
2.333	1.66	0.03	0.279	OI				1.00
2.417	1.66	0.03	0.290	OI				1.04
2.500	1.67	0.03	0.302	OI				1.08
2.583	1.67	0.03	0.313	OI				1.12
2.667	1.68	0.03	0.324	OI				1.16
2.750	1.68	0.03	0.336	OI				1.20
2.833	1.69	0.03	0.347	OI				1.24
2.917	1.70	0.04	0.358	OI				1.28
3.000	1.70	0.04	0.370	OI				1.32
3.083	1.71	0.04	0.381	OI				1.37
3.167	1.71	0.04	0.393	OI				1.41
3.250	1.72	0.04	0.404	OI				1.45
3.333	1.72	0.04	0.416	OI				1.49
3.417	1.73	0.04	0.428	OI				1.53
3.500	1.73	0.04	0.439	OI				1.57
3.583	1.74	0.04	0.451	OI				1.61
3.667	1.75	0.05	0.463	OI				1.66
3.750	1.75	0.05	0.474	OI				1.70
3.833	1.76	0.05	0.486	OI				1.74
3.917	1.76	0.05	0.498	OI				1.78
4.000	1.77	0.05	0.510	OI				1.82
4.083	1.78	0.05	0.522	OI				1.87
4.167	1.78	0.05	0.533	OI				1.91
4.250	1.79	0.05	0.545	OI				1.95
4.333	1.79	0.06	0.557	OI				2.00
4.417	1.80	0.06	0.569	OI				2.04
4.500	1.81	0.06	0.581	OI				2.08
4.583	1.81	0.06	0.593	OI				2.12
4.667	1.82	0.06	0.605	OI				2.17
4.750	1.83	0.06	0.618	OI				2.21
4.833	1.83	0.06	0.630	OI				2.25
4.917	1.84	0.06	0.642	OI				2.30
5.000	1.85	0.06	0.654	OI				2.34
5.083	1.85	0.07	0.667	OI				2.39
5.167	1.86	0.07	0.679	OI				2.43
5.250	1.87	0.07	0.691	OI				2.47
5.333	1.88	0.07	0.704	OI				2.52
5.417	1.88	0.07	0.716	OI				2.56
5.500	1.89	0.07	0.729	OI				2.61
5.583	1.90	0.07	0.741	OI				2.65
5.667	1.90	0.07	0.754	OI				2.70
5.750	1.91	0.08	0.766	OI				2.74
5.833	1.92	0.08	0.779	OI				2.79
5.917	1.93	0.08	0.792	OI				2.83
6.000	1.94	0.08	0.805	OI				2.88
6.083	1.94	0.23	0.817	OI				2.92
6.167	1.95	0.48	0.828	OI				2.96
6.250	1.96	0.70	0.837	OI				2.99

6.333	1.97	1.02	0.845	OI				3.01
6.417	1.98	1.32	0.850	OI				3.03
6.500	1.99	1.53	0.854	OI				3.04
6.583	1.99	1.67	0.857	O				3.05
6.667	2.00	1.78	0.859	O				3.06
6.750	2.01	1.85	0.860	O				3.06
6.833	2.02	1.90	0.861	O				3.06
6.917	2.03	1.94	0.862	O				3.06
7.000	2.04	1.97	0.862	O				3.07
7.083	2.05	1.99	0.863	O				3.07
7.167	2.06	2.01	0.863	O				3.07
7.250	2.07	2.03	0.863	O				3.07
7.333	2.08	2.04	0.864	O				3.07
7.417	2.09	2.05	0.864	O				3.07
7.500	2.10	2.07	0.864	O				3.07
7.583	2.11	2.08	0.864	O				3.07
7.667	2.12	2.09	0.864	O				3.07
7.750	2.13	2.10	0.865	O				3.07
7.833	2.14	2.11	0.865	O				3.07
7.917	2.15	2.12	0.865	O				3.07
8.000	2.16	2.13	0.865	O				3.07
8.083	2.17	2.14	0.865	O				3.07
8.167	2.18	2.15	0.866	O				3.08
8.250	2.19	2.16	0.866	O				3.08
8.333	2.21	2.18	0.866	O				3.08
8.417	2.22	2.19	0.866	O				3.08
8.500	2.23	2.20	0.866	O				3.08
8.583	2.24	2.21	0.867	O				3.08
8.667	2.25	2.22	0.867	O				3.08
8.750	2.27	2.23	0.867	O				3.08
8.833	2.28	2.25	0.867	O				3.08
8.917	2.29	2.26	0.868	O				3.08
9.000	2.31	2.27	0.868	O				3.08
9.083	2.32	2.28	0.868	O				3.08
9.167	2.33	2.30	0.868	O				3.08
9.250	2.35	2.31	0.869	O				3.08
9.333	2.36	2.32	0.869	O				3.08
9.417	2.38	2.34	0.869	O				3.09
9.500	2.39	2.35	0.869	O				3.09
9.583	2.41	2.37	0.870	O				3.09
9.667	2.42	2.38	0.870	O				3.09
9.750	2.44	2.40	0.870	O				3.09
9.833	2.45	2.41	0.870	O				3.09
9.917	2.47	2.43	0.871	O				3.09
10.000	2.49	2.44	0.871	O				3.09
10.083	2.50	2.46	0.871	O				3.09
10.167	2.52	2.48	0.872	O				3.09
10.250	2.54	2.49	0.872	O				3.09
10.333	2.56	2.51	0.872	O				3.09
10.417	2.57	2.53	0.873	O				3.10
10.500	2.59	2.54	0.873	O				3.10
10.583	2.61	2.56	0.873	O				3.10
10.667	2.63	2.58	0.874	O				3.10
10.750	2.65	2.60	0.874	O				3.10
10.833	2.67	2.62	0.874	O				3.10
10.917	2.69	2.64	0.875	O				3.10
11.000	2.71	2.66	0.875	O				3.10
11.083	2.74	2.68	0.875	O				3.10
11.167	2.76	2.70	0.876	O				3.11
11.250	2.78	2.72	0.876	O				3.11
11.333	2.81	2.75	0.877	O				3.11
11.417	2.83	2.77	0.877	O				3.11
11.500	2.86	2.79	0.877	O				3.11
11.583	2.88	2.82	0.878	O				3.11
11.667	2.91	2.84	0.878	O				3.11
11.750	2.94	2.87	0.879	O				3.11
11.833	2.96	2.89	0.879	O				3.12
11.917	2.99	2.92	0.880	O				3.12
12.000	3.02	2.95	0.880	O				3.12
12.083	3.05	2.98	0.881	O				3.12
12.167	3.08	3.00	0.881	OI				3.12
12.250	3.11	3.03	0.882	OI				3.12
12.333	3.14	3.06	0.882	OI				3.12

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12.417    3.17    3.09      0.883  | O     |       |       |       |     3.13
12.500    3.21    3.12      0.883  | O     |       |       |       |     3.13
12.583    3.24    3.15      0.884  | O     |       |       |       |     3.13
12.667    3.28    3.19      0.885  | O     |       |       |       |     3.13
12.750    3.32    3.22      0.885  | O     |       |       |       |     3.13
12.833    3.36    3.26      0.886  | O     |       |       |       |     3.14
12.917    3.40    3.30      0.887  | O     |       |       |       |     3.14
13.000    3.45    3.34      0.887  | O     |       |       |       |     3.14
13.083    3.49    3.38      0.888  | O     |       |       |       |     3.14
13.167    3.54    3.42      0.889  | O     |       |       |       |     3.14
13.250    3.59    3.47      0.890  | O     |       |       |       |     3.15
13.333    3.64    3.52      0.891  | O     |       |       |       |     3.15
13.417    3.70    3.57      0.892  | O     |       |       |       |     3.15
13.500    3.76    3.62      0.893  | O     |       |       |       |     3.15
13.583    3.82    3.67      0.894  | O     |       |       |       |     3.16
13.667    3.88    3.73      0.895  | O     |       |       |       |     3.16
13.750    3.94    3.78      0.896  | O     |       |       |       |     3.16
13.833    4.01    3.84      0.897  | O     |       |       |       |     3.17
13.917    4.08    3.91      0.898  | O     |       |       |       |     3.17
14.000    4.16    3.98      0.899  | O     |       |       |       |     3.17
14.083    4.24    4.05      0.900  | O     |       |       |       |     3.18
14.167    4.33    4.12      0.902  | O     |       |       |       |     3.18
14.250    4.42    4.20      0.903  | O     |       |       |       |     3.19
14.333    4.52    4.29      0.905  | O     |       |       |       |     3.19
14.417    4.63    4.38      0.907  | OI    |       |       |       |     3.20
14.500    4.74    4.47      0.908  | OI    |       |       |       |     3.20
14.583    4.86    4.58      0.910  | OI    |       |       |       |     3.21
14.667    4.99    4.68      0.912  |  O    |       |       |       |     3.21
14.750    5.13    4.80      0.914  |  O    |       |       |       |     3.22
14.833    5.28    4.93      0.917  |  O    |       |       |       |     3.23
14.917    5.45    5.07      0.919  |  O    |       |       |       |     3.23
15.000    5.63    5.22      0.922  |  O    |       |       |       |     3.24
15.083    5.84    5.38      0.925  |  O    |       |       |       |     3.25
15.167    6.07    5.56      0.928  |  O    |       |       |       |     3.26
15.250    6.33    5.76      0.932  |  OI   |       |       |       |     3.27
15.333    6.62    5.99      0.936  |  OI   |       |       |       |     3.28
15.417    6.88    6.23      0.941  |   O   |       |       |       |     3.30
15.500    6.84    6.43      0.944  |   O   |       |       |       |     3.31
15.583    6.72    6.54      0.946  |   O   |       |       |       |     3.31
15.667    7.04    6.65      0.948  |   O   |       |       |       |     3.32
15.750    7.70    6.87      0.952  |   OI  |       |       |       |     3.33
15.833    8.70    7.29      0.960  |   OI  |       |       |       |     3.35
15.917   10.37    8.00      0.973  |    OI |       |       |       |     3.39
16.000   13.89    9.30      0.997  |     O |I      |       |       |     3.46
16.083   23.36   13.12      1.048  |       O     I|       |       |     3.61
16.167   43.95   22.14      1.159  |        |    O |       |   I   |     3.91
16.250   49.17   34.45      1.284  |        |      |    O  |       I     4.26
16.333   27.07   36.37      1.303  |        |      |I    O|       |     4.31
16.417   13.90   28.04      1.222  |        |I     | O     |       |     4.09
16.500    9.09   20.23      1.135  |    I   |   O  |       |       |     3.85
16.583    8.00   15.10      1.072  |    I   |O     |       |       |     3.67
16.667    6.75   11.71      1.031  |   I  O|      |       |       |     3.56
16.750    6.19    9.57      1.002  |   I O |      |       |       |     3.48
16.833    5.73    8.43      0.981  |  I O  |      |       |       |     3.42
16.917    5.36    7.52      0.964  |  IO   |      |       |       |     3.37
17.000    5.05    6.79      0.951  |  IO   |      |       |       |     3.33
17.083    4.79    6.20      0.940  |  IO   |      |       |       |     3.29
17.167    4.56    5.72      0.931  | IO    |      |       |       |     3.27
17.250    4.37    5.33      0.924  | IO    |      |       |       |     3.25
17.333    4.19    5.00      0.918  | IO    |      |       |       |     3.23
17.417    4.04    4.72      0.913  | IO    |      |       |       |     3.21
17.500    3.90    4.48      0.909  | O     |      |       |       |     3.20
17.583    3.78    4.28      0.905  | O     |      |       |       |     3.19
17.667    3.67    4.10      0.902  | O     |      |       |       |     3.18
17.750    3.56    3.95      0.899  | O     |      |       |       |     3.17
17.833    3.47    3.81      0.896  | O     |      |       |       |     3.17
17.917    3.38    3.69      0.894  | O     |      |       |       |     3.16
18.000    3.30    3.58      0.892  | O     |      |       |       |     3.15
18.083    3.22    3.48      0.890  | O     |      |       |       |     3.15
18.167    3.15    3.39      0.888  | O     |      |       |       |     3.14
18.250    3.09    3.30      0.887  | O     |      |       |       |     3.14
18.333    3.03    3.23      0.885  |IO     |      |       |       |     3.13
18.417    2.97    3.16      0.884  |IO     |      |       |       |     3.13
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18.500	2.92	3.09	0.883	IO				3.13
18.583	2.87	3.03	0.882	O				3.12
18.667	2.82	2.97	0.881	O				3.12
18.750	2.77	2.91	0.880	O				3.12
18.833	2.72	2.86	0.879	O				3.11
18.917	2.68	2.81	0.878	O				3.11
19.000	2.64	2.76	0.877	O				3.11
19.083	2.60	2.72	0.876	O				3.11
19.167	2.56	2.67	0.875	O				3.10
19.250	2.53	2.63	0.874	O				3.10
19.333	2.49	2.59	0.874	O				3.10
19.417	2.46	2.56	0.873	O				3.10
19.500	2.43	2.52	0.872	O				3.10
19.583	2.40	2.49	0.872	O				3.09
19.667	2.37	2.45	0.871	O				3.09
19.750	2.34	2.42	0.871	O				3.09
19.833	2.31	2.39	0.870	O				3.09
19.917	2.28	2.36	0.869	O				3.09
20.000	2.26	2.33	0.869	O				3.09
20.083	2.23	2.31	0.868	O				3.08
20.167	2.21	2.28	0.868	O				3.08
20.250	2.19	2.25	0.867	O				3.08
20.333	2.16	2.23	0.867	O				3.08
20.417	2.14	2.20	0.867	O				3.08
20.500	2.12	2.18	0.866	O				3.08
20.583	2.10	2.16	0.866	O				3.08
20.667	2.08	2.14	0.865	O				3.07
20.750	2.06	2.12	0.865	O				3.07
20.833	2.04	2.10	0.865	O				3.07
20.917	2.02	2.08	0.864	O				3.07
21.000	2.01	2.06	0.864	O				3.07
21.083	1.99	2.04	0.864	O				3.07
21.167	1.97	2.02	0.863	O				3.07
21.250	1.95	2.00	0.863	O				3.07
21.333	1.94	1.98	0.863	O				3.07
21.417	1.92	1.97	0.862	O				3.07
21.500	1.91	1.95	0.862	O				3.06
21.583	1.89	1.93	0.862	O				3.06
21.667	1.88	1.92	0.861	O				3.06
21.750	1.86	1.90	0.861	O				3.06
21.833	1.85	1.89	0.861	O				3.06
21.917	1.84	1.87	0.860	O				3.06
22.000	1.82	1.86	0.860	O				3.06
22.083	1.81	1.85	0.860	O				3.06
22.167	1.80	1.83	0.860	O				3.06
22.250	1.78	1.82	0.859	O				3.06
22.333	1.77	1.81	0.859	O				3.06
22.417	1.76	1.79	0.859	O				3.06
22.500	1.75	1.78	0.859	O				3.06
22.583	1.74	1.77	0.859	O				3.05
22.667	1.72	1.76	0.858	O				3.05
22.750	1.71	1.74	0.858	O				3.05
22.833	1.70	1.73	0.858	O				3.05
22.917	1.69	1.72	0.858	O				3.05
23.000	1.68	1.71	0.857	O				3.05
23.083	1.67	1.70	0.857	O				3.05
23.167	1.66	1.69	0.857	O				3.05
23.250	1.65	1.68	0.857	O				3.05
23.333	1.64	1.67	0.857	O				3.05
23.417	1.63	1.66	0.857	O				3.05
23.500	1.62	1.65	0.856	O				3.05
23.583	1.61	1.64	0.856	O				3.05
23.667	1.60	1.63	0.856	O				3.05
23.750	1.59	1.62	0.856	O				3.05
23.833	1.59	1.61	0.856	O				3.05
23.917	1.58	1.60	0.855	O				3.05
24.000	1.57	1.59	0.855	O				3.05
24.083	1.48	1.57	0.855	IO				3.04
24.167	1.01	1.47	0.853	O				3.04
24.250	0.38	1.22	0.849	O				3.03
24.333	0.11	0.92	0.843	O				3.01
24.417	0.03	0.71	0.838	O				2.99
24.500	0.01	0.61	0.833	O				2.98

24.583	0.00	0.52	0.830	O				2.97
24.667	0.00	0.45	0.826	O				2.95
24.750	0.00	0.38	0.823	O				2.94
24.833	0.00	0.33	0.821	O				2.94
24.917	0.00	0.28	0.819	O				2.93
25.000	0.00	0.24	0.817	O				2.92
25.083	0.00	0.20	0.815	O				2.92
25.167	0.00	0.17	0.814	O				2.91
25.250	0.00	0.15	0.813	O				2.91
25.333	0.00	0.13	0.812	O				2.91
25.417	0.00	0.11	0.811	O				2.90
25.500	0.00	0.09	0.811	O				2.90
25.583	0.00	0.08	0.810	O				2.90
25.667	0.00	0.08	0.809	O				2.90
25.750	0.00	0.08	0.809	O				2.90
25.833	0.00	0.08	0.808	O				2.89
25.917	0.00	0.08	0.808	O				2.89
26.000	0.00	0.08	0.807	O				2.89
26.083	0.00	0.08	0.807	O				2.89
26.167	0.00	0.08	0.806	O				2.89
26.250	0.00	0.08	0.806	O				2.88
26.333	0.00	0.08	0.805	O				2.88
26.417	0.00	0.08	0.805	O				2.88
26.500	0.00	0.08	0.804	O				2.88
26.583	0.00	0.08	0.803	O				2.88
26.667	0.00	0.08	0.803	O				2.87
26.750	0.00	0.08	0.802	O				2.87
26.833	0.00	0.08	0.802	O				2.87
26.917	0.00	0.08	0.801	O				2.87
27.000	0.00	0.08	0.801	O				2.87
27.083	0.00	0.08	0.800	O				2.86
27.167	0.00	0.08	0.800	O				2.86
27.250	0.00	0.08	0.799	O				2.86
27.333	0.00	0.08	0.799	O				2.86
27.417	0.00	0.08	0.798	O				2.86
27.500	0.00	0.08	0.797	O				2.85
27.583	0.00	0.08	0.797	O				2.85
27.667	0.00	0.08	0.796	O				2.85
27.750	0.00	0.08	0.796	O				2.85
27.833	0.00	0.08	0.795	O				2.85
27.917	0.00	0.08	0.795	O				2.85
28.000	0.00	0.08	0.794	O				2.84
28.083	0.00	0.08	0.794	O				2.84
28.167	0.00	0.08	0.793	O				2.84
28.250	0.00	0.08	0.793	O				2.84
28.333	0.00	0.08	0.792	O				2.84
28.417	0.00	0.08	0.791	O				2.83
28.500	0.00	0.08	0.791	O				2.83
28.583	0.00	0.08	0.790	O				2.83
28.667	0.00	0.08	0.790	O				2.83
28.750	0.00	0.08	0.789	O				2.83
28.833	0.00	0.08	0.789	O				2.82
28.917	0.00	0.08	0.788	O				2.82
29.000	0.00	0.08	0.788	O				2.82
29.083	0.00	0.08	0.787	O				2.82
29.167	0.00	0.08	0.787	O				2.82
29.250	0.00	0.08	0.786	O				2.81
29.333	0.00	0.08	0.786	O				2.81
29.417	0.00	0.08	0.785	O				2.81
29.500	0.00	0.08	0.785	O				2.81
29.583	0.00	0.08	0.784	O				2.81
29.667	0.00	0.08	0.783	O				2.80
29.750	0.00	0.08	0.783	O				2.80
29.833	0.00	0.08	0.782	O				2.80
29.917	0.00	0.08	0.782	O				2.80
30.000	0.00	0.08	0.781	O				2.80
30.083	0.00	0.08	0.781	O				2.80
30.167	0.00	0.08	0.780	O				2.79
30.250	0.00	0.08	0.780	O				2.79
30.333	0.00	0.08	0.779	O				2.79
30.417	0.00	0.08	0.779	O				2.79
30.500	0.00	0.08	0.778	O				2.79
30.583	0.00	0.08	0.778	O				2.78

30.667	0.00	0.08	0.777	O					2.78
30.750	0.00	0.08	0.777	O					2.78
30.833	0.00	0.08	0.776	O					2.78
30.917	0.00	0.08	0.775	O					2.78
31.000	0.00	0.08	0.775	O					2.77
31.083	0.00	0.08	0.774	O					2.77
31.167	0.00	0.08	0.774	O					2.77
31.250	0.00	0.08	0.773	O					2.77
31.333	0.00	0.08	0.773	O					2.77
31.417	0.00	0.08	0.772	O					2.77
31.500	0.00	0.08	0.772	O					2.76
31.583	0.00	0.08	0.771	O					2.76
31.667	0.00	0.08	0.771	O					2.76
31.750	0.00	0.08	0.770	O					2.76
31.833	0.00	0.08	0.770	O					2.76
31.917	0.00	0.08	0.769	O					2.75
32.000	0.00	0.08	0.769	O					2.75
32.083	0.00	0.08	0.768	O					2.75
32.167	0.00	0.08	0.768	O					2.75
32.250	0.00	0.08	0.767	O					2.75
32.333	0.00	0.08	0.767	O					2.74
32.417	0.00	0.08	0.766	O					2.74
32.500	0.00	0.08	0.766	O					2.74
32.583	0.00	0.08	0.765	O					2.74
32.667	0.00	0.08	0.764	O					2.74
32.750	0.00	0.08	0.764	O					2.74
32.833	0.00	0.08	0.763	O					2.73
32.917	0.00	0.08	0.763	O					2.73
33.000	0.00	0.08	0.762	O					2.73
33.083	0.00	0.08	0.762	O					2.73
33.167	0.00	0.08	0.761	O					2.73
33.250	0.00	0.08	0.761	O					2.72
33.333	0.00	0.08	0.760	O					2.72
33.417	0.00	0.08	0.760	O					2.72
33.500	0.00	0.07	0.759	O					2.72
33.583	0.00	0.07	0.759	O					2.72
33.667	0.00	0.07	0.758	O					2.71
33.750	0.00	0.07	0.758	O					2.71
33.833	0.00	0.07	0.757	O					2.71
33.917	0.00	0.07	0.757	O					2.71
34.000	0.00	0.07	0.756	O					2.71
34.083	0.00	0.07	0.756	O					2.71
34.167	0.00	0.07	0.755	O					2.70
34.250	0.00	0.07	0.755	O					2.70
34.333	0.00	0.07	0.754	O					2.70
34.417	0.00	0.07	0.754	O					2.70
34.500	0.00	0.07	0.753	O					2.70
34.583	0.00	0.07	0.753	O					2.69
34.667	0.00	0.07	0.752	O					2.69
34.750	0.00	0.07	0.752	O					2.69
34.833	0.00	0.07	0.751	O					2.69
34.917	0.00	0.07	0.751	O					2.69
35.000	0.00	0.07	0.750	O					2.69
35.083	0.00	0.07	0.750	O					2.68
35.167	0.00	0.07	0.749	O					2.68
35.250	0.00	0.07	0.749	O					2.68
35.333	0.00	0.07	0.748	O					2.68
35.417	0.00	0.07	0.748	O					2.68
35.500	0.00	0.07	0.747	O					2.67
35.583	0.00	0.07	0.747	O					2.67
35.667	0.00	0.07	0.746	O					2.67
35.750	0.00	0.07	0.745	O					2.67
35.833	0.00	0.07	0.745	O					2.67
35.917	0.00	0.07	0.744	O					2.67
36.000	0.00	0.07	0.744	O					2.66
36.083	0.00	0.07	0.743	O					2.66
36.167	0.00	0.07	0.743	O					2.66
36.250	0.00	0.07	0.742	O					2.66
36.333	0.00	0.07	0.742	O					2.66
36.417	0.00	0.07	0.741	O					2.65
36.500	0.00	0.07	0.741	O					2.65
36.583	0.00	0.07	0.740	O					2.65
36.667	0.00	0.07	0.740	O					2.65

36.750	0.00	0.07	0.739	O					2.65
36.833	0.00	0.07	0.739	O					2.65
36.917	0.00	0.07	0.738	O					2.64
37.000	0.00	0.07	0.738	O					2.64
37.083	0.00	0.07	0.737	O					2.64
37.167	0.00	0.07	0.737	O					2.64
37.250	0.00	0.07	0.736	O					2.64
37.333	0.00	0.07	0.736	O					2.63
37.417	0.00	0.07	0.735	O					2.63
37.500	0.00	0.07	0.735	O					2.63
37.583	0.00	0.07	0.734	O					2.63
37.667	0.00	0.07	0.734	O					2.63
37.750	0.00	0.07	0.733	O					2.63
37.833	0.00	0.07	0.733	O					2.62
37.917	0.00	0.07	0.732	O					2.62
38.000	0.00	0.07	0.732	O					2.62
38.083	0.00	0.07	0.731	O					2.62
38.167	0.00	0.07	0.731	O					2.62
38.250	0.00	0.07	0.730	O					2.62
38.333	0.00	0.07	0.730	O					2.61
38.417	0.00	0.07	0.729	O					2.61
38.500	0.00	0.07	0.729	O					2.61
38.583	0.00	0.07	0.728	O					2.61
38.667	0.00	0.07	0.728	O					2.61
38.750	0.00	0.07	0.727	O					2.60
38.833	0.00	0.07	0.727	O					2.60
38.917	0.00	0.07	0.726	O					2.60
39.000	0.00	0.07	0.726	O					2.60
39.083	0.00	0.07	0.725	O					2.60
39.167	0.00	0.07	0.725	O					2.60
39.250	0.00	0.07	0.724	O					2.59
39.333	0.00	0.07	0.724	O					2.59
39.417	0.00	0.07	0.724	O					2.59
39.500	0.00	0.07	0.723	O					2.59
39.583	0.00	0.07	0.723	O					2.59
39.667	0.00	0.07	0.722	O					2.59
39.750	0.00	0.07	0.722	O					2.58
39.833	0.00	0.07	0.721	O					2.58
39.917	0.00	0.07	0.721	O					2.58
40.000	0.00	0.07	0.720	O					2.58
40.083	0.00	0.07	0.720	O					2.58
40.167	0.00	0.07	0.719	O					2.57
40.250	0.00	0.07	0.719	O					2.57
40.333	0.00	0.07	0.718	O					2.57
40.417	0.00	0.07	0.718	O					2.57
40.500	0.00	0.07	0.717	O					2.57
40.583	0.00	0.07	0.717	O					2.57
40.667	0.00	0.07	0.716	O					2.56
40.750	0.00	0.07	0.716	O					2.56
40.833	0.00	0.07	0.715	O					2.56
40.917	0.00	0.07	0.715	O					2.56
41.000	0.00	0.07	0.714	O					2.56
41.083	0.00	0.07	0.714	O					2.56
41.167	0.00	0.07	0.713	O					2.55
41.250	0.00	0.07	0.713	O					2.55
41.333	0.00	0.07	0.712	O					2.55
41.417	0.00	0.07	0.712	O					2.55
41.500	0.00	0.07	0.711	O					2.55
41.583	0.00	0.07	0.711	O					2.54
41.667	0.00	0.07	0.710	O					2.54
41.750	0.00	0.07	0.710	O					2.54
41.833	0.00	0.07	0.709	O					2.54
41.917	0.00	0.07	0.709	O					2.54
42.000	0.00	0.07	0.708	O					2.54
42.083	0.00	0.07	0.708	O					2.53
42.167	0.00	0.07	0.707	O					2.53
42.250	0.00	0.07	0.707	O					2.53
42.333	0.00	0.07	0.706	O					2.53
42.417	0.00	0.07	0.706	O					2.53
42.500	0.00	0.07	0.706	O					2.53
42.583	0.00	0.07	0.705	O					2.52
42.667	0.00	0.07	0.705	O					2.52
42.750	0.00	0.07	0.704	O					2.52

42.833	0.00	0.07	0.704	O					2.52
42.917	0.00	0.07	0.703	O					2.52
43.000	0.00	0.07	0.703	O					2.52
43.083	0.00	0.07	0.702	O					2.51
43.167	0.00	0.07	0.702	O					2.51
43.250	0.00	0.07	0.701	O					2.51
43.333	0.00	0.07	0.701	O					2.51
43.417	0.00	0.07	0.700	O					2.51
43.500	0.00	0.07	0.700	O					2.51
43.583	0.00	0.07	0.699	O					2.50
43.667	0.00	0.07	0.699	O					2.50
43.750	0.00	0.07	0.698	O					2.50
43.833	0.00	0.07	0.698	O					2.50
43.917	0.00	0.07	0.697	O					2.50
44.000	0.00	0.07	0.697	O					2.50
44.083	0.00	0.07	0.696	O					2.49
44.167	0.00	0.07	0.696	O					2.49
44.250	0.00	0.07	0.696	O					2.49
44.333	0.00	0.07	0.695	O					2.49
44.417	0.00	0.07	0.695	O					2.49
44.500	0.00	0.07	0.694	O					2.49
44.583	0.00	0.07	0.694	O					2.48
44.667	0.00	0.07	0.693	O					2.48
44.750	0.00	0.07	0.693	O					2.48
44.833	0.00	0.07	0.692	O					2.48
44.917	0.00	0.07	0.692	O					2.48
45.000	0.00	0.07	0.691	O					2.47
45.083	0.00	0.07	0.691	O					2.47
45.167	0.00	0.07	0.690	O					2.47
45.250	0.00	0.07	0.690	O					2.47
45.333	0.00	0.07	0.689	O					2.47
45.417	0.00	0.07	0.689	O					2.47
45.500	0.00	0.07	0.688	O					2.46
45.583	0.00	0.07	0.688	O					2.46
45.667	0.00	0.07	0.688	O					2.46
45.750	0.00	0.07	0.687	O					2.46
45.833	0.00	0.07	0.687	O					2.46
45.917	0.00	0.07	0.686	O					2.46
46.000	0.00	0.07	0.686	O					2.45
46.083	0.00	0.07	0.685	O					2.45
46.167	0.00	0.07	0.685	O					2.45
46.250	0.00	0.07	0.684	O					2.45
46.333	0.00	0.07	0.684	O					2.45
46.417	0.00	0.07	0.683	O					2.45
46.500	0.00	0.07	0.683	O					2.44
46.583	0.00	0.07	0.682	O					2.44
46.667	0.00	0.07	0.682	O					2.44
46.750	0.00	0.07	0.681	O					2.44
46.833	0.00	0.07	0.681	O					2.44
46.917	0.00	0.07	0.681	O					2.44
47.000	0.00	0.07	0.680	O					2.43
47.083	0.00	0.07	0.680	O					2.43
47.167	0.00	0.07	0.679	O					2.43
47.250	0.00	0.07	0.679	O					2.43
47.333	0.00	0.07	0.678	O					2.43
47.417	0.00	0.07	0.678	O					2.43
47.500	0.00	0.07	0.677	O					2.42
47.583	0.00	0.07	0.677	O					2.42
47.667	0.00	0.07	0.676	O					2.42
47.750	0.00	0.07	0.676	O					2.42
47.833	0.00	0.07	0.675	O					2.42
47.917	0.00	0.07	0.675	O					2.42
48.000	0.00	0.07	0.675	O					2.42
48.083	0.00	0.07	0.674	O					2.41
48.167	0.00	0.07	0.674	O					2.41
48.250	0.00	0.07	0.673	O					2.41
48.333	0.00	0.07	0.673	O					2.41
48.417	0.00	0.07	0.672	O					2.41
48.500	0.00	0.07	0.672	O					2.41
48.583	0.00	0.07	0.671	O					2.40
48.667	0.00	0.07	0.671	O					2.40
48.750	0.00	0.07	0.670	O					2.40
48.833	0.00	0.07	0.670	O					2.40

48.917	0.00	0.07	0.670	0					2.40
49.000	0.00	0.07	0.669	0					2.40
49.083	0.00	0.07	0.669	0					2.39
49.167	0.00	0.07	0.668	0					2.39
49.250	0.00	0.07	0.668	0					2.39
49.333	0.00	0.07	0.667	0					2.39
49.417	0.00	0.07	0.667	0					2.39
49.500	0.00	0.07	0.666	0					2.39
49.583	0.00	0.07	0.666	0					2.38
49.667	0.00	0.07	0.665	0					2.38
49.750	0.00	0.07	0.665	0					2.38
49.833	0.00	0.07	0.665	0					2.38
49.917	0.00	0.07	0.664	0					2.38
50.000	0.00	0.07	0.664	0					2.38
50.083	0.00	0.07	0.663	0					2.37
50.167	0.00	0.07	0.663	0					2.37
50.250	0.00	0.07	0.662	0					2.37
50.333	0.00	0.07	0.662	0					2.37
50.417	0.00	0.07	0.661	0					2.37
50.500	0.00	0.07	0.661	0					2.37
50.583	0.00	0.07	0.660	0					2.36
50.667	0.00	0.07	0.660	0					2.36
50.750	0.00	0.07	0.660	0					2.36
50.833	0.00	0.07	0.659	0					2.36
50.917	0.00	0.07	0.659	0					2.36
51.000	0.00	0.07	0.658	0					2.36
51.083	0.00	0.06	0.658	0					2.36
51.167	0.00	0.06	0.657	0					2.35
51.250	0.00	0.06	0.657	0					2.35
51.333	0.00	0.06	0.656	0					2.35
51.417	0.00	0.06	0.656	0					2.35
51.500	0.00	0.06	0.656	0					2.35
51.583	0.00	0.06	0.655	0					2.35
51.667	0.00	0.06	0.655	0					2.34
51.750	0.00	0.06	0.654	0					2.34
51.833	0.00	0.06	0.654	0					2.34
51.917	0.00	0.06	0.653	0					2.34
52.000	0.00	0.06	0.653	0					2.34
52.083	0.00	0.06	0.652	0					2.34
52.167	0.00	0.06	0.652	0					2.33
52.250	0.00	0.06	0.652	0					2.33
52.333	0.00	0.06	0.651	0					2.33
52.417	0.00	0.06	0.651	0					2.33
52.500	0.00	0.06	0.650	0					2.33
52.583	0.00	0.06	0.650	0					2.33
52.667	0.00	0.06	0.649	0					2.32
52.750	0.00	0.06	0.649	0					2.32
52.833	0.00	0.06	0.648	0					2.32
52.917	0.00	0.06	0.648	0					2.32
53.000	0.00	0.06	0.648	0					2.32
53.083	0.00	0.06	0.647	0					2.32
53.167	0.00	0.06	0.647	0					2.32
53.250	0.00	0.06	0.646	0					2.31
53.333	0.00	0.06	0.646	0					2.31
53.417	0.00	0.06	0.645	0					2.31
53.500	0.00	0.06	0.645	0					2.31
53.583	0.00	0.06	0.645	0					2.31
53.667	0.00	0.06	0.644	0					2.31
53.750	0.00	0.06	0.644	0					2.30
53.833	0.00	0.06	0.643	0					2.30
53.917	0.00	0.06	0.643	0					2.30
54.000	0.00	0.06	0.642	0					2.30
54.083	0.00	0.06	0.642	0					2.30
54.167	0.00	0.06	0.641	0					2.30
54.250	0.00	0.06	0.641	0					2.29
54.333	0.00	0.06	0.641	0					2.29
54.417	0.00	0.06	0.640	0					2.29
54.500	0.00	0.06	0.640	0					2.29
54.583	0.00	0.06	0.639	0					2.29
54.667	0.00	0.06	0.639	0					2.29
54.750	0.00	0.06	0.638	0					2.29
54.833	0.00	0.06	0.638	0					2.28
54.917	0.00	0.06	0.638	0					2.28

55.000	0.00	0.06	0.637	O					2.28
55.083	0.00	0.06	0.637	O					2.28
55.167	0.00	0.06	0.636	O					2.28
55.250	0.00	0.06	0.636	O					2.28
55.333	0.00	0.06	0.635	O					2.27
55.417	0.00	0.06	0.635	O					2.27
55.500	0.00	0.06	0.634	O					2.27
55.583	0.00	0.06	0.634	O					2.27
55.667	0.00	0.06	0.634	O					2.27
55.750	0.00	0.06	0.633	O					2.27
55.833	0.00	0.06	0.633	O					2.27
55.917	0.00	0.06	0.632	O					2.26
56.000	0.00	0.06	0.632	O					2.26
56.083	0.00	0.06	0.631	O					2.26
56.167	0.00	0.06	0.631	O					2.26
56.250	0.00	0.06	0.631	O					2.26
56.333	0.00	0.06	0.630	O					2.26
56.417	0.00	0.06	0.630	O					2.25
56.500	0.00	0.06	0.629	O					2.25
56.583	0.00	0.06	0.629	O					2.25
56.667	0.00	0.06	0.628	O					2.25
56.750	0.00	0.06	0.628	O					2.25
56.833	0.00	0.06	0.628	O					2.25
56.917	0.00	0.06	0.627	O					2.25
57.000	0.00	0.06	0.627	O					2.24
57.083	0.00	0.06	0.626	O					2.24
57.167	0.00	0.06	0.626	O					2.24
57.250	0.00	0.06	0.625	O					2.24
57.333	0.00	0.06	0.625	O					2.24
57.417	0.00	0.06	0.625	O					2.24
57.500	0.00	0.06	0.624	O					2.23
57.583	0.00	0.06	0.624	O					2.23
57.667	0.00	0.06	0.623	O					2.23
57.750	0.00	0.06	0.623	O					2.23
57.833	0.00	0.06	0.623	O					2.23
57.917	0.00	0.06	0.622	O					2.23
58.000	0.00	0.06	0.622	O					2.23
58.083	0.00	0.06	0.621	O					2.22
58.167	0.00	0.06	0.621	O					2.22
58.250	0.00	0.06	0.620	O					2.22
58.333	0.00	0.06	0.620	O					2.22
58.417	0.00	0.06	0.620	O					2.22
58.500	0.00	0.06	0.619	O					2.22
58.583	0.00	0.06	0.619	O					2.22
58.667	0.00	0.06	0.618	O					2.21
58.750	0.00	0.06	0.618	O					2.21
58.833	0.00	0.06	0.617	O					2.21
58.917	0.00	0.06	0.617	O					2.21
59.000	0.00	0.06	0.617	O					2.21
59.083	0.00	0.06	0.616	O					2.21
59.167	0.00	0.06	0.616	O					2.20
59.250	0.00	0.06	0.615	O					2.20
59.333	0.00	0.06	0.615	O					2.20
59.417	0.00	0.06	0.615	O					2.20
59.500	0.00	0.06	0.614	O					2.20
59.583	0.00	0.06	0.614	O					2.20
59.667	0.00	0.06	0.613	O					2.20
59.750	0.00	0.06	0.613	O					2.19
59.833	0.00	0.06	0.612	O					2.19
59.917	0.00	0.06	0.612	O					2.19
60.000	0.00	0.06	0.612	O					2.19
60.083	0.00	0.06	0.611	O					2.19
60.167	0.00	0.06	0.611	O					2.19
60.250	0.00	0.06	0.610	O					2.19
60.333	0.00	0.06	0.610	O					2.18
60.417	0.00	0.06	0.610	O					2.18
60.500	0.00	0.06	0.609	O					2.18
60.583	0.00	0.06	0.609	O					2.18
60.667	0.00	0.06	0.608	O					2.18
60.750	0.00	0.06	0.608	O					2.18
60.833	0.00	0.06	0.607	O					2.17
60.917	0.00	0.06	0.607	O					2.17
61.000	0.00	0.06	0.607	O					2.17

61.083	0.00	0.06	0.606	O					2.17
61.167	0.00	0.06	0.606	O					2.17
61.250	0.00	0.06	0.605	O					2.17
61.333	0.00	0.06	0.605	O					2.17
61.417	0.00	0.06	0.605	O					2.16
61.500	0.00	0.06	0.604	O					2.16
61.583	0.00	0.06	0.604	O					2.16
61.667	0.00	0.06	0.603	O					2.16
61.750	0.00	0.06	0.603	O					2.16
61.833	0.00	0.06	0.603	O					2.16
61.917	0.00	0.06	0.602	O					2.16
62.000	0.00	0.06	0.602	O					2.15
62.083	0.00	0.06	0.601	O					2.15
62.167	0.00	0.06	0.601	O					2.15
62.250	0.00	0.06	0.600	O					2.15
62.333	0.00	0.06	0.600	O					2.15
62.417	0.00	0.06	0.600	O					2.15
62.500	0.00	0.06	0.599	O					2.15
62.583	0.00	0.06	0.599	O					2.14
62.667	0.00	0.06	0.598	O					2.14
62.750	0.00	0.06	0.598	O					2.14
62.833	0.00	0.06	0.598	O					2.14
62.917	0.00	0.06	0.597	O					2.14
63.000	0.00	0.06	0.597	O					2.14
63.083	0.00	0.06	0.596	O					2.14
63.167	0.00	0.06	0.596	O					2.13
63.250	0.00	0.06	0.596	O					2.13
63.333	0.00	0.06	0.595	O					2.13
63.417	0.00	0.06	0.595	O					2.13
63.500	0.00	0.06	0.594	O					2.13
63.583	0.00	0.06	0.594	O					2.13
63.667	0.00	0.06	0.594	O					2.13
63.750	0.00	0.06	0.593	O					2.12
63.833	0.00	0.06	0.593	O					2.12
63.917	0.00	0.06	0.592	O					2.12
64.000	0.00	0.06	0.592	O					2.12
64.083	0.00	0.06	0.592	O					2.12
64.167	0.00	0.06	0.591	O					2.12
64.250	0.00	0.06	0.591	O					2.12
64.333	0.00	0.06	0.590	O					2.11
64.417	0.00	0.06	0.590	O					2.11
64.500	0.00	0.06	0.590	O					2.11
64.583	0.00	0.06	0.589	O					2.11
64.667	0.00	0.06	0.589	O					2.11
64.750	0.00	0.06	0.588	O					2.11
64.833	0.00	0.06	0.588	O					2.11
64.917	0.00	0.06	0.588	O					2.10
65.000	0.00	0.06	0.587	O					2.10
65.083	0.00	0.06	0.587	O					2.10
65.167	0.00	0.06	0.586	O					2.10
65.250	0.00	0.06	0.586	O					2.10
65.333	0.00	0.06	0.586	O					2.10
65.417	0.00	0.06	0.585	O					2.10
65.500	0.00	0.06	0.585	O					2.09
65.583	0.00	0.06	0.584	O					2.09
65.667	0.00	0.06	0.584	O					2.09
65.750	0.00	0.06	0.584	O					2.09
65.833	0.00	0.06	0.583	O					2.09
65.917	0.00	0.06	0.583	O					2.09
66.000	0.00	0.06	0.582	O					2.09
66.083	0.00	0.06	0.582	O					2.08
66.167	0.00	0.06	0.582	O					2.08
66.250	0.00	0.06	0.581	O					2.08
66.333	0.00	0.06	0.581	O					2.08
66.417	0.00	0.06	0.580	O					2.08
66.500	0.00	0.06	0.580	O					2.08
66.583	0.00	0.06	0.580	O					2.08
66.667	0.00	0.06	0.579	O					2.07
66.750	0.00	0.06	0.579	O					2.07
66.833	0.00	0.06	0.578	O					2.07
66.917	0.00	0.06	0.578	O					2.07
67.000	0.00	0.06	0.578	O					2.07
67.083	0.00	0.06	0.577	O					2.07

67.167	0.00	0.06	0.577	O				2.07
67.250	0.00	0.06	0.576	O				2.06
67.333	0.00	0.06	0.576	O				2.06
67.417	0.00	0.06	0.576	O				2.06
67.500	0.00	0.06	0.575	O				2.06
67.583	0.00	0.06	0.575	O				2.06
67.667	0.00	0.06	0.575	O				2.06
67.750	0.00	0.06	0.574	O				2.06
67.833	0.00	0.06	0.574	O				2.05
67.917	0.00	0.06	0.573	O				2.05
68.000	0.00	0.06	0.573	O				2.05
68.083	0.00	0.06	0.573	O				2.05
68.167	0.00	0.06	0.572	O				2.05
68.250	0.00	0.06	0.572	O				2.05
68.333	0.00	0.06	0.571	O				2.05
68.417	0.00	0.06	0.571	O				2.04
68.500	0.00	0.06	0.571	O				2.04
68.583	0.00	0.06	0.570	O				2.04
68.667	0.00	0.06	0.570	O				2.04
68.750	0.00	0.06	0.569	O				2.04
68.833	0.00	0.06	0.569	O				2.04
68.917	0.00	0.06	0.569	O				2.04
69.000	0.00	0.06	0.568	O				2.03
69.083	0.00	0.06	0.568	O				2.03
69.167	0.00	0.06	0.568	O				2.03
69.250	0.00	0.06	0.567	O				2.03
69.333	0.00	0.06	0.567	O				2.03
69.417	0.00	0.06	0.566	O				2.03
69.500	0.00	0.06	0.566	O				2.03
69.583	0.00	0.06	0.566	O				2.02
69.667	0.00	0.06	0.565	O				2.02
69.750	0.00	0.06	0.565	O				2.02
69.833	0.00	0.06	0.564	O				2.02
69.917	0.00	0.06	0.564	O				2.02
70.000	0.00	0.06	0.564	O				2.02
70.083	0.00	0.06	0.563	O				2.02
70.167	0.00	0.06	0.563	O				2.02
70.250	0.00	0.06	0.563	O				2.01
70.333	0.00	0.06	0.562	O				2.01
70.417	0.00	0.06	0.562	O				2.01
70.500	0.00	0.06	0.561	O				2.01
70.583	0.00	0.06	0.561	O				2.01
70.667	0.00	0.06	0.561	O				2.01
70.750	0.00	0.06	0.560	O				2.01
70.833	0.00	0.06	0.560	O				2.00
70.917	0.00	0.06	0.559	O				2.00
71.000	0.00	0.06	0.559	O				2.00
71.083	0.00	0.06	0.559	O				2.00
71.167	0.00	0.06	0.558	O				2.00
71.250	0.00	0.06	0.558	O				2.00
71.333	0.00	0.06	0.558	O				2.00
71.417	0.00	0.06	0.557	O				1.99
71.500	0.00	0.05	0.557	O				1.99
71.583	0.00	0.05	0.556	O				1.99
71.667	0.00	0.05	0.556	O				1.99
71.750	0.00	0.05	0.556	O				1.99
71.833	0.00	0.05	0.555	O				1.99
71.917	0.00	0.05	0.555	O				1.99
72.000	0.00	0.05	0.555	O				1.99
72.083	0.00	0.05	0.554	O				1.98
72.167	0.00	0.05	0.554	O				1.98
72.250	0.00	0.05	0.553	O				1.98
72.333	0.00	0.05	0.553	O				1.98
72.417	0.00	0.05	0.553	O				1.98
72.500	0.00	0.05	0.552	O				1.98
72.583	0.00	0.05	0.552	O				1.98
72.667	0.00	0.05	0.552	O				1.97
72.750	0.00	0.05	0.551	O				1.97
72.833	0.00	0.05	0.551	O				1.97
72.917	0.00	0.05	0.550	O				1.97
73.000	0.00	0.05	0.550	O				1.97
73.083	0.00	0.05	0.550	O				1.97
73.167	0.00	0.05	0.549	O				1.97

73.250	0.00	0.05	0.549	O					1.97
73.333	0.00	0.05	0.549	O					1.96
73.417	0.00	0.05	0.548	O					1.96
73.500	0.00	0.05	0.548	O					1.96
73.583	0.00	0.05	0.547	O					1.96
73.667	0.00	0.05	0.547	O					1.96
73.750	0.00	0.05	0.547	O					1.96
73.833	0.00	0.05	0.546	O					1.96
73.917	0.00	0.05	0.546	O					1.95
74.000	0.00	0.05	0.546	O					1.95
74.083	0.00	0.05	0.545	O					1.95
74.167	0.00	0.05	0.545	O					1.95
74.250	0.00	0.05	0.544	O					1.95
74.333	0.00	0.05	0.544	O					1.95
74.417	0.00	0.05	0.544	O					1.95
74.500	0.00	0.05	0.543	O					1.95
74.583	0.00	0.05	0.543	O					1.94
74.667	0.00	0.05	0.543	O					1.94
74.750	0.00	0.05	0.542	O					1.94
74.833	0.00	0.05	0.542	O					1.94
74.917	0.00	0.05	0.542	O					1.94
75.000	0.00	0.05	0.541	O					1.94
75.083	0.00	0.05	0.541	O					1.94
75.167	0.00	0.05	0.540	O					1.93
75.250	0.00	0.05	0.540	O					1.93
75.333	0.00	0.05	0.540	O					1.93
75.417	0.00	0.05	0.539	O					1.93
75.500	0.00	0.05	0.539	O					1.93
75.583	0.00	0.05	0.539	O					1.93
75.667	0.00	0.05	0.538	O					1.93
75.750	0.00	0.05	0.538	O					1.93
75.833	0.00	0.05	0.537	O					1.92
75.917	0.00	0.05	0.537	O					1.92
76.000	0.00	0.05	0.537	O					1.92
76.083	0.00	0.05	0.536	O					1.92
76.167	0.00	0.05	0.536	O					1.92
76.250	0.00	0.05	0.536	O					1.92
76.333	0.00	0.05	0.535	O					1.92
76.417	0.00	0.05	0.535	O					1.92
76.500	0.00	0.05	0.535	O					1.91
76.583	0.00	0.05	0.534	O					1.91
76.667	0.00	0.05	0.534	O					1.91
76.750	0.00	0.05	0.533	O					1.91
76.833	0.00	0.05	0.533	O					1.91
76.917	0.00	0.05	0.533	O					1.91
77.000	0.00	0.05	0.532	O					1.91
77.083	0.00	0.05	0.532	O					1.90
77.167	0.00	0.05	0.532	O					1.90
77.250	0.00	0.05	0.531	O					1.90
77.333	0.00	0.05	0.531	O					1.90
77.417	0.00	0.05	0.531	O					1.90
77.500	0.00	0.05	0.530	O					1.90
77.583	0.00	0.05	0.530	O					1.90
77.667	0.00	0.05	0.529	O					1.90
77.750	0.00	0.05	0.529	O					1.89
77.833	0.00	0.05	0.529	O					1.89
77.917	0.00	0.05	0.528	O					1.89
78.000	0.00	0.05	0.528	O					1.89
78.083	0.00	0.05	0.528	O					1.89
78.167	0.00	0.05	0.527	O					1.89
78.250	0.00	0.05	0.527	O					1.89
78.333	0.00	0.05	0.527	O					1.89
78.417	0.00	0.05	0.526	O					1.88
78.500	0.00	0.05	0.526	O					1.88
78.583	0.00	0.05	0.526	O					1.88
78.667	0.00	0.05	0.525	O					1.88
78.750	0.00	0.05	0.525	O					1.88
78.833	0.00	0.05	0.524	O					1.88
78.917	0.00	0.05	0.524	O					1.88
79.000	0.00	0.05	0.524	O					1.88
79.083	0.00	0.05	0.523	O					1.87
79.167	0.00	0.05	0.523	O					1.87
79.250	0.00	0.05	0.523	O					1.87

79.333	0.00	0.05	0.522	O					1.87
79.417	0.00	0.05	0.522	O					1.87
79.500	0.00	0.05	0.522	O					1.87
79.583	0.00	0.05	0.521	O					1.87
79.667	0.00	0.05	0.521	O					1.86
79.750	0.00	0.05	0.521	O					1.86
79.833	0.00	0.05	0.520	O					1.86
79.917	0.00	0.05	0.520	O					1.86
80.000	0.00	0.05	0.519	O					1.86
80.083	0.00	0.05	0.519	O					1.86
80.167	0.00	0.05	0.519	O					1.86
80.250	0.00	0.05	0.518	O					1.86
80.333	0.00	0.05	0.518	O					1.85
80.417	0.00	0.05	0.518	O					1.85
80.500	0.00	0.05	0.517	O					1.85
80.583	0.00	0.05	0.517	O					1.85
80.667	0.00	0.05	0.517	O					1.85
80.750	0.00	0.05	0.516	O					1.85
80.833	0.00	0.05	0.516	O					1.85
80.917	0.00	0.05	0.516	O					1.85
81.000	0.00	0.05	0.515	O					1.84
81.083	0.00	0.05	0.515	O					1.84
81.167	0.00	0.05	0.515	O					1.84
81.250	0.00	0.05	0.514	O					1.84
81.333	0.00	0.05	0.514	O					1.84
81.417	0.00	0.05	0.514	O					1.84
81.500	0.00	0.05	0.513	O					1.84
81.583	0.00	0.05	0.513	O					1.84
81.667	0.00	0.05	0.512	O					1.83
81.750	0.00	0.05	0.512	O					1.83
81.833	0.00	0.05	0.512	O					1.83
81.917	0.00	0.05	0.511	O					1.83
82.000	0.00	0.05	0.511	O					1.83
82.083	0.00	0.05	0.511	O					1.83
82.167	0.00	0.05	0.510	O					1.83
82.250	0.00	0.05	0.510	O					1.83
82.333	0.00	0.05	0.510	O					1.82
82.417	0.00	0.05	0.509	O					1.82
82.500	0.00	0.05	0.509	O					1.82
82.583	0.00	0.05	0.509	O					1.82
82.667	0.00	0.05	0.508	O					1.82
82.750	0.00	0.05	0.508	O					1.82
82.833	0.00	0.05	0.508	O					1.82
82.917	0.00	0.05	0.507	O					1.82
83.000	0.00	0.05	0.507	O					1.81
83.083	0.00	0.05	0.507	O					1.81
83.167	0.00	0.05	0.506	O					1.81
83.250	0.00	0.05	0.506	O					1.81
83.333	0.00	0.05	0.506	O					1.81
83.417	0.00	0.05	0.505	O					1.81
83.500	0.00	0.05	0.505	O					1.81
83.583	0.00	0.05	0.505	O					1.81
83.667	0.00	0.05	0.504	O					1.81
83.750	0.00	0.05	0.504	O					1.80
83.833	0.00	0.05	0.503	O					1.80
83.917	0.00	0.05	0.503	O					1.80
84.000	0.00	0.05	0.503	O					1.80
84.083	0.00	0.05	0.502	O					1.80
84.167	0.00	0.05	0.502	O					1.80
84.250	0.00	0.05	0.502	O					1.80
84.333	0.00	0.05	0.501	O					1.80
84.417	0.00	0.05	0.501	O					1.79
84.500	0.00	0.05	0.501	O					1.79
84.583	0.00	0.05	0.500	O					1.79
84.667	0.00	0.05	0.500	O					1.79
84.750	0.00	0.05	0.500	O					1.79
84.833	0.00	0.05	0.499	O					1.79
84.917	0.00	0.05	0.499	O					1.79
85.000	0.00	0.05	0.499	O					1.79
85.083	0.00	0.05	0.498	O					1.78
85.167	0.00	0.05	0.498	O					1.78
85.250	0.00	0.05	0.498	O					1.78
85.333	0.00	0.05	0.497	O					1.78

85.417	0.00	0.05	0.497	O					1.78
85.500	0.00	0.05	0.497	O					1.78
85.583	0.00	0.05	0.496	O					1.78
85.667	0.00	0.05	0.496	O					1.78
85.750	0.00	0.05	0.496	O					1.77
85.833	0.00	0.05	0.495	O					1.77
85.917	0.00	0.05	0.495	O					1.77
86.000	0.00	0.05	0.495	O					1.77
86.083	0.00	0.05	0.494	O					1.77
86.167	0.00	0.05	0.494	O					1.77
86.250	0.00	0.05	0.494	O					1.77
86.333	0.00	0.05	0.493	O					1.77
86.417	0.00	0.05	0.493	O					1.77
86.500	0.00	0.05	0.493	O					1.76
86.583	0.00	0.05	0.492	O					1.76
86.667	0.00	0.05	0.492	O					1.76
86.750	0.00	0.05	0.492	O					1.76
86.833	0.00	0.05	0.491	O					1.76
86.917	0.00	0.05	0.491	O					1.76
87.000	0.00	0.05	0.491	O					1.76
87.083	0.00	0.05	0.490	O					1.76
87.167	0.00	0.05	0.490	O					1.75
87.250	0.00	0.05	0.490	O					1.75
87.333	0.00	0.05	0.489	O					1.75
87.417	0.00	0.05	0.489	O					1.75
87.500	0.00	0.05	0.489	O					1.75
87.583	0.00	0.05	0.488	O					1.75
87.667	0.00	0.05	0.488	O					1.75
87.750	0.00	0.05	0.488	O					1.75
87.833	0.00	0.05	0.487	O					1.74
87.917	0.00	0.05	0.487	O					1.74
88.000	0.00	0.05	0.487	O					1.74
88.083	0.00	0.05	0.486	O					1.74
88.167	0.00	0.05	0.486	O					1.74
88.250	0.00	0.05	0.486	O					1.74
88.333	0.00	0.05	0.485	O					1.74
88.417	0.00	0.05	0.485	O					1.74
88.500	0.00	0.05	0.485	O					1.74
88.583	0.00	0.05	0.484	O					1.73
88.667	0.00	0.05	0.484	O					1.73
88.750	0.00	0.05	0.484	O					1.73
88.833	0.00	0.05	0.483	O					1.73
88.917	0.00	0.05	0.483	O					1.73
89.000	0.00	0.05	0.483	O					1.73
89.083	0.00	0.05	0.482	O					1.73
89.167	0.00	0.05	0.482	O					1.73
89.250	0.00	0.05	0.482	O					1.72
89.333	0.00	0.05	0.481	O					1.72
89.417	0.00	0.05	0.481	O					1.72
89.500	0.00	0.05	0.481	O					1.72
89.583	0.00	0.05	0.480	O					1.72
89.667	0.00	0.05	0.480	O					1.72
89.750	0.00	0.05	0.480	O					1.72
89.833	0.00	0.05	0.479	O					1.72
89.917	0.00	0.05	0.479	O					1.72
90.000	0.00	0.05	0.479	O					1.71
90.083	0.00	0.05	0.478	O					1.71
90.167	0.00	0.05	0.478	O					1.71
90.250	0.00	0.05	0.478	O					1.71
90.333	0.00	0.05	0.477	O					1.71
90.417	0.00	0.05	0.477	O					1.71
90.500	0.00	0.05	0.477	O					1.71
90.583	0.00	0.05	0.477	O					1.71
90.667	0.00	0.05	0.476	O					1.70
90.750	0.00	0.05	0.476	O					1.70
90.833	0.00	0.05	0.476	O					1.70
90.917	0.00	0.05	0.475	O					1.70
91.000	0.00	0.05	0.475	O					1.70
91.083	0.00	0.05	0.475	O					1.70
91.167	0.00	0.05	0.474	O					1.70
91.250	0.00	0.05	0.474	O					1.70
91.333	0.00	0.05	0.474	O					1.70
91.417	0.00	0.05	0.473	O					1.69

91.500	0.00	0.05	0.473	O				1.69
91.583	0.00	0.05	0.473	O				1.69
91.667	0.00	0.05	0.472	O				1.69
91.750	0.00	0.05	0.472	O				1.69
91.833	0.00	0.05	0.472	O				1.69
91.917	0.00	0.05	0.471	O				1.69
92.000	0.00	0.05	0.471	O				1.69
92.083	0.00	0.05	0.471	O				1.69
92.167	0.00	0.05	0.470	O				1.68
92.250	0.00	0.05	0.470	O				1.68
92.333	0.00	0.05	0.470	O				1.68
92.417	0.00	0.05	0.469	O				1.68
92.500	0.00	0.05	0.469	O				1.68
92.583	0.00	0.05	0.469	O				1.68
92.667	0.00	0.05	0.468	O				1.68
92.750	0.00	0.05	0.468	O				1.68
92.833	0.00	0.05	0.468	O				1.67
92.917	0.00	0.05	0.468	O				1.67
93.000	0.00	0.05	0.467	O				1.67
93.083	0.00	0.05	0.467	O				1.67
93.167	0.00	0.05	0.467	O				1.67
93.250	0.00	0.05	0.466	O				1.67
93.333	0.00	0.05	0.466	O				1.67
93.417	0.00	0.05	0.466	O				1.67
93.500	0.00	0.05	0.465	O				1.67
93.583	0.00	0.05	0.465	O				1.66
93.667	0.00	0.05	0.465	O				1.66
93.750	0.00	0.05	0.464	O				1.66
93.833	0.00	0.05	0.464	O				1.66
93.917	0.00	0.05	0.464	O				1.66
94.000	0.00	0.05	0.463	O				1.66
94.083	0.00	0.05	0.463	O				1.66
94.167	0.00	0.05	0.463	O				1.66
94.250	0.00	0.05	0.462	O				1.66
94.333	0.00	0.05	0.462	O				1.65
94.417	0.00	0.05	0.462	O				1.65
94.500	0.00	0.05	0.462	O				1.65
94.583	0.00	0.05	0.461	O				1.65
94.667	0.00	0.05	0.461	O				1.65
94.750	0.00	0.05	0.461	O				1.65
94.833	0.00	0.05	0.460	O				1.65
94.917	0.00	0.05	0.460	O				1.65
95.000	0.00	0.05	0.460	O				1.65
95.083	0.00	0.05	0.459	O				1.64
95.167	0.00	0.05	0.459	O				1.64
95.250	0.00	0.05	0.459	O				1.64
95.333	0.00	0.05	0.458	O				1.64
95.417	0.00	0.05	0.458	O				1.64
95.500	0.00	0.05	0.458	O				1.64
95.583	0.00	0.05	0.457	O				1.64
95.667	0.00	0.05	0.457	O				1.64
95.750	0.00	0.05	0.457	O				1.64
95.833	0.00	0.05	0.457	O				1.63
95.917	0.00	0.05	0.456	O				1.63
96.000	0.00	0.05	0.456	O				1.63
96.083	0.00	0.04	0.456	O				1.63
96.167	0.00	0.04	0.455	O				1.63
96.250	0.00	0.04	0.455	O				1.63
96.333	0.00	0.04	0.455	O				1.63
96.417	0.00	0.04	0.454	O				1.63
96.500	0.00	0.04	0.454	O				1.63
96.583	0.00	0.04	0.454	O				1.62
96.667	0.00	0.04	0.453	O				1.62
96.750	0.00	0.04	0.453	O				1.62
96.833	0.00	0.04	0.453	O				1.62
96.917	0.00	0.04	0.452	O				1.62
97.000	0.00	0.04	0.452	O				1.62
97.083	0.00	0.04	0.452	O				1.62
97.167	0.00	0.04	0.452	O				1.62
97.250	0.00	0.04	0.451	O				1.62
97.333	0.00	0.04	0.451	O				1.61
97.417	0.00	0.04	0.451	O				1.61
97.500	0.00	0.04	0.450	O				1.61

97.583	0.00	0.04	0.450	O					1.61
97.667	0.00	0.04	0.450	O					1.61
97.750	0.00	0.04	0.449	O					1.61
97.833	0.00	0.04	0.449	O					1.61
97.917	0.00	0.04	0.449	O					1.61
98.000	0.00	0.04	0.449	O					1.61
98.083	0.00	0.04	0.448	O					1.60
98.167	0.00	0.04	0.448	O					1.60
98.250	0.00	0.04	0.448	O					1.60
98.333	0.00	0.04	0.447	O					1.60
98.417	0.00	0.04	0.447	O					1.60
98.500	0.00	0.04	0.447	O					1.60
98.583	0.00	0.04	0.446	O					1.60
98.667	0.00	0.04	0.446	O					1.60
98.750	0.00	0.04	0.446	O					1.60
98.833	0.00	0.04	0.445	O					1.59
98.917	0.00	0.04	0.445	O					1.59
99.000	0.00	0.04	0.445	O					1.59
99.083	0.00	0.04	0.445	O					1.59
99.167	0.00	0.04	0.444	O					1.59
99.250	0.00	0.04	0.444	O					1.59
99.333	0.00	0.04	0.444	O					1.59
99.417	0.00	0.04	0.443	O					1.59
99.500	0.00	0.04	0.443	O					1.59
99.583	0.00	0.04	0.443	O					1.59
99.667	0.00	0.04	0.442	O					1.58
99.750	0.00	0.04	0.442	O					1.58
99.833	0.00	0.04	0.442	O					1.58
99.917	0.00	0.04	0.442	O					1.58
100.000	0.00	0.04	0.441	O					1.58
100.083	0.00	0.04	0.441	O					1.58
100.167	0.00	0.04	0.441	O					1.58
100.250	0.00	0.04	0.440	O					1.58
100.333	0.00	0.04	0.440	O					1.58
100.417	0.00	0.04	0.440	O					1.57
100.500	0.00	0.04	0.439	O					1.57
100.583	0.00	0.04	0.439	O					1.57
100.667	0.00	0.04	0.439	O					1.57
100.750	0.00	0.04	0.439	O					1.57
100.833	0.00	0.04	0.438	O					1.57
100.917	0.00	0.04	0.438	O					1.57
101.000	0.00	0.04	0.438	O					1.57
101.083	0.00	0.04	0.437	O					1.57
101.167	0.00	0.04	0.437	O					1.56
101.250	0.00	0.04	0.437	O					1.56
101.333	0.00	0.04	0.436	O					1.56
101.417	0.00	0.04	0.436	O					1.56
101.500	0.00	0.04	0.436	O					1.56
101.583	0.00	0.04	0.436	O					1.56
101.667	0.00	0.04	0.435	O					1.56
101.750	0.00	0.04	0.435	O					1.56
101.833	0.00	0.04	0.435	O					1.56
101.917	0.00	0.04	0.434	O					1.56
102.000	0.00	0.04	0.434	O					1.55
102.083	0.00	0.04	0.434	O					1.55
102.167	0.00	0.04	0.434	O					1.55
102.250	0.00	0.04	0.433	O					1.55
102.333	0.00	0.04	0.433	O					1.55
102.417	0.00	0.04	0.433	O					1.55
102.500	0.00	0.04	0.432	O					1.55
102.583	0.00	0.04	0.432	O					1.55
102.667	0.00	0.04	0.432	O					1.55
102.750	0.00	0.04	0.431	O					1.54
102.833	0.00	0.04	0.431	O					1.54
102.917	0.00	0.04	0.431	O					1.54
103.000	0.00	0.04	0.431	O					1.54
103.083	0.00	0.04	0.430	O					1.54
103.167	0.00	0.04	0.430	O					1.54
103.250	0.00	0.04	0.430	O					1.54
103.333	0.00	0.04	0.429	O					1.54
103.417	0.00	0.04	0.429	O					1.54
103.500	0.00	0.04	0.429	O					1.54
103.583	0.00	0.04	0.429	O					1.53

103.667	0.00	0.04	0.428	O	|	|	|	|	1.53
103.750	0.00	0.04	0.428	O	|	|	|	|	1.53
103.833	0.00	0.04	0.428	O	|	|	|	|	1.53
103.917	0.00	0.04	0.427	O	|	|	|	|	1.53
104.000	0.00	0.04	0.427	O	|	|	|	|	1.53
104.083	0.00	0.04	0.427	O	|	|	|	|	1.53
104.167	0.00	0.04	0.426	O	|	|	|	|	1.53
104.250	0.00	0.04	0.426	O	|	|	|	|	1.53
104.333	0.00	0.04	0.426	O	|	|	|	|	1.52
104.417	0.00	0.04	0.426	O	|	|	|	|	1.52
104.500	0.00	0.04	0.425	O	|	|	|	|	1.52
104.583	0.00	0.04	0.425	O	|	|	|	|	1.52
104.667	0.00	0.04	0.425	O	|	|	|	|	1.52
104.750	0.00	0.04	0.424	O	|	|	|	|	1.52
104.833	0.00	0.04	0.424	O	|	|	|	|	1.52
104.917	0.00	0.04	0.424	O	|	|	|	|	1.52
105.000	0.00	0.04	0.424	O	|	|	|	|	1.52
105.083	0.00	0.04	0.423	O	|	|	|	|	1.52
105.167	0.00	0.04	0.423	O	|	|	|	|	1.51
105.250	0.00	0.04	0.423	O	|	|	|	|	1.51
105.333	0.00	0.04	0.422	O	|	|	|	|	1.51
105.417	0.00	0.04	0.422	O	|	|	|	|	1.51
105.500	0.00	0.04	0.422	O	|	|	|	|	1.51
105.583	0.00	0.04	0.422	O	|	|	|	|	1.51
105.667	0.00	0.04	0.421	O	|	|	|	|	1.51
105.750	0.00	0.04	0.421	O	|	|	|	|	1.51
105.833	0.00	0.04	0.421	O	|	|	|	|	1.51
105.917	0.00	0.04	0.420	O	|	|	|	|	1.51
106.000	0.00	0.04	0.420	O	|	|	|	|	1.50
106.083	0.00	0.04	0.420	O	|	|	|	|	1.50
106.167	0.00	0.04	0.420	O	|	|	|	|	1.50
106.250	0.00	0.04	0.419	O	|	|	|	|	1.50
106.333	0.00	0.04	0.419	O	|	|	|	|	1.50
106.417	0.00	0.04	0.419	O	|	|	|	|	1.50
106.500	0.00	0.04	0.418	O	|	|	|	|	1.50
106.583	0.00	0.04	0.418	O	|	|	|	|	1.50
106.667	0.00	0.04	0.418	O	|	|	|	|	1.50
106.750	0.00	0.04	0.418	O	|	|	|	|	1.50
106.833	0.00	0.04	0.417	O	|	|	|	|	1.49
106.917	0.00	0.04	0.417	O	|	|	|	|	1.49
107.000	0.00	0.04	0.417	O	|	|	|	|	1.49
107.083	0.00	0.04	0.416	O	|	|	|	|	1.49
107.167	0.00	0.04	0.416	O	|	|	|	|	1.49
107.250	0.00	0.04	0.416	O	|	|	|	|	1.49
107.333	0.00	0.04	0.416	O	|	|	|	|	1.49
107.417	0.00	0.04	0.415	O	|	|	|	|	1.49
107.500	0.00	0.04	0.415	O	|	|	|	|	1.49
107.583	0.00	0.04	0.415	O	|	|	|	|	1.48
107.667	0.00	0.04	0.414	O	|	|	|	|	1.48
107.750	0.00	0.04	0.414	O	|	|	|	|	1.48
107.833	0.00	0.04	0.414	O	|	|	|	|	1.48
107.917	0.00	0.04	0.414	O	|	|	|	|	1.48
108.000	0.00	0.04	0.413	O	|	|	|	|	1.48
108.083	0.00	0.04	0.413	O	|	|	|	|	1.48
108.167	0.00	0.04	0.413	O	|	|	|	|	1.48
108.250	0.00	0.04	0.413	O	|	|	|	|	1.48
108.333	0.00	0.04	0.412	O	|	|	|	|	1.48
108.417	0.00	0.04	0.412	O	|	|	|	|	1.47
108.500	0.00	0.04	0.412	O	|	|	|	|	1.47
108.583	0.00	0.04	0.411	O	|	|	|	|	1.47
108.667	0.00	0.04	0.411	O	|	|	|	|	1.47
108.750	0.00	0.04	0.411	O	|	|	|	|	1.47
108.833	0.00	0.04	0.411	O	|	|	|	|	1.47
108.917	0.00	0.04	0.410	O	|	|	|	|	1.47
109.000	0.00	0.04	0.410	O	|	|	|	|	1.47
109.083	0.00	0.04	0.410	O	|	|	|	|	1.47
109.167	0.00	0.04	0.409	O	|	|	|	|	1.47
109.250	0.00	0.04	0.409	O	|	|	|	|	1.46
109.333	0.00	0.04	0.409	O	|	|	|	|	1.46
109.417	0.00	0.04	0.409	O	|	|	|	|	1.46
109.500	0.00	0.04	0.408	O	|	|	|	|	1.46
109.583	0.00	0.04	0.408	O	|	|	|	|	1.46
109.667	0.00	0.04	0.408	O	|	|	|	|	1.46

109.750	0.00	0.04	0.407	O	|	|	|	|	1.46
109.833	0.00	0.04	0.407	O	|	|	|	|	1.46
109.917	0.00	0.04	0.407	O	|	|	|	|	1.46
110.000	0.00	0.04	0.407	O	|	|	|	|	1.46
110.083	0.00	0.04	0.406	O	|	|	|	|	1.45
110.167	0.00	0.04	0.406	O	|	|	|	|	1.45
110.250	0.00	0.04	0.406	O	|	|	|	|	1.45
110.333	0.00	0.04	0.406	O	|	|	|	|	1.45
110.417	0.00	0.04	0.405	O	|	|	|	|	1.45
110.500	0.00	0.04	0.405	O	|	|	|	|	1.45
110.583	0.00	0.04	0.405	O	|	|	|	|	1.45
110.667	0.00	0.04	0.404	O	|	|	|	|	1.45
110.750	0.00	0.04	0.404	O	|	|	|	|	1.45
110.833	0.00	0.04	0.404	O	|	|	|	|	1.45
110.917	0.00	0.04	0.404	O	|	|	|	|	1.45
111.000	0.00	0.04	0.403	O	|	|	|	|	1.44
111.083	0.00	0.04	0.403	O	|	|	|	|	1.44
111.167	0.00	0.04	0.403	O	|	|	|	|	1.44
111.250	0.00	0.04	0.403	O	|	|	|	|	1.44
111.333	0.00	0.04	0.402	O	|	|	|	|	1.44
111.417	0.00	0.04	0.402	O	|	|	|	|	1.44
111.500	0.00	0.04	0.402	O	|	|	|	|	1.44
111.583	0.00	0.04	0.401	O	|	|	|	|	1.44
111.667	0.00	0.04	0.401	O	|	|	|	|	1.44
111.750	0.00	0.04	0.401	O	|	|	|	|	1.44
111.833	0.00	0.04	0.401	O	|	|	|	|	1.43
111.917	0.00	0.04	0.400	O	|	|	|	|	1.43
112.000	0.00	0.04	0.400	O	|	|	|	|	1.43
112.083	0.00	0.04	0.400	O	|	|	|	|	1.43
112.167	0.00	0.04	0.400	O	|	|	|	|	1.43
112.250	0.00	0.04	0.399	O	|	|	|	|	1.43
112.333	0.00	0.04	0.399	O	|	|	|	|	1.43
112.417	0.00	0.04	0.399	O	|	|	|	|	1.43
112.500	0.00	0.04	0.398	O	|	|	|	|	1.43
112.583	0.00	0.04	0.398	O	|	|	|	|	1.43
112.667	0.00	0.04	0.398	O	|	|	|	|	1.42
112.750	0.00	0.04	0.398	O	|	|	|	|	1.42
112.833	0.00	0.04	0.397	O	|	|	|	|	1.42
112.917	0.00	0.04	0.397	O	|	|	|	|	1.42
113.000	0.00	0.04	0.397	O	|	|	|	|	1.42
113.083	0.00	0.04	0.397	O	|	|	|	|	1.42
113.167	0.00	0.04	0.396	O	|	|	|	|	1.42
113.250	0.00	0.04	0.396	O	|	|	|	|	1.42
113.333	0.00	0.04	0.396	O	|	|	|	|	1.42
113.417	0.00	0.04	0.395	O	|	|	|	|	1.42
113.500	0.00	0.04	0.395	O	|	|	|	|	1.41
113.583	0.00	0.04	0.395	O	|	|	|	|	1.41
113.667	0.00	0.04	0.395	O	|	|	|	|	1.41
113.750	0.00	0.04	0.394	O	|	|	|	|	1.41
113.833	0.00	0.04	0.394	O	|	|	|	|	1.41
113.917	0.00	0.04	0.394	O	|	|	|	|	1.41
114.000	0.00	0.04	0.394	O	|	|	|	|	1.41
114.083	0.00	0.04	0.393	O	|	|	|	|	1.41
114.167	0.00	0.04	0.393	O	|	|	|	|	1.41
114.250	0.00	0.04	0.393	O	|	|	|	|	1.41
114.333	0.00	0.04	0.393	O	|	|	|	|	1.41
114.417	0.00	0.04	0.392	O	|	|	|	|	1.40
114.500	0.00	0.04	0.392	O	|	|	|	|	1.40
114.583	0.00	0.04	0.392	O	|	|	|	|	1.40
114.667	0.00	0.04	0.391	O	|	|	|	|	1.40
114.750	0.00	0.04	0.391	O	|	|	|	|	1.40
114.833	0.00	0.04	0.391	O	|	|	|	|	1.40
114.917	0.00	0.04	0.391	O	|	|	|	|	1.40
115.000	0.00	0.04	0.390	O	|	|	|	|	1.40
115.083	0.00	0.04	0.390	O	|	|	|	|	1.40
115.167	0.00	0.04	0.390	O	|	|	|	|	1.40
115.250	0.00	0.04	0.390	O	|	|	|	|	1.39
115.333	0.00	0.04	0.389	O	|	|	|	|	1.39
115.417	0.00	0.04	0.389	O	|	|	|	|	1.39
115.500	0.00	0.04	0.389	O	|	|	|	|	1.39
115.583	0.00	0.04	0.389	O	|	|	|	|	1.39
115.667	0.00	0.04	0.388	O	|	|	|	|	1.39
115.750	0.00	0.04	0.388	O	|	|	|	|	1.39

115.833	0.00	0.04	0.388	O					1.39
115.917	0.00	0.04	0.387	O					1.39
116.000	0.00	0.04	0.387	O					1.39
116.083	0.00	0.04	0.387	O					1.39
116.167	0.00	0.04	0.387	O					1.38
116.250	0.00	0.04	0.386	O					1.38
116.333	0.00	0.04	0.386	O					1.38
116.417	0.00	0.04	0.386	O					1.38
116.500	0.00	0.04	0.386	O					1.38
116.583	0.00	0.04	0.385	O					1.38
116.667	0.00	0.04	0.385	O					1.38
116.750	0.00	0.04	0.385	O					1.38
116.833	0.00	0.04	0.385	O					1.38
116.917	0.00	0.04	0.384	O					1.38
117.000	0.00	0.04	0.384	O					1.38
117.083	0.00	0.04	0.384	O					1.37
117.167	0.00	0.04	0.384	O					1.37
117.250	0.00	0.04	0.383	O					1.37
117.333	0.00	0.04	0.383	O					1.37
117.417	0.00	0.04	0.383	O					1.37
117.500	0.00	0.04	0.383	O					1.37
117.583	0.00	0.04	0.382	O					1.37
117.667	0.00	0.04	0.382	O					1.37
117.750	0.00	0.04	0.382	O					1.37
117.833	0.00	0.04	0.381	O					1.37
117.917	0.00	0.04	0.381	O					1.36
118.000	0.00	0.04	0.381	O					1.36
118.083	0.00	0.04	0.381	O					1.36
118.167	0.00	0.04	0.380	O					1.36
118.250	0.00	0.04	0.380	O					1.36
118.333	0.00	0.04	0.380	O					1.36
118.417	0.00	0.04	0.380	O					1.36
118.500	0.00	0.04	0.379	O					1.36
118.583	0.00	0.04	0.379	O					1.36
118.667	0.00	0.04	0.379	O					1.36
118.750	0.00	0.04	0.379	O					1.36
118.833	0.00	0.04	0.378	O					1.35
118.917	0.00	0.04	0.378	O					1.35
119.000	0.00	0.04	0.378	O					1.35
119.083	0.00	0.04	0.378	O					1.35
119.167	0.00	0.04	0.377	O					1.35
119.250	0.00	0.04	0.377	O					1.35
119.333	0.00	0.04	0.377	O					1.35
119.417	0.00	0.04	0.377	O					1.35
119.500	0.00	0.04	0.376	O					1.35
119.583	0.00	0.04	0.376	O					1.35
119.667	0.00	0.04	0.376	O					1.35
119.750	0.00	0.04	0.376	O					1.34
119.833	0.00	0.04	0.375	O					1.34
119.917	0.00	0.04	0.375	O					1.34
120.000	0.00	0.04	0.375	O					1.34
120.083	0.00	0.04	0.375	O					1.34
120.167	0.00	0.04	0.374	O					1.34
120.250	0.00	0.04	0.374	O					1.34
120.333	0.00	0.04	0.374	O					1.34
120.417	0.00	0.04	0.374	O					1.34
120.500	0.00	0.04	0.373	O					1.34
120.583	0.00	0.04	0.373	O					1.34
120.667	0.00	0.04	0.373	O					1.33
120.750	0.00	0.04	0.372	O					1.33
120.833	0.00	0.04	0.372	O					1.33
120.917	0.00	0.04	0.372	O					1.33
121.000	0.00	0.04	0.372	O					1.33
121.083	0.00	0.04	0.371	O					1.33
121.167	0.00	0.04	0.371	O					1.33
121.250	0.00	0.04	0.371	O					1.33
121.333	0.00	0.04	0.371	O					1.33
121.417	0.00	0.04	0.370	O					1.33
121.500	0.00	0.04	0.370	O					1.33
121.583	0.00	0.04	0.370	O					1.32
121.667	0.00	0.04	0.370	O					1.32
121.750	0.00	0.04	0.369	O					1.32
121.833	0.00	0.04	0.369	O					1.32

121.917	0.00	0.04	0.369	O					1.32
122.000	0.00	0.04	0.369	O					1.32
122.083	0.00	0.04	0.368	O					1.32
122.167	0.00	0.04	0.368	O					1.32
122.250	0.00	0.04	0.368	O					1.32
122.333	0.00	0.04	0.368	O					1.32
122.417	0.00	0.04	0.367	O					1.32
122.500	0.00	0.04	0.367	O					1.31
122.583	0.00	0.04	0.367	O					1.31
122.667	0.00	0.04	0.367	O					1.31
122.750	0.00	0.04	0.366	O					1.31
122.833	0.00	0.04	0.366	O					1.31
122.917	0.00	0.04	0.366	O					1.31
123.000	0.00	0.04	0.366	O					1.31
123.083	0.00	0.04	0.365	O					1.31
123.167	0.00	0.04	0.365	O					1.31
123.250	0.00	0.04	0.365	O					1.31
123.333	0.00	0.04	0.365	O					1.31
123.417	0.00	0.04	0.364	O					1.30
123.500	0.00	0.04	0.364	O					1.30
123.583	0.00	0.04	0.364	O					1.30
123.667	0.00	0.04	0.364	O					1.30
123.750	0.00	0.04	0.363	O					1.30
123.833	0.00	0.04	0.363	O					1.30
123.917	0.00	0.04	0.363	O					1.30
124.000	0.00	0.04	0.363	O					1.30
124.083	0.00	0.04	0.363	O					1.30
124.167	0.00	0.04	0.362	O					1.30
124.250	0.00	0.04	0.362	O					1.30
124.333	0.00	0.04	0.362	O					1.30
124.417	0.00	0.04	0.362	O					1.29
124.500	0.00	0.04	0.361	O					1.29
124.583	0.00	0.04	0.361	O					1.29
124.667	0.00	0.04	0.361	O					1.29
124.750	0.00	0.04	0.361	O					1.29
124.833	0.00	0.04	0.360	O					1.29
124.917	0.00	0.04	0.360	O					1.29
125.000	0.00	0.04	0.360	O					1.29
125.083	0.00	0.04	0.360	O					1.29
125.167	0.00	0.04	0.359	O					1.29
125.250	0.00	0.04	0.359	O					1.29
125.333	0.00	0.04	0.359	O					1.28
125.417	0.00	0.04	0.359	O					1.28
125.500	0.00	0.04	0.358	O					1.28
125.583	0.00	0.04	0.358	O					1.28
125.667	0.00	0.04	0.358	O					1.28
125.750	0.00	0.04	0.358	O					1.28
125.833	0.00	0.04	0.357	O					1.28
125.917	0.00	0.04	0.357	O					1.28
126.000	0.00	0.04	0.357	O					1.28
126.083	0.00	0.04	0.357	O					1.28
126.167	0.00	0.04	0.356	O					1.28
126.250	0.00	0.04	0.356	O					1.28
126.333	0.00	0.04	0.356	O					1.27
126.417	0.00	0.04	0.356	O					1.27
126.500	0.00	0.04	0.355	O					1.27
126.583	0.00	0.04	0.355	O					1.27
126.667	0.00	0.04	0.355	O					1.27
126.750	0.00	0.04	0.355	O					1.27
126.833	0.00	0.04	0.354	O					1.27
126.917	0.00	0.03	0.354	O					1.27
127.000	0.00	0.03	0.354	O					1.27
127.083	0.00	0.03	0.354	O					1.27
127.167	0.00	0.03	0.353	O					1.27
127.250	0.00	0.03	0.353	O					1.26
127.333	0.00	0.03	0.353	O					1.26
127.417	0.00	0.03	0.353	O					1.26
127.500	0.00	0.03	0.353	O					1.26
127.583	0.00	0.03	0.352	O					1.26
127.667	0.00	0.03	0.352	O					1.26
127.750	0.00	0.03	0.352	O					1.26
127.833	0.00	0.03	0.352	O					1.26
127.917	0.00	0.03	0.351	O					1.26

128.000	0.00	0.03	0.351	O					1.26
128.083	0.00	0.03	0.351	O					1.26
128.167	0.00	0.03	0.351	O					1.26
128.250	0.00	0.03	0.350	O					1.25
128.333	0.00	0.03	0.350	O					1.25
128.417	0.00	0.03	0.350	O					1.25
128.500	0.00	0.03	0.350	O					1.25
128.583	0.00	0.03	0.349	O					1.25
128.667	0.00	0.03	0.349	O					1.25
128.750	0.00	0.03	0.349	O					1.25
128.833	0.00	0.03	0.349	O					1.25
128.917	0.00	0.03	0.348	O					1.25
129.000	0.00	0.03	0.348	O					1.25
129.083	0.00	0.03	0.348	O					1.25
129.167	0.00	0.03	0.348	O					1.25
129.250	0.00	0.03	0.348	O					1.24
129.333	0.00	0.03	0.347	O					1.24
129.417	0.00	0.03	0.347	O					1.24
129.500	0.00	0.03	0.347	O					1.24
129.583	0.00	0.03	0.347	O					1.24
129.667	0.00	0.03	0.346	O					1.24
129.750	0.00	0.03	0.346	O					1.24
129.833	0.00	0.03	0.346	O					1.24
129.917	0.00	0.03	0.346	O					1.24
130.000	0.00	0.03	0.345	O					1.24
130.083	0.00	0.03	0.345	O					1.24
130.167	0.00	0.03	0.345	O					1.23
130.250	0.00	0.03	0.345	O					1.23
130.333	0.00	0.03	0.344	O					1.23
130.417	0.00	0.03	0.344	O					1.23
130.500	0.00	0.03	0.344	O					1.23
130.583	0.00	0.03	0.344	O					1.23
130.667	0.00	0.03	0.344	O					1.23
130.750	0.00	0.03	0.343	O					1.23
130.833	0.00	0.03	0.343	O					1.23
130.917	0.00	0.03	0.343	O					1.23
131.000	0.00	0.03	0.343	O					1.23
131.083	0.00	0.03	0.342	O					1.23
131.167	0.00	0.03	0.342	O					1.22
131.250	0.00	0.03	0.342	O					1.22
131.333	0.00	0.03	0.342	O					1.22
131.417	0.00	0.03	0.341	O					1.22
131.500	0.00	0.03	0.341	O					1.22
131.583	0.00	0.03	0.341	O					1.22
131.667	0.00	0.03	0.341	O					1.22
131.750	0.00	0.03	0.341	O					1.22
131.833	0.00	0.03	0.340	O					1.22
131.917	0.00	0.03	0.340	O					1.22
132.000	0.00	0.03	0.340	O					1.22
132.083	0.00	0.03	0.340	O					1.22
132.167	0.00	0.03	0.339	O					1.21
132.250	0.00	0.03	0.339	O					1.21
132.333	0.00	0.03	0.339	O					1.21
132.417	0.00	0.03	0.339	O					1.21
132.500	0.00	0.03	0.338	O					1.21
132.583	0.00	0.03	0.338	O					1.21
132.667	0.00	0.03	0.338	O					1.21
132.750	0.00	0.03	0.338	O					1.21
132.833	0.00	0.03	0.338	O					1.21
132.917	0.00	0.03	0.337	O					1.21
133.000	0.00	0.03	0.337	O					1.21
133.083	0.00	0.03	0.337	O					1.21
133.167	0.00	0.03	0.337	O					1.21
133.250	0.00	0.03	0.336	O					1.20
133.333	0.00	0.03	0.336	O					1.20
133.417	0.00	0.03	0.336	O					1.20
133.500	0.00	0.03	0.336	O					1.20
133.583	0.00	0.03	0.335	O					1.20
133.667	0.00	0.03	0.335	O					1.20
133.750	0.00	0.03	0.335	O					1.20
133.833	0.00	0.03	0.335	O					1.20
133.917	0.00	0.03	0.335	O					1.20
134.000	0.00	0.03	0.334	O					1.20

134.083	0.00	0.03	0.334	O					1.20
134.167	0.00	0.03	0.334	O					1.20
134.250	0.00	0.03	0.334	O					1.19
134.333	0.00	0.03	0.333	O					1.19
134.417	0.00	0.03	0.333	O					1.19
134.500	0.00	0.03	0.333	O					1.19
134.583	0.00	0.03	0.333	O					1.19
134.667	0.00	0.03	0.333	O					1.19
134.750	0.00	0.03	0.332	O					1.19
134.833	0.00	0.03	0.332	O					1.19
134.917	0.00	0.03	0.332	O					1.19
135.000	0.00	0.03	0.332	O					1.19
135.083	0.00	0.03	0.331	O					1.19
135.167	0.00	0.03	0.331	O					1.19
135.250	0.00	0.03	0.331	O					1.18
135.333	0.00	0.03	0.331	O					1.18
135.417	0.00	0.03	0.330	O					1.18
135.500	0.00	0.03	0.330	O					1.18
135.583	0.00	0.03	0.330	O					1.18
135.667	0.00	0.03	0.330	O					1.18
135.750	0.00	0.03	0.330	O					1.18
135.833	0.00	0.03	0.329	O					1.18
135.917	0.00	0.03	0.329	O					1.18
136.000	0.00	0.03	0.329	O					1.18
136.083	0.00	0.03	0.329	O					1.18
136.167	0.00	0.03	0.328	O					1.18
136.250	0.00	0.03	0.328	O					1.18
136.333	0.00	0.03	0.328	O					1.17
136.417	0.00	0.03	0.328	O					1.17
136.500	0.00	0.03	0.328	O					1.17
136.583	0.00	0.03	0.327	O					1.17
136.667	0.00	0.03	0.327	O					1.17
136.750	0.00	0.03	0.327	O					1.17
136.833	0.00	0.03	0.327	O					1.17
136.917	0.00	0.03	0.326	O					1.17
137.000	0.00	0.03	0.326	O					1.17
137.083	0.00	0.03	0.326	O					1.17
137.167	0.00	0.03	0.326	O					1.17
137.250	0.00	0.03	0.326	O					1.17
137.333	0.00	0.03	0.325	O					1.16
137.417	0.00	0.03	0.325	O					1.16
137.500	0.00	0.03	0.325	O					1.16
137.583	0.00	0.03	0.325	O					1.16
137.667	0.00	0.03	0.324	O					1.16
137.750	0.00	0.03	0.324	O					1.16
137.833	0.00	0.03	0.324	O					1.16
137.917	0.00	0.03	0.324	O					1.16
138.000	0.00	0.03	0.324	O					1.16
138.083	0.00	0.03	0.323	O					1.16
138.167	0.00	0.03	0.323	O					1.16
138.250	0.00	0.03	0.323	O					1.16
138.333	0.00	0.03	0.323	O					1.16
138.417	0.00	0.03	0.322	O					1.15
138.500	0.00	0.03	0.322	O					1.15
138.583	0.00	0.03	0.322	O					1.15
138.667	0.00	0.03	0.322	O					1.15
138.750	0.00	0.03	0.322	O					1.15
138.833	0.00	0.03	0.321	O					1.15
138.917	0.00	0.03	0.321	O					1.15
139.000	0.00	0.03	0.321	O					1.15
139.083	0.00	0.03	0.321	O					1.15
139.167	0.00	0.03	0.321	O					1.15
139.250	0.00	0.03	0.320	O					1.15
139.333	0.00	0.03	0.320	O					1.15
139.417	0.00	0.03	0.320	O					1.15
139.500	0.00	0.03	0.320	O					1.14
139.583	0.00	0.03	0.319	O					1.14
139.667	0.00	0.03	0.319	O					1.14
139.750	0.00	0.03	0.319	O					1.14
139.833	0.00	0.03	0.319	O					1.14
139.917	0.00	0.03	0.319	O					1.14
140.000	0.00	0.03	0.318	O					1.14
140.083	0.00	0.03	0.318	O					1.14

140.167	0.00	0.03	0.318	O					1.14
140.250	0.00	0.03	0.318	O					1.14
140.333	0.00	0.03	0.317	O					1.14
140.417	0.00	0.03	0.317	O					1.14
140.500	0.00	0.03	0.317	O					1.14
140.583	0.00	0.03	0.317	O					1.13
140.667	0.00	0.03	0.317	O					1.13
140.750	0.00	0.03	0.316	O					1.13
140.833	0.00	0.03	0.316	O					1.13
140.917	0.00	0.03	0.316	O					1.13
141.000	0.00	0.03	0.316	O					1.13
141.083	0.00	0.03	0.316	O					1.13
141.167	0.00	0.03	0.315	O					1.13
141.250	0.00	0.03	0.315	O					1.13
141.333	0.00	0.03	0.315	O					1.13
141.417	0.00	0.03	0.315	O					1.13
141.500	0.00	0.03	0.314	O					1.13
141.583	0.00	0.03	0.314	O					1.13
141.667	0.00	0.03	0.314	O					1.12
141.750	0.00	0.03	0.314	O					1.12
141.833	0.00	0.03	0.314	O					1.12
141.917	0.00	0.03	0.313	O					1.12
142.000	0.00	0.03	0.313	O					1.12
142.083	0.00	0.03	0.313	O					1.12
142.167	0.00	0.03	0.313	O					1.12
142.250	0.00	0.03	0.313	O					1.12
142.333	0.00	0.03	0.312	O					1.12
142.417	0.00	0.03	0.312	O					1.12
142.500	0.00	0.03	0.312	O					1.12
142.583	0.00	0.03	0.312	O					1.12
142.667	0.00	0.03	0.311	O					1.12
142.750	0.00	0.03	0.311	O					1.11
142.833	0.00	0.03	0.311	O					1.11
142.917	0.00	0.03	0.311	O					1.11
143.000	0.00	0.03	0.311	O					1.11
143.083	0.00	0.03	0.310	O					1.11
143.167	0.00	0.03	0.310	O					1.11
143.250	0.00	0.03	0.310	O					1.11
143.333	0.00	0.03	0.310	O					1.11
143.417	0.00	0.03	0.310	O					1.11
143.500	0.00	0.03	0.309	O					1.11
143.583	0.00	0.03	0.309	O					1.11
143.667	0.00	0.03	0.309	O					1.11
143.750	0.00	0.03	0.309	O					1.11
143.833	0.00	0.03	0.309	O					1.10
143.917	0.00	0.03	0.308	O					1.10
144.000	0.00	0.03	0.308	O					1.10
144.083	0.00	0.03	0.308	O					1.10
144.167	0.00	0.03	0.308	O					1.10
144.250	0.00	0.03	0.307	O					1.10
144.333	0.00	0.03	0.307	O					1.10
144.417	0.00	0.03	0.307	O					1.10
144.500	0.00	0.03	0.307	O					1.10
144.583	0.00	0.03	0.307	O					1.10
144.667	0.00	0.03	0.306	O					1.10
144.750	0.00	0.03	0.306	O					1.10
144.833	0.00	0.03	0.306	O					1.10
144.917	0.00	0.03	0.306	O					1.09
145.000	0.00	0.03	0.306	O					1.09
145.083	0.00	0.03	0.305	O					1.09
145.167	0.00	0.03	0.305	O					1.09
145.250	0.00	0.03	0.305	O					1.09
145.333	0.00	0.03	0.305	O					1.09
145.417	0.00	0.03	0.305	O					1.09
145.500	0.00	0.03	0.304	O					1.09
145.583	0.00	0.03	0.304	O					1.09
145.667	0.00	0.03	0.304	O					1.09
145.750	0.00	0.03	0.304	O					1.09
145.833	0.00	0.03	0.304	O					1.09
145.917	0.00	0.03	0.303	O					1.09
146.000	0.00	0.03	0.303	O					1.09
146.083	0.00	0.03	0.303	O					1.08
146.167	0.00	0.03	0.303	O					1.08

146.250	0.00	0.03	0.303	O					1.08
146.333	0.00	0.03	0.302	O					1.08
146.417	0.00	0.03	0.302	O					1.08
146.500	0.00	0.03	0.302	O					1.08
146.583	0.00	0.03	0.302	O					1.08
146.667	0.00	0.03	0.301	O					1.08
146.750	0.00	0.03	0.301	O					1.08
146.833	0.00	0.03	0.301	O					1.08
146.917	0.00	0.03	0.301	O					1.08
147.000	0.00	0.03	0.301	O					1.08
147.083	0.00	0.03	0.300	O					1.08
147.167	0.00	0.03	0.300	O					1.07
147.250	0.00	0.03	0.300	O					1.07
147.333	0.00	0.03	0.300	O					1.07
147.417	0.00	0.03	0.300	O					1.07
147.500	0.00	0.03	0.299	O					1.07
147.583	0.00	0.03	0.299	O					1.07
147.667	0.00	0.03	0.299	O					1.07
147.750	0.00	0.03	0.299	O					1.07
147.833	0.00	0.03	0.299	O					1.07
147.917	0.00	0.03	0.298	O					1.07
148.000	0.00	0.03	0.298	O					1.07
148.083	0.00	0.03	0.298	O					1.07
148.167	0.00	0.03	0.298	O					1.07
148.250	0.00	0.03	0.298	O					1.07
148.333	0.00	0.03	0.297	O					1.06
148.417	0.00	0.03	0.297	O					1.06
148.500	0.00	0.03	0.297	O					1.06
148.583	0.00	0.03	0.297	O					1.06
148.667	0.00	0.03	0.297	O					1.06
148.750	0.00	0.03	0.296	O					1.06
148.833	0.00	0.03	0.296	O					1.06
148.917	0.00	0.03	0.296	O					1.06
149.000	0.00	0.03	0.296	O					1.06
149.083	0.00	0.03	0.296	O					1.06
149.167	0.00	0.03	0.295	O					1.06
149.250	0.00	0.03	0.295	O					1.06
149.333	0.00	0.03	0.295	O					1.06
149.417	0.00	0.03	0.295	O					1.06
149.500	0.00	0.03	0.295	O					1.05
149.583	0.00	0.03	0.294	O					1.05
149.667	0.00	0.03	0.294	O					1.05
149.750	0.00	0.03	0.294	O					1.05
149.833	0.00	0.03	0.294	O					1.05
149.917	0.00	0.03	0.294	O					1.05
150.000	0.00	0.03	0.293	O					1.05
150.083	0.00	0.03	0.293	O					1.05
150.167	0.00	0.03	0.293	O					1.05
150.250	0.00	0.03	0.293	O					1.05
150.333	0.00	0.03	0.293	O					1.05
150.417	0.00	0.03	0.292	O					1.05
150.500	0.00	0.03	0.292	O					1.05
150.583	0.00	0.03	0.292	O					1.05
150.667	0.00	0.03	0.292	O					1.04
150.750	0.00	0.03	0.292	O					1.04
150.833	0.00	0.03	0.291	O					1.04
150.917	0.00	0.03	0.291	O					1.04
151.000	0.00	0.03	0.291	O					1.04
151.083	0.00	0.03	0.291	O					1.04
151.167	0.00	0.03	0.291	O					1.04
151.250	0.00	0.03	0.290	O					1.04
151.333	0.00	0.03	0.290	O					1.04
151.417	0.00	0.03	0.290	O					1.04
151.500	0.00	0.03	0.290	O					1.04
151.583	0.00	0.03	0.290	O					1.04
151.667	0.00	0.03	0.289	O					1.04
151.750	0.00	0.03	0.289	O					1.04
151.833	0.00	0.03	0.289	O					1.03
151.917	0.00	0.03	0.289	O					1.03
152.000	0.00	0.03	0.289	O					1.03
152.083	0.00	0.03	0.288	O					1.03
152.167	0.00	0.03	0.288	O					1.03
152.250	0.00	0.03	0.288	O					1.03

152.333	0.00	0.03	0.288	O				1.03
152.417	0.00	0.03	0.288	O				1.03
152.500	0.00	0.03	0.287	O				1.03
152.583	0.00	0.03	0.287	O				1.03
152.667	0.00	0.03	0.287	O				1.03
152.750	0.00	0.03	0.287	O				1.03
152.833	0.00	0.03	0.287	O				1.03
152.917	0.00	0.03	0.286	O				1.03
153.000	0.00	0.03	0.286	O				1.02
153.083	0.00	0.03	0.286	O				1.02
153.167	0.00	0.03	0.286	O				1.02
153.250	0.00	0.03	0.286	O				1.02
153.333	0.00	0.03	0.286	O				1.02
153.417	0.00	0.03	0.285	O				1.02
153.500	0.00	0.03	0.285	O				1.02
153.583	0.00	0.03	0.285	O				1.02
153.667	0.00	0.03	0.285	O				1.02
153.750	0.00	0.03	0.285	O				1.02
153.833	0.00	0.03	0.284	O				1.02
153.917	0.00	0.03	0.284	O				1.02
154.000	0.00	0.03	0.284	O				1.02
154.083	0.00	0.03	0.284	O				1.02
154.167	0.00	0.03	0.284	O				1.02
154.250	0.00	0.03	0.283	O				1.01
154.333	0.00	0.03	0.283	O				1.01
154.417	0.00	0.03	0.283	O				1.01
154.500	0.00	0.03	0.283	O				1.01
154.583	0.00	0.03	0.283	O				1.01
154.667	0.00	0.03	0.282	O				1.01
154.750	0.00	0.03	0.282	O				1.01
154.833	0.00	0.03	0.282	O				1.01
154.917	0.00	0.03	0.282	O				1.01
155.000	0.00	0.03	0.282	O				1.01
155.083	0.00	0.03	0.281	O				1.01
155.167	0.00	0.03	0.281	O				1.01
155.250	0.00	0.03	0.281	O				1.01
155.333	0.00	0.03	0.281	O				1.01
155.417	0.00	0.03	0.281	O				1.00
155.500	0.00	0.03	0.281	O				1.00
155.583	0.00	0.03	0.280	O				1.00
155.667	0.00	0.03	0.280	O				1.00
155.750	0.00	0.03	0.280	O				1.00
155.833	0.00	0.03	0.280	O				1.00
155.917	0.00	0.03	0.280	O				1.00
156.000	0.00	0.03	0.279	O				1.00
156.083	0.00	0.03	0.279	O				1.00
156.167	0.00	0.03	0.279	O				1.00
156.250	0.00	0.03	0.279	O				1.00
156.333	0.00	0.03	0.279	O				1.00
156.417	0.00	0.03	0.278	O				1.00
156.500	0.00	0.03	0.278	O				1.00
156.583	0.00	0.03	0.278	O				1.00
156.667	0.00	0.03	0.278	O				0.99
156.750	0.00	0.03	0.278	O				0.99
156.833	0.00	0.03	0.277	O				0.99
156.917	0.00	0.03	0.277	O				0.99
157.000	0.00	0.03	0.277	O				0.99
157.083	0.00	0.03	0.277	O				0.99
157.167	0.00	0.03	0.277	O				0.99
157.250	0.00	0.03	0.277	O				0.99
157.333	0.00	0.03	0.276	O				0.99
157.417	0.00	0.03	0.276	O				0.99
157.500	0.00	0.03	0.276	O				0.99
157.583	0.00	0.03	0.276	O				0.99
157.667	0.00	0.03	0.276	O				0.99
157.750	0.00	0.03	0.275	O				0.99
157.833	0.00	0.03	0.275	O				0.99
157.917	0.00	0.03	0.275	O				0.98
158.000	0.00	0.03	0.275	O				0.98
158.083	0.00	0.03	0.275	O				0.98
158.167	0.00	0.03	0.274	O				0.98
158.250	0.00	0.03	0.274	O				0.98
158.333	0.00	0.03	0.274	O				0.98

158.417	0.00	0.03	0.274	O					0.98
158.500	0.00	0.03	0.274	O					0.98
158.583	0.00	0.03	0.274	O					0.98
158.667	0.00	0.03	0.273	O					0.98
158.750	0.00	0.03	0.273	O					0.98
158.833	0.00	0.03	0.273	O					0.98
158.917	0.00	0.03	0.273	O					0.98
159.000	0.00	0.03	0.273	O					0.98
159.083	0.00	0.03	0.272	O					0.98
159.167	0.00	0.03	0.272	O					0.97
159.250	0.00	0.03	0.272	O					0.97
159.333	0.00	0.03	0.272	O					0.97
159.417	0.00	0.03	0.272	O					0.97
159.500	0.00	0.03	0.271	O					0.97
159.583	0.00	0.03	0.271	O					0.97
159.667	0.00	0.03	0.271	O					0.97
159.750	0.00	0.03	0.271	O					0.97
159.833	0.00	0.03	0.271	O					0.97
159.917	0.00	0.03	0.271	O					0.97
160.000	0.00	0.03	0.270	O					0.97
160.083	0.00	0.03	0.270	O					0.97
160.167	0.00	0.03	0.270	O					0.97
160.250	0.00	0.03	0.270	O					0.97
160.333	0.00	0.03	0.270	O					0.97
160.417	0.00	0.03	0.269	O					0.96
160.500	0.00	0.03	0.269	O					0.96
160.583	0.00	0.03	0.269	O					0.96
160.667	0.00	0.03	0.269	O					0.96
160.750	0.00	0.03	0.269	O					0.96
160.833	0.00	0.03	0.269	O					0.96
160.917	0.00	0.03	0.268	O					0.96
161.000	0.00	0.03	0.268	O					0.96
161.083	0.00	0.03	0.268	O					0.96
161.167	0.00	0.03	0.268	O					0.96
161.250	0.00	0.03	0.268	O					0.96
161.333	0.00	0.03	0.267	O					0.96
161.417	0.00	0.03	0.267	O					0.96
161.500	0.00	0.03	0.267	O					0.96
161.583	0.00	0.03	0.267	O					0.96
161.667	0.00	0.03	0.267	O					0.95
161.750	0.00	0.03	0.267	O					0.95
161.833	0.00	0.03	0.266	O					0.95
161.917	0.00	0.03	0.266	O					0.95
162.000	0.00	0.03	0.266	O					0.95
162.083	0.00	0.03	0.266	O					0.95
162.167	0.00	0.03	0.266	O					0.95
162.250	0.00	0.03	0.265	O					0.95
162.333	0.00	0.03	0.265	O					0.95
162.417	0.00	0.03	0.265	O					0.95
162.500	0.00	0.03	0.265	O					0.95
162.583	0.00	0.03	0.265	O					0.95
162.667	0.00	0.03	0.265	O					0.95
162.750	0.00	0.03	0.264	O					0.95
162.833	0.00	0.03	0.264	O					0.95
162.917	0.00	0.03	0.264	O					0.95
163.000	0.00	0.03	0.264	O					0.94
163.083	0.00	0.03	0.264	O					0.94
163.167	0.00	0.03	0.263	O					0.94
163.250	0.00	0.03	0.263	O					0.94
163.333	0.00	0.03	0.263	O					0.94
163.417	0.00	0.03	0.263	O					0.94
163.500	0.00	0.03	0.263	O					0.94
163.583	0.00	0.03	0.263	O					0.94
163.667	0.00	0.03	0.262	O					0.94
163.750	0.00	0.03	0.262	O					0.94
163.833	0.00	0.03	0.262	O					0.94
163.917	0.00	0.03	0.262	O					0.94
164.000	0.00	0.03	0.262	O					0.94
164.083	0.00	0.03	0.262	O					0.94
164.167	0.00	0.03	0.261	O					0.94
164.250	0.00	0.03	0.261	O					0.94
164.333	0.00	0.03	0.261	O					0.93
164.417	0.00	0.03	0.261	O					0.93

164.500	0.00	0.03	0.261	O					0.93
164.583	0.00	0.03	0.260	O					0.93
164.667	0.00	0.03	0.260	O					0.93
164.750	0.00	0.03	0.260	O					0.93
164.833	0.00	0.03	0.260	O					0.93
164.917	0.00	0.03	0.260	O					0.93
165.000	0.00	0.03	0.260	O					0.93
165.083	0.00	0.03	0.259	O					0.93
165.167	0.00	0.03	0.259	O					0.93
165.250	0.00	0.03	0.259	O					0.93
165.333	0.00	0.03	0.259	O					0.93
165.417	0.00	0.03	0.259	O					0.93
165.500	0.00	0.03	0.259	O					0.93
165.583	0.00	0.03	0.258	O					0.92
165.667	0.00	0.03	0.258	O					0.92
165.750	0.00	0.03	0.258	O					0.92
165.833	0.00	0.03	0.258	O					0.92
165.917	0.00	0.03	0.258	O					0.92
166.000	0.00	0.03	0.257	O					0.92
166.083	0.00	0.03	0.257	O					0.92
166.167	0.00	0.03	0.257	O					0.92
166.250	0.00	0.03	0.257	O					0.92
166.333	0.00	0.03	0.257	O					0.92
166.417	0.00	0.03	0.257	O					0.92
166.500	0.00	0.03	0.256	O					0.92
166.583	0.00	0.03	0.256	O					0.92
166.667	0.00	0.03	0.256	O					0.92
166.750	0.00	0.03	0.256	O					0.92
166.833	0.00	0.03	0.256	O					0.92
166.917	0.00	0.03	0.256	O					0.91
167.000	0.00	0.03	0.255	O					0.91
167.083	0.00	0.03	0.255	O					0.91
167.167	0.00	0.03	0.255	O					0.91
167.250	0.00	0.03	0.255	O					0.91
167.333	0.00	0.03	0.255	O					0.91
167.417	0.00	0.03	0.255	O					0.91
167.500	0.00	0.03	0.254	O					0.91
167.583	0.00	0.03	0.254	O					0.91
167.667	0.00	0.03	0.254	O					0.91
167.750	0.00	0.03	0.254	O					0.91
167.833	0.00	0.03	0.254	O					0.91
167.917	0.00	0.03	0.253	O					0.91
168.000	0.00	0.03	0.253	O					0.91
168.083	0.00	0.02	0.253	O					0.91
168.167	0.00	0.02	0.253	O					0.91
168.250	0.00	0.02	0.253	O					0.91
168.333	0.00	0.02	0.253	O					0.90
168.417	0.00	0.02	0.252	O					0.90
168.500	0.00	0.02	0.252	O					0.90
168.583	0.00	0.02	0.252	O					0.90
168.667	0.00	0.02	0.252	O					0.90
168.750	0.00	0.02	0.252	O					0.90
168.833	0.00	0.02	0.252	O					0.90
168.917	0.00	0.02	0.251	O					0.90
169.000	0.00	0.02	0.251	O					0.90
169.083	0.00	0.02	0.251	O					0.90
169.167	0.00	0.02	0.251	O					0.90
169.250	0.00	0.02	0.251	O					0.90
169.333	0.00	0.02	0.251	O					0.90
169.417	0.00	0.02	0.250	O					0.90
169.500	0.00	0.02	0.250	O					0.90
169.583	0.00	0.02	0.250	O					0.90
169.667	0.00	0.02	0.250	O					0.89
169.750	0.00	0.02	0.250	O					0.89
169.833	0.00	0.02	0.250	O					0.89
169.917	0.00	0.02	0.249	O					0.89
170.000	0.00	0.02	0.249	O					0.89
170.083	0.00	0.02	0.249	O					0.89
170.167	0.00	0.02	0.249	O					0.89
170.250	0.00	0.02	0.249	O					0.89
170.333	0.00	0.02	0.249	O					0.89
170.417	0.00	0.02	0.248	O					0.89
170.500	0.00	0.02	0.248	O					0.89

170.583	0.00	0.02	0.248	O					0.89
170.667	0.00	0.02	0.248	O					0.89
170.750	0.00	0.02	0.248	O					0.89
170.833	0.00	0.02	0.248	O					0.89
170.917	0.00	0.02	0.247	O					0.89
171.000	0.00	0.02	0.247	O					0.88
171.083	0.00	0.02	0.247	O					0.88
171.167	0.00	0.02	0.247	O					0.88
171.250	0.00	0.02	0.247	O					0.88
171.333	0.00	0.02	0.246	O					0.88
171.417	0.00	0.02	0.246	O					0.88
171.500	0.00	0.02	0.246	O					0.88
171.583	0.00	0.02	0.246	O					0.88
171.667	0.00	0.02	0.246	O					0.88
171.750	0.00	0.02	0.246	O					0.88
171.833	0.00	0.02	0.245	O					0.88
171.917	0.00	0.02	0.245	O					0.88
172.000	0.00	0.02	0.245	O					0.88
172.083	0.00	0.02	0.245	O					0.88
172.167	0.00	0.02	0.245	O					0.88
172.250	0.00	0.02	0.245	O					0.88
172.333	0.00	0.02	0.244	O					0.88
172.417	0.00	0.02	0.244	O					0.87
172.500	0.00	0.02	0.244	O					0.87
172.583	0.00	0.02	0.244	O					0.87
172.667	0.00	0.02	0.244	O					0.87
172.750	0.00	0.02	0.244	O					0.87
172.833	0.00	0.02	0.243	O					0.87
172.917	0.00	0.02	0.243	O					0.87
173.000	0.00	0.02	0.243	O					0.87
173.083	0.00	0.02	0.243	O					0.87
173.167	0.00	0.02	0.243	O					0.87
173.250	0.00	0.02	0.243	O					0.87
173.333	0.00	0.02	0.243	O					0.87
173.417	0.00	0.02	0.242	O					0.87
173.500	0.00	0.02	0.242	O					0.87
173.583	0.00	0.02	0.242	O					0.87
173.667	0.00	0.02	0.242	O					0.87
173.750	0.00	0.02	0.242	O					0.87
173.833	0.00	0.02	0.242	O					0.86
173.917	0.00	0.02	0.241	O					0.86
174.000	0.00	0.02	0.241	O					0.86
174.083	0.00	0.02	0.241	O					0.86
174.167	0.00	0.02	0.241	O					0.86
174.250	0.00	0.02	0.241	O					0.86
174.333	0.00	0.02	0.241	O					0.86
174.417	0.00	0.02	0.240	O					0.86
174.500	0.00	0.02	0.240	O					0.86
174.583	0.00	0.02	0.240	O					0.86
174.667	0.00	0.02	0.240	O					0.86
174.750	0.00	0.02	0.240	O					0.86
174.833	0.00	0.02	0.240	O					0.86
174.917	0.00	0.02	0.239	O					0.86
175.000	0.00	0.02	0.239	O					0.86
175.083	0.00	0.02	0.239	O					0.86
175.167	0.00	0.02	0.239	O					0.86
175.250	0.00	0.02	0.239	O					0.85
175.333	0.00	0.02	0.239	O					0.85
175.417	0.00	0.02	0.238	O					0.85
175.500	0.00	0.02	0.238	O					0.85
175.583	0.00	0.02	0.238	O					0.85
175.667	0.00	0.02	0.238	O					0.85
175.750	0.00	0.02	0.238	O					0.85
175.833	0.00	0.02	0.238	O					0.85
175.917	0.00	0.02	0.237	O					0.85
176.000	0.00	0.02	0.237	O					0.85
176.083	0.00	0.02	0.237	O					0.85
176.167	0.00	0.02	0.237	O					0.85
176.250	0.00	0.02	0.237	O					0.85
176.333	0.00	0.02	0.237	O					0.85
176.417	0.00	0.02	0.236	O					0.85
176.500	0.00	0.02	0.236	O					0.85
176.583	0.00	0.02	0.236	O					0.85

176.667	0.00	0.02	0.236	O					0.84
176.750	0.00	0.02	0.236	O					0.84
176.833	0.00	0.02	0.236	O					0.84
176.917	0.00	0.02	0.236	O					0.84
177.000	0.00	0.02	0.235	O					0.84
177.083	0.00	0.02	0.235	O					0.84
177.167	0.00	0.02	0.235	O					0.84
177.250	0.00	0.02	0.235	O					0.84
177.333	0.00	0.02	0.235	O					0.84
177.417	0.00	0.02	0.235	O					0.84
177.500	0.00	0.02	0.234	O					0.84
177.583	0.00	0.02	0.234	O					0.84
177.667	0.00	0.02	0.234	O					0.84
177.750	0.00	0.02	0.234	O					0.84
177.833	0.00	0.02	0.234	O					0.84
177.917	0.00	0.02	0.234	O					0.84
178.000	0.00	0.02	0.233	O					0.84
178.083	0.00	0.02	0.233	O					0.84
178.167	0.00	0.02	0.233	O					0.83
178.250	0.00	0.02	0.233	O					0.83
178.333	0.00	0.02	0.233	O					0.83
178.417	0.00	0.02	0.233	O					0.83
178.500	0.00	0.02	0.232	O					0.83
178.583	0.00	0.02	0.232	O					0.83
178.667	0.00	0.02	0.232	O					0.83
178.750	0.00	0.02	0.232	O					0.83
178.833	0.00	0.02	0.232	O					0.83
178.917	0.00	0.02	0.232	O					0.83
179.000	0.00	0.02	0.232	O					0.83
179.083	0.00	0.02	0.231	O					0.83
179.167	0.00	0.02	0.231	O					0.83
179.250	0.00	0.02	0.231	O					0.83
179.333	0.00	0.02	0.231	O					0.83
179.417	0.00	0.02	0.231	O					0.83
179.500	0.00	0.02	0.231	O					0.83
179.583	0.00	0.02	0.230	O					0.83
179.667	0.00	0.02	0.230	O					0.82
179.750	0.00	0.02	0.230	O					0.82
179.833	0.00	0.02	0.230	O					0.82
179.917	0.00	0.02	0.230	O					0.82
180.000	0.00	0.02	0.230	O					0.82
180.083	0.00	0.02	0.230	O					0.82
180.167	0.00	0.02	0.229	O					0.82
180.250	0.00	0.02	0.229	O					0.82
180.333	0.00	0.02	0.229	O					0.82
180.417	0.00	0.02	0.229	O					0.82
180.500	0.00	0.02	0.229	O					0.82
180.583	0.00	0.02	0.229	O					0.82
180.667	0.00	0.02	0.228	O					0.82
180.750	0.00	0.02	0.228	O					0.82
180.833	0.00	0.02	0.228	O					0.82
180.917	0.00	0.02	0.228	O					0.82
181.000	0.00	0.02	0.228	O					0.82
181.083	0.00	0.02	0.228	O					0.82
181.167	0.00	0.02	0.227	O					0.81
181.250	0.00	0.02	0.227	O					0.81
181.333	0.00	0.02	0.227	O					0.81
181.417	0.00	0.02	0.227	O					0.81
181.500	0.00	0.02	0.227	O					0.81
181.583	0.00	0.02	0.227	O					0.81
181.667	0.00	0.02	0.227	O					0.81
181.750	0.00	0.02	0.226	O					0.81
181.833	0.00	0.02	0.226	O					0.81
181.917	0.00	0.02	0.226	O					0.81
182.000	0.00	0.02	0.226	O					0.81
182.083	0.00	0.02	0.226	O					0.81
182.167	0.00	0.02	0.226	O					0.81
182.250	0.00	0.02	0.225	O					0.81
182.333	0.00	0.02	0.225	O					0.81
182.417	0.00	0.02	0.225	O					0.81
182.500	0.00	0.02	0.225	O					0.81
182.583	0.00	0.02	0.225	O					0.81
182.667	0.00	0.02	0.225	O					0.80

182.750	0.00	0.02	0.225	O					0.80
182.833	0.00	0.02	0.224	O					0.80
182.917	0.00	0.02	0.224	O					0.80
183.000	0.00	0.02	0.224	O					0.80
183.083	0.00	0.02	0.224	O					0.80
183.167	0.00	0.02	0.224	O					0.80
183.250	0.00	0.02	0.224	O					0.80
183.333	0.00	0.02	0.223	O					0.80
183.417	0.00	0.02	0.223	O					0.80
183.500	0.00	0.02	0.223	O					0.80
183.583	0.00	0.02	0.223	O					0.80
183.667	0.00	0.02	0.223	O					0.80
183.750	0.00	0.02	0.223	O					0.80
183.833	0.00	0.02	0.223	O					0.80
183.917	0.00	0.02	0.222	O					0.80
184.000	0.00	0.02	0.222	O					0.80
184.083	0.00	0.02	0.222	O					0.80
184.167	0.00	0.02	0.222	O					0.79
184.250	0.00	0.02	0.222	O					0.79
184.333	0.00	0.02	0.222	O					0.79
184.417	0.00	0.02	0.222	O					0.79
184.500	0.00	0.02	0.221	O					0.79
184.583	0.00	0.02	0.221	O					0.79
184.667	0.00	0.02	0.221	O					0.79
184.750	0.00	0.02	0.221	O					0.79
184.833	0.00	0.02	0.221	O					0.79
184.917	0.00	0.02	0.221	O					0.79
185.000	0.00	0.02	0.220	O					0.79
185.083	0.00	0.02	0.220	O					0.79
185.167	0.00	0.02	0.220	O					0.79
185.250	0.00	0.02	0.220	O					0.79
185.333	0.00	0.02	0.220	O					0.79
185.417	0.00	0.02	0.220	O					0.79
185.500	0.00	0.02	0.220	O					0.79
185.583	0.00	0.02	0.219	O					0.79
185.667	0.00	0.02	0.219	O					0.79
185.750	0.00	0.02	0.219	O					0.78
185.833	0.00	0.02	0.219	O					0.78
185.917	0.00	0.02	0.219	O					0.78
186.000	0.00	0.02	0.219	O					0.78
186.083	0.00	0.02	0.219	O					0.78
186.167	0.00	0.02	0.218	O					0.78
186.250	0.00	0.02	0.218	O					0.78
186.333	0.00	0.02	0.218	O					0.78
186.417	0.00	0.02	0.218	O					0.78
186.500	0.00	0.02	0.218	O					0.78
186.583	0.00	0.02	0.218	O					0.78
186.667	0.00	0.02	0.217	O					0.78
186.750	0.00	0.02	0.217	O					0.78
186.833	0.00	0.02	0.217	O					0.78
186.917	0.00	0.02	0.217	O					0.78
187.000	0.00	0.02	0.217	O					0.78
187.083	0.00	0.02	0.217	O					0.78
187.167	0.00	0.02	0.217	O					0.78
187.250	0.00	0.02	0.216	O					0.78
187.333	0.00	0.02	0.216	O					0.77
187.417	0.00	0.02	0.216	O					0.77
187.500	0.00	0.02	0.216	O					0.77
187.583	0.00	0.02	0.216	O					0.77
187.667	0.00	0.02	0.216	O					0.77
187.750	0.00	0.02	0.216	O					0.77
187.833	0.00	0.02	0.215	O					0.77
187.917	0.00	0.02	0.215	O					0.77
188.000	0.00	0.02	0.215	O					0.77
188.083	0.00	0.02	0.215	O					0.77
188.167	0.00	0.02	0.215	O					0.77
188.250	0.00	0.02	0.215	O					0.77
188.333	0.00	0.02	0.215	O					0.77
188.417	0.00	0.02	0.214	O					0.77
188.500	0.00	0.02	0.214	O					0.77
188.583	0.00	0.02	0.214	O					0.77
188.667	0.00	0.02	0.214	O					0.77
188.750	0.00	0.02	0.214	O					0.77

188.833	0.00	0.02	0.214	O					0.77
188.917	0.00	0.02	0.214	O					0.76
189.000	0.00	0.02	0.213	O					0.76
189.083	0.00	0.02	0.213	O					0.76
189.167	0.00	0.02	0.213	O					0.76
189.250	0.00	0.02	0.213	O					0.76
189.333	0.00	0.02	0.213	O					0.76
189.417	0.00	0.02	0.213	O					0.76
189.500	0.00	0.02	0.213	O					0.76
189.583	0.00	0.02	0.212	O					0.76
189.667	0.00	0.02	0.212	O					0.76
189.750	0.00	0.02	0.212	O					0.76
189.833	0.00	0.02	0.212	O					0.76
189.917	0.00	0.02	0.212	O					0.76
190.000	0.00	0.02	0.212	O					0.76
190.083	0.00	0.02	0.212	O					0.76
190.167	0.00	0.02	0.211	O					0.76
190.250	0.00	0.02	0.211	O					0.76
190.333	0.00	0.02	0.211	O					0.76
190.417	0.00	0.02	0.211	O					0.76
190.500	0.00	0.02	0.211	O					0.75
190.583	0.00	0.02	0.211	O					0.75
190.667	0.00	0.02	0.211	O					0.75
190.750	0.00	0.02	0.210	O					0.75
190.833	0.00	0.02	0.210	O					0.75
190.917	0.00	0.02	0.210	O					0.75
191.000	0.00	0.02	0.210	O					0.75
191.083	0.00	0.02	0.210	O					0.75
191.167	0.00	0.02	0.210	O					0.75
191.250	0.00	0.02	0.210	O					0.75
191.333	0.00	0.02	0.209	O					0.75
191.417	0.00	0.02	0.209	O					0.75
191.500	0.00	0.02	0.209	O					0.75
191.583	0.00	0.02	0.209	O					0.75
191.667	0.00	0.02	0.209	O					0.75
191.750	0.00	0.02	0.209	O					0.75
191.833	0.00	0.02	0.209	O					0.75
191.917	0.00	0.02	0.208	O					0.75
192.000	0.00	0.02	0.208	O					0.75
192.083	0.00	0.02	0.208	O					0.75
192.167	0.00	0.02	0.208	O					0.74
192.250	0.00	0.02	0.208	O					0.74
192.333	0.00	0.02	0.208	O					0.74
192.417	0.00	0.02	0.208	O					0.74
192.500	0.00	0.02	0.207	O					0.74
192.583	0.00	0.02	0.207	O					0.74
192.667	0.00	0.02	0.207	O					0.74
192.750	0.00	0.02	0.207	O					0.74
192.833	0.00	0.02	0.207	O					0.74
192.917	0.00	0.02	0.207	O					0.74
193.000	0.00	0.02	0.207	O					0.74
193.083	0.00	0.02	0.206	O					0.74
193.167	0.00	0.02	0.206	O					0.74
193.250	0.00	0.02	0.206	O					0.74
193.333	0.00	0.02	0.206	O					0.74
193.417	0.00	0.02	0.206	O					0.74
193.500	0.00	0.02	0.206	O					0.74
193.583	0.00	0.02	0.206	O					0.74
193.667	0.00	0.02	0.205	O					0.74
193.750	0.00	0.02	0.205	O					0.73
193.833	0.00	0.02	0.205	O					0.73
193.917	0.00	0.02	0.205	O					0.73
194.000	0.00	0.02	0.205	O					0.73
194.083	0.00	0.02	0.205	O					0.73
194.167	0.00	0.02	0.205	O					0.73
194.250	0.00	0.02	0.204	O					0.73
194.333	0.00	0.02	0.204	O					0.73
194.417	0.00	0.02	0.204	O					0.73
194.500	0.00	0.02	0.204	O					0.73
194.583	0.00	0.02	0.204	O					0.73
194.667	0.00	0.02	0.204	O					0.73
194.750	0.00	0.02	0.204	O					0.73
194.833	0.00	0.02	0.203	O					0.73

194.917	0.00	0.02	0.203	O					0.73
195.000	0.00	0.02	0.203	O					0.73
195.083	0.00	0.02	0.203	O					0.73
195.167	0.00	0.02	0.203	O					0.73
195.250	0.00	0.02	0.203	O					0.73
195.333	0.00	0.02	0.203	O					0.73
195.417	0.00	0.02	0.203	O					0.73
195.500	0.00	0.02	0.202	O					0.72
195.583	0.00	0.02	0.202	O					0.72
195.667	0.00	0.02	0.202	O					0.72
195.750	0.00	0.02	0.202	O					0.72
195.833	0.00	0.02	0.202	O					0.72
195.917	0.00	0.02	0.202	O					0.72
196.000	0.00	0.02	0.202	O					0.72
196.083	0.00	0.02	0.201	O					0.72
196.167	0.00	0.02	0.201	O					0.72
196.250	0.00	0.02	0.201	O					0.72
196.333	0.00	0.02	0.201	O					0.72
196.417	0.00	0.02	0.201	O					0.72
196.500	0.00	0.02	0.201	O					0.72
196.583	0.00	0.02	0.201	O					0.72
196.667	0.00	0.02	0.200	O					0.72
196.750	0.00	0.02	0.200	O					0.72
196.833	0.00	0.02	0.200	O					0.72
196.917	0.00	0.02	0.200	O					0.72
197.000	0.00	0.02	0.200	O					0.72
197.083	0.00	0.02	0.200	O					0.72
197.167	0.00	0.02	0.200	O					0.71
197.250	0.00	0.02	0.199	O					0.71
197.333	0.00	0.02	0.199	O					0.71
197.417	0.00	0.02	0.199	O					0.71
197.500	0.00	0.02	0.199	O					0.71
197.583	0.00	0.02	0.199	O					0.71
197.667	0.00	0.02	0.199	O					0.71
197.750	0.00	0.02	0.199	O					0.71
197.833	0.00	0.02	0.199	O					0.71
197.917	0.00	0.02	0.198	O					0.71
198.000	0.00	0.02	0.198	O					0.71
198.083	0.00	0.02	0.198	O					0.71
198.167	0.00	0.02	0.198	O					0.71
198.250	0.00	0.02	0.198	O					0.71
198.333	0.00	0.02	0.198	O					0.71
198.417	0.00	0.02	0.198	O					0.71
198.500	0.00	0.02	0.197	O					0.71
198.583	0.00	0.02	0.197	O					0.71
198.667	0.00	0.02	0.197	O					0.71
198.750	0.00	0.02	0.197	O					0.71
198.833	0.00	0.02	0.197	O					0.71
198.917	0.00	0.02	0.197	O					0.70
199.000	0.00	0.02	0.197	O					0.70
199.083	0.00	0.02	0.197	O					0.70
199.167	0.00	0.02	0.196	O					0.70
199.250	0.00	0.02	0.196	O					0.70
199.333	0.00	0.02	0.196	O					0.70
199.417	0.00	0.02	0.196	O					0.70
199.500	0.00	0.02	0.196	O					0.70
199.583	0.00	0.02	0.196	O					0.70
199.667	0.00	0.02	0.196	O					0.70
199.750	0.00	0.02	0.195	O					0.70
199.833	0.00	0.02	0.195	O					0.70
199.917	0.00	0.02	0.195	O					0.70
200.000	0.00	0.02	0.195	O					0.70
200.083	0.00	0.02	0.195	O					0.70
200.167	0.00	0.02	0.195	O					0.70
200.250	0.00	0.02	0.195	O					0.70
200.333	0.00	0.02	0.195	O					0.70
200.417	0.00	0.02	0.194	O					0.70
200.500	0.00	0.02	0.194	O					0.70
200.583	0.00	0.02	0.194	O					0.70
200.667	0.00	0.02	0.194	O					0.69
200.750	0.00	0.02	0.194	O					0.69
200.833	0.00	0.02	0.194	O					0.69
200.917	0.00	0.02	0.194	O					0.69

201.000	0.00	0.02	0.193	O	|	|	|	|	0.69
201.083	0.00	0.02	0.193	O	|	|	|	|	0.69
201.167	0.00	0.02	0.193	O	|	|	|	|	0.69
201.250	0.00	0.02	0.193	O	|	|	|	|	0.69
201.333	0.00	0.02	0.193	O	|	|	|	|	0.69
201.417	0.00	0.02	0.193	O	|	|	|	|	0.69
201.500	0.00	0.02	0.193	O	|	|	|	|	0.69
201.583	0.00	0.02	0.193	O	|	|	|	|	0.69
201.667	0.00	0.02	0.192	O	|	|	|	|	0.69
201.750	0.00	0.02	0.192	O	|	|	|	|	0.69
201.833	0.00	0.02	0.192	O	|	|	|	|	0.69
201.917	0.00	0.02	0.192	O	|	|	|	|	0.69
202.000	0.00	0.02	0.192	O	|	|	|	|	0.69
202.083	0.00	0.02	0.192	O	|	|	|	|	0.69
202.167	0.00	0.02	0.192	O	|	|	|	|	0.69
202.250	0.00	0.02	0.192	O	|	|	|	|	0.69
202.333	0.00	0.02	0.191	O	|	|	|	|	0.69
202.417	0.00	0.02	0.191	O	|	|	|	|	0.68
202.500	0.00	0.02	0.191	O	|	|	|	|	0.68
202.583	0.00	0.02	0.191	O	|	|	|	|	0.68
202.667	0.00	0.02	0.191	O	|	|	|	|	0.68
202.750	0.00	0.02	0.191	O	|	|	|	|	0.68
202.833	0.00	0.02	0.191	O	|	|	|	|	0.68
202.917	0.00	0.02	0.190	O	|	|	|	|	0.68
203.000	0.00	0.02	0.190	O	|	|	|	|	0.68
203.083	0.00	0.02	0.190	O	|	|	|	|	0.68
203.167	0.00	0.02	0.190	O	|	|	|	|	0.68
203.250	0.00	0.02	0.190	O	|	|	|	|	0.68
203.333	0.00	0.02	0.190	O	|	|	|	|	0.68
203.417	0.00	0.02	0.190	O	|	|	|	|	0.68
203.500	0.00	0.02	0.190	O	|	|	|	|	0.68
203.583	0.00	0.02	0.189	O	|	|	|	|	0.68
203.667	0.00	0.02	0.189	O	|	|	|	|	0.68
203.750	0.00	0.02	0.189	O	|	|	|	|	0.68
203.833	0.00	0.02	0.189	O	|	|	|	|	0.68
203.917	0.00	0.02	0.189	O	|	|	|	|	0.68
204.000	0.00	0.02	0.189	O	|	|	|	|	0.68
204.083	0.00	0.02	0.189	O	|	|	|	|	0.68
204.167	0.00	0.02	0.189	O	|	|	|	|	0.68
204.250	0.00	0.02	0.188	O	|	|	|	|	0.67
204.333	0.00	0.02	0.188	O	|	|	|	|	0.67
204.417	0.00	0.02	0.188	O	|	|	|	|	0.67
204.500	0.00	0.02	0.188	O	|	|	|	|	0.67
204.583	0.00	0.02	0.188	O	|	|	|	|	0.67
204.667	0.00	0.02	0.188	O	|	|	|	|	0.67
204.750	0.00	0.02	0.188	O	|	|	|	|	0.67
204.833	0.00	0.02	0.188	O	|	|	|	|	0.67
204.917	0.00	0.02	0.187	O	|	|	|	|	0.67
205.000	0.00	0.02	0.187	O	|	|	|	|	0.67
205.083	0.00	0.02	0.187	O	|	|	|	|	0.67
205.167	0.00	0.02	0.187	O	|	|	|	|	0.67
205.250	0.00	0.02	0.187	O	|	|	|	|	0.67
205.333	0.00	0.02	0.187	O	|	|	|	|	0.67
205.417	0.00	0.02	0.187	O	|	|	|	|	0.67
205.500	0.00	0.02	0.187	O	|	|	|	|	0.67
205.583	0.00	0.02	0.186	O	|	|	|	|	0.67
205.667	0.00	0.02	0.186	O	|	|	|	|	0.67
205.750	0.00	0.02	0.186	O	|	|	|	|	0.67
205.833	0.00	0.02	0.186	O	|	|	|	|	0.67
205.917	0.00	0.02	0.186	O	|	|	|	|	0.67
206.000	0.00	0.02	0.186	O	|	|	|	|	0.67
206.083	0.00	0.02	0.186	O	|	|	|	|	0.66
206.167	0.00	0.02	0.185	O	|	|	|	|	0.66
206.250	0.00	0.02	0.185	O	|	|	|	|	0.66
206.333	0.00	0.02	0.185	O	|	|	|	|	0.66
206.417	0.00	0.02	0.185	O	|	|	|	|	0.66
206.500	0.00	0.02	0.185	O	|	|	|	|	0.66
206.583	0.00	0.02	0.185	O	|	|	|	|	0.66
206.667	0.00	0.02	0.185	O	|	|	|	|	0.66
206.750	0.00	0.02	0.185	O	|	|	|	|	0.66
206.833	0.00	0.02	0.184	O	|	|	|	|	0.66
206.917	0.00	0.02	0.184	O	|	|	|	|	0.66
207.000	0.00	0.02	0.184	O	|	|	|	|	0.66

207.083	0.00	0.02	0.184	O					0.66
207.167	0.00	0.02	0.184	O					0.66
207.250	0.00	0.02	0.184	O					0.66
207.333	0.00	0.02	0.184	O					0.66
207.417	0.00	0.02	0.184	O					0.66
207.500	0.00	0.02	0.183	O					0.66
207.583	0.00	0.02	0.183	O					0.66
207.667	0.00	0.02	0.183	O					0.66
207.750	0.00	0.02	0.183	O					0.66
207.833	0.00	0.02	0.183	O					0.66
207.917	0.00	0.02	0.183	O					0.65
208.000	0.00	0.02	0.183	O					0.65
208.083	0.00	0.02	0.183	O					0.65
208.167	0.00	0.02	0.182	O					0.65
208.250	0.00	0.02	0.182	O					0.65
208.333	0.00	0.02	0.182	O					0.65
208.417	0.00	0.02	0.182	O					0.65
208.500	0.00	0.02	0.182	O					0.65
208.583	0.00	0.02	0.182	O					0.65
208.667	0.00	0.02	0.182	O					0.65
208.750	0.00	0.02	0.182	O					0.65
208.833	0.00	0.02	0.182	O					0.65
208.917	0.00	0.02	0.181	O					0.65
209.000	0.00	0.02	0.181	O					0.65
209.083	0.00	0.02	0.181	O					0.65
209.167	0.00	0.02	0.181	O					0.65
209.250	0.00	0.02	0.181	O					0.65
209.333	0.00	0.02	0.181	O					0.65
209.417	0.00	0.02	0.181	O					0.65
209.500	0.00	0.02	0.181	O					0.65
209.583	0.00	0.02	0.180	O					0.65
209.667	0.00	0.02	0.180	O					0.65
209.750	0.00	0.02	0.180	O					0.64
209.833	0.00	0.02	0.180	O					0.64
209.917	0.00	0.02	0.180	O					0.64
210.000	0.00	0.02	0.180	O					0.64
210.083	0.00	0.02	0.180	O					0.64
210.167	0.00	0.02	0.180	O					0.64
210.250	0.00	0.02	0.179	O					0.64
210.333	0.00	0.02	0.179	O					0.64
210.417	0.00	0.02	0.179	O					0.64
210.500	0.00	0.02	0.179	O					0.64
210.583	0.00	0.02	0.179	O					0.64
210.667	0.00	0.02	0.179	O					0.64
210.750	0.00	0.02	0.179	O					0.64
210.833	0.00	0.02	0.179	O					0.64
210.917	0.00	0.02	0.178	O					0.64
211.000	0.00	0.02	0.178	O					0.64
211.083	0.00	0.02	0.178	O					0.64
211.167	0.00	0.02	0.178	O					0.64
211.250	0.00	0.02	0.178	O					0.64
211.333	0.00	0.02	0.178	O					0.64
211.417	0.00	0.02	0.178	O					0.64
211.500	0.00	0.02	0.178	O					0.64
211.583	0.00	0.02	0.177	O					0.64
211.667	0.00	0.02	0.177	O					0.63
211.750	0.00	0.02	0.177	O					0.63
211.833	0.00	0.02	0.177	O					0.63
211.917	0.00	0.02	0.177	O					0.63
212.000	0.00	0.02	0.177	O					0.63
212.083	0.00	0.02	0.177	O					0.63
212.167	0.00	0.02	0.177	O					0.63
212.250	0.00	0.02	0.177	O					0.63
212.333	0.00	0.02	0.176	O					0.63
212.417	0.00	0.02	0.176	O					0.63
212.500	0.00	0.02	0.176	O					0.63
212.583	0.00	0.02	0.176	O					0.63
212.667	0.00	0.02	0.176	O					0.63
212.750	0.00	0.02	0.176	O					0.63
212.833	0.00	0.02	0.176	O					0.63
212.917	0.00	0.02	0.176	O					0.63
213.000	0.00	0.02	0.175	O					0.63
213.083	0.00	0.02	0.175	O					0.63

213.167	0.00	0.02	0.175	O	|	|	|	|	0.63
213.250	0.00	0.02	0.175	O	|	|	|	|	0.63
213.333	0.00	0.02	0.175	O	|	|	|	|	0.63
213.417	0.00	0.02	0.175	O	|	|	|	|	0.63
213.500	0.00	0.02	0.175	O	|	|	|	|	0.63
213.583	0.00	0.02	0.175	O	|	|	|	|	0.63
213.667	0.00	0.02	0.174	O	|	|	|	|	0.62
213.750	0.00	0.02	0.174	O	|	|	|	|	0.62
213.833	0.00	0.02	0.174	O	|	|	|	|	0.62
213.917	0.00	0.02	0.174	O	|	|	|	|	0.62
214.000	0.00	0.02	0.174	O	|	|	|	|	0.62
214.083	0.00	0.02	0.174	O	|	|	|	|	0.62
214.167	0.00	0.02	0.174	O	|	|	|	|	0.62
214.250	0.00	0.02	0.174	O	|	|	|	|	0.62
214.333	0.00	0.02	0.174	O	|	|	|	|	0.62
214.417	0.00	0.02	0.173	O	|	|	|	|	0.62
214.500	0.00	0.02	0.173	O	|	|	|	|	0.62
214.583	0.00	0.02	0.173	O	|	|	|	|	0.62
214.667	0.00	0.02	0.173	O	|	|	|	|	0.62
214.750	0.00	0.02	0.173	O	|	|	|	|	0.62
214.833	0.00	0.02	0.173	O	|	|	|	|	0.62
214.917	0.00	0.02	0.173	O	|	|	|	|	0.62
215.000	0.00	0.02	0.173	O	|	|	|	|	0.62
215.083	0.00	0.02	0.172	O	|	|	|	|	0.62
215.167	0.00	0.02	0.172	O	|	|	|	|	0.62
215.250	0.00	0.02	0.172	O	|	|	|	|	0.62
215.333	0.00	0.02	0.172	O	|	|	|	|	0.62
215.417	0.00	0.02	0.172	O	|	|	|	|	0.62
215.500	0.00	0.02	0.172	O	|	|	|	|	0.62
215.583	0.00	0.02	0.172	O	|	|	|	|	0.61
215.667	0.00	0.02	0.172	O	|	|	|	|	0.61
215.750	0.00	0.02	0.172	O	|	|	|	|	0.61
215.833	0.00	0.02	0.171	O	|	|	|	|	0.61
215.917	0.00	0.02	0.171	O	|	|	|	|	0.61
216.000	0.00	0.02	0.171	O	|	|	|	|	0.61
216.083	0.00	0.02	0.171	O	|	|	|	|	0.61
216.167	0.00	0.02	0.171	O	|	|	|	|	0.61
216.250	0.00	0.02	0.171	O	|	|	|	|	0.61
216.333	0.00	0.02	0.171	O	|	|	|	|	0.61
216.417	0.00	0.02	0.171	O	|	|	|	|	0.61
216.500	0.00	0.02	0.170	O	|	|	|	|	0.61
216.583	0.00	0.02	0.170	O	|	|	|	|	0.61
216.667	0.00	0.02	0.170	O	|	|	|	|	0.61
216.750	0.00	0.02	0.170	O	|	|	|	|	0.61
216.833	0.00	0.02	0.170	O	|	|	|	|	0.61
216.917	0.00	0.02	0.170	O	|	|	|	|	0.61
217.000	0.00	0.02	0.170	O	|	|	|	|	0.61
217.083	0.00	0.02	0.170	O	|	|	|	|	0.61
217.167	0.00	0.02	0.170	O	|	|	|	|	0.61
217.250	0.00	0.02	0.169	O	|	|	|	|	0.61
217.333	0.00	0.02	0.169	O	|	|	|	|	0.61
217.417	0.00	0.02	0.169	O	|	|	|	|	0.61
217.500	0.00	0.02	0.169	O	|	|	|	|	0.61
217.583	0.00	0.02	0.169	O	|	|	|	|	0.61
217.667	0.00	0.02	0.169	O	|	|	|	|	0.60
217.750	0.00	0.02	0.169	O	|	|	|	|	0.60
217.833	0.00	0.02	0.169	O	|	|	|	|	0.60
217.917	0.00	0.02	0.169	O	|	|	|	|	0.60
218.000	0.00	0.02	0.168	O	|	|	|	|	0.60
218.083	0.00	0.02	0.168	O	|	|	|	|	0.60
218.167	0.00	0.02	0.168	O	|	|	|	|	0.60
218.250	0.00	0.02	0.168	O	|	|	|	|	0.60
218.333	0.00	0.02	0.168	O	|	|	|	|	0.60
218.417	0.00	0.02	0.168	O	|	|	|	|	0.60
218.500	0.00	0.02	0.168	O	|	|	|	|	0.60
218.583	0.00	0.02	0.168	O	|	|	|	|	0.60
218.667	0.00	0.02	0.168	O	|	|	|	|	0.60
218.750	0.00	0.02	0.167	O	|	|	|	|	0.60
218.833	0.00	0.02	0.167	O	|	|	|	|	0.60
218.917	0.00	0.02	0.167	O	|	|	|	|	0.60
219.000	0.00	0.02	0.167	O	|	|	|	|	0.60
219.083	0.00	0.02	0.167	O	|	|	|	|	0.60
219.167	0.00	0.02	0.167	O	|	|	|	|	0.60

219.250	0.00	0.02	0.167	O	|	|	|	|	0.60
219.333	0.00	0.02	0.167	O	|	|	|	|	0.60
219.417	0.00	0.02	0.166	O	|	|	|	|	0.60
219.500	0.00	0.02	0.166	O	|	|	|	|	0.60
219.583	0.00	0.02	0.166	O	|	|	|	|	0.60
219.667	0.00	0.02	0.166	O	|	|	|	|	0.59
219.750	0.00	0.02	0.166	O	|	|	|	|	0.59
219.833	0.00	0.02	0.166	O	|	|	|	|	0.59
219.917	0.00	0.02	0.166	O	|	|	|	|	0.59
220.000	0.00	0.02	0.166	O	|	|	|	|	0.59
220.083	0.00	0.02	0.166	O	|	|	|	|	0.59
220.167	0.00	0.02	0.165	O	|	|	|	|	0.59
220.250	0.00	0.02	0.165	O	|	|	|	|	0.59
220.333	0.00	0.02	0.165	O	|	|	|	|	0.59
220.417	0.00	0.02	0.165	O	|	|	|	|	0.59
220.500	0.00	0.02	0.165	O	|	|	|	|	0.59
220.583	0.00	0.02	0.165	O	|	|	|	|	0.59
220.667	0.00	0.02	0.165	O	|	|	|	|	0.59
220.750	0.00	0.02	0.165	O	|	|	|	|	0.59
220.833	0.00	0.02	0.165	O	|	|	|	|	0.59
220.917	0.00	0.02	0.164	O	|	|	|	|	0.59
221.000	0.00	0.02	0.164	O	|	|	|	|	0.59
221.083	0.00	0.02	0.164	O	|	|	|	|	0.59
221.167	0.00	0.02	0.164	O	|	|	|	|	0.59
221.250	0.00	0.02	0.164	O	|	|	|	|	0.59
221.333	0.00	0.02	0.164	O	|	|	|	|	0.59
221.417	0.00	0.02	0.164	O	|	|	|	|	0.59
221.500	0.00	0.02	0.164	O	|	|	|	|	0.59
221.583	0.00	0.02	0.164	O	|	|	|	|	0.59
221.667	0.00	0.02	0.163	O	|	|	|	|	0.59
221.750	0.00	0.02	0.163	O	|	|	|	|	0.58
221.833	0.00	0.02	0.163	O	|	|	|	|	0.58
221.917	0.00	0.02	0.163	O	|	|	|	|	0.58
222.000	0.00	0.02	0.163	O	|	|	|	|	0.58
222.083	0.00	0.02	0.163	O	|	|	|	|	0.58
222.167	0.00	0.02	0.163	O	|	|	|	|	0.58
222.250	0.00	0.02	0.163	O	|	|	|	|	0.58
222.333	0.00	0.02	0.163	O	|	|	|	|	0.58
222.417	0.00	0.02	0.162	O	|	|	|	|	0.58
222.500	0.00	0.02	0.162	O	|	|	|	|	0.58
222.583	0.00	0.02	0.162	O	|	|	|	|	0.58
222.667	0.00	0.02	0.162	O	|	|	|	|	0.58
222.750	0.00	0.02	0.162	O	|	|	|	|	0.58
222.833	0.00	0.02	0.162	O	|	|	|	|	0.58
222.917	0.00	0.02	0.162	O	|	|	|	|	0.58
223.000	0.00	0.02	0.162	O	|	|	|	|	0.58
223.083	0.00	0.02	0.162	O	|	|	|	|	0.58
223.167	0.00	0.02	0.161	O	|	|	|	|	0.58
223.250	0.00	0.02	0.161	O	|	|	|	|	0.58
223.333	0.00	0.02	0.161	O	|	|	|	|	0.58
223.417	0.00	0.02	0.161	O	|	|	|	|	0.58
223.500	0.00	0.02	0.161	O	|	|	|	|	0.58
223.583	0.00	0.02	0.161	O	|	|	|	|	0.58
223.667	0.00	0.02	0.161	O	|	|	|	|	0.58
223.750	0.00	0.02	0.161	O	|	|	|	|	0.58
223.833	0.00	0.02	0.161	O	|	|	|	|	0.57
223.917	0.00	0.02	0.160	O	|	|	|	|	0.57
224.000	0.00	0.02	0.160	O	|	|	|	|	0.57
224.083	0.00	0.02	0.160	O	|	|	|	|	0.57
224.167	0.00	0.02	0.160	O	|	|	|	|	0.57
224.250	0.00	0.02	0.160	O	|	|	|	|	0.57
224.333	0.00	0.02	0.160	O	|	|	|	|	0.57
224.417	0.00	0.02	0.160	O	|	|	|	|	0.57
224.500	0.00	0.02	0.160	O	|	|	|	|	0.57
224.583	0.00	0.02	0.160	O	|	|	|	|	0.57
224.667	0.00	0.02	0.159	O	|	|	|	|	0.57
224.750	0.00	0.02	0.159	O	|	|	|	|	0.57
224.833	0.00	0.02	0.159	O	|	|	|	|	0.57
224.917	0.00	0.02	0.159	O	|	|	|	|	0.57
225.000	0.00	0.02	0.159	O	|	|	|	|	0.57
225.083	0.00	0.02	0.159	O	|	|	|	|	0.57
225.167	0.00	0.02	0.159	O	|	|	|	|	0.57
225.250	0.00	0.02	0.159	O	|	|	|	|	0.57

225.333	0.00	0.02	0.159	O					0.57
225.417	0.00	0.02	0.159	O					0.57
225.500	0.00	0.02	0.158	O					0.57
225.583	0.00	0.02	0.158	O					0.57
225.667	0.00	0.02	0.158	O					0.57
225.750	0.00	0.02	0.158	O					0.57
225.833	0.00	0.02	0.158	O					0.57
225.917	0.00	0.02	0.158	O					0.57
226.000	0.00	0.02	0.158	O					0.56
226.083	0.00	0.02	0.158	O					0.56
226.167	0.00	0.02	0.158	O					0.56
226.250	0.00	0.02	0.157	O					0.56
226.333	0.00	0.02	0.157	O					0.56
226.417	0.00	0.02	0.157	O					0.56
226.500	0.00	0.02	0.157	O					0.56
226.583	0.00	0.02	0.157	O					0.56
226.667	0.00	0.02	0.157	O					0.56
226.750	0.00	0.02	0.157	O					0.56
226.833	0.00	0.02	0.157	O					0.56
226.917	0.00	0.02	0.157	O					0.56
227.000	0.00	0.02	0.156	O					0.56
227.083	0.00	0.02	0.156	O					0.56
227.167	0.00	0.02	0.156	O					0.56
227.250	0.00	0.02	0.156	O					0.56
227.333	0.00	0.02	0.156	O					0.56
227.417	0.00	0.02	0.156	O					0.56
227.500	0.00	0.02	0.156	O					0.56
227.583	0.00	0.02	0.156	O					0.56
227.667	0.00	0.02	0.156	O					0.56
227.750	0.00	0.02	0.156	O					0.56
227.833	0.00	0.02	0.155	O					0.56
227.917	0.00	0.02	0.155	O					0.56
228.000	0.00	0.02	0.155	O					0.56
228.083	0.00	0.02	0.155	O					0.56
228.167	0.00	0.02	0.155	O					0.55
228.250	0.00	0.02	0.155	O					0.55
228.333	0.00	0.02	0.155	O					0.55
228.417	0.00	0.02	0.155	O					0.55
228.500	0.00	0.02	0.155	O					0.55
228.583	0.00	0.02	0.154	O					0.55
228.667	0.00	0.02	0.154	O					0.55
228.750	0.00	0.02	0.154	O					0.55
228.833	0.00	0.02	0.154	O					0.55
228.917	0.00	0.02	0.154	O					0.55
229.000	0.00	0.02	0.154	O					0.55
229.083	0.00	0.02	0.154	O					0.55
229.167	0.00	0.02	0.154	O					0.55
229.250	0.00	0.02	0.154	O					0.55
229.333	0.00	0.02	0.154	O					0.55
229.417	0.00	0.02	0.153	O					0.55
229.500	0.00	0.02	0.153	O					0.55
229.583	0.00	0.02	0.153	O					0.55
229.667	0.00	0.02	0.153	O					0.55
229.750	0.00	0.02	0.153	O					0.55
229.833	0.00	0.02	0.153	O					0.55
229.917	0.00	0.02	0.153	O					0.55
230.000	0.00	0.02	0.153	O					0.55
230.083	0.00	0.02	0.153	O					0.55
230.167	0.00	0.02	0.152	O					0.55
230.250	0.00	0.02	0.152	O					0.55
230.333	0.00	0.02	0.152	O					0.55
230.417	0.00	0.02	0.152	O					0.54
230.500	0.00	0.02	0.152	O					0.54
230.583	0.00	0.02	0.152	O					0.54
230.667	0.00	0.01	0.152	O					0.54
230.750	0.00	0.01	0.152	O					0.54
230.833	0.00	0.01	0.152	O					0.54
230.917	0.00	0.01	0.152	O					0.54
231.000	0.00	0.01	0.151	O					0.54
231.083	0.00	0.01	0.151	O					0.54
231.167	0.00	0.01	0.151	O					0.54
231.250	0.00	0.01	0.151	O					0.54
231.333	0.00	0.01	0.151	O					0.54

231.417	0.00	0.01	0.151	O	|	|	|	|	0.54
231.500	0.00	0.01	0.151	O	|	|	|	|	0.54
231.583	0.00	0.01	0.151	O	|	|	|	|	0.54
231.667	0.00	0.01	0.151	O	|	|	|	|	0.54
231.750	0.00	0.01	0.151	O	|	|	|	|	0.54
231.833	0.00	0.01	0.150	O	|	|	|	|	0.54
231.917	0.00	0.01	0.150	O	|	|	|	|	0.54
232.000	0.00	0.01	0.150	O	|	|	|	|	0.54
232.083	0.00	0.01	0.150	O	|	|	|	|	0.54
232.167	0.00	0.01	0.150	O	|	|	|	|	0.54
232.250	0.00	0.01	0.150	O	|	|	|	|	0.54
232.333	0.00	0.01	0.150	O	|	|	|	|	0.54
232.417	0.00	0.01	0.150	O	|	|	|	|	0.54
232.500	0.00	0.01	0.150	O	|	|	|	|	0.54
232.583	0.00	0.01	0.150	O	|	|	|	|	0.54
232.667	0.00	0.01	0.149	O	|	|	|	|	0.53
232.750	0.00	0.01	0.149	O	|	|	|	|	0.53
232.833	0.00	0.01	0.149	O	|	|	|	|	0.53
232.917	0.00	0.01	0.149	O	|	|	|	|	0.53
233.000	0.00	0.01	0.149	O	|	|	|	|	0.53
233.083	0.00	0.01	0.149	O	|	|	|	|	0.53
233.167	0.00	0.01	0.149	O	|	|	|	|	0.53
233.250	0.00	0.01	0.149	O	|	|	|	|	0.53
233.333	0.00	0.01	0.149	O	|	|	|	|	0.53
233.417	0.00	0.01	0.149	O	|	|	|	|	0.53
233.500	0.00	0.01	0.148	O	|	|	|	|	0.53
233.583	0.00	0.01	0.148	O	|	|	|	|	0.53
233.667	0.00	0.01	0.148	O	|	|	|	|	0.53
233.750	0.00	0.01	0.148	O	|	|	|	|	0.53
233.833	0.00	0.01	0.148	O	|	|	|	|	0.53
233.917	0.00	0.01	0.148	O	|	|	|	|	0.53
234.000	0.00	0.01	0.148	O	|	|	|	|	0.53
234.083	0.00	0.01	0.148	O	|	|	|	|	0.53
234.167	0.00	0.01	0.148	O	|	|	|	|	0.53
234.250	0.00	0.01	0.147	O	|	|	|	|	0.53
234.333	0.00	0.01	0.147	O	|	|	|	|	0.53
234.417	0.00	0.01	0.147	O	|	|	|	|	0.53
234.500	0.00	0.01	0.147	O	|	|	|	|	0.53
234.583	0.00	0.01	0.147	O	|	|	|	|	0.53
234.667	0.00	0.01	0.147	O	|	|	|	|	0.53
234.750	0.00	0.01	0.147	O	|	|	|	|	0.53
234.833	0.00	0.01	0.147	O	|	|	|	|	0.53
234.917	0.00	0.01	0.147	O	|	|	|	|	0.53
235.000	0.00	0.01	0.147	O	|	|	|	|	0.52
235.083	0.00	0.01	0.146	O	|	|	|	|	0.52
235.167	0.00	0.01	0.146	O	|	|	|	|	0.52
235.250	0.00	0.01	0.146	O	|	|	|	|	0.52
235.333	0.00	0.01	0.146	O	|	|	|	|	0.52
235.417	0.00	0.01	0.146	O	|	|	|	|	0.52
235.500	0.00	0.01	0.146	O	|	|	|	|	0.52
235.583	0.00	0.01	0.146	O	|	|	|	|	0.52
235.667	0.00	0.01	0.146	O	|	|	|	|	0.52
235.750	0.00	0.01	0.146	O	|	|	|	|	0.52
235.833	0.00	0.01	0.146	O	|	|	|	|	0.52
235.917	0.00	0.01	0.146	O	|	|	|	|	0.52
236.000	0.00	0.01	0.145	O	|	|	|	|	0.52
236.083	0.00	0.01	0.145	O	|	|	|	|	0.52
236.167	0.00	0.01	0.145	O	|	|	|	|	0.52
236.250	0.00	0.01	0.145	O	|	|	|	|	0.52
236.333	0.00	0.01	0.145	O	|	|	|	|	0.52
236.417	0.00	0.01	0.145	O	|	|	|	|	0.52
236.500	0.00	0.01	0.145	O	|	|	|	|	0.52
236.583	0.00	0.01	0.145	O	|	|	|	|	0.52
236.667	0.00	0.01	0.145	O	|	|	|	|	0.52
236.750	0.00	0.01	0.145	O	|	|	|	|	0.52
236.833	0.00	0.01	0.144	O	|	|	|	|	0.52
236.917	0.00	0.01	0.144	O	|	|	|	|	0.52
237.000	0.00	0.01	0.144	O	|	|	|	|	0.52
237.083	0.00	0.01	0.144	O	|	|	|	|	0.52
237.167	0.00	0.01	0.144	O	|	|	|	|	0.52
237.250	0.00	0.01	0.144	O	|	|	|	|	0.52
237.333	0.00	0.01	0.144	O	|	|	|	|	0.51
237.417	0.00	0.01	0.144	O	|	|	|	|	0.51

237.500	0.00	0.01	0.144	O	|	|	|	|	0.51
237.583	0.00	0.01	0.144	O	|	|	|	|	0.51
237.667	0.00	0.01	0.143	O	|	|	|	|	0.51
237.750	0.00	0.01	0.143	O	|	|	|	|	0.51
237.833	0.00	0.01	0.143	O	|	|	|	|	0.51
237.917	0.00	0.01	0.143	O	|	|	|	|	0.51
238.000	0.00	0.01	0.143	O	|	|	|	|	0.51
238.083	0.00	0.01	0.143	O	|	|	|	|	0.51
238.167	0.00	0.01	0.143	O	|	|	|	|	0.51
238.250	0.00	0.01	0.143	O	|	|	|	|	0.51
238.333	0.00	0.01	0.143	O	|	|	|	|	0.51
238.417	0.00	0.01	0.143	O	|	|	|	|	0.51
238.500	0.00	0.01	0.142	O	|	|	|	|	0.51
238.583	0.00	0.01	0.142	O	|	|	|	|	0.51
238.667	0.00	0.01	0.142	O	|	|	|	|	0.51
238.750	0.00	0.01	0.142	O	|	|	|	|	0.51
238.833	0.00	0.01	0.142	O	|	|	|	|	0.51
238.917	0.00	0.01	0.142	O	|	|	|	|	0.51
239.000	0.00	0.01	0.142	O	|	|	|	|	0.51
239.083	0.00	0.01	0.142	O	|	|	|	|	0.51
239.167	0.00	0.01	0.142	O	|	|	|	|	0.51
239.250	0.00	0.01	0.142	O	|	|	|	|	0.51
239.333	0.00	0.01	0.142	O	|	|	|	|	0.51
239.417	0.00	0.01	0.141	O	|	|	|	|	0.51
239.500	0.00	0.01	0.141	O	|	|	|	|	0.51
239.583	0.00	0.01	0.141	O	|	|	|	|	0.51
239.667	0.00	0.01	0.141	O	|	|	|	|	0.51
239.750	0.00	0.01	0.141	O	|	|	|	|	0.50
239.833	0.00	0.01	0.141	O	|	|	|	|	0.50
239.917	0.00	0.01	0.141	O	|	|	|	|	0.50
240.000	0.00	0.01	0.141	O	|	|	|	|	0.50
240.083	0.00	0.01	0.141	O	|	|	|	|	0.50
240.167	0.00	0.01	0.141	O	|	|	|	|	0.50
240.250	0.00	0.01	0.140	O	|	|	|	|	0.50
240.333	0.00	0.01	0.140	O	|	|	|	|	0.50
240.417	0.00	0.01	0.140	O	|	|	|	|	0.50
240.500	0.00	0.01	0.140	O	|	|	|	|	0.50
240.583	0.00	0.01	0.140	O	|	|	|	|	0.50
240.667	0.00	0.01	0.140	O	|	|	|	|	0.50
240.750	0.00	0.01	0.140	O	|	|	|	|	0.50
240.833	0.00	0.01	0.140	O	|	|	|	|	0.50
240.917	0.00	0.01	0.140	O	|	|	|	|	0.50
241.000	0.00	0.01	0.140	O	|	|	|	|	0.50
241.083	0.00	0.01	0.139	O	|	|	|	|	0.50
241.167	0.00	0.01	0.139	O	|	|	|	|	0.50
241.250	0.00	0.01	0.139	O	|	|	|	|	0.50
241.333	0.00	0.01	0.139	O	|	|	|	|	0.50
241.417	0.00	0.01	0.139	O	|	|	|	|	0.50
241.500	0.00	0.01	0.139	O	|	|	|	|	0.50
241.583	0.00	0.01	0.139	O	|	|	|	|	0.50
241.667	0.00	0.01	0.139	O	|	|	|	|	0.50
241.750	0.00	0.01	0.139	O	|	|	|	|	0.50
241.833	0.00	0.01	0.139	O	|	|	|	|	0.50
241.917	0.00	0.01	0.139	O	|	|	|	|	0.50
242.000	0.00	0.01	0.138	O	|	|	|	|	0.50
242.083	0.00	0.01	0.138	O	|	|	|	|	0.50
242.167	0.00	0.01	0.138	O	|	|	|	|	0.50
242.250	0.00	0.01	0.138	O	|	|	|	|	0.49
242.333	0.00	0.01	0.138	O	|	|	|	|	0.49
242.417	0.00	0.01	0.138	O	|	|	|	|	0.49
242.500	0.00	0.01	0.138	O	|	|	|	|	0.49
242.583	0.00	0.01	0.138	O	|	|	|	|	0.49
242.667	0.00	0.01	0.138	O	|	|	|	|	0.49
242.750	0.00	0.01	0.138	O	|	|	|	|	0.49
242.833	0.00	0.01	0.138	O	|	|	|	|	0.49
242.917	0.00	0.01	0.137	O	|	|	|	|	0.49
243.000	0.00	0.01	0.137	O	|	|	|	|	0.49
243.083	0.00	0.01	0.137	O	|	|	|	|	0.49
243.167	0.00	0.01	0.137	O	|	|	|	|	0.49
243.250	0.00	0.01	0.137	O	|	|	|	|	0.49
243.333	0.00	0.01	0.137	O	|	|	|	|	0.49
243.417	0.00	0.01	0.137	O	|	|	|	|	0.49
243.500	0.00	0.01	0.137	O	|	|	|	|	0.49

243.583	0.00	0.01	0.137	O					0.49
243.667	0.00	0.01	0.137	O					0.49
243.750	0.00	0.01	0.136	O					0.49
243.833	0.00	0.01	0.136	O					0.49
243.917	0.00	0.01	0.136	O					0.49
244.000	0.00	0.01	0.136	O					0.49
244.083	0.00	0.01	0.136	O					0.49
244.167	0.00	0.01	0.136	O					0.49
244.250	0.00	0.01	0.136	O					0.49
244.333	0.00	0.01	0.136	O					0.49
244.417	0.00	0.01	0.136	O					0.49
244.500	0.00	0.01	0.136	O					0.49
244.583	0.00	0.01	0.136	O					0.49
244.667	0.00	0.01	0.135	O					0.49
244.750	0.00	0.01	0.135	O					0.48
244.833	0.00	0.01	0.135	O					0.48
244.917	0.00	0.01	0.135	O					0.48
245.000	0.00	0.01	0.135	O					0.48
245.083	0.00	0.01	0.135	O					0.48
245.167	0.00	0.01	0.135	O					0.48
245.250	0.00	0.01	0.135	O					0.48
245.333	0.00	0.01	0.135	O					0.48
245.417	0.00	0.01	0.135	O					0.48
245.500	0.00	0.01	0.135	O					0.48
245.583	0.00	0.01	0.134	O					0.48
245.667	0.00	0.01	0.134	O					0.48
245.750	0.00	0.01	0.134	O					0.48
245.833	0.00	0.01	0.134	O					0.48
245.917	0.00	0.01	0.134	O					0.48
246.000	0.00	0.01	0.134	O					0.48
246.083	0.00	0.01	0.134	O					0.48
246.167	0.00	0.01	0.134	O					0.48
246.250	0.00	0.01	0.134	O					0.48
246.333	0.00	0.01	0.134	O					0.48
246.417	0.00	0.01	0.134	O					0.48
246.500	0.00	0.01	0.133	O					0.48
246.583	0.00	0.01	0.133	O					0.48
246.667	0.00	0.01	0.133	O					0.48
246.750	0.00	0.01	0.133	O					0.48
246.833	0.00	0.01	0.133	O					0.48
246.917	0.00	0.01	0.133	O					0.48
247.000	0.00	0.01	0.133	O					0.48
247.083	0.00	0.01	0.133	O					0.48
247.167	0.00	0.01	0.133	O					0.48
247.250	0.00	0.01	0.133	O					0.47
247.333	0.00	0.01	0.133	O					0.47
247.417	0.00	0.01	0.132	O					0.47
247.500	0.00	0.01	0.132	O					0.47
247.583	0.00	0.01	0.132	O					0.47
247.667	0.00	0.01	0.132	O					0.47
247.750	0.00	0.01	0.132	O					0.47
247.833	0.00	0.01	0.132	O					0.47
247.917	0.00	0.01	0.132	O					0.47
248.000	0.00	0.01	0.132	O					0.47
248.083	0.00	0.01	0.132	O					0.47
248.167	0.00	0.01	0.132	O					0.47
248.250	0.00	0.01	0.132	O					0.47
248.333	0.00	0.01	0.131	O					0.47
248.417	0.00	0.01	0.131	O					0.47
248.500	0.00	0.01	0.131	O					0.47
248.583	0.00	0.01	0.131	O					0.47
248.667	0.00	0.01	0.131	O					0.47
248.750	0.00	0.01	0.131	O					0.47
248.833	0.00	0.01	0.131	O					0.47
248.917	0.00	0.01	0.131	O					0.47
249.000	0.00	0.01	0.131	O					0.47
249.083	0.00	0.01	0.131	O					0.47
249.167	0.00	0.01	0.131	O					0.47
249.250	0.00	0.01	0.130	O					0.47
249.333	0.00	0.01	0.130	O					0.47
249.417	0.00	0.01	0.130	O					0.47
249.500	0.00	0.01	0.130	O					0.47
249.583	0.00	0.01	0.130	O					0.47

249.667	0.00	0.01	0.130	O					0.47
249.750	0.00	0.01	0.130	O					0.47
249.833	0.00	0.01	0.130	O					0.46
249.917	0.00	0.01	0.130	O					0.46
250.000	0.00	0.01	0.130	O					0.46
250.083	0.00	0.01	0.130	O					0.46
250.167	0.00	0.01	0.130	O					0.46
250.250	0.00	0.01	0.129	O					0.46
250.333	0.00	0.01	0.129	O					0.46
250.417	0.00	0.01	0.129	O					0.46
250.500	0.00	0.01	0.129	O					0.46
250.583	0.00	0.01	0.129	O					0.46
250.667	0.00	0.01	0.129	O					0.46
250.750	0.00	0.01	0.129	O					0.46
250.833	0.00	0.01	0.129	O					0.46
250.917	0.00	0.01	0.129	O					0.46
251.000	0.00	0.01	0.129	O					0.46
251.083	0.00	0.01	0.129	O					0.46
251.167	0.00	0.01	0.128	O					0.46
251.250	0.00	0.01	0.128	O					0.46
251.333	0.00	0.01	0.128	O					0.46
251.417	0.00	0.01	0.128	O					0.46
251.500	0.00	0.01	0.128	O					0.46
251.583	0.00	0.01	0.128	O					0.46
251.667	0.00	0.01	0.128	O					0.46
251.750	0.00	0.01	0.128	O					0.46
251.833	0.00	0.01	0.128	O					0.46
251.917	0.00	0.01	0.128	O					0.46
252.000	0.00	0.01	0.128	O					0.46
252.083	0.00	0.01	0.128	O					0.46
252.167	0.00	0.01	0.127	O					0.46
252.250	0.00	0.01	0.127	O					0.46
252.333	0.00	0.01	0.127	O					0.46
252.417	0.00	0.01	0.127	O					0.46
252.500	0.00	0.01	0.127	O					0.45
252.583	0.00	0.01	0.127	O					0.45
252.667	0.00	0.01	0.127	O					0.45
252.750	0.00	0.01	0.127	O					0.45
252.833	0.00	0.01	0.127	O					0.45
252.917	0.00	0.01	0.127	O					0.45
253.000	0.00	0.01	0.127	O					0.45
253.083	0.00	0.01	0.126	O					0.45
253.167	0.00	0.01	0.126	O					0.45
253.250	0.00	0.01	0.126	O					0.45
253.333	0.00	0.01	0.126	O					0.45
253.417	0.00	0.01	0.126	O					0.45
253.500	0.00	0.01	0.126	O					0.45
253.583	0.00	0.01	0.126	O					0.45
253.667	0.00	0.01	0.126	O					0.45
253.750	0.00	0.01	0.126	O					0.45
253.833	0.00	0.01	0.126	O					0.45
253.917	0.00	0.01	0.126	O					0.45
254.000	0.00	0.01	0.126	O					0.45
254.083	0.00	0.01	0.125	O					0.45
254.167	0.00	0.01	0.125	O					0.45
254.250	0.00	0.01	0.125	O					0.45
254.333	0.00	0.01	0.125	O					0.45
254.417	0.00	0.01	0.125	O					0.45
254.500	0.00	0.01	0.125	O					0.45
254.583	0.00	0.01	0.125	O					0.45
254.667	0.00	0.01	0.125	O					0.45
254.750	0.00	0.01	0.125	O					0.45
254.833	0.00	0.01	0.125	O					0.45
254.917	0.00	0.01	0.125	O					0.45
255.000	0.00	0.01	0.125	O					0.45
255.083	0.00	0.01	0.124	O					0.45
255.167	0.00	0.01	0.124	O					0.45
255.250	0.00	0.01	0.124	O					0.44
255.333	0.00	0.01	0.124	O					0.44
255.417	0.00	0.01	0.124	O					0.44
255.500	0.00	0.01	0.124	O					0.44
255.583	0.00	0.01	0.124	O					0.44
255.667	0.00	0.01	0.124	O					0.44

255.750	0.00	0.01	0.124	O					0.44
255.833	0.00	0.01	0.124	O					0.44
255.917	0.00	0.01	0.124	O					0.44
256.000	0.00	0.01	0.124	O					0.44
256.083	0.00	0.01	0.123	O					0.44
256.167	0.00	0.01	0.123	O					0.44
256.250	0.00	0.01	0.123	O					0.44
256.333	0.00	0.01	0.123	O					0.44
256.417	0.00	0.01	0.123	O					0.44
256.500	0.00	0.01	0.123	O					0.44
256.583	0.00	0.01	0.123	O					0.44
256.667	0.00	0.01	0.123	O					0.44
256.750	0.00	0.01	0.123	O					0.44
256.833	0.00	0.01	0.123	O					0.44
256.917	0.00	0.01	0.123	O					0.44
257.000	0.00	0.01	0.122	O					0.44
257.083	0.00	0.01	0.122	O					0.44
257.167	0.00	0.01	0.122	O					0.44
257.250	0.00	0.01	0.122	O					0.44
257.333	0.00	0.01	0.122	O					0.44
257.417	0.00	0.01	0.122	O					0.44
257.500	0.00	0.01	0.122	O					0.44
257.583	0.00	0.01	0.122	O					0.44
257.667	0.00	0.01	0.122	O					0.44
257.750	0.00	0.01	0.122	O					0.44
257.833	0.00	0.01	0.122	O					0.44
257.917	0.00	0.01	0.122	O					0.44
258.000	0.00	0.01	0.122	O					0.44
258.083	0.00	0.01	0.121	O					0.43
258.167	0.00	0.01	0.121	O					0.43
258.250	0.00	0.01	0.121	O					0.43
258.333	0.00	0.01	0.121	O					0.43
258.417	0.00	0.01	0.121	O					0.43
258.500	0.00	0.01	0.121	O					0.43
258.583	0.00	0.01	0.121	O					0.43
258.667	0.00	0.01	0.121	O					0.43
258.750	0.00	0.01	0.121	O					0.43
258.833	0.00	0.01	0.121	O					0.43
258.917	0.00	0.01	0.121	O					0.43
259.000	0.00	0.01	0.121	O					0.43
259.083	0.00	0.01	0.120	O					0.43
259.167	0.00	0.01	0.120	O					0.43
259.250	0.00	0.01	0.120	O					0.43
259.333	0.00	0.01	0.120	O					0.43
259.417	0.00	0.01	0.120	O					0.43
259.500	0.00	0.01	0.120	O					0.43
259.583	0.00	0.01	0.120	O					0.43
259.667	0.00	0.01	0.120	O					0.43
259.750	0.00	0.01	0.120	O					0.43
259.833	0.00	0.01	0.120	O					0.43
259.917	0.00	0.01	0.120	O					0.43
260.000	0.00	0.01	0.120	O					0.43
260.083	0.00	0.01	0.119	O					0.43
260.167	0.00	0.01	0.119	O					0.43
260.250	0.00	0.01	0.119	O					0.43
260.333	0.00	0.01	0.119	O					0.43
260.417	0.00	0.01	0.119	O					0.43
260.500	0.00	0.01	0.119	O					0.43
260.583	0.00	0.01	0.119	O					0.43
260.667	0.00	0.01	0.119	O					0.43
260.750	0.00	0.01	0.119	O					0.43
260.833	0.00	0.01	0.119	O					0.43
260.917	0.00	0.01	0.119	O					0.42
261.000	0.00	0.01	0.119	O					0.42
261.083	0.00	0.01	0.118	O					0.42
261.167	0.00	0.01	0.118	O					0.42
261.250	0.00	0.01	0.118	O					0.42
261.333	0.00	0.01	0.118	O					0.42
261.417	0.00	0.01	0.118	O					0.42
261.500	0.00	0.01	0.118	O					0.42
261.583	0.00	0.01	0.118	O					0.42
261.667	0.00	0.01	0.118	O					0.42
261.750	0.00	0.01	0.118	O					0.42

261.833	0.00	0.01	0.118	O	|	|	|	|	0.42
261.917	0.00	0.01	0.118	O	|	|	|	|	0.42
262.000	0.00	0.01	0.118	O	|	|	|	|	0.42
262.083	0.00	0.01	0.118	O	|	|	|	|	0.42
262.167	0.00	0.01	0.117	O	|	|	|	|	0.42
262.250	0.00	0.01	0.117	O	|	|	|	|	0.42
262.333	0.00	0.01	0.117	O	|	|	|	|	0.42
262.417	0.00	0.01	0.117	O	|	|	|	|	0.42
262.500	0.00	0.01	0.117	O	|	|	|	|	0.42
262.583	0.00	0.01	0.117	O	|	|	|	|	0.42
262.667	0.00	0.01	0.117	O	|	|	|	|	0.42
262.750	0.00	0.01	0.117	O	|	|	|	|	0.42
262.833	0.00	0.01	0.117	O	|	|	|	|	0.42
262.917	0.00	0.01	0.117	O	|	|	|	|	0.42
263.000	0.00	0.01	0.117	O	|	|	|	|	0.42
263.083	0.00	0.01	0.117	O	|	|	|	|	0.42
263.167	0.00	0.01	0.116	O	|	|	|	|	0.42
263.250	0.00	0.01	0.116	O	|	|	|	|	0.42
263.333	0.00	0.01	0.116	O	|	|	|	|	0.42
263.417	0.00	0.01	0.116	O	|	|	|	|	0.42
263.500	0.00	0.01	0.116	O	|	|	|	|	0.42
263.583	0.00	0.01	0.116	O	|	|	|	|	0.42
263.667	0.00	0.01	0.116	O	|	|	|	|	0.42
263.750	0.00	0.01	0.116	O	|	|	|	|	0.42
263.833	0.00	0.01	0.116	O	|	|	|	|	0.41
263.917	0.00	0.01	0.116	O	|	|	|	|	0.41
264.000	0.00	0.01	0.116	O	|	|	|	|	0.41
264.083	0.00	0.01	0.116	O	|	|	|	|	0.41
264.167	0.00	0.01	0.116	O	|	|	|	|	0.41
264.250	0.00	0.01	0.115	O	|	|	|	|	0.41
264.333	0.00	0.01	0.115	O	|	|	|	|	0.41
264.417	0.00	0.01	0.115	O	|	|	|	|	0.41
264.500	0.00	0.01	0.115	O	|	|	|	|	0.41
264.583	0.00	0.01	0.115	O	|	|	|	|	0.41
264.667	0.00	0.01	0.115	O	|	|	|	|	0.41
264.750	0.00	0.01	0.115	O	|	|	|	|	0.41
264.833	0.00	0.01	0.115	O	|	|	|	|	0.41
264.917	0.00	0.01	0.115	O	|	|	|	|	0.41
265.000	0.00	0.01	0.115	O	|	|	|	|	0.41
265.083	0.00	0.01	0.115	O	|	|	|	|	0.41
265.167	0.00	0.01	0.115	O	|	|	|	|	0.41
265.250	0.00	0.01	0.115	O	|	|	|	|	0.41
265.333	0.00	0.01	0.114	O	|	|	|	|	0.41
265.417	0.00	0.01	0.114	O	|	|	|	|	0.41
265.500	0.00	0.01	0.114	O	|	|	|	|	0.41
265.583	0.00	0.01	0.114	O	|	|	|	|	0.41
265.667	0.00	0.01	0.114	O	|	|	|	|	0.41
265.750	0.00	0.01	0.114	O	|	|	|	|	0.41
265.833	0.00	0.01	0.114	O	|	|	|	|	0.41
265.917	0.00	0.01	0.114	O	|	|	|	|	0.41
266.000	0.00	0.01	0.114	O	|	|	|	|	0.41
266.083	0.00	0.01	0.114	O	|	|	|	|	0.41
266.167	0.00	0.01	0.114	O	|	|	|	|	0.41
266.250	0.00	0.01	0.114	O	|	|	|	|	0.41
266.333	0.00	0.01	0.114	O	|	|	|	|	0.41
266.417	0.00	0.01	0.113	O	|	|	|	|	0.41
266.500	0.00	0.01	0.113	O	|	|	|	|	0.41
266.583	0.00	0.01	0.113	O	|	|	|	|	0.41
266.667	0.00	0.01	0.113	O	|	|	|	|	0.41
266.750	0.00	0.01	0.113	O	|	|	|	|	0.41
266.833	0.00	0.01	0.113	O	|	|	|	|	0.40
266.917	0.00	0.01	0.113	O	|	|	|	|	0.40
267.000	0.00	0.01	0.113	O	|	|	|	|	0.40
267.083	0.00	0.01	0.113	O	|	|	|	|	0.40
267.167	0.00	0.01	0.113	O	|	|	|	|	0.40
267.250	0.00	0.01	0.113	O	|	|	|	|	0.40
267.333	0.00	0.01	0.113	O	|	|	|	|	0.40
267.417	0.00	0.01	0.113	O	|	|	|	|	0.40
267.500	0.00	0.01	0.112	O	|	|	|	|	0.40
267.583	0.00	0.01	0.112	O	|	|	|	|	0.40
267.667	0.00	0.01	0.112	O	|	|	|	|	0.40
267.750	0.00	0.01	0.112	O	|	|	|	|	0.40
267.833	0.00	0.01	0.112	O	|	|	|	|	0.40

267.917	0.00	0.01	0.112	O	|	|	|	|	0.40
268.000	0.00	0.01	0.112	O	|	|	|	|	0.40
268.083	0.00	0.01	0.112	O	|	|	|	|	0.40
268.167	0.00	0.01	0.112	O	|	|	|	|	0.40
268.250	0.00	0.01	0.112	O	|	|	|	|	0.40
268.333	0.00	0.01	0.112	O	|	|	|	|	0.40
268.417	0.00	0.01	0.112	O	|	|	|	|	0.40
268.500	0.00	0.01	0.112	O	|	|	|	|	0.40
268.583	0.00	0.01	0.111	O	|	|	|	|	0.40
268.667	0.00	0.01	0.111	O	|	|	|	|	0.40
268.750	0.00	0.01	0.111	O	|	|	|	|	0.40
268.833	0.00	0.01	0.111	O	|	|	|	|	0.40
268.917	0.00	0.01	0.111	O	|	|	|	|	0.40
269.000	0.00	0.01	0.111	O	|	|	|	|	0.40
269.083	0.00	0.01	0.111	O	|	|	|	|	0.40
269.167	0.00	0.01	0.111	O	|	|	|	|	0.40
269.250	0.00	0.01	0.111	O	|	|	|	|	0.40
269.333	0.00	0.01	0.111	O	|	|	|	|	0.40
269.417	0.00	0.01	0.111	O	|	|	|	|	0.40
269.500	0.00	0.01	0.111	O	|	|	|	|	0.40
269.583	0.00	0.01	0.111	O	|	|	|	|	0.40
269.667	0.00	0.01	0.110	O	|	|	|	|	0.40
269.750	0.00	0.01	0.110	O	|	|	|	|	0.40
269.833	0.00	0.01	0.110	O	|	|	|	|	0.39
269.917	0.00	0.01	0.110	O	|	|	|	|	0.39
270.000	0.00	0.01	0.110	O	|	|	|	|	0.39
270.083	0.00	0.01	0.110	O	|	|	|	|	0.39
270.167	0.00	0.01	0.110	O	|	|	|	|	0.39
270.250	0.00	0.01	0.110	O	|	|	|	|	0.39
270.333	0.00	0.01	0.110	O	|	|	|	|	0.39
270.417	0.00	0.01	0.110	O	|	|	|	|	0.39
270.500	0.00	0.01	0.110	O	|	|	|	|	0.39
270.583	0.00	0.01	0.110	O	|	|	|	|	0.39
270.667	0.00	0.01	0.110	O	|	|	|	|	0.39
270.750	0.00	0.01	0.109	O	|	|	|	|	0.39
270.833	0.00	0.01	0.109	O	|	|	|	|	0.39
270.917	0.00	0.01	0.109	O	|	|	|	|	0.39
271.000	0.00	0.01	0.109	O	|	|	|	|	0.39
271.083	0.00	0.01	0.109	O	|	|	|	|	0.39
271.167	0.00	0.01	0.109	O	|	|	|	|	0.39
271.250	0.00	0.01	0.109	O	|	|	|	|	0.39
271.333	0.00	0.01	0.109	O	|	|	|	|	0.39
271.417	0.00	0.01	0.109	O	|	|	|	|	0.39
271.500	0.00	0.01	0.109	O	|	|	|	|	0.39
271.583	0.00	0.01	0.109	O	|	|	|	|	0.39
271.667	0.00	0.01	0.109	O	|	|	|	|	0.39
271.750	0.00	0.01	0.109	O	|	|	|	|	0.39
271.833	0.00	0.01	0.109	O	|	|	|	|	0.39
271.917	0.00	0.01	0.108	O	|	|	|	|	0.39
272.000	0.00	0.01	0.108	O	|	|	|	|	0.39
272.083	0.00	0.01	0.108	O	|	|	|	|	0.39
272.167	0.00	0.01	0.108	O	|	|	|	|	0.39
272.250	0.00	0.01	0.108	O	|	|	|	|	0.39
272.333	0.00	0.01	0.108	O	|	|	|	|	0.39
272.417	0.00	0.01	0.108	O	|	|	|	|	0.39
272.500	0.00	0.01	0.108	O	|	|	|	|	0.39
272.583	0.00	0.01	0.108	O	|	|	|	|	0.39
272.667	0.00	0.01	0.108	O	|	|	|	|	0.39
272.750	0.00	0.01	0.108	O	|	|	|	|	0.39
272.833	0.00	0.01	0.108	O	|	|	|	|	0.39
272.917	0.00	0.01	0.108	O	|	|	|	|	0.39
273.000	0.00	0.01	0.108	O	|	|	|	|	0.38
273.083	0.00	0.01	0.107	O	|	|	|	|	0.38
273.167	0.00	0.01	0.107	O	|	|	|	|	0.38
273.250	0.00	0.01	0.107	O	|	|	|	|	0.38
273.333	0.00	0.01	0.107	O	|	|	|	|	0.38
273.417	0.00	0.01	0.107	O	|	|	|	|	0.38
273.500	0.00	0.01	0.107	O	|	|	|	|	0.38
273.583	0.00	0.01	0.107	O	|	|	|	|	0.38
273.667	0.00	0.01	0.107	O	|	|	|	|	0.38
273.750	0.00	0.01	0.107	O	|	|	|	|	0.38
273.833	0.00	0.01	0.107	O	|	|	|	|	0.38
273.917	0.00	0.01	0.107	O	|	|	|	|	0.38

274.000	0.00	0.01	0.107	O	|	|	|	|	0.38
274.083	0.00	0.01	0.107	O	|	|	|	|	0.38
274.167	0.00	0.01	0.106	O	|	|	|	|	0.38
274.250	0.00	0.01	0.106	O	|	|	|	|	0.38
274.333	0.00	0.01	0.106	O	|	|	|	|	0.38
274.417	0.00	0.01	0.106	O	|	|	|	|	0.38
274.500	0.00	0.01	0.106	O	|	|	|	|	0.38
274.583	0.00	0.01	0.106	O	|	|	|	|	0.38
274.667	0.00	0.01	0.106	O	|	|	|	|	0.38
274.750	0.00	0.01	0.106	O	|	|	|	|	0.38
274.833	0.00	0.01	0.106	O	|	|	|	|	0.38
274.917	0.00	0.01	0.106	O	|	|	|	|	0.38
275.000	0.00	0.01	0.106	O	|	|	|	|	0.38
275.083	0.00	0.01	0.106	O	|	|	|	|	0.38
275.167	0.00	0.01	0.106	O	|	|	|	|	0.38
275.250	0.00	0.01	0.106	O	|	|	|	|	0.38
275.333	0.00	0.01	0.105	O	|	|	|	|	0.38
275.417	0.00	0.01	0.105	O	|	|	|	|	0.38
275.500	0.00	0.01	0.105	O	|	|	|	|	0.38
275.583	0.00	0.01	0.105	O	|	|	|	|	0.38
275.667	0.00	0.01	0.105	O	|	|	|	|	0.38
275.750	0.00	0.01	0.105	O	|	|	|	|	0.38
275.833	0.00	0.01	0.105	O	|	|	|	|	0.38
275.917	0.00	0.01	0.105	O	|	|	|	|	0.38
276.000	0.00	0.01	0.105	O	|	|	|	|	0.38
276.083	0.00	0.01	0.105	O	|	|	|	|	0.38
276.167	0.00	0.01	0.105	O	|	|	|	|	0.38
276.250	0.00	0.01	0.105	O	|	|	|	|	0.37
276.333	0.00	0.01	0.105	O	|	|	|	|	0.37
276.417	0.00	0.01	0.105	O	|	|	|	|	0.37
276.500	0.00	0.01	0.104	O	|	|	|	|	0.37
276.583	0.00	0.01	0.104	O	|	|	|	|	0.37
276.667	0.00	0.01	0.104	O	|	|	|	|	0.37
276.750	0.00	0.01	0.104	O	|	|	|	|	0.37
276.833	0.00	0.01	0.104	O	|	|	|	|	0.37
276.917	0.00	0.01	0.104	O	|	|	|	|	0.37
277.000	0.00	0.01	0.104	O	|	|	|	|	0.37
277.083	0.00	0.01	0.104	O	|	|	|	|	0.37
277.167	0.00	0.01	0.104	O	|	|	|	|	0.37
277.250	0.00	0.01	0.104	O	|	|	|	|	0.37
277.333	0.00	0.01	0.104	O	|	|	|	|	0.37
277.417	0.00	0.01	0.104	O	|	|	|	|	0.37
277.500	0.00	0.01	0.104	O	|	|	|	|	0.37
277.583	0.00	0.01	0.104	O	|	|	|	|	0.37
277.667	0.00	0.01	0.103	O	|	|	|	|	0.37
277.750	0.00	0.01	0.103	O	|	|	|	|	0.37
277.833	0.00	0.01	0.103	O	|	|	|	|	0.37
277.917	0.00	0.01	0.103	O	|	|	|	|	0.37
278.000	0.00	0.01	0.103	O	|	|	|	|	0.37
278.083	0.00	0.01	0.103	O	|	|	|	|	0.37
278.167	0.00	0.01	0.103	O	|	|	|	|	0.37
278.250	0.00	0.01	0.103	O	|	|	|	|	0.37
278.333	0.00	0.01	0.103	O	|	|	|	|	0.37
278.417	0.00	0.01	0.103	O	|	|	|	|	0.37
278.500	0.00	0.01	0.103	O	|	|	|	|	0.37
278.583	0.00	0.01	0.103	O	|	|	|	|	0.37
278.667	0.00	0.01	0.103	O	|	|	|	|	0.37
278.750	0.00	0.01	0.103	O	|	|	|	|	0.37
278.833	0.00	0.01	0.103	O	|	|	|	|	0.37
278.917	0.00	0.01	0.102	O	|	|	|	|	0.37
279.000	0.00	0.01	0.102	O	|	|	|	|	0.37
279.083	0.00	0.01	0.102	O	|	|	|	|	0.37
279.167	0.00	0.01	0.102	O	|	|	|	|	0.37
279.250	0.00	0.01	0.102	O	|	|	|	|	0.37
279.333	0.00	0.01	0.102	O	|	|	|	|	0.37
279.417	0.00	0.01	0.102	O	|	|	|	|	0.37
279.500	0.00	0.01	0.102	O	|	|	|	|	0.36
279.583	0.00	0.01	0.102	O	|	|	|	|	0.36
279.667	0.00	0.01	0.102	O	|	|	|	|	0.36
279.750	0.00	0.01	0.102	O	|	|	|	|	0.36
279.833	0.00	0.01	0.102	O	|	|	|	|	0.36
279.917	0.00	0.01	0.102	O	|	|	|	|	0.36
280.000	0.00	0.01	0.102	O	|	|	|	|	0.36

280.083	0.00	0.01	0.101	O					0.36
280.167	0.00	0.01	0.101	O					0.36
280.250	0.00	0.01	0.101	O					0.36
280.333	0.00	0.01	0.101	O					0.36
280.417	0.00	0.01	0.101	O					0.36
280.500	0.00	0.01	0.101	O					0.36
280.583	0.00	0.01	0.101	O					0.36
280.667	0.00	0.01	0.101	O					0.36
280.750	0.00	0.01	0.101	O					0.36
280.833	0.00	0.01	0.101	O					0.36
280.917	0.00	0.01	0.101	O					0.36
281.000	0.00	0.01	0.101	O					0.36
281.083	0.00	0.01	0.101	O					0.36
281.167	0.00	0.01	0.101	O					0.36
281.250	0.00	0.01	0.101	O					0.36
281.333	0.00	0.01	0.100	O					0.36
281.417	0.00	0.01	0.100	O					0.36
281.500	0.00	0.01	0.100	O					0.36
281.583	0.00	0.01	0.100	O					0.36
281.667	0.00	0.01	0.100	O					0.36
281.750	0.00	0.01	0.100	O					0.36
281.833	0.00	0.01	0.100	O					0.36
281.917	0.00	0.01	0.100	O					0.36
282.000	0.00	0.01	0.100	O					0.36
282.083	0.00	0.01	0.100	O					0.36
282.167	0.00	0.01	0.100	O					0.36
282.250	0.00	0.01	0.100	O					0.36
282.333	0.00	0.01	0.100	O					0.36
282.417	0.00	0.01	0.100	O					0.36
282.500	0.00	0.01	0.099	O					0.36
282.583	0.00	0.01	0.099	O					0.36
282.667	0.00	0.01	0.099	O					0.36
282.750	0.00	0.01	0.099	O					0.36
282.833	0.00	0.01	0.099	O					0.36
282.917	0.00	0.01	0.099	O					0.35
283.000	0.00	0.01	0.099	O					0.35
283.083	0.00	0.01	0.099	O					0.35
283.167	0.00	0.01	0.099	O					0.35
283.250	0.00	0.01	0.099	O					0.35
283.333	0.00	0.01	0.099	O					0.35
283.417	0.00	0.01	0.099	O					0.35
283.500	0.00	0.01	0.099	O					0.35
283.583	0.00	0.01	0.099	O					0.35
283.667	0.00	0.01	0.099	O					0.35
283.750	0.00	0.01	0.098	O					0.35
283.833	0.00	0.01	0.098	O					0.35
283.917	0.00	0.01	0.098	O					0.35
284.000	0.00	0.01	0.098	O					0.35
284.083	0.00	0.01	0.098	O					0.35
284.167	0.00	0.01	0.098	O					0.35
284.250	0.00	0.01	0.098	O					0.35
284.333	0.00	0.01	0.098	O					0.35
284.417	0.00	0.01	0.098	O					0.35
284.500	0.00	0.01	0.098	O					0.35
284.583	0.00	0.01	0.098	O					0.35
284.667	0.00	0.01	0.098	O					0.35
284.750	0.00	0.01	0.098	O					0.35
284.833	0.00	0.01	0.098	O					0.35
284.917	0.00	0.01	0.098	O					0.35
285.000	0.00	0.01	0.097	O					0.35
285.083	0.00	0.01	0.097	O					0.35
285.167	0.00	0.01	0.097	O					0.35
285.250	0.00	0.01	0.097	O					0.35
285.333	0.00	0.01	0.097	O					0.35
285.417	0.00	0.01	0.097	O					0.35
285.500	0.00	0.01	0.097	O					0.35
285.583	0.00	0.01	0.097	O					0.35
285.667	0.00	0.01	0.097	O					0.35
285.750	0.00	0.01	0.097	O					0.35
285.833	0.00	0.01	0.097	O					0.35
285.917	0.00	0.01	0.097	O					0.35
286.000	0.00	0.01	0.097	O					0.35
286.083	0.00	0.01	0.097	O					0.35

286.167	0.00	0.01	0.097	O					0.35
286.250	0.00	0.01	0.096	O					0.35
286.333	0.00	0.01	0.096	O					0.35
286.417	0.00	0.01	0.096	O					0.34
286.500	0.00	0.01	0.096	O					0.34
286.583	0.00	0.01	0.096	O					0.34
286.667	0.00	0.01	0.096	O					0.34
286.750	0.00	0.01	0.096	O					0.34
286.833	0.00	0.01	0.096	O					0.34
286.917	0.00	0.01	0.096	O					0.34
287.000	0.00	0.01	0.096	O					0.34
287.083	0.00	0.01	0.096	O					0.34
287.167	0.00	0.01	0.096	O					0.34
287.250	0.00	0.01	0.096	O					0.34
287.333	0.00	0.01	0.096	O					0.34
287.417	0.00	0.01	0.096	O					0.34
287.500	0.00	0.01	0.096	O					0.34
287.583	0.00	0.01	0.095	O					0.34
287.667	0.00	0.01	0.095	O					0.34
287.750	0.00	0.01	0.095	O					0.34
287.833	0.00	0.01	0.095	O					0.34
287.917	0.00	0.01	0.095	O					0.34
288.000	0.00	0.01	0.095	O					0.34
288.083	0.00	0.01	0.095	O					0.34
288.167	0.00	0.01	0.095	O					0.34
288.250	0.00	0.01	0.095	O					0.34
288.333	0.00	0.01	0.095	O					0.34
288.417	0.00	0.01	0.095	O					0.34
288.500	0.00	0.01	0.095	O					0.34
288.583	0.00	0.01	0.095	O					0.34
288.667	0.00	0.01	0.095	O					0.34
288.750	0.00	0.01	0.095	O					0.34
288.833	0.00	0.01	0.094	O					0.34
288.917	0.00	0.01	0.094	O					0.34
289.000	0.00	0.01	0.094	O					0.34
289.083	0.00	0.01	0.094	O					0.34
289.167	0.00	0.01	0.094	O					0.34
289.250	0.00	0.01	0.094	O					0.34
289.333	0.00	0.01	0.094	O					0.34
289.417	0.00	0.01	0.094	O					0.34
289.500	0.00	0.01	0.094	O					0.34
289.583	0.00	0.01	0.094	O					0.34
289.667	0.00	0.01	0.094	O					0.34
289.750	0.00	0.01	0.094	O					0.34
289.833	0.00	0.01	0.094	O					0.34
289.917	0.00	0.01	0.094	O					0.34
290.000	0.00	0.01	0.094	O					0.34
290.083	0.00	0.01	0.094	O					0.33
290.167	0.00	0.01	0.093	O					0.33
290.250	0.00	0.01	0.093	O					0.33
290.333	0.00	0.01	0.093	O					0.33
290.417	0.00	0.01	0.093	O					0.33
290.500	0.00	0.01	0.093	O					0.33
290.583	0.00	0.01	0.093	O					0.33
290.667	0.00	0.01	0.093	O					0.33
290.750	0.00	0.01	0.093	O					0.33
290.833	0.00	0.01	0.093	O					0.33
290.917	0.00	0.01	0.093	O					0.33
291.000	0.00	0.01	0.093	O					0.33
291.083	0.00	0.01	0.093	O					0.33
291.167	0.00	0.01	0.093	O					0.33
291.250	0.00	0.01	0.093	O					0.33
291.333	0.00	0.01	0.093	O					0.33
291.417	0.00	0.01	0.092	O					0.33
291.500	0.00	0.01	0.092	O					0.33
291.583	0.00	0.01	0.092	O					0.33
291.667	0.00	0.01	0.092	O					0.33
291.750	0.00	0.01	0.092	O					0.33
291.833	0.00	0.01	0.092	O					0.33
291.917	0.00	0.01	0.092	O					0.33
292.000	0.00	0.01	0.092	O					0.33
292.083	0.00	0.01	0.092	O					0.33
292.167	0.00	0.01	0.092	O					0.33

292.250	0.00	0.01	0.092	O					0.33
292.333	0.00	0.01	0.092	O					0.33
292.417	0.00	0.01	0.092	O					0.33
292.500	0.00	0.01	0.092	O					0.33
292.583	0.00	0.01	0.092	O					0.33
292.667	0.00	0.01	0.092	O					0.33
292.750	0.00	0.01	0.091	O					0.33
292.833	0.00	0.01	0.091	O					0.33
292.917	0.00	0.01	0.091	O					0.33
293.000	0.00	0.01	0.091	O					0.33
293.083	0.00	0.01	0.091	O					0.33
293.167	0.00	0.01	0.091	O					0.33
293.250	0.00	0.01	0.091	O					0.33
293.333	0.00	0.01	0.091	O					0.33
293.417	0.00	0.01	0.091	O					0.33
293.500	0.00	0.01	0.091	O					0.33
293.583	0.00	0.01	0.091	O					0.33
293.667	0.00	0.01	0.091	O					0.33
293.750	0.00	0.01	0.091	O					0.32
293.833	0.00	0.01	0.091	O					0.32
293.917	0.00	0.01	0.091	O					0.32
294.000	0.00	0.01	0.091	O					0.32
294.083	0.00	0.01	0.091	O					0.32
294.167	0.00	0.01	0.090	O					0.32
294.250	0.00	0.01	0.090	O					0.32
294.333	0.00	0.01	0.090	O					0.32
294.417	0.00	0.01	0.090	O					0.32
294.500	0.00	0.01	0.090	O					0.32
294.583	0.00	0.01	0.090	O					0.32
294.667	0.00	0.01	0.090	O					0.32
294.750	0.00	0.01	0.090	O					0.32
294.833	0.00	0.01	0.090	O					0.32
294.917	0.00	0.01	0.090	O					0.32
295.000	0.00	0.01	0.090	O					0.32
295.083	0.00	0.01	0.090	O					0.32
295.167	0.00	0.01	0.090	O					0.32
295.250	0.00	0.01	0.090	O					0.32
295.333	0.00	0.01	0.090	O					0.32
295.417	0.00	0.01	0.090	O					0.32
295.500	0.00	0.01	0.089	O					0.32
295.583	0.00	0.01	0.089	O					0.32
295.667	0.00	0.01	0.089	O					0.32
295.750	0.00	0.01	0.089	O					0.32
295.833	0.00	0.01	0.089	O					0.32
295.917	0.00	0.01	0.089	O					0.32
296.000	0.00	0.01	0.089	O					0.32
296.083	0.00	0.01	0.089	O					0.32
296.167	0.00	0.01	0.089	O					0.32
296.250	0.00	0.01	0.089	O					0.32
296.333	0.00	0.01	0.089	O					0.32
296.417	0.00	0.01	0.089	O					0.32
296.500	0.00	0.01	0.089	O					0.32
296.583	0.00	0.01	0.089	O					0.32
296.667	0.00	0.01	0.089	O					0.32
296.750	0.00	0.01	0.089	O					0.32
296.833	0.00	0.01	0.088	O					0.32
296.917	0.00	0.01	0.088	O					0.32
297.000	0.00	0.01	0.088	O					0.32
297.083	0.00	0.01	0.088	O					0.32
297.167	0.00	0.01	0.088	O					0.32
297.250	0.00	0.01	0.088	O					0.32
297.333	0.00	0.01	0.088	O					0.32
297.417	0.00	0.01	0.088	O					0.32
297.500	0.00	0.01	0.088	O					0.32
297.583	0.00	0.01	0.088	O					0.31
297.667	0.00	0.01	0.088	O					0.31
297.750	0.00	0.01	0.088	O					0.31
297.833	0.00	0.01	0.088	O					0.31
297.917	0.00	0.01	0.088	O					0.31
298.000	0.00	0.01	0.088	O					0.31
298.083	0.00	0.01	0.088	O					0.31
298.167	0.00	0.01	0.088	O					0.31
298.250	0.00	0.01	0.087	O					0.31

298.333	0.00	0.01	0.087	O					0.31
298.417	0.00	0.01	0.087	O					0.31
298.500	0.00	0.01	0.087	O					0.31
298.583	0.00	0.01	0.087	O					0.31
298.667	0.00	0.01	0.087	O					0.31
298.750	0.00	0.01	0.087	O					0.31
298.833	0.00	0.01	0.087	O					0.31
298.917	0.00	0.01	0.087	O					0.31
299.000	0.00	0.01	0.087	O					0.31
299.083	0.00	0.01	0.087	O					0.31
299.167	0.00	0.01	0.087	O					0.31
299.250	0.00	0.01	0.087	O					0.31
299.333	0.00	0.01	0.087	O					0.31
299.417	0.00	0.01	0.087	O					0.31
299.500	0.00	0.01	0.087	O					0.31
299.583	0.00	0.01	0.087	O					0.31
299.667	0.00	0.01	0.086	O					0.31
299.750	0.00	0.01	0.086	O					0.31
299.833	0.00	0.01	0.086	O					0.31
299.917	0.00	0.01	0.086	O					0.31
300.000	0.00	0.01	0.086	O					0.31
300.083	0.00	0.01	0.086	O					0.31
300.167	0.00	0.01	0.086	O					0.31
300.250	0.00	0.01	0.086	O					0.31
300.333	0.00	0.01	0.086	O					0.31
300.417	0.00	0.01	0.086	O					0.31
300.500	0.00	0.01	0.086	O					0.31
300.583	0.00	0.01	0.086	O					0.31
300.667	0.00	0.01	0.086	O					0.31
300.750	0.00	0.01	0.086	O					0.31
300.833	0.00	0.01	0.086	O					0.31
300.917	0.00	0.01	0.086	O					0.31
301.000	0.00	0.01	0.086	O					0.31
301.083	0.00	0.01	0.085	O					0.31
301.167	0.00	0.01	0.085	O					0.31
301.250	0.00	0.01	0.085	O					0.31
301.333	0.00	0.01	0.085	O					0.31
301.417	0.00	0.01	0.085	O					0.31
301.500	0.00	0.01	0.085	O					0.30
301.583	0.00	0.01	0.085	O					0.30
301.667	0.00	0.01	0.085	O					0.30
301.750	0.00	0.01	0.085	O					0.30
301.833	0.00	0.01	0.085	O					0.30
301.917	0.00	0.01	0.085	O					0.30
302.000	0.00	0.01	0.085	O					0.30
302.083	0.00	0.01	0.085	O					0.30
302.167	0.00	0.01	0.085	O					0.30
302.250	0.00	0.01	0.085	O					0.30
302.333	0.00	0.01	0.085	O					0.30
302.417	0.00	0.01	0.085	O					0.30
302.500	0.00	0.01	0.084	O					0.30
302.583	0.00	0.01	0.084	O					0.30
302.667	0.00	0.01	0.084	O					0.30
302.750	0.00	0.01	0.084	O					0.30
302.833	0.00	0.01	0.084	O					0.30
302.917	0.00	0.01	0.084	O					0.30
303.000	0.00	0.01	0.084	O					0.30
303.083	0.00	0.01	0.084	O					0.30
303.167	0.00	0.01	0.084	O					0.30
303.250	0.00	0.01	0.084	O					0.30
303.333	0.00	0.01	0.084	O					0.30
303.417	0.00	0.01	0.084	O					0.30
303.500	0.00	0.01	0.084	O					0.30
303.583	0.00	0.01	0.084	O					0.30
303.667	0.00	0.01	0.084	O					0.30
303.750	0.00	0.01	0.084	O					0.30
303.833	0.00	0.01	0.084	O					0.30
303.917	0.00	0.01	0.084	O					0.30
304.000	0.00	0.01	0.083	O					0.30
304.083	0.00	0.01	0.083	O					0.30
304.167	0.00	0.01	0.083	O					0.30
304.250	0.00	0.01	0.083	O					0.30
304.333	0.00	0.01	0.083	O					0.30

304.417	0.00	0.01	0.083	O					0.30
304.500	0.00	0.01	0.083	O					0.30
304.583	0.00	0.01	0.083	O					0.30
304.667	0.00	0.01	0.083	O					0.30
304.750	0.00	0.01	0.083	O					0.30
304.833	0.00	0.01	0.083	O					0.30
304.917	0.00	0.01	0.083	O					0.30
305.000	0.00	0.01	0.083	O					0.30
305.083	0.00	0.01	0.083	O					0.30
305.167	0.00	0.01	0.083	O					0.30
305.250	0.00	0.01	0.083	O					0.30
305.333	0.00	0.01	0.083	O					0.30
305.417	0.00	0.01	0.083	O					0.30
305.500	0.00	0.01	0.082	O					0.30
305.583	0.00	0.01	0.082	O					0.30
305.667	0.00	0.01	0.082	O					0.29
305.750	0.00	0.01	0.082	O					0.29
305.833	0.00	0.01	0.082	O					0.29
305.917	0.00	0.01	0.082	O					0.29
306.000	0.00	0.01	0.082	O					0.29
306.083	0.00	0.01	0.082	O					0.29
306.167	0.00	0.01	0.082	O					0.29
306.250	0.00	0.01	0.082	O					0.29
306.333	0.00	0.01	0.082	O					0.29
306.417	0.00	0.01	0.082	O					0.29
306.500	0.00	0.01	0.082	O					0.29
306.583	0.00	0.01	0.082	O					0.29
306.667	0.00	0.01	0.082	O					0.29
306.750	0.00	0.01	0.082	O					0.29
306.833	0.00	0.01	0.082	O					0.29
306.917	0.00	0.01	0.082	O					0.29
307.000	0.00	0.01	0.081	O					0.29
307.083	0.00	0.01	0.081	O					0.29
307.167	0.00	0.01	0.081	O					0.29
307.250	0.00	0.01	0.081	O					0.29
307.333	0.00	0.01	0.081	O					0.29
307.417	0.00	0.01	0.081	O					0.29
307.500	0.00	0.01	0.081	O					0.29
307.583	0.00	0.01	0.081	O					0.29
307.667	0.00	0.01	0.081	O					0.29
307.750	0.00	0.01	0.081	O					0.29
307.833	0.00	0.01	0.081	O					0.29
307.917	0.00	0.01	0.081	O					0.29
308.000	0.00	0.01	0.081	O					0.29
308.083	0.00	0.01	0.081	O					0.29
308.167	0.00	0.01	0.081	O					0.29
308.250	0.00	0.01	0.081	O					0.29
308.333	0.00	0.01	0.081	O					0.29
308.417	0.00	0.01	0.081	O					0.29
308.500	0.00	0.01	0.080	O					0.29
308.583	0.00	0.01	0.080	O					0.29
308.667	0.00	0.01	0.080	O					0.29
308.750	0.00	0.01	0.080	O					0.29
308.833	0.00	0.01	0.080	O					0.29
308.917	0.00	0.01	0.080	O					0.29
309.000	0.00	0.01	0.080	O					0.29
309.083	0.00	0.01	0.080	O					0.29
309.167	0.00	0.01	0.080	O					0.29
309.250	0.00	0.01	0.080	O					0.29
309.333	0.00	0.01	0.080	O					0.29
309.417	0.00	0.01	0.080	O					0.29
309.500	0.00	0.01	0.080	O					0.29
309.583	0.00	0.01	0.080	O					0.29
309.667	0.00	0.01	0.080	O					0.29
309.750	0.00	0.01	0.080	O					0.29
309.833	0.00	0.01	0.080	O					0.28
309.917	0.00	0.01	0.080	O					0.28
310.000	0.00	0.01	0.079	O					0.28
310.083	0.00	0.01	0.079	O					0.28
310.167	0.00	0.01	0.079	O					0.28
310.250	0.00	0.01	0.079	O					0.28
310.333	0.00	0.01	0.079	O					0.28
310.417	0.00	0.01	0.079	O					0.28

310.500	0.00	0.01	0.079	O					0.28
310.583	0.00	0.01	0.079	O					0.28
310.667	0.00	0.01	0.079	O					0.28
310.750	0.00	0.01	0.079	O					0.28
310.833	0.00	0.01	0.079	O					0.28
310.917	0.00	0.01	0.079	O					0.28
311.000	0.00	0.01	0.079	O					0.28
311.083	0.00	0.01	0.079	O					0.28
311.167	0.00	0.01	0.079	O					0.28
311.250	0.00	0.01	0.079	O					0.28
311.333	0.00	0.01	0.079	O					0.28
311.417	0.00	0.01	0.079	O					0.28
311.500	0.00	0.01	0.079	O					0.28
311.583	0.00	0.01	0.078	O					0.28
311.667	0.00	0.01	0.078	O					0.28
311.750	0.00	0.01	0.078	O					0.28
311.833	0.00	0.01	0.078	O					0.28
311.917	0.00	0.01	0.078	O					0.28
312.000	0.00	0.01	0.078	O					0.28
312.083	0.00	0.01	0.078	O					0.28
312.167	0.00	0.01	0.078	O					0.28
312.250	0.00	0.01	0.078	O					0.28
312.333	0.00	0.01	0.078	O					0.28
312.417	0.00	0.01	0.078	O					0.28
312.500	0.00	0.01	0.078	O					0.28
312.583	0.00	0.01	0.078	O					0.28
312.667	0.00	0.01	0.078	O					0.28
312.750	0.00	0.01	0.078	O					0.28
312.833	0.00	0.01	0.078	O					0.28
312.917	0.00	0.01	0.078	O					0.28
313.000	0.00	0.01	0.078	O					0.28
313.083	0.00	0.01	0.078	O					0.28
313.167	0.00	0.01	0.077	O					0.28
313.250	0.00	0.01	0.077	O					0.28
313.333	0.00	0.01	0.077	O					0.28
313.417	0.00	0.01	0.077	O					0.28
313.500	0.00	0.01	0.077	O					0.28
313.583	0.00	0.01	0.077	O					0.28
313.667	0.00	0.01	0.077	O					0.28
313.750	0.00	0.01	0.077	O					0.28
313.833	0.00	0.01	0.077	O					0.28
313.917	0.00	0.01	0.077	O					0.28
314.000	0.00	0.01	0.077	O					0.28
314.083	0.00	0.01	0.077	O					0.28
314.167	0.00	0.01	0.077	O					0.28
314.250	0.00	0.01	0.077	O					0.27
314.333	0.00	0.01	0.077	O					0.27
314.417	0.00	0.01	0.077	O					0.27
314.500	0.00	0.01	0.077	O					0.27
314.583	0.00	0.01	0.077	O					0.27
314.667	0.00	0.01	0.077	O					0.27
314.750	0.00	0.01	0.076	O					0.27
314.833	0.00	0.01	0.076	O					0.27
314.917	0.00	0.01	0.076	O					0.27
315.000	0.00	0.01	0.076	O					0.27
315.083	0.00	0.01	0.076	O					0.27
315.167	0.00	0.01	0.076	O					0.27
315.250	0.00	0.01	0.076	O					0.27
315.333	0.00	0.01	0.076	O					0.27
315.417	0.00	0.01	0.076	O					0.27
315.500	0.00	0.01	0.076	O					0.27
315.583	0.00	0.01	0.076	O					0.27
315.667	0.00	0.01	0.076	O					0.27
315.750	0.00	0.01	0.076	O					0.27
315.833	0.00	0.01	0.076	O					0.27
315.917	0.00	0.01	0.076	O					0.27
316.000	0.00	0.01	0.076	O					0.27
316.083	0.00	0.01	0.076	O					0.27
316.167	0.00	0.01	0.076	O					0.27
316.250	0.00	0.01	0.076	O					0.27
316.333	0.00	0.01	0.075	O					0.27
316.417	0.00	0.01	0.075	O					0.27
316.500	0.00	0.01	0.075	O					0.27

316.583	0.00	0.01	0.075	O					0.27
316.667	0.00	0.01	0.075	O					0.27
316.750	0.00	0.01	0.075	O					0.27
316.833	0.00	0.01	0.075	O					0.27
316.917	0.00	0.01	0.075	O					0.27
317.000	0.00	0.01	0.075	O					0.27
317.083	0.00	0.01	0.075	O					0.27
317.167	0.00	0.01	0.075	O					0.27
317.250	0.00	0.01	0.075	O					0.27
317.333	0.00	0.01	0.075	O					0.27
317.417	0.00	0.01	0.075	O					0.27
317.500	0.00	0.01	0.075	O					0.27
317.583	0.00	0.01	0.075	O					0.27
317.667	0.00	0.01	0.075	O					0.27
317.750	0.00	0.01	0.075	O					0.27
317.833	0.00	0.01	0.075	O					0.27
317.917	0.00	0.01	0.075	O					0.27
318.000	0.00	0.01	0.074	O					0.27
318.083	0.00	0.01	0.074	O					0.27
318.167	0.00	0.01	0.074	O					0.27
318.250	0.00	0.01	0.074	O					0.27
318.333	0.00	0.01	0.074	O					0.27
318.417	0.00	0.01	0.074	O					0.27
318.500	0.00	0.01	0.074	O					0.27
318.583	0.00	0.01	0.074	O					0.27
318.667	0.00	0.01	0.074	O					0.27
318.750	0.00	0.01	0.074	O					0.26
318.833	0.00	0.01	0.074	O					0.26
318.917	0.00	0.01	0.074	O					0.26
319.000	0.00	0.01	0.074	O					0.26
319.083	0.00	0.01	0.074	O					0.26
319.167	0.00	0.01	0.074	O					0.26
319.250	0.00	0.01	0.074	O					0.26
319.333	0.00	0.01	0.074	O					0.26
319.417	0.00	0.01	0.074	O					0.26
319.500	0.00	0.01	0.074	O					0.26
319.583	0.00	0.01	0.073	O					0.26
319.667	0.00	0.01	0.073	O					0.26
319.750	0.00	0.01	0.073	O					0.26
319.833	0.00	0.01	0.073	O					0.26
319.917	0.00	0.01	0.073	O					0.26
320.000	0.00	0.01	0.073	O					0.26
320.083	0.00	0.01	0.073	O					0.26
320.167	0.00	0.01	0.073	O					0.26
320.250	0.00	0.01	0.073	O					0.26
320.333	0.00	0.01	0.073	O					0.26
320.417	0.00	0.01	0.073	O					0.26
320.500	0.00	0.01	0.073	O					0.26
320.583	0.00	0.01	0.073	O					0.26
320.667	0.00	0.01	0.073	O					0.26
320.750	0.00	0.01	0.073	O					0.26
320.833	0.00	0.01	0.073	O					0.26
320.917	0.00	0.01	0.073	O					0.26
321.000	0.00	0.01	0.073	O					0.26
321.083	0.00	0.01	0.073	O					0.26
321.167	0.00	0.01	0.073	O					0.26
321.250	0.00	0.01	0.073	O					0.26
321.333	0.00	0.01	0.072	O					0.26
321.417	0.00	0.01	0.072	O					0.26
321.500	0.00	0.01	0.072	O					0.26
321.583	0.00	0.01	0.072	O					0.26
321.667	0.00	0.01	0.072	O					0.26
321.750	0.00	0.01	0.072	O					0.26
321.833	0.00	0.01	0.072	O					0.26
321.917	0.00	0.01	0.072	O					0.26
322.000	0.00	0.01	0.072	O					0.26
322.083	0.00	0.01	0.072	O					0.26
322.167	0.00	0.01	0.072	O					0.26
322.250	0.00	0.01	0.072	O					0.26
322.333	0.00	0.01	0.072	O					0.26
322.417	0.00	0.01	0.072	O					0.26
322.500	0.00	0.01	0.072	O					0.26
322.583	0.00	0.01	0.072	O					0.26

322.667	0.00	0.01	0.072	O					0.26
322.750	0.00	0.01	0.072	O					0.26
322.833	0.00	0.01	0.072	O					0.26
322.917	0.00	0.01	0.072	O					0.26
323.000	0.00	0.01	0.071	O					0.26
323.083	0.00	0.01	0.071	O					0.26
323.167	0.00	0.01	0.071	O					0.26
323.250	0.00	0.01	0.071	O					0.26
323.333	0.00	0.01	0.071	O					0.26
323.417	0.00	0.01	0.071	O					0.26
323.500	0.00	0.01	0.071	O					0.25
323.583	0.00	0.01	0.071	O					0.25
323.667	0.00	0.01	0.071	O					0.25
323.750	0.00	0.01	0.071	O					0.25
323.833	0.00	0.01	0.071	O					0.25
323.917	0.00	0.01	0.071	O					0.25
324.000	0.00	0.01	0.071	O					0.25
324.083	0.00	0.01	0.071	O					0.25
324.167	0.00	0.01	0.071	O					0.25
324.250	0.00	0.01	0.071	O					0.25
324.333	0.00	0.01	0.071	O					0.25
324.417	0.00	0.01	0.071	O					0.25
324.500	0.00	0.01	0.071	O					0.25
324.583	0.00	0.01	0.071	O					0.25
324.667	0.00	0.01	0.071	O					0.25
324.750	0.00	0.01	0.070	O					0.25
324.833	0.00	0.01	0.070	O					0.25
324.917	0.00	0.01	0.070	O					0.25
325.000	0.00	0.01	0.070	O					0.25
325.083	0.00	0.01	0.070	O					0.25
325.167	0.00	0.01	0.070	O					0.25
325.250	0.00	0.01	0.070	O					0.25
325.333	0.00	0.01	0.070	O					0.25
325.417	0.00	0.01	0.070	O					0.25
325.500	0.00	0.01	0.070	O					0.25
325.583	0.00	0.01	0.070	O					0.25
325.667	0.00	0.01	0.070	O					0.25
325.750	0.00	0.01	0.070	O					0.25
325.833	0.00	0.01	0.070	O					0.25
325.917	0.00	0.01	0.070	O					0.25
326.000	0.00	0.01	0.070	O					0.25
326.083	0.00	0.01	0.070	O					0.25
326.167	0.00	0.01	0.070	O					0.25
326.250	0.00	0.01	0.070	O					0.25
326.333	0.00	0.01	0.070	O					0.25
326.417	0.00	0.01	0.070	O					0.25
326.500	0.00	0.01	0.069	O					0.25
326.583	0.00	0.01	0.069	O					0.25
326.667	0.00	0.01	0.069	O					0.25
326.750	0.00	0.01	0.069	O					0.25
326.833	0.00	0.01	0.069	O					0.25
326.917	0.00	0.01	0.069	O					0.25
327.000	0.00	0.01	0.069	O					0.25
327.083	0.00	0.01	0.069	O					0.25
327.167	0.00	0.01	0.069	O					0.25
327.250	0.00	0.01	0.069	O					0.25
327.333	0.00	0.01	0.069	O					0.25
327.417	0.00	0.01	0.069	O					0.25
327.500	0.00	0.01	0.069	O					0.25
327.583	0.00	0.01	0.069	O					0.25
327.667	0.00	0.01	0.069	O					0.25
327.750	0.00	0.01	0.069	O					0.25
327.833	0.00	0.01	0.069	O					0.25
327.917	0.00	0.01	0.069	O					0.25
328.000	0.00	0.01	0.069	O					0.25
328.083	0.00	0.01	0.069	O					0.25
328.167	0.00	0.01	0.069	O					0.25
328.250	0.00	0.01	0.068	O					0.25
328.333	0.00	0.01	0.068	O					0.25
328.417	0.00	0.01	0.068	O					0.24
328.500	0.00	0.01	0.068	O					0.24
328.583	0.00	0.01	0.068	O					0.24
328.667	0.00	0.01	0.068	O					0.24

328.750	0.00	0.01	0.068	O					0.24
328.833	0.00	0.01	0.068	O					0.24
328.917	0.00	0.01	0.068	O					0.24
329.000	0.00	0.01	0.068	O					0.24
329.083	0.00	0.01	0.068	O					0.24
329.167	0.00	0.01	0.068	O					0.24
329.250	0.00	0.01	0.068	O					0.24
329.333	0.00	0.01	0.068	O					0.24
329.417	0.00	0.01	0.068	O					0.24
329.500	0.00	0.01	0.068	O					0.24
329.583	0.00	0.01	0.068	O					0.24
329.667	0.00	0.01	0.068	O					0.24
329.750	0.00	0.01	0.068	O					0.24
329.833	0.00	0.01	0.068	O					0.24
329.917	0.00	0.01	0.068	O					0.24
330.000	0.00	0.01	0.068	O					0.24
330.083	0.00	0.01	0.067	O					0.24
330.167	0.00	0.01	0.067	O					0.24
330.250	0.00	0.01	0.067	O					0.24
330.333	0.00	0.01	0.067	O					0.24
330.417	0.00	0.01	0.067	O					0.24
330.500	0.00	0.01	0.067	O					0.24
330.583	0.00	0.01	0.067	O					0.24
330.667	0.00	0.01	0.067	O					0.24
330.750	0.00	0.01	0.067	O					0.24
330.833	0.00	0.01	0.067	O					0.24
330.917	0.00	0.01	0.067	O					0.24
331.000	0.00	0.01	0.067	O					0.24
331.083	0.00	0.01	0.067	O					0.24
331.167	0.00	0.01	0.067	O					0.24
331.250	0.00	0.01	0.067	O					0.24
331.333	0.00	0.01	0.067	O					0.24
331.417	0.00	0.01	0.067	O					0.24
331.500	0.00	0.01	0.067	O					0.24
331.583	0.00	0.01	0.067	O					0.24
331.667	0.00	0.01	0.067	O					0.24
331.750	0.00	0.01	0.067	O					0.24
331.833	0.00	0.01	0.067	O					0.24
331.917	0.00	0.01	0.066	O					0.24
332.000	0.00	0.01	0.066	O					0.24
332.083	0.00	0.01	0.066	O					0.24
332.167	0.00	0.01	0.066	O					0.24
332.250	0.00	0.01	0.066	O					0.24
332.333	0.00	0.01	0.066	O					0.24
332.417	0.00	0.01	0.066	O					0.24
332.500	0.00	0.01	0.066	O					0.24
332.583	0.00	0.01	0.066	O					0.24
332.667	0.00	0.01	0.066	O					0.24
332.750	0.00	0.01	0.066	O					0.24
332.833	0.00	0.01	0.066	O					0.24
332.917	0.00	0.01	0.066	O					0.24
333.000	0.00	0.01	0.066	O					0.24
333.083	0.00	0.01	0.066	O					0.24
333.167	0.00	0.01	0.066	O					0.24
333.250	0.00	0.01	0.066	O					0.24
333.333	0.00	0.01	0.066	O					0.24
333.417	0.00	0.01	0.066	O					0.24
333.500	0.00	0.01	0.066	O					0.23
333.583	0.00	0.01	0.066	O					0.23
333.667	0.00	0.01	0.066	O					0.23
333.750	0.00	0.01	0.065	O					0.23
333.833	0.00	0.01	0.065	O					0.23
333.917	0.00	0.01	0.065	O					0.23
334.000	0.00	0.01	0.065	O					0.23
334.083	0.00	0.01	0.065	O					0.23
334.167	0.00	0.01	0.065	O					0.23
334.250	0.00	0.01	0.065	O					0.23
334.333	0.00	0.01	0.065	O					0.23
334.417	0.00	0.01	0.065	O					0.23
334.500	0.00	0.01	0.065	O					0.23
334.583	0.00	0.01	0.065	O					0.23
334.667	0.00	0.01	0.065	O					0.23
334.750	0.00	0.01	0.065	O					0.23

334.833	0.00	0.01	0.065	O					0.23
334.917	0.00	0.01	0.065	O					0.23
335.000	0.00	0.01	0.065	O					0.23
335.083	0.00	0.01	0.065	O					0.23
335.167	0.00	0.01	0.065	O					0.23
335.250	0.00	0.01	0.065	O					0.23
335.333	0.00	0.01	0.065	O					0.23
335.417	0.00	0.01	0.065	O					0.23
335.500	0.00	0.01	0.065	O					0.23
335.583	0.00	0.01	0.065	O					0.23
335.667	0.00	0.01	0.064	O					0.23
335.750	0.00	0.01	0.064	O					0.23
335.833	0.00	0.01	0.064	O					0.23
335.917	0.00	0.01	0.064	O					0.23
336.000	0.00	0.01	0.064	O					0.23
336.083	0.00	0.01	0.064	O					0.23
336.167	0.00	0.01	0.064	O					0.23
336.250	0.00	0.01	0.064	O					0.23
336.333	0.00	0.01	0.064	O					0.23
336.417	0.00	0.01	0.064	O					0.23
336.500	0.00	0.01	0.064	O					0.23
336.583	0.00	0.01	0.064	O					0.23
336.667	0.00	0.01	0.064	O					0.23
336.750	0.00	0.01	0.064	O					0.23
336.833	0.00	0.01	0.064	O					0.23
336.917	0.00	0.01	0.064	O					0.23
337.000	0.00	0.01	0.064	O					0.23
337.083	0.00	0.01	0.064	O					0.23
337.167	0.00	0.01	0.064	O					0.23
337.250	0.00	0.01	0.064	O					0.23
337.333	0.00	0.01	0.064	O					0.23
337.417	0.00	0.01	0.064	O					0.23
337.500	0.00	0.01	0.063	O					0.23
337.583	0.00	0.01	0.063	O					0.23
337.667	0.00	0.01	0.063	O					0.23
337.750	0.00	0.01	0.063	O					0.23
337.833	0.00	0.01	0.063	O					0.23
337.917	0.00	0.01	0.063	O					0.23
338.000	0.00	0.01	0.063	O					0.23
338.083	0.00	0.01	0.063	O					0.23
338.167	0.00	0.01	0.063	O					0.23
338.250	0.00	0.01	0.063	O					0.23
338.333	0.00	0.01	0.063	O					0.23
338.417	0.00	0.01	0.063	O					0.23
338.500	0.00	0.01	0.063	O					0.23
338.583	0.00	0.01	0.063	O					0.23
338.667	0.00	0.01	0.063	O					0.23
338.750	0.00	0.01	0.063	O					0.23
338.833	0.00	0.01	0.063	O					0.22
338.917	0.00	0.01	0.063	O					0.22
339.000	0.00	0.01	0.063	O					0.22
339.083	0.00	0.01	0.063	O					0.22
339.167	0.00	0.01	0.063	O					0.22
339.250	0.00	0.01	0.063	O					0.22
339.333	0.00	0.01	0.063	O					0.22
339.417	0.00	0.01	0.063	O					0.22
339.500	0.00	0.01	0.062	O					0.22
339.583	0.00	0.01	0.062	O					0.22
339.667	0.00	0.01	0.062	O					0.22
339.750	0.00	0.01	0.062	O					0.22
339.833	0.00	0.01	0.062	O					0.22
339.917	0.00	0.01	0.062	O					0.22
340.000	0.00	0.01	0.062	O					0.22
340.083	0.00	0.01	0.062	O					0.22
340.167	0.00	0.01	0.062	O					0.22
340.250	0.00	0.01	0.062	O					0.22
340.333	0.00	0.01	0.062	O					0.22
340.417	0.00	0.01	0.062	O					0.22
340.500	0.00	0.01	0.062	O					0.22
340.583	0.00	0.01	0.062	O					0.22
340.667	0.00	0.01	0.062	O					0.22
340.750	0.00	0.01	0.062	O					0.22
340.833	0.00	0.01	0.062	O					0.22

340.917	0.00	0.01	0.062	O					0.22
341.000	0.00	0.01	0.062	O					0.22
341.083	0.00	0.01	0.062	O					0.22
341.167	0.00	0.01	0.062	O					0.22
341.250	0.00	0.01	0.062	O					0.22
341.333	0.00	0.01	0.062	O					0.22
341.417	0.00	0.01	0.062	O					0.22
341.500	0.00	0.01	0.061	O					0.22
341.583	0.00	0.01	0.061	O					0.22
341.667	0.00	0.01	0.061	O					0.22
341.750	0.00	0.01	0.061	O					0.22
341.833	0.00	0.01	0.061	O					0.22
341.917	0.00	0.01	0.061	O					0.22
342.000	0.00	0.01	0.061	O					0.22
342.083	0.00	0.01	0.061	O					0.22
342.167	0.00	0.01	0.061	O					0.22
342.250	0.00	0.01	0.061	O					0.22
342.333	0.00	0.01	0.061	O					0.22
342.417	0.00	0.01	0.061	O					0.22
342.500	0.00	0.01	0.061	O					0.22
342.583	0.00	0.01	0.061	O					0.22
342.667	0.00	0.01	0.061	O					0.22
342.750	0.00	0.01	0.061	O					0.22
342.833	0.00	0.01	0.061	O					0.22
342.917	0.00	0.01	0.061	O					0.22
343.000	0.00	0.01	0.061	O					0.22
343.083	0.00	0.01	0.061	O					0.22
343.167	0.00	0.01	0.061	O					0.22
343.250	0.00	0.01	0.061	O					0.22
343.333	0.00	0.01	0.061	O					0.22
343.417	0.00	0.01	0.061	O					0.22
343.500	0.00	0.01	0.060	O					0.22
343.583	0.00	0.01	0.060	O					0.22
343.667	0.00	0.01	0.060	O					0.22
343.750	0.00	0.01	0.060	O					0.22
343.833	0.00	0.01	0.060	O					0.22
343.917	0.00	0.01	0.060	O					0.22
344.000	0.00	0.01	0.060	O					0.22
344.083	0.00	0.01	0.060	O					0.22
344.167	0.00	0.01	0.060	O					0.22
344.250	0.00	0.01	0.060	O					0.22
344.333	0.00	0.01	0.060	O					0.22
344.417	0.00	0.01	0.060	O					0.21
344.500	0.00	0.01	0.060	O					0.21
344.583	0.00	0.01	0.060	O					0.21
344.667	0.00	0.01	0.060	O					0.21
344.750	0.00	0.01	0.060	O					0.21
344.833	0.00	0.01	0.060	O					0.21
344.917	0.00	0.01	0.060	O					0.21
345.000	0.00	0.01	0.060	O					0.21
345.083	0.00	0.01	0.060	O					0.21
345.167	0.00	0.01	0.060	O					0.21
345.250	0.00	0.01	0.060	O					0.21
345.333	0.00	0.01	0.060	O					0.21
345.417	0.00	0.01	0.060	O					0.21
345.500	0.00	0.01	0.059	O					0.21
345.583	0.00	0.01	0.059	O					0.21
345.667	0.00	0.01	0.059	O					0.21
345.750	0.00	0.01	0.059	O					0.21
345.833	0.00	0.01	0.059	O					0.21
345.917	0.00	0.01	0.059	O					0.21
346.000	0.00	0.01	0.059	O					0.21
346.083	0.00	0.01	0.059	O					0.21
346.167	0.00	0.01	0.059	O					0.21
346.250	0.00	0.01	0.059	O					0.21
346.333	0.00	0.01	0.059	O					0.21
346.417	0.00	0.01	0.059	O					0.21
346.500	0.00	0.01	0.059	O					0.21
346.583	0.00	0.01	0.059	O					0.21
346.667	0.00	0.01	0.059	O					0.21
346.750	0.00	0.01	0.059	O					0.21
346.833	0.00	0.01	0.059	O					0.21
346.917	0.00	0.01	0.059	O					0.21

347.000	0.00	0.01	0.059	O					0.21
347.083	0.00	0.01	0.059	O					0.21
347.167	0.00	0.01	0.059	O					0.21
347.250	0.00	0.01	0.059	O					0.21
347.333	0.00	0.01	0.059	O					0.21
347.417	0.00	0.01	0.059	O					0.21
347.500	0.00	0.01	0.059	O					0.21
347.583	0.00	0.01	0.058	O					0.21
347.667	0.00	0.01	0.058	O					0.21
347.750	0.00	0.01	0.058	O					0.21
347.833	0.00	0.01	0.058	O					0.21
347.917	0.00	0.01	0.058	O					0.21
348.000	0.00	0.01	0.058	O					0.21
348.083	0.00	0.01	0.058	O					0.21
348.167	0.00	0.01	0.058	O					0.21
348.250	0.00	0.01	0.058	O					0.21
348.333	0.00	0.01	0.058	O					0.21
348.417	0.00	0.01	0.058	O					0.21
348.500	0.00	0.01	0.058	O					0.21
348.583	0.00	0.01	0.058	O					0.21
348.667	0.00	0.01	0.058	O					0.21
348.750	0.00	0.01	0.058	O					0.21
348.833	0.00	0.01	0.058	O					0.21
348.917	0.00	0.01	0.058	O					0.21
349.000	0.00	0.01	0.058	O					0.21
349.083	0.00	0.01	0.058	O					0.21
349.167	0.00	0.01	0.058	O					0.21
349.250	0.00	0.01	0.058	O					0.21
349.333	0.00	0.01	0.058	O					0.21
349.417	0.00	0.01	0.058	O					0.21
349.500	0.00	0.01	0.058	O					0.21
349.583	0.00	0.01	0.058	O					0.21
349.667	0.00	0.01	0.057	O					0.21
349.750	0.00	0.01	0.057	O					0.21
349.833	0.00	0.01	0.057	O					0.21
349.917	0.00	0.01	0.057	O					0.21
350.000	0.00	0.01	0.057	O					0.21
350.083	0.00	0.01	0.057	O					0.21
350.167	0.00	0.01	0.057	O					0.21
350.250	0.00	0.01	0.057	O					0.20
350.333	0.00	0.01	0.057	O					0.20
350.417	0.00	0.01	0.057	O					0.20
350.500	0.00	0.01	0.057	O					0.20
350.583	0.00	0.01	0.057	O					0.20
350.667	0.00	0.01	0.057	O					0.20
350.750	0.00	0.01	0.057	O					0.20
350.833	0.00	0.01	0.057	O					0.20
350.917	0.00	0.01	0.057	O					0.20
351.000	0.00	0.01	0.057	O					0.20
351.083	0.00	0.01	0.057	O					0.20
351.167	0.00	0.01	0.057	O					0.20
351.250	0.00	0.01	0.057	O					0.20
351.333	0.00	0.01	0.057	O					0.20
351.417	0.00	0.01	0.057	O					0.20
351.500	0.00	0.01	0.057	O					0.20
351.583	0.00	0.01	0.057	O					0.20
351.667	0.00	0.01	0.057	O					0.20
351.750	0.00	0.01	0.057	O					0.20
351.833	0.00	0.01	0.056	O					0.20
351.917	0.00	0.01	0.056	O					0.20
352.000	0.00	0.01	0.056	O					0.20
352.083	0.00	0.01	0.056	O					0.20
352.167	0.00	0.01	0.056	O					0.20
352.250	0.00	0.01	0.056	O					0.20
352.333	0.00	0.01	0.056	O					0.20
352.417	0.00	0.01	0.056	O					0.20
352.500	0.00	0.01	0.056	O					0.20
352.583	0.00	0.01	0.056	O					0.20
352.667	0.00	0.01	0.056	O					0.20
352.750	0.00	0.01	0.056	O					0.20
352.833	0.00	0.01	0.056	O					0.20
352.917	0.00	0.01	0.056	O					0.20
353.000	0.00	0.01	0.056	O					0.20

353.083	0.00	0.01	0.056	O					0.20
353.167	0.00	0.01	0.056	O					0.20
353.250	0.00	0.01	0.056	O					0.20
353.333	0.00	0.01	0.056	O					0.20
353.417	0.00	0.01	0.056	O					0.20
353.500	0.00	0.01	0.056	O					0.20
353.583	0.00	0.01	0.056	O					0.20
353.667	0.00	0.01	0.056	O					0.20
353.750	0.00	0.01	0.056	O					0.20
353.833	0.00	0.01	0.056	O					0.20
353.917	0.00	0.01	0.056	O					0.20
354.000	0.00	0.01	0.055	O					0.20
354.083	0.00	0.01	0.055	O					0.20
354.167	0.00	0.01	0.055	O					0.20
354.250	0.00	0.01	0.055	O					0.20
354.333	0.00	0.01	0.055	O					0.20
354.417	0.00	0.01	0.055	O					0.20
354.500	0.00	0.01	0.055	O					0.20
354.583	0.00	0.01	0.055	O					0.20
354.667	0.00	0.01	0.055	O					0.20
354.750	0.00	0.01	0.055	O					0.20
354.833	0.00	0.01	0.055	O					0.20
354.917	0.00	0.01	0.055	O					0.20
355.000	0.00	0.01	0.055	O					0.20
355.083	0.00	0.01	0.055	O					0.20
355.167	0.00	0.01	0.055	O					0.20
355.250	0.00	0.01	0.055	O					0.20
355.333	0.00	0.01	0.055	O					0.20
355.417	0.00	0.01	0.055	O					0.20
355.500	0.00	0.01	0.055	O					0.20
355.583	0.00	0.01	0.055	O					0.20
355.667	0.00	0.01	0.055	O					0.20
355.750	0.00	0.01	0.055	O					0.20
355.833	0.00	0.01	0.055	O					0.20
355.917	0.00	0.01	0.055	O					0.20
356.000	0.00	0.01	0.055	O					0.20
356.083	0.00	0.01	0.055	O					0.20
356.167	0.00	0.01	0.055	O					0.20
356.250	0.00	0.01	0.054	O					0.20
356.333	0.00	0.01	0.054	O					0.19
356.417	0.00	0.01	0.054	O					0.19
356.500	0.00	0.01	0.054	O					0.19
356.583	0.00	0.01	0.054	O					0.19
356.667	0.00	0.01	0.054	O					0.19
356.750	0.00	0.01	0.054	O					0.19
356.833	0.00	0.01	0.054	O					0.19
356.917	0.00	0.01	0.054	O					0.19
357.000	0.00	0.01	0.054	O					0.19
357.083	0.00	0.01	0.054	O					0.19
357.167	0.00	0.01	0.054	O					0.19
357.250	0.00	0.01	0.054	O					0.19
357.333	0.00	0.01	0.054	O					0.19
357.417	0.00	0.01	0.054	O					0.19
357.500	0.00	0.01	0.054	O					0.19
357.583	0.00	0.01	0.054	O					0.19
357.667	0.00	0.01	0.054	O					0.19
357.750	0.00	0.01	0.054	O					0.19
357.833	0.00	0.01	0.054	O					0.19
357.917	0.00	0.01	0.054	O					0.19
358.000	0.00	0.01	0.054	O					0.19
358.083	0.00	0.01	0.054	O					0.19
358.167	0.00	0.01	0.054	O					0.19
358.250	0.00	0.01	0.054	O					0.19
358.333	0.00	0.01	0.054	O					0.19
358.417	0.00	0.01	0.054	O					0.19
358.500	0.00	0.01	0.053	O					0.19
358.583	0.00	0.01	0.053	O					0.19
358.667	0.00	0.01	0.053	O					0.19
358.750	0.00	0.01	0.053	O					0.19
358.833	0.00	0.01	0.053	O					0.19
358.917	0.00	0.01	0.053	O					0.19
359.000	0.00	0.01	0.053	O					0.19
359.083	0.00	0.01	0.053	O					0.19

359.167	0.00	0.01	0.053	O					0.19
359.250	0.00	0.01	0.053	O					0.19
359.333	0.00	0.01	0.053	O					0.19
359.417	0.00	0.01	0.053	O					0.19
359.500	0.00	0.01	0.053	O					0.19
359.583	0.00	0.01	0.053	O					0.19
359.667	0.00	0.01	0.053	O					0.19
359.750	0.00	0.01	0.053	O					0.19
359.833	0.00	0.01	0.053	O					0.19
359.917	0.00	0.01	0.053	O					0.19
360.000	0.00	0.01	0.053	O					0.19
360.083	0.00	0.01	0.053	O					0.19
360.167	0.00	0.01	0.053	O					0.19
360.250	0.00	0.01	0.053	O					0.19
360.333	0.00	0.01	0.053	O					0.19
360.417	0.00	0.01	0.053	O					0.19
360.500	0.00	0.01	0.053	O					0.19
360.583	0.00	0.01	0.053	O					0.19
360.667	0.00	0.01	0.053	O					0.19
360.750	0.00	0.01	0.053	O					0.19
360.833	0.00	0.01	0.052	O					0.19
360.917	0.00	0.01	0.052	O					0.19
361.000	0.00	0.01	0.052	O					0.19
361.083	0.00	0.01	0.052	O					0.19
361.167	0.00	0.01	0.052	O					0.19
361.250	0.00	0.01	0.052	O					0.19
361.333	0.00	0.01	0.052	O					0.19
361.417	0.00	0.01	0.052	O					0.19
361.500	0.00	0.01	0.052	O					0.19
361.583	0.00	0.01	0.052	O					0.19
361.667	0.00	0.01	0.052	O					0.19
361.750	0.00	0.01	0.052	O					0.19
361.833	0.00	0.01	0.052	O					0.19
361.917	0.00	0.01	0.052	O					0.19
362.000	0.00	0.01	0.052	O					0.19
362.083	0.00	0.01	0.052	O					0.19
362.167	0.00	0.01	0.052	O					0.19
362.250	0.00	0.01	0.052	O					0.19
362.333	0.00	0.01	0.052	O					0.19
362.417	0.00	0.01	0.052	O					0.19
362.500	0.00	0.01	0.052	O					0.19
362.583	0.00	0.01	0.052	O					0.19
362.667	0.00	0.01	0.052	O					0.19
362.750	0.00	0.01	0.052	O					0.19
362.833	0.00	0.01	0.052	O					0.18
362.917	0.00	0.01	0.052	O					0.18
363.000	0.00	0.01	0.052	O					0.18
363.083	0.00	0.01	0.052	O					0.18
363.167	0.00	0.01	0.051	O					0.18
363.250	0.00	0.01	0.051	O					0.18
363.333	0.00	0.01	0.051	O					0.18
363.417	0.00	0.01	0.051	O					0.18
363.500	0.00	0.01	0.051	O					0.18
363.583	0.00	0.01	0.051	O					0.18
363.667	0.00	0.01	0.051	O					0.18
363.750	0.00	0.01	0.051	O					0.18
363.833	0.00	0.01	0.051	O					0.18
363.917	0.00	0.01	0.051	O					0.18
364.000	0.00	0.01	0.051	O					0.18
364.083	0.00	0.01	0.051	O					0.18
364.167	0.00	0.01	0.051	O					0.18
364.250	0.00	0.01	0.051	O					0.18
364.333	0.00	0.01	0.051	O					0.18
364.417	0.00	0.01	0.051	O					0.18
364.500	0.00	0.01	0.051	O					0.18
364.583	0.00	0.01	0.051	O					0.18
364.667	0.00	0.01	0.051	O					0.18
364.750	0.00	0.01	0.051	O					0.18
364.833	0.00	0.01	0.051	O					0.18
364.917	0.00	0.01	0.051	O					0.18
365.000	0.00	0.01	0.051	O					0.18
365.083	0.00	0.01	0.051	O					0.18
365.167	0.00	0.01	0.051	O					0.18

365.250	0.00	0.01	0.051	O	|	|	|	|	0.18
365.333	0.00	0.00	0.051	O	|	|	|	|	0.18
365.417	0.00	0.00	0.051	O	|	|	|	|	0.18
365.500	0.00	0.00	0.051	O	|	|	|	|	0.18
365.583	0.00	0.00	0.050	O	|	|	|	|	0.18
365.667	0.00	0.00	0.050	O	|	|	|	|	0.18
365.750	0.00	0.00	0.050	O	|	|	|	|	0.18
365.833	0.00	0.00	0.050	O	|	|	|	|	0.18
365.917	0.00	0.00	0.050	O	|	|	|	|	0.18
366.000	0.00	0.00	0.050	O	|	|	|	|	0.18
366.083	0.00	0.00	0.050	O	|	|	|	|	0.18
366.167	0.00	0.00	0.050	O	|	|	|	|	0.18
366.250	0.00	0.00	0.050	O	|	|	|	|	0.18
366.333	0.00	0.00	0.050	O	|	|	|	|	0.18
366.417	0.00	0.00	0.050	O	|	|	|	|	0.18
366.500	0.00	0.00	0.050	O	|	|	|	|	0.18
366.583	0.00	0.00	0.050	O	|	|	|	|	0.18
366.667	0.00	0.00	0.050	O	|	|	|	|	0.18
366.750	0.00	0.00	0.050	O	|	|	|	|	0.18
366.833	0.00	0.00	0.050	O	|	|	|	|	0.18
366.917	0.00	0.00	0.050	O	|	|	|	|	0.18
367.000	0.00	0.00	0.050	O	|	|	|	|	0.18
367.083	0.00	0.00	0.050	O	|	|	|	|	0.18
367.167	0.00	0.00	0.050	O	|	|	|	|	0.18
367.250	0.00	0.00	0.050	O	|	|	|	|	0.18
367.333	0.00	0.00	0.050	O	|	|	|	|	0.18
367.417	0.00	0.00	0.050	O	|	|	|	|	0.18
367.500	0.00	0.00	0.050	O	|	|	|	|	0.18
367.583	0.00	0.00	0.050	O	|	|	|	|	0.18
367.667	0.00	0.00	0.050	O	|	|	|	|	0.18
367.750	0.00	0.00	0.050	O	|	|	|	|	0.18
367.833	0.00	0.00	0.050	O	|	|	|	|	0.18
367.917	0.00	0.00	0.050	O	|	|	|	|	0.18
368.000	0.00	0.00	0.050	O	|	|	|	|	0.18
368.083	0.00	0.00	0.049	O	|	|	|	|	0.18
368.167	0.00	0.00	0.049	O	|	|	|	|	0.18
368.250	0.00	0.00	0.049	O	|	|	|	|	0.18
368.333	0.00	0.00	0.049	O	|	|	|	|	0.18
368.417	0.00	0.00	0.049	O	|	|	|	|	0.18
368.500	0.00	0.00	0.049	O	|	|	|	|	0.18
368.583	0.00	0.00	0.049	O	|	|	|	|	0.18
368.667	0.00	0.00	0.049	O	|	|	|	|	0.18
368.750	0.00	0.00	0.049	O	|	|	|	|	0.18
368.833	0.00	0.00	0.049	O	|	|	|	|	0.18
368.917	0.00	0.00	0.049	O	|	|	|	|	0.18
369.000	0.00	0.00	0.049	O	|	|	|	|	0.18
369.083	0.00	0.00	0.049	O	|	|	|	|	0.18
369.167	0.00	0.00	0.049	O	|	|	|	|	0.18
369.250	0.00	0.00	0.049	O	|	|	|	|	0.18
369.333	0.00	0.00	0.049	O	|	|	|	|	0.18
369.417	0.00	0.00	0.049	O	|	|	|	|	0.18
369.500	0.00	0.00	0.049	O	|	|	|	|	0.18
369.583	0.00	0.00	0.049	O	|	|	|	|	0.17
369.667	0.00	0.00	0.049	O	|	|	|	|	0.17
369.750	0.00	0.00	0.049	O	|	|	|	|	0.17
369.833	0.00	0.00	0.049	O	|	|	|	|	0.17
369.917	0.00	0.00	0.049	O	|	|	|	|	0.17
370.000	0.00	0.00	0.049	O	|	|	|	|	0.17
370.083	0.00	0.00	0.049	O	|	|	|	|	0.17
370.167	0.00	0.00	0.049	O	|	|	|	|	0.17
370.250	0.00	0.00	0.049	O	|	|	|	|	0.17
370.333	0.00	0.00	0.049	O	|	|	|	|	0.17
370.417	0.00	0.00	0.049	O	|	|	|	|	0.17
370.500	0.00	0.00	0.049	O	|	|	|	|	0.17
370.583	0.00	0.00	0.048	O	|	|	|	|	0.17
370.667	0.00	0.00	0.048	O	|	|	|	|	0.17
370.750	0.00	0.00	0.048	O	|	|	|	|	0.17
370.833	0.00	0.00	0.048	O	|	|	|	|	0.17
370.917	0.00	0.00	0.048	O	|	|	|	|	0.17
371.000	0.00	0.00	0.048	O	|	|	|	|	0.17
371.083	0.00	0.00	0.048	O	|	|	|	|	0.17
371.167	0.00	0.00	0.048	O	|	|	|	|	0.17
371.250	0.00	0.00	0.048	O	|	|	|	|	0.17

371.333	0.00	0.00	0.048	O					0.17
371.417	0.00	0.00	0.048	O					0.17
371.500	0.00	0.00	0.048	O					0.17
371.583	0.00	0.00	0.048	O					0.17
371.667	0.00	0.00	0.048	O					0.17
371.750	0.00	0.00	0.048	O					0.17
371.833	0.00	0.00	0.048	O					0.17
371.917	0.00	0.00	0.048	O					0.17
372.000	0.00	0.00	0.048	O					0.17
372.083	0.00	0.00	0.048	O					0.17
372.167	0.00	0.00	0.048	O					0.17
372.250	0.00	0.00	0.048	O					0.17
372.333	0.00	0.00	0.048	O					0.17
372.417	0.00	0.00	0.048	O					0.17
372.500	0.00	0.00	0.048	O					0.17
372.583	0.00	0.00	0.048	O					0.17
372.667	0.00	0.00	0.048	O					0.17
372.750	0.00	0.00	0.048	O					0.17
372.833	0.00	0.00	0.048	O					0.17
372.917	0.00	0.00	0.048	O					0.17
373.000	0.00	0.00	0.048	O					0.17
373.083	0.00	0.00	0.047	O					0.17
373.167	0.00	0.00	0.047	O					0.17
373.250	0.00	0.00	0.047	O					0.17
373.333	0.00	0.00	0.047	O					0.17
373.417	0.00	0.00	0.047	O					0.17
373.500	0.00	0.00	0.047	O					0.17
373.583	0.00	0.00	0.047	O					0.17
373.667	0.00	0.00	0.047	O					0.17
373.750	0.00	0.00	0.047	O					0.17
373.833	0.00	0.00	0.047	O					0.17
373.917	0.00	0.00	0.047	O					0.17
374.000	0.00	0.00	0.047	O					0.17
374.083	0.00	0.00	0.047	O					0.17
374.167	0.00	0.00	0.047	O					0.17
374.250	0.00	0.00	0.047	O					0.17
374.333	0.00	0.00	0.047	O					0.17
374.417	0.00	0.00	0.047	O					0.17
374.500	0.00	0.00	0.047	O					0.17
374.583	0.00	0.00	0.047	O					0.17
374.667	0.00	0.00	0.047	O					0.17
374.750	0.00	0.00	0.047	O					0.17
374.833	0.00	0.00	0.047	O					0.17
374.917	0.00	0.00	0.047	O					0.17
375.000	0.00	0.00	0.047	O					0.17
375.083	0.00	0.00	0.047	O					0.17
375.167	0.00	0.00	0.047	O					0.17
375.250	0.00	0.00	0.047	O					0.17
375.333	0.00	0.00	0.047	O					0.17
375.417	0.00	0.00	0.047	O					0.17
375.500	0.00	0.00	0.047	O					0.17
375.583	0.00	0.00	0.047	O					0.17
375.667	0.00	0.00	0.047	O					0.17
375.750	0.00	0.00	0.046	O					0.17
375.833	0.00	0.00	0.046	O					0.17
375.917	0.00	0.00	0.046	O					0.17
376.000	0.00	0.00	0.046	O					0.17
376.083	0.00	0.00	0.046	O					0.17
376.167	0.00	0.00	0.046	O					0.17
376.250	0.00	0.00	0.046	O					0.17
376.333	0.00	0.00	0.046	O					0.17
376.417	0.00	0.00	0.046	O					0.17
376.500	0.00	0.00	0.046	O					0.17
376.583	0.00	0.00	0.046	O					0.17
376.667	0.00	0.00	0.046	O					0.17
376.750	0.00	0.00	0.046	O					0.17
376.833	0.00	0.00	0.046	O					0.16
376.917	0.00	0.00	0.046	O					0.16
377.000	0.00	0.00	0.046	O					0.16
377.083	0.00	0.00	0.046	O					0.16
377.167	0.00	0.00	0.046	O					0.16
377.250	0.00	0.00	0.046	O					0.16
377.333	0.00	0.00	0.046	O					0.16

377.417	0.00	0.00	0.046	O					0.16
377.500	0.00	0.00	0.046	O					0.16
377.583	0.00	0.00	0.046	O					0.16
377.667	0.00	0.00	0.046	O					0.16
377.750	0.00	0.00	0.046	O					0.16
377.833	0.00	0.00	0.046	O					0.16
377.917	0.00	0.00	0.046	O					0.16
378.000	0.00	0.00	0.046	O					0.16
378.083	0.00	0.00	0.046	O					0.16
378.167	0.00	0.00	0.046	O					0.16
378.250	0.00	0.00	0.046	O					0.16
378.333	0.00	0.00	0.046	O					0.16
378.417	0.00	0.00	0.045	O					0.16
378.500	0.00	0.00	0.045	O					0.16
378.583	0.00	0.00	0.045	O					0.16
378.667	0.00	0.00	0.045	O					0.16
378.750	0.00	0.00	0.045	O					0.16
378.833	0.00	0.00	0.045	O					0.16
378.917	0.00	0.00	0.045	O					0.16
379.000	0.00	0.00	0.045	O					0.16
379.083	0.00	0.00	0.045	O					0.16
379.167	0.00	0.00	0.045	O					0.16
379.250	0.00	0.00	0.045	O					0.16
379.333	0.00	0.00	0.045	O					0.16
379.417	0.00	0.00	0.045	O					0.16
379.500	0.00	0.00	0.045	O					0.16
379.583	0.00	0.00	0.045	O					0.16
379.667	0.00	0.00	0.045	O					0.16
379.750	0.00	0.00	0.045	O					0.16
379.833	0.00	0.00	0.045	O					0.16
379.917	0.00	0.00	0.045	O					0.16
380.000	0.00	0.00	0.045	O					0.16
380.083	0.00	0.00	0.045	O					0.16
380.167	0.00	0.00	0.045	O					0.16
380.250	0.00	0.00	0.045	O					0.16
380.333	0.00	0.00	0.045	O					0.16
380.417	0.00	0.00	0.045	O					0.16
380.500	0.00	0.00	0.045	O					0.16
380.583	0.00	0.00	0.045	O					0.16
380.667	0.00	0.00	0.045	O					0.16
380.750	0.00	0.00	0.045	O					0.16
380.833	0.00	0.00	0.045	O					0.16
380.917	0.00	0.00	0.045	O					0.16
381.000	0.00	0.00	0.045	O					0.16
381.083	0.00	0.00	0.044	O					0.16
381.167	0.00	0.00	0.044	O					0.16
381.250	0.00	0.00	0.044	O					0.16
381.333	0.00	0.00	0.044	O					0.16
381.417	0.00	0.00	0.044	O					0.16
381.500	0.00	0.00	0.044	O					0.16
381.583	0.00	0.00	0.044	O					0.16
381.667	0.00	0.00	0.044	O					0.16
381.750	0.00	0.00	0.044	O					0.16
381.833	0.00	0.00	0.044	O					0.16
381.917	0.00	0.00	0.044	O					0.16
382.000	0.00	0.00	0.044	O					0.16
382.083	0.00	0.00	0.044	O					0.16
382.167	0.00	0.00	0.044	O					0.16
382.250	0.00	0.00	0.044	O					0.16
382.333	0.00	0.00	0.044	O					0.16
382.417	0.00	0.00	0.044	O					0.16
382.500	0.00	0.00	0.044	O					0.16
382.583	0.00	0.00	0.044	O					0.16
382.667	0.00	0.00	0.044	O					0.16
382.750	0.00	0.00	0.044	O					0.16
382.833	0.00	0.00	0.044	O					0.16
382.917	0.00	0.00	0.044	O					0.16
383.000	0.00	0.00	0.044	O					0.16
383.083	0.00	0.00	0.044	O					0.16
383.167	0.00	0.00	0.044	O					0.16
383.250	0.00	0.00	0.044	O					0.16
383.333	0.00	0.00	0.044	O					0.16
383.417	0.00	0.00	0.044	O					0.16

383.500	0.00	0.00	0.044	O					0.16
383.583	0.00	0.00	0.044	O					0.16
383.667	0.00	0.00	0.044	O					0.16
383.750	0.00	0.00	0.044	O					0.16
383.833	0.00	0.00	0.044	O					0.16
383.917	0.00	0.00	0.043	O					0.16
384.000	0.00	0.00	0.043	O					0.16
384.083	0.00	0.00	0.043	O					0.16
384.167	0.00	0.00	0.043	O					0.16
384.250	0.00	0.00	0.043	O					0.16
384.333	0.00	0.00	0.043	O					0.16
384.417	0.00	0.00	0.043	O					0.16
384.500	0.00	0.00	0.043	O					0.15
384.583	0.00	0.00	0.043	O					0.15
384.667	0.00	0.00	0.043	O					0.15
384.750	0.00	0.00	0.043	O					0.15
384.833	0.00	0.00	0.043	O					0.15
384.917	0.00	0.00	0.043	O					0.15
385.000	0.00	0.00	0.043	O					0.15
385.083	0.00	0.00	0.043	O					0.15
385.167	0.00	0.00	0.043	O					0.15
385.250	0.00	0.00	0.043	O					0.15
385.333	0.00	0.00	0.043	O					0.15
385.417	0.00	0.00	0.043	O					0.15
385.500	0.00	0.00	0.043	O					0.15
385.583	0.00	0.00	0.043	O					0.15
385.667	0.00	0.00	0.043	O					0.15
385.750	0.00	0.00	0.043	O					0.15
385.833	0.00	0.00	0.043	O					0.15
385.917	0.00	0.00	0.043	O					0.15
386.000	0.00	0.00	0.043	O					0.15
386.083	0.00	0.00	0.043	O					0.15
386.167	0.00	0.00	0.043	O					0.15
386.250	0.00	0.00	0.043	O					0.15
386.333	0.00	0.00	0.043	O					0.15
386.417	0.00	0.00	0.043	O					0.15
386.500	0.00	0.00	0.043	O					0.15
386.583	0.00	0.00	0.043	O					0.15
386.667	0.00	0.00	0.043	O					0.15
386.750	0.00	0.00	0.042	O					0.15
386.833	0.00	0.00	0.042	O					0.15
386.917	0.00	0.00	0.042	O					0.15
387.000	0.00	0.00	0.042	O					0.15
387.083	0.00	0.00	0.042	O					0.15
387.167	0.00	0.00	0.042	O					0.15
387.250	0.00	0.00	0.042	O					0.15
387.333	0.00	0.00	0.042	O					0.15
387.417	0.00	0.00	0.042	O					0.15
387.500	0.00	0.00	0.042	O					0.15
387.583	0.00	0.00	0.042	O					0.15
387.667	0.00	0.00	0.042	O					0.15
387.750	0.00	0.00	0.042	O					0.15
387.833	0.00	0.00	0.042	O					0.15
387.917	0.00	0.00	0.042	O					0.15
388.000	0.00	0.00	0.042	O					0.15
388.083	0.00	0.00	0.042	O					0.15
388.167	0.00	0.00	0.042	O					0.15
388.250	0.00	0.00	0.042	O					0.15
388.333	0.00	0.00	0.042	O					0.15
388.417	0.00	0.00	0.042	O					0.15
388.500	0.00	0.00	0.042	O					0.15
388.583	0.00	0.00	0.042	O					0.15
388.667	0.00	0.00	0.042	O					0.15
388.750	0.00	0.00	0.042	O					0.15
388.833	0.00	0.00	0.042	O					0.15
388.917	0.00	0.00	0.042	O					0.15
389.000	0.00	0.00	0.042	O					0.15
389.083	0.00	0.00	0.042	O					0.15
389.167	0.00	0.00	0.042	O					0.15
389.250	0.00	0.00	0.042	O					0.15
389.333	0.00	0.00	0.042	O					0.15
389.417	0.00	0.00	0.042	O					0.15
389.500	0.00	0.00	0.042	O					0.15

389.583	0.00	0.00	0.042	O	|	|	|	|	0.15
389.667	0.00	0.00	0.041	O	|	|	|	|	0.15
389.750	0.00	0.00	0.041	O	|	|	|	|	0.15
389.833	0.00	0.00	0.041	O	|	|	|	|	0.15
389.917	0.00	0.00	0.041	O	|	|	|	|	0.15
390.000	0.00	0.00	0.041	O	|	|	|	|	0.15
390.083	0.00	0.00	0.041	O	|	|	|	|	0.15
390.167	0.00	0.00	0.041	O	|	|	|	|	0.15
390.250	0.00	0.00	0.041	O	|	|	|	|	0.15
390.333	0.00	0.00	0.041	O	|	|	|	|	0.15
390.417	0.00	0.00	0.041	O	|	|	|	|	0.15
390.500	0.00	0.00	0.041	O	|	|	|	|	0.15
390.583	0.00	0.00	0.041	O	|	|	|	|	0.15
390.667	0.00	0.00	0.041	O	|	|	|	|	0.15
390.750	0.00	0.00	0.041	O	|	|	|	|	0.15
390.833	0.00	0.00	0.041	O	|	|	|	|	0.15
390.917	0.00	0.00	0.041	O	|	|	|	|	0.15
391.000	0.00	0.00	0.041	O	|	|	|	|	0.15
391.083	0.00	0.00	0.041	O	|	|	|	|	0.15
391.167	0.00	0.00	0.041	O	|	|	|	|	0.15
391.250	0.00	0.00	0.041	O	|	|	|	|	0.15
391.333	0.00	0.00	0.041	O	|	|	|	|	0.15
391.417	0.00	0.00	0.041	O	|	|	|	|	0.15
391.500	0.00	0.00	0.041	O	|	|	|	|	0.15
391.583	0.00	0.00	0.041	O	|	|	|	|	0.15
391.667	0.00	0.00	0.041	O	|	|	|	|	0.15
391.750	0.00	0.00	0.041	O	|	|	|	|	0.15
391.833	0.00	0.00	0.041	O	|	|	|	|	0.15
391.917	0.00	0.00	0.041	O	|	|	|	|	0.15
392.000	0.00	0.00	0.041	O	|	|	|	|	0.15
392.083	0.00	0.00	0.041	O	|	|	|	|	0.15
392.167	0.00	0.00	0.041	O	|	|	|	|	0.15
392.250	0.00	0.00	0.041	O	|	|	|	|	0.15
392.333	0.00	0.00	0.041	O	|	|	|	|	0.15
392.417	0.00	0.00	0.041	O	|	|	|	|	0.15
392.500	0.00	0.00	0.041	O	|	|	|	|	0.15
392.583	0.00	0.00	0.041	O	|	|	|	|	0.15
392.667	0.00	0.00	0.040	O	|	|	|	|	0.14
392.750	0.00	0.00	0.040	O	|	|	|	|	0.14
392.833	0.00	0.00	0.040	O	|	|	|	|	0.14
392.917	0.00	0.00	0.040	O	|	|	|	|	0.14
393.000	0.00	0.00	0.040	O	|	|	|	|	0.14
393.083	0.00	0.00	0.040	O	|	|	|	|	0.14
393.167	0.00	0.00	0.040	O	|	|	|	|	0.14
393.250	0.00	0.00	0.040	O	|	|	|	|	0.14
393.333	0.00	0.00	0.040	O	|	|	|	|	0.14
393.417	0.00	0.00	0.040	O	|	|	|	|	0.14
393.500	0.00	0.00	0.040	O	|	|	|	|	0.14
393.583	0.00	0.00	0.040	O	|	|	|	|	0.14
393.667	0.00	0.00	0.040	O	|	|	|	|	0.14
393.750	0.00	0.00	0.040	O	|	|	|	|	0.14
393.833	0.00	0.00	0.040	O	|	|	|	|	0.14
393.917	0.00	0.00	0.040	O	|	|	|	|	0.14
394.000	0.00	0.00	0.040	O	|	|	|	|	0.14
394.083	0.00	0.00	0.040	O	|	|	|	|	0.14
394.167	0.00	0.00	0.040	O	|	|	|	|	0.14
394.250	0.00	0.00	0.040	O	|	|	|	|	0.14
394.333	0.00	0.00	0.040	O	|	|	|	|	0.14
394.417	0.00	0.00	0.040	O	|	|	|	|	0.14
394.500	0.00	0.00	0.040	O	|	|	|	|	0.14
394.583	0.00	0.00	0.040	O	|	|	|	|	0.14
394.667	0.00	0.00	0.040	O	|	|	|	|	0.14
394.750	0.00	0.00	0.040	O	|	|	|	|	0.14
394.833	0.00	0.00	0.040	O	|	|	|	|	0.14
394.917	0.00	0.00	0.040	O	|	|	|	|	0.14
395.000	0.00	0.00	0.040	O	|	|	|	|	0.14
395.083	0.00	0.00	0.040	O	|	|	|	|	0.14
395.167	0.00	0.00	0.040	O	|	|	|	|	0.14
395.250	0.00	0.00	0.040	O	|	|	|	|	0.14
395.333	0.00	0.00	0.040	O	|	|	|	|	0.14
395.417	0.00	0.00	0.040	O	|	|	|	|	0.14
395.500	0.00	0.00	0.040	O	|	|	|	|	0.14
395.583	0.00	0.00	0.040	O	|	|	|	|	0.14

395.667	0.00	0.00	0.039	O					0.14
395.750	0.00	0.00	0.039	O					0.14
395.833	0.00	0.00	0.039	O					0.14
395.917	0.00	0.00	0.039	O					0.14
396.000	0.00	0.00	0.039	O					0.14
396.083	0.00	0.00	0.039	O					0.14
396.167	0.00	0.00	0.039	O					0.14
396.250	0.00	0.00	0.039	O					0.14
396.333	0.00	0.00	0.039	O					0.14
396.417	0.00	0.00	0.039	O					0.14
396.500	0.00	0.00	0.039	O					0.14
396.583	0.00	0.00	0.039	O					0.14
396.667	0.00	0.00	0.039	O					0.14
396.750	0.00	0.00	0.039	O					0.14
396.833	0.00	0.00	0.039	O					0.14
396.917	0.00	0.00	0.039	O					0.14
397.000	0.00	0.00	0.039	O					0.14
397.083	0.00	0.00	0.039	O					0.14
397.167	0.00	0.00	0.039	O					0.14
397.250	0.00	0.00	0.039	O					0.14
397.333	0.00	0.00	0.039	O					0.14
397.417	0.00	0.00	0.039	O					0.14
397.500	0.00	0.00	0.039	O					0.14
397.583	0.00	0.00	0.039	O					0.14
397.667	0.00	0.00	0.039	O					0.14
397.750	0.00	0.00	0.039	O					0.14
397.833	0.00	0.00	0.039	O					0.14
397.917	0.00	0.00	0.039	O					0.14
398.000	0.00	0.00	0.039	O					0.14
398.083	0.00	0.00	0.039	O					0.14
398.167	0.00	0.00	0.039	O					0.14
398.250	0.00	0.00	0.039	O					0.14
398.333	0.00	0.00	0.039	O					0.14
398.417	0.00	0.00	0.039	O					0.14
398.500	0.00	0.00	0.039	O					0.14
398.583	0.00	0.00	0.039	O					0.14
398.667	0.00	0.00	0.039	O					0.14
398.750	0.00	0.00	0.039	O					0.14
398.833	0.00	0.00	0.038	O					0.14
398.917	0.00	0.00	0.038	O					0.14
399.000	0.00	0.00	0.038	O					0.14
399.083	0.00	0.00	0.038	O					0.14
399.167	0.00	0.00	0.038	O					0.14
399.250	0.00	0.00	0.038	O					0.14
399.333	0.00	0.00	0.038	O					0.14
399.417	0.00	0.00	0.038	O					0.14
399.500	0.00	0.00	0.038	O					0.14
399.583	0.00	0.00	0.038	O					0.14
399.667	0.00	0.00	0.038	O					0.14
399.750	0.00	0.00	0.038	O					0.14
399.833	0.00	0.00	0.038	O					0.14
399.917	0.00	0.00	0.038	O					0.14
400.000	0.00	0.00	0.038	O					0.14
400.083	0.00	0.00	0.038	O					0.14
400.167	0.00	0.00	0.038	O					0.14
400.250	0.00	0.00	0.038	O					0.14
400.333	0.00	0.00	0.038	O					0.14
400.417	0.00	0.00	0.038	O					0.14
400.500	0.00	0.00	0.038	O					0.14
400.583	0.00	0.00	0.038	O					0.14
400.667	0.00	0.00	0.038	O					0.14
400.750	0.00	0.00	0.038	O					0.14
400.833	0.00	0.00	0.038	O					0.14
400.917	0.00	0.00	0.038	O					0.14
401.000	0.00	0.00	0.038	O					0.14
401.083	0.00	0.00	0.038	O					0.14
401.167	0.00	0.00	0.038	O					0.14
401.250	0.00	0.00	0.038	O					0.14
401.333	0.00	0.00	0.038	O					0.14
401.417	0.00	0.00	0.038	O					0.13
401.500	0.00	0.00	0.038	O					0.13
401.583	0.00	0.00	0.038	O					0.13
401.667	0.00	0.00	0.038	O					0.13

401.750	0.00	0.00	0.038	O					0.13
401.833	0.00	0.00	0.038	O					0.13
401.917	0.00	0.00	0.038	O					0.13
402.000	0.00	0.00	0.038	O					0.13
402.083	0.00	0.00	0.037	O					0.13
402.167	0.00	0.00	0.037	O					0.13
402.250	0.00	0.00	0.037	O					0.13
402.333	0.00	0.00	0.037	O					0.13
402.417	0.00	0.00	0.037	O					0.13
402.500	0.00	0.00	0.037	O					0.13
402.583	0.00	0.00	0.037	O					0.13
402.667	0.00	0.00	0.037	O					0.13
402.750	0.00	0.00	0.037	O					0.13
402.833	0.00	0.00	0.037	O					0.13
402.917	0.00	0.00	0.037	O					0.13
403.000	0.00	0.00	0.037	O					0.13
403.083	0.00	0.00	0.037	O					0.13
403.167	0.00	0.00	0.037	O					0.13
403.250	0.00	0.00	0.037	O					0.13
403.333	0.00	0.00	0.037	O					0.13
403.417	0.00	0.00	0.037	O					0.13
403.500	0.00	0.00	0.037	O					0.13
403.583	0.00	0.00	0.037	O					0.13
403.667	0.00	0.00	0.037	O					0.13
403.750	0.00	0.00	0.037	O					0.13
403.833	0.00	0.00	0.037	O					0.13
403.917	0.00	0.00	0.037	O					0.13
404.000	0.00	0.00	0.037	O					0.13
404.083	0.00	0.00	0.037	O					0.13
404.167	0.00	0.00	0.037	O					0.13
404.250	0.00	0.00	0.037	O					0.13
404.333	0.00	0.00	0.037	O					0.13
404.417	0.00	0.00	0.037	O					0.13
404.500	0.00	0.00	0.037	O					0.13
404.583	0.00	0.00	0.037	O					0.13
404.667	0.00	0.00	0.037	O					0.13
404.750	0.00	0.00	0.037	O					0.13
404.833	0.00	0.00	0.037	O					0.13
404.917	0.00	0.00	0.037	O					0.13
405.000	0.00	0.00	0.037	O					0.13
405.083	0.00	0.00	0.037	O					0.13
405.167	0.00	0.00	0.037	O					0.13
405.250	0.00	0.00	0.037	O					0.13
405.333	0.00	0.00	0.037	O					0.13
405.417	0.00	0.00	0.036	O					0.13
405.500	0.00	0.00	0.036	O					0.13
405.583	0.00	0.00	0.036	O					0.13
405.667	0.00	0.00	0.036	O					0.13
405.750	0.00	0.00	0.036	O					0.13
405.833	0.00	0.00	0.036	O					0.13
405.917	0.00	0.00	0.036	O					0.13
406.000	0.00	0.00	0.036	O					0.13
406.083	0.00	0.00	0.036	O					0.13
406.167	0.00	0.00	0.036	O					0.13
406.250	0.00	0.00	0.036	O					0.13
406.333	0.00	0.00	0.036	O					0.13
406.417	0.00	0.00	0.036	O					0.13
406.500	0.00	0.00	0.036	O					0.13
406.583	0.00	0.00	0.036	O					0.13
406.667	0.00	0.00	0.036	O					0.13
406.750	0.00	0.00	0.036	O					0.13
406.833	0.00	0.00	0.036	O					0.13
406.917	0.00	0.00	0.036	O					0.13
407.000	0.00	0.00	0.036	O					0.13
407.083	0.00	0.00	0.036	O					0.13
407.167	0.00	0.00	0.036	O					0.13
407.250	0.00	0.00	0.036	O					0.13
407.333	0.00	0.00	0.036	O					0.13
407.417	0.00	0.00	0.036	O					0.13
407.500	0.00	0.00	0.036	O					0.13
407.583	0.00	0.00	0.036	O					0.13
407.667	0.00	0.00	0.036	O					0.13
407.750	0.00	0.00	0.036	O					0.13

407.833	0.00	0.00	0.036	O	|	|	|	|	0.13
407.917	0.00	0.00	0.036	O	|	|	|	|	0.13
408.000	0.00	0.00	0.036	O	|	|	|	|	0.13
408.083	0.00	0.00	0.036	O	|	|	|	|	0.13
408.167	0.00	0.00	0.036	O	|	|	|	|	0.13
408.250	0.00	0.00	0.036	O	|	|	|	|	0.13
408.333	0.00	0.00	0.036	O	|	|	|	|	0.13
408.417	0.00	0.00	0.036	O	|	|	|	|	0.13
408.500	0.00	0.00	0.036	O	|	|	|	|	0.13
408.583	0.00	0.00	0.036	O	|	|	|	|	0.13
408.667	0.00	0.00	0.036	O	|	|	|	|	0.13
408.750	0.00	0.00	0.035	O	|	|	|	|	0.13
408.833	0.00	0.00	0.035	O	|	|	|	|	0.13
408.917	0.00	0.00	0.035	O	|	|	|	|	0.13
409.000	0.00	0.00	0.035	O	|	|	|	|	0.13
409.083	0.00	0.00	0.035	O	|	|	|	|	0.13
409.167	0.00	0.00	0.035	O	|	|	|	|	0.13
409.250	0.00	0.00	0.035	O	|	|	|	|	0.13
409.333	0.00	0.00	0.035	O	|	|	|	|	0.13
409.417	0.00	0.00	0.035	O	|	|	|	|	0.13
409.500	0.00	0.00	0.035	O	|	|	|	|	0.13
409.583	0.00	0.00	0.035	O	|	|	|	|	0.13
409.667	0.00	0.00	0.035	O	|	|	|	|	0.13
409.750	0.00	0.00	0.035	O	|	|	|	|	0.13
409.833	0.00	0.00	0.035	O	|	|	|	|	0.13
409.917	0.00	0.00	0.035	O	|	|	|	|	0.13
410.000	0.00	0.00	0.035	O	|	|	|	|	0.13
410.083	0.00	0.00	0.035	O	|	|	|	|	0.13
410.167	0.00	0.00	0.035	O	|	|	|	|	0.13
410.250	0.00	0.00	0.035	O	|	|	|	|	0.13
410.333	0.00	0.00	0.035	O	|	|	|	|	0.13
410.417	0.00	0.00	0.035	O	|	|	|	|	0.13
410.500	0.00	0.00	0.035	O	|	|	|	|	0.13
410.583	0.00	0.00	0.035	O	|	|	|	|	0.13
410.667	0.00	0.00	0.035	O	|	|	|	|	0.13
410.750	0.00	0.00	0.035	O	|	|	|	|	0.13
410.833	0.00	0.00	0.035	O	|	|	|	|	0.12
410.917	0.00	0.00	0.035	O	|	|	|	|	0.12
411.000	0.00	0.00	0.035	O	|	|	|	|	0.12
411.083	0.00	0.00	0.035	O	|	|	|	|	0.12
411.167	0.00	0.00	0.035	O	|	|	|	|	0.12
411.250	0.00	0.00	0.035	O	|	|	|	|	0.12
411.333	0.00	0.00	0.035	O	|	|	|	|	0.12
411.417	0.00	0.00	0.035	O	|	|	|	|	0.12
411.500	0.00	0.00	0.035	O	|	|	|	|	0.12
411.583	0.00	0.00	0.035	O	|	|	|	|	0.12
411.667	0.00	0.00	0.035	O	|	|	|	|	0.12
411.750	0.00	0.00	0.035	O	|	|	|	|	0.12
411.833	0.00	0.00	0.035	O	|	|	|	|	0.12
411.917	0.00	0.00	0.035	O	|	|	|	|	0.12
412.000	0.00	0.00	0.035	O	|	|	|	|	0.12
412.083	0.00	0.00	0.035	O	|	|	|	|	0.12
412.167	0.00	0.00	0.035	O	|	|	|	|	0.12
412.250	0.00	0.00	0.034	O	|	|	|	|	0.12
412.333	0.00	0.00	0.034	O	|	|	|	|	0.12
412.417	0.00	0.00	0.034	O	|	|	|	|	0.12
412.500	0.00	0.00	0.034	O	|	|	|	|	0.12
412.583	0.00	0.00	0.034	O	|	|	|	|	0.12
412.667	0.00	0.00	0.034	O	|	|	|	|	0.12
412.750	0.00	0.00	0.034	O	|	|	|	|	0.12
412.833	0.00	0.00	0.034	O	|	|	|	|	0.12
412.917	0.00	0.00	0.034	O	|	|	|	|	0.12
413.000	0.00	0.00	0.034	O	|	|	|	|	0.12
413.083	0.00	0.00	0.034	O	|	|	|	|	0.12
413.167	0.00	0.00	0.034	O	|	|	|	|	0.12
413.250	0.00	0.00	0.034	O	|	|	|	|	0.12
413.333	0.00	0.00	0.034	O	|	|	|	|	0.12
413.417	0.00	0.00	0.034	O	|	|	|	|	0.12
413.500	0.00	0.00	0.034	O	|	|	|	|	0.12
413.583	0.00	0.00	0.034	O	|	|	|	|	0.12
413.667	0.00	0.00	0.034	O	|	|	|	|	0.12
413.750	0.00	0.00	0.034	O	|	|	|	|	0.12
413.833	0.00	0.00	0.034	O	|	|	|	|	0.12

413.917	0.00	0.00	0.034	O	|	|	|	|	0.12
414.000	0.00	0.00	0.034	O	|	|	|	|	0.12
414.083	0.00	0.00	0.034	O	|	|	|	|	0.12
414.167	0.00	0.00	0.034	O	|	|	|	|	0.12
414.250	0.00	0.00	0.034	O	|	|	|	|	0.12
414.333	0.00	0.00	0.034	O	|	|	|	|	0.12
414.417	0.00	0.00	0.034	O	|	|	|	|	0.12
414.500	0.00	0.00	0.034	O	|	|	|	|	0.12
414.583	0.00	0.00	0.034	O	|	|	|	|	0.12
414.667	0.00	0.00	0.034	O	|	|	|	|	0.12
414.750	0.00	0.00	0.034	O	|	|	|	|	0.12
414.833	0.00	0.00	0.034	O	|	|	|	|	0.12
414.917	0.00	0.00	0.034	O	|	|	|	|	0.12
415.000	0.00	0.00	0.034	O	|	|	|	|	0.12
415.083	0.00	0.00	0.034	O	|	|	|	|	0.12
415.167	0.00	0.00	0.034	O	|	|	|	|	0.12
415.250	0.00	0.00	0.034	O	|	|	|	|	0.12
415.333	0.00	0.00	0.034	O	|	|	|	|	0.12
415.417	0.00	0.00	0.034	O	|	|	|	|	0.12
415.500	0.00	0.00	0.034	O	|	|	|	|	0.12
415.583	0.00	0.00	0.034	O	|	|	|	|	0.12
415.667	0.00	0.00	0.034	O	|	|	|	|	0.12
415.750	0.00	0.00	0.034	O	|	|	|	|	0.12
415.833	0.00	0.00	0.034	O	|	|	|	|	0.12
415.917	0.00	0.00	0.033	O	|	|	|	|	0.12
416.000	0.00	0.00	0.033	O	|	|	|	|	0.12
416.083	0.00	0.00	0.033	O	|	|	|	|	0.12
416.167	0.00	0.00	0.033	O	|	|	|	|	0.12
416.250	0.00	0.00	0.033	O	|	|	|	|	0.12
416.333	0.00	0.00	0.033	O	|	|	|	|	0.12
416.417	0.00	0.00	0.033	O	|	|	|	|	0.12
416.500	0.00	0.00	0.033	O	|	|	|	|	0.12
416.583	0.00	0.00	0.033	O	|	|	|	|	0.12
416.667	0.00	0.00	0.033	O	|	|	|	|	0.12

Remaining water in basin = 0.03 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 5001
Time interval = 5.0 (Min.)
Maximum/Peak flow rate = 36.374 (CFS)
Total volume = 6.390 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

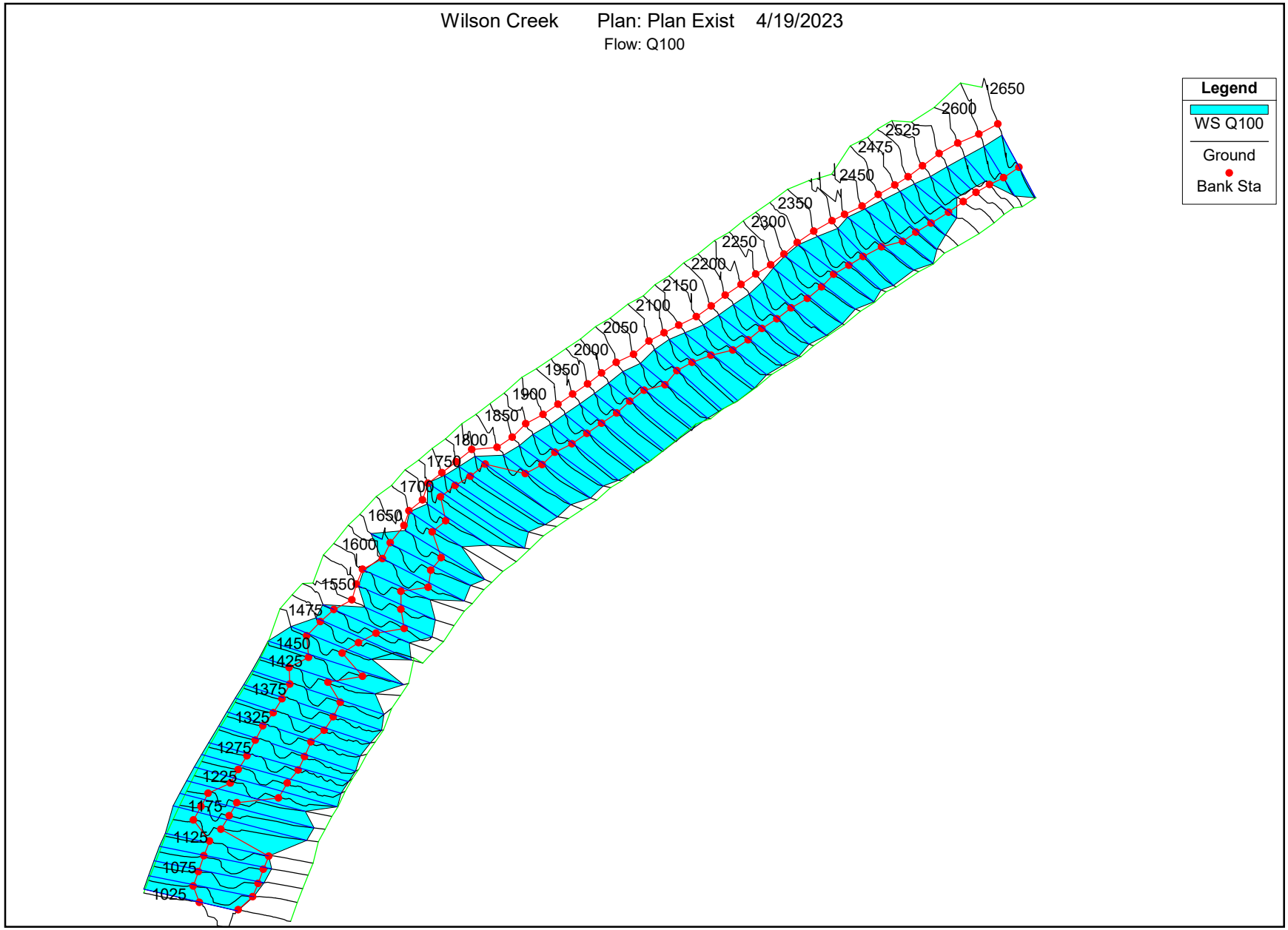
Appendix

G

HYDRAULIC ANALYSIS

- Pre-Development Condition Hec-Ras Modeling Analysis of Wilson Creek

Pre-Development Condition
Hec-Ras Modeling


Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
Legend
WS Q100
Ground
Bank Sta
2650
2600
2525
2475
2450
2350
2300
2250
2200
2150
2100
2050
2000
1950
1900
1850
1800
1750
1700
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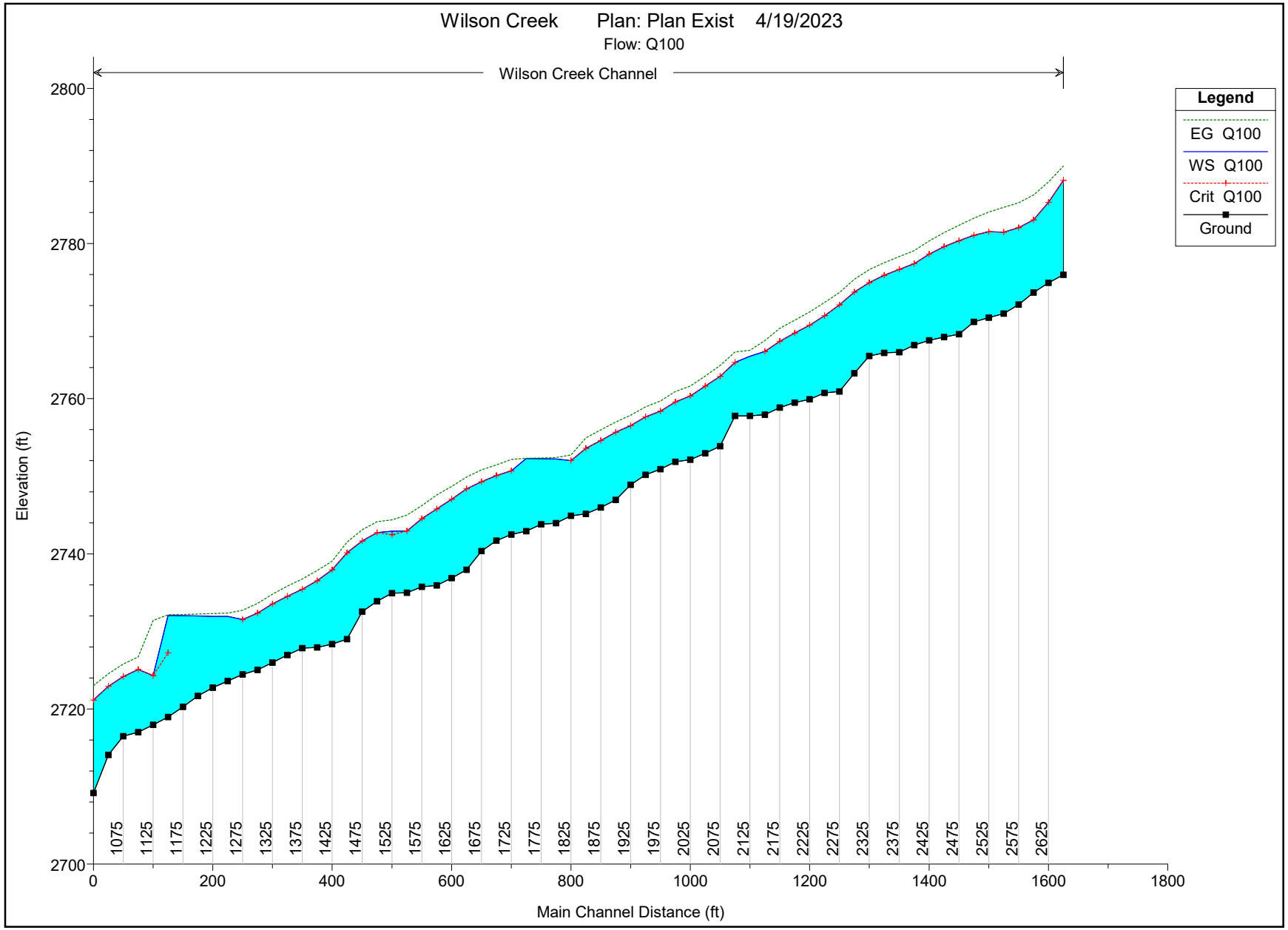
1175
1125
1075
1025

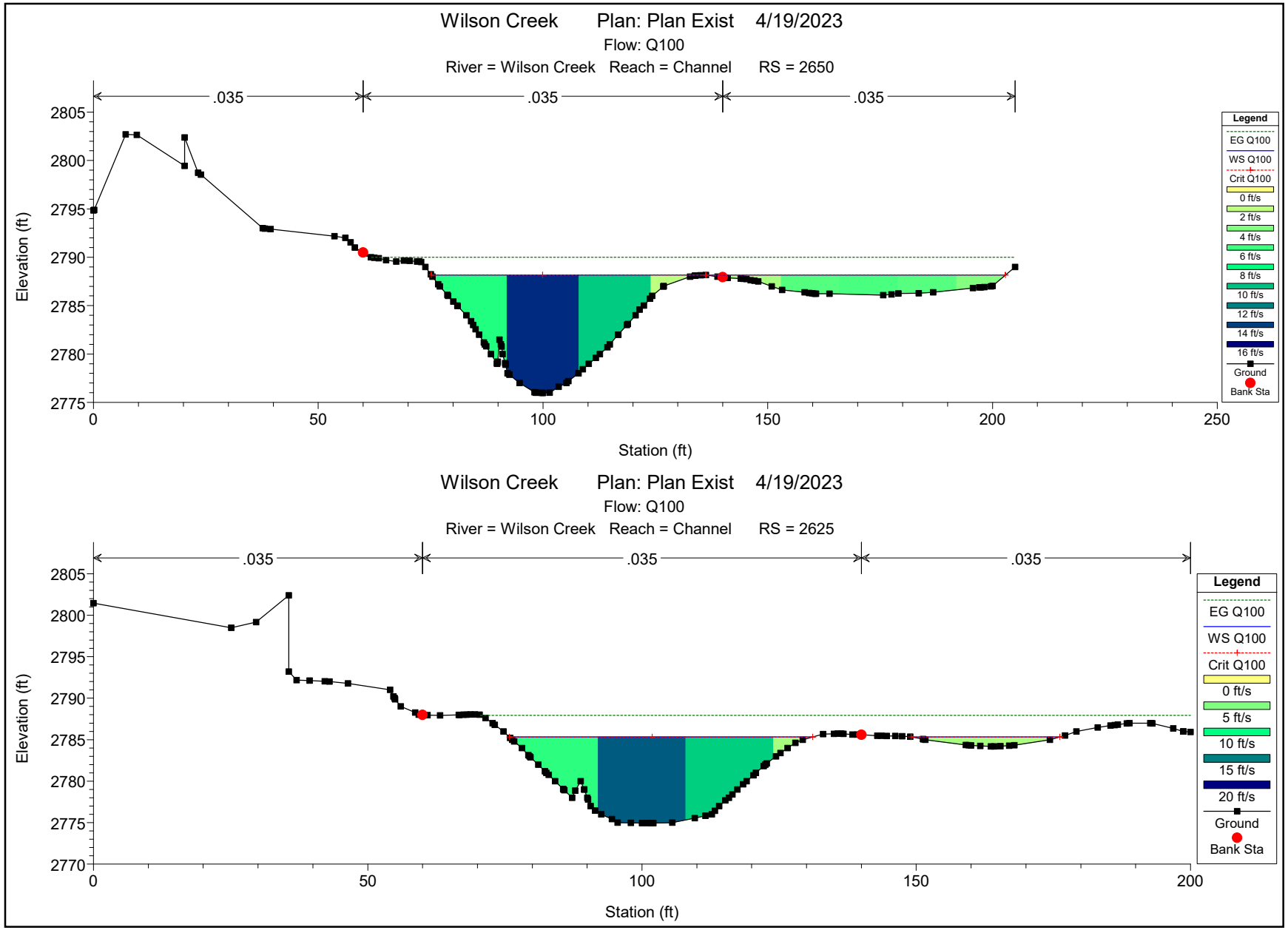

Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
Wilson Creek Channel
Legend
EG Q100
WS Q100
Crit Q100
Ground
Elevation (ft)
2800
2780
2760
2740
2720
2700
0
200
400
600
800
1000
1200
1400
1600
1800
Main Channel Distance (ft)
1075
1125
1175
1225
1275
1325
1375
1425
1475
1525
1575
1625
1675
1725
1775
1825
1875
1925
1975
2025
2075
2125
2175
2225
2275
2325
2375
2425
2475
2525
2575
2625

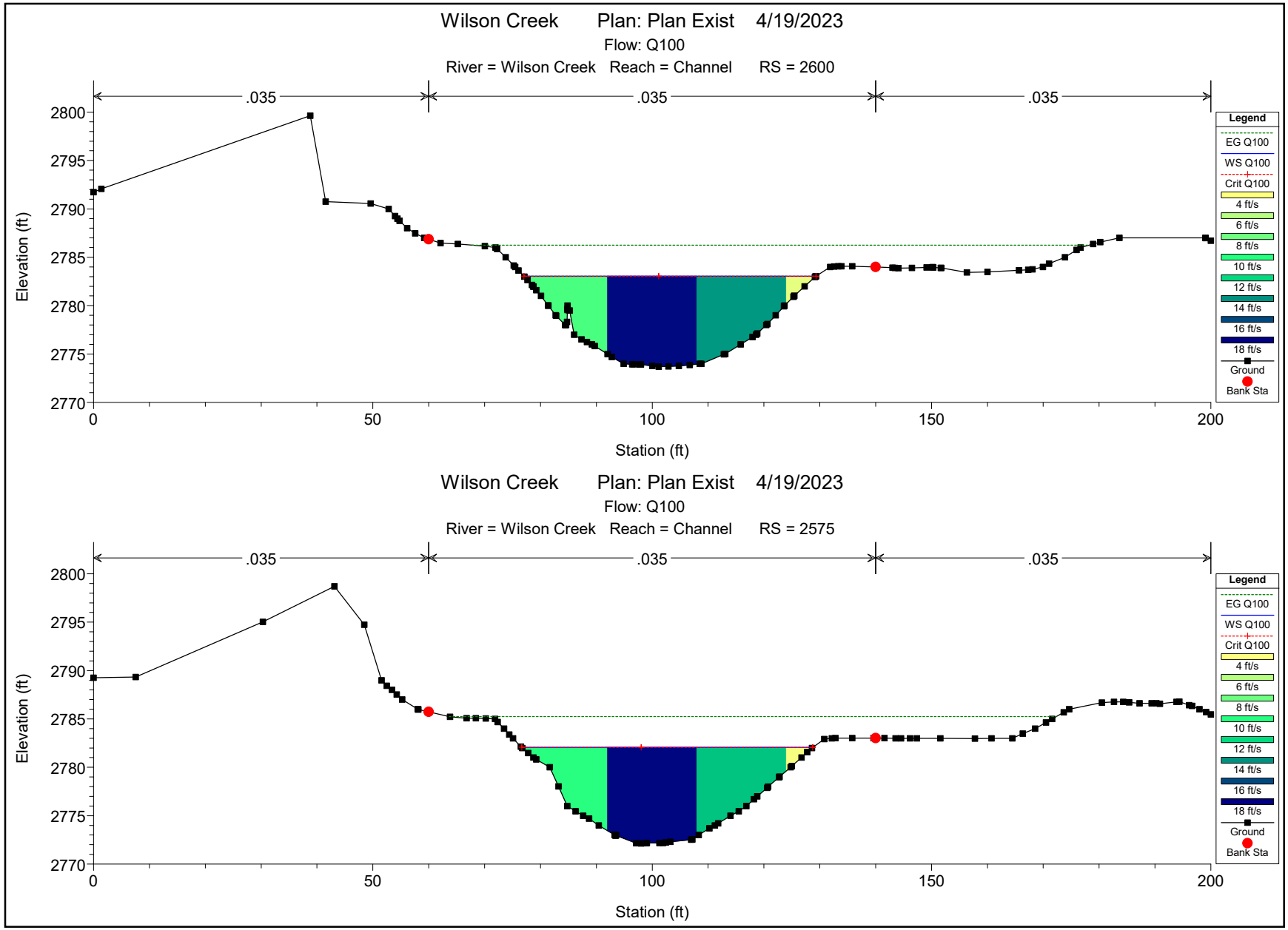
HEC-RAS Plan: 101 River: Wilson Creek Reach: Channel Profile: Q100

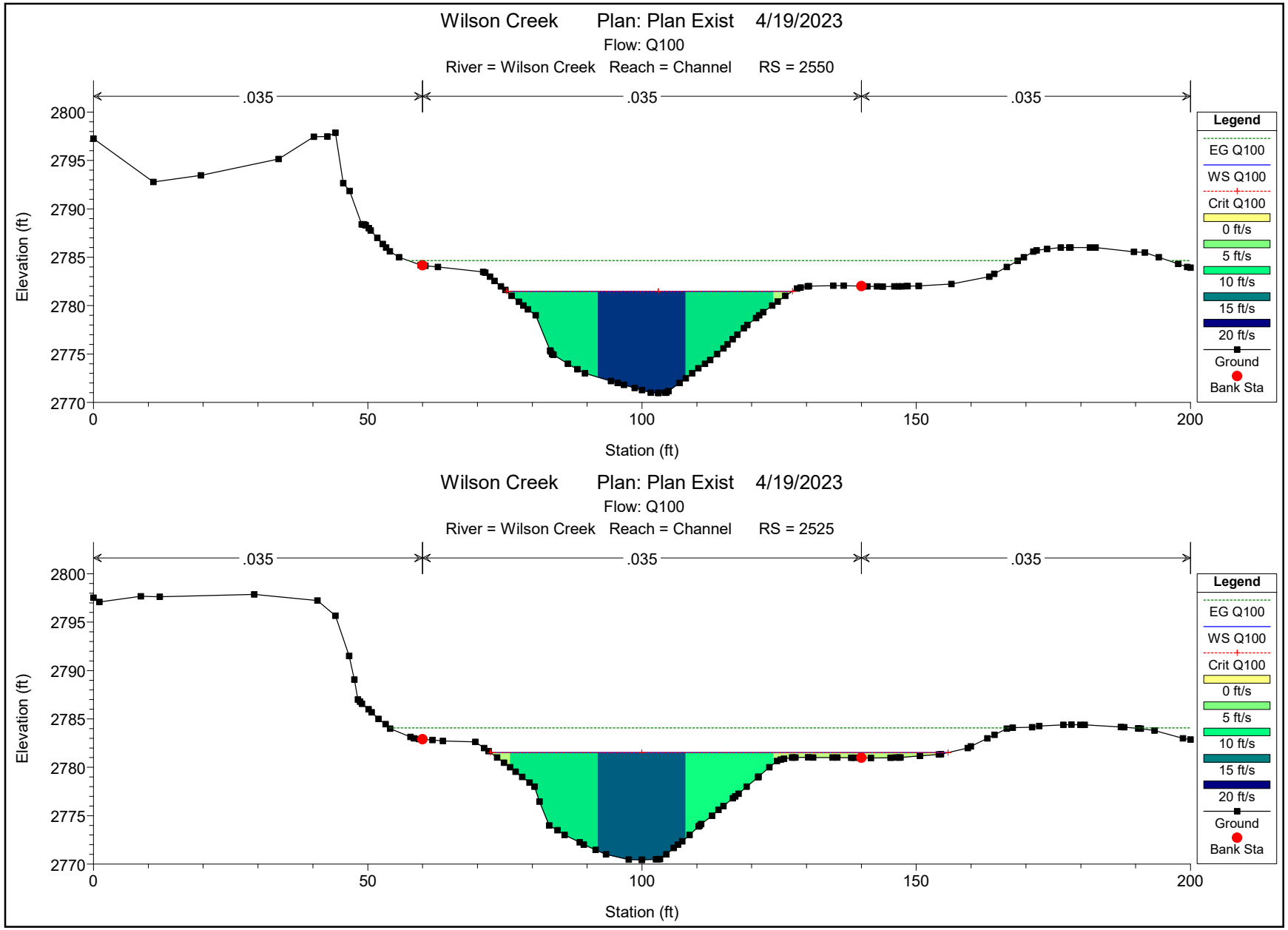
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Channel	2650	Q100	4711.00	2775.98	2788.16	2788.16	2789.99	0.008226	11.32	468.60	127.54	0.83
Channel	2625	Q100	4711.00	2774.93	2785.33	2785.33	2787.93	0.009320	13.02	376.26	82.39	0.90
Channel	2600	Q100	4711.00	2773.70	2783.05	2783.05	2786.25	0.012007	14.36	328.01	52.26	1.01
Channel	2575	Q100	4711.00	2772.14	2782.05	2782.05	2785.25	0.011093	14.35	328.37	52.07	1.01
Channel	2550	Q100	4711.00	2770.98	2781.47	2781.47	2784.67	0.011166	14.34	328.47	52.10	1.01
Channel	2525	Q100	4711.00	2770.45	2781.53	2781.53	2784.06	0.010602	12.79	373.50	83.45	0.97
Channel	2500	Q100	4711.00	2769.89	2781.07	2781.07	2783.27	0.008915	12.00	410.88	100.05	0.89
Channel	2475	Q100	4711.00	2768.32	2780.37	2780.37	2782.35	0.008172	11.48	441.59	115.04	0.86
Channel	2450	Q100	4711.00	2767.94	2779.61	2779.61	2781.41	0.007763	10.99	469.38	134.49	0.83
Channel	2425	Q100	4711.00	2767.52	2778.62	2778.62	2780.33	0.007494	10.84	486.91	143.10	0.82
Channel	2400	Q100	4711.00	2766.91	2777.42	2777.42	2779.10	0.006844	10.90	498.88	143.89	0.79
Channel	2375	Q100	4711.00	2765.98	2776.67	2776.67	2778.33	0.007217	10.79	497.12	145.34	0.81
Channel	2350	Q100	4711.00	2765.91	2775.93	2775.93	2777.52	0.007341	10.56	512.09	165.89	0.82
Channel	2325	Q100	4711.00	2765.50	2774.97	2774.97	2776.65	0.007938	10.80	491.37	149.34	0.85
Channel	2300	Q100	4711.00	2763.27	2773.74	2773.74	2775.39	0.007425	10.74	498.61	150.68	0.82
Channel	2275	Q100	4711.00	2760.92	2772.09	2772.09	2773.69	0.007187	10.83	508.19	145.62	0.80
Channel	2250	Q100	4711.00	2760.73	2770.69	2770.69	2772.40	0.008492	11.32	482.19	134.64	0.87
Channel	2225	Q100	4711.00	2759.93	2769.49	2769.49	2771.17	0.008810	11.33	487.90	143.40	0.88
Channel	2200	Q100	4711.00	2759.49	2768.47	2768.47	2770.11	0.008990	11.18	485.71	138.32	0.89
Channel	2175	Q100	4711.00	2758.84	2767.41	2767.41	2769.06	0.009285	11.22	482.51	139.18	0.90
Channel	2150	Q100	4711.00	2757.95	2766.07	2766.07	2767.50	0.009491	10.73	522.64	173.76	0.90
Channel	2125	Q100	4711.00	2757.77	2765.47		2766.24	0.005026	7.87	680.30	196.19	0.66
Channel	2100	Q100	4711.00	2757.77	2764.70	2764.70	2766.01	0.010889	10.41	530.47	192.06	0.95
Channel	2075	Q100	4711.00	2753.88	2762.88	2762.88	2764.28	0.008637	10.64	532.34	171.26	0.86
Channel	2050	Q100	4711.00	2752.95	2761.64	2761.64	2762.90	0.008349	10.33	568.14	199.84	0.84
Channel	2025	Q100	4711.00	2752.15	2760.35	2760.35	2761.62	0.009468	10.40	553.14	197.71	0.89
Channel	2000	Q100	4711.00	2751.85	2759.60	2759.60	2760.92	0.009682	10.52	542.67	191.22	0.90
Channel	1975	Q100	4711.00	2750.93	2758.40	2758.40	2759.71	0.010357	10.48	538.88	194.12	0.92
Channel	1950	Q100	4711.00	2750.18	2757.65	2757.65	2758.96	0.010011	10.50	541.77	193.87	0.91
Channel	1925	Q100	4711.00	2748.91	2756.53	2756.53	2757.86	0.010253	10.60	533.62	189.48	0.92
Channel	1900	Q100	4711.00	2746.96	2755.69	2755.69	2756.99	0.008815	10.49	554.12	193.26	0.87
Channel	1875	Q100	4711.00	2745.97	2754.62	2754.62	2755.98	0.009103	10.67	545.13	191.37	0.88
Channel	1850	Q100	4711.00	2745.14	2753.60	2753.60	2754.94	0.009321	10.61	543.89	191.32	0.89
Channel	1825	Q100	4711.00	2744.89	2752.01	2752.01	2752.75	0.008666	8.97	790.71	491.27	0.83
Channel	1800	Q100	4711.00	2743.95	2752.22		2752.40	0.001332	4.10	1449.50	485.91	0.34
Channel	1775	Q100	4711.00	2743.79	2752.25		2752.35	0.000593	2.96	1891.43	508.31	0.23
Channel	1750	Q100	4711.00	2742.91	2752.28		2752.33	0.000269	1.93	2597.52	615.26	0.15
Channel	1725	Q100	4711.00	2742.49	2750.71	2750.71	2752.17	0.008112	10.84	556.60	210.76	0.85

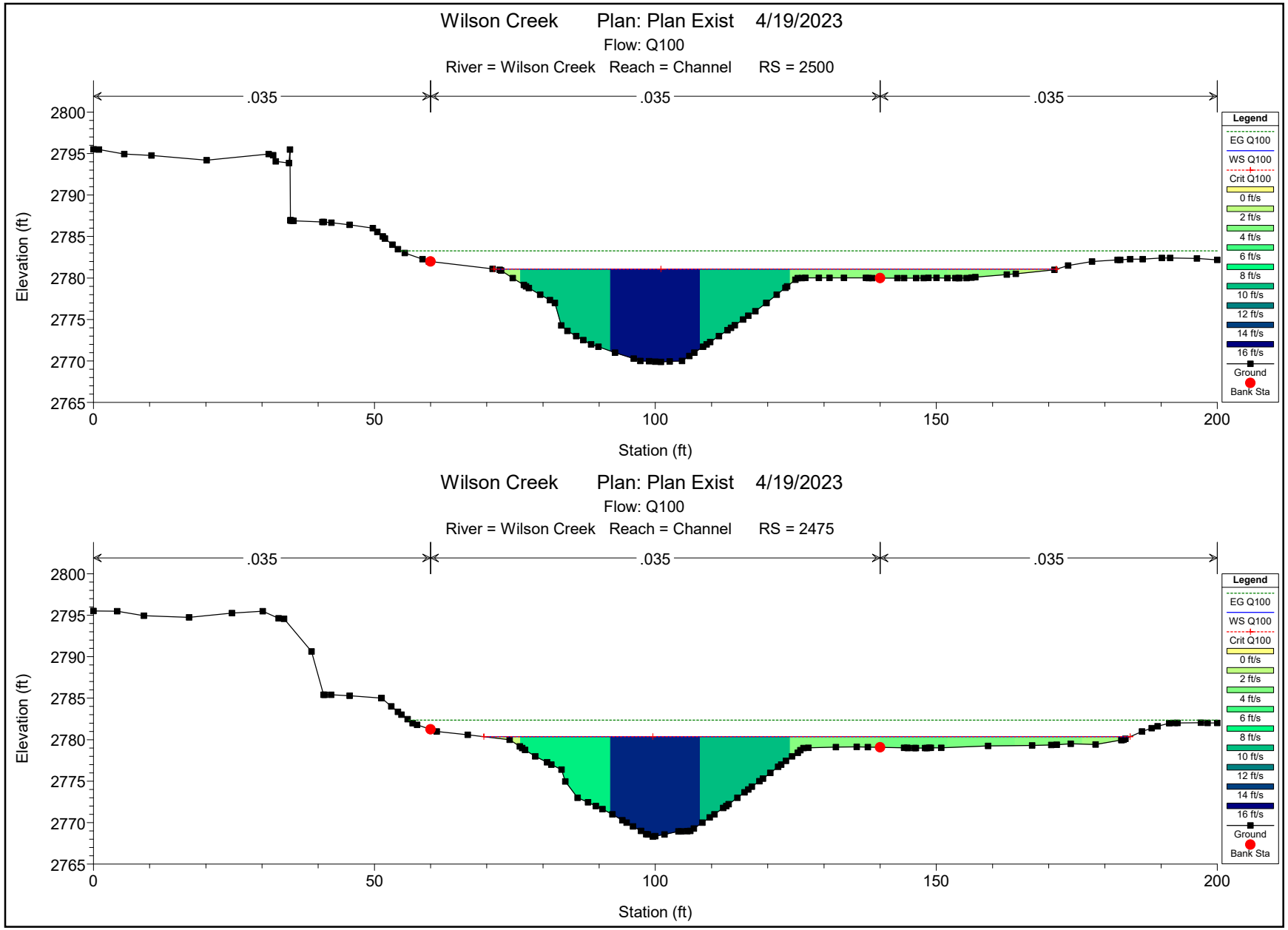
HEC-RAS Plan: 101 River: Wilson Creek Reach: Channel Profile: Q100 (Continued)

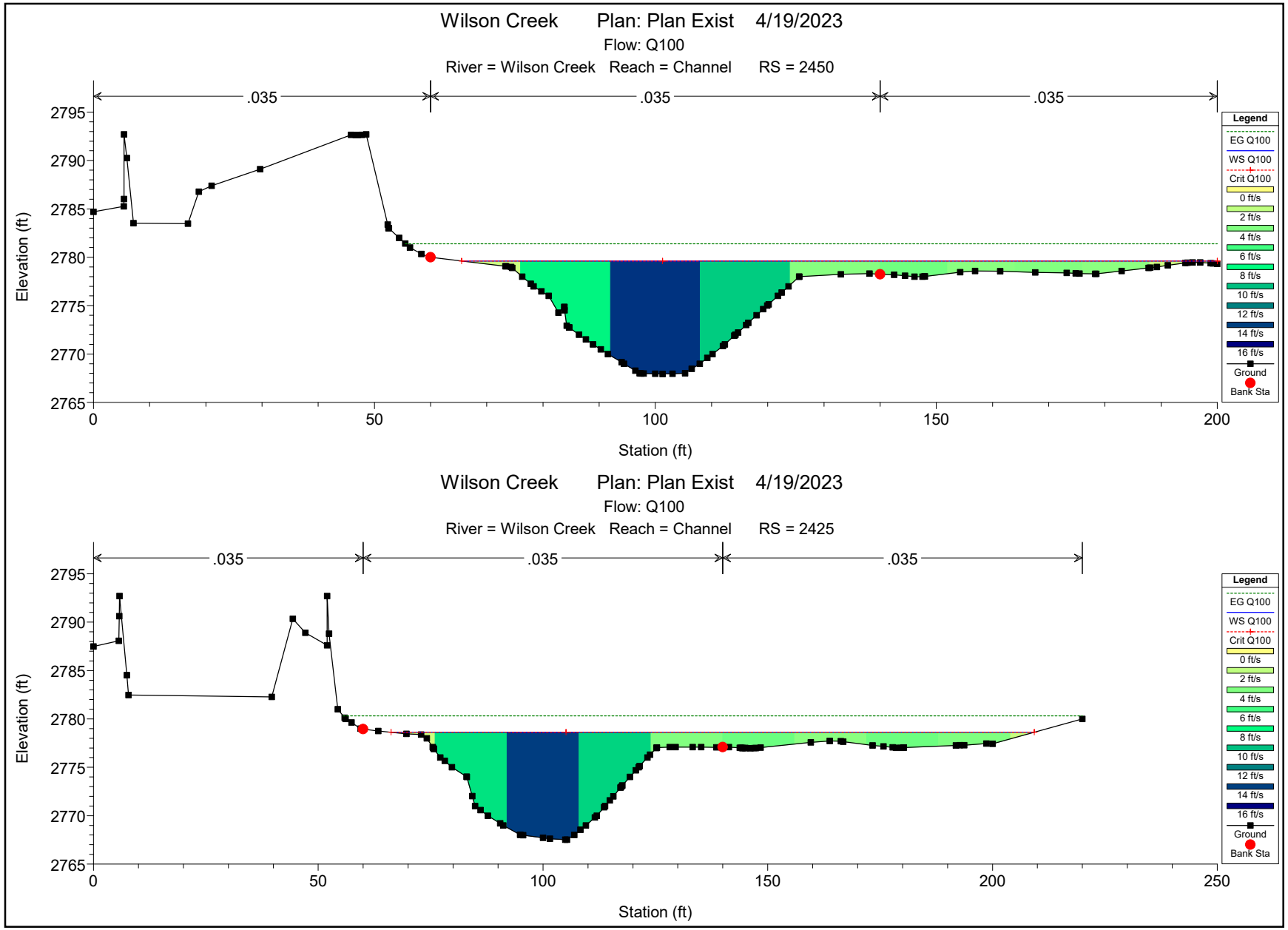
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Channel	1700	Q100	4711.00	2741.69	2750.09	2750.09	2751.48	0.009051	10.34	532.54	179.24	0.88
Channel	1675	Q100	4711.00	2740.34	2749.31	2749.31	2750.83	0.009358	10.72	512.77	170.72	0.90
Channel	1650	Q100	4711.00	2737.95	2748.38	2748.38	2749.92	0.008755	10.63	510.11	179.11	0.87
Channel	1625	Q100	4711.00	2736.86	2747.04	2747.04	2748.68	0.009485	10.92	482.27	143.16	0.90
Channel	1600	Q100	4711.00	2735.94	2745.80	2745.80	2747.59	0.009895	11.40	463.29	132.18	0.92
Channel	1575	Q100	4711.00	2735.73	2744.53	2744.53	2746.23	0.010514	11.21	465.12	132.39	0.94
Channel	1550	Q100	4711.00	2734.98	2742.93	2742.93	2745.00	0.012178	11.92	410.82	102.51	1.01
Channel	1525	Q100	4711.00	2734.92	2742.92	2742.46	2744.39	0.009783	10.31	495.58	159.67	0.90
Channel	1500	Q100	4711.00	2733.88	2742.73	2742.73	2744.15	0.008520	10.37	546.53	200.21	0.86
Channel	1475	Q100	4711.00	2732.54	2741.67	2741.67	2743.10	0.008999	10.45	530.44	182.63	0.88
Channel	1450	Q100	4711.00	2728.99	2740.15	2740.15	2741.51	0.008497	10.11	546.76	200.56	0.84
Channel	1425	Q100	4711.00	2728.36	2737.94	2737.94	2739.05	0.007953	9.78	601.47	216.27	0.81
Channel	1400	Q100	4711.00	2727.92	2736.52	2736.52	2737.86	0.010582	10.50	530.72	186.47	0.92
Channel	1375	Q100	4711.00	2727.83	2735.45	2735.45	2736.76	0.011569	10.37	530.02	193.85	0.95
Channel	1350	Q100	4711.00	2726.96	2734.51	2734.51	2735.83	0.011644	10.41	527.54	192.36	0.96
Channel	1325	Q100	4711.00	2725.98	2733.55	2733.55	2734.80	0.012036	10.09	537.81	205.46	0.96
Channel	1300	Q100	4711.00	2725.03	2732.36	2732.36	2733.62	0.012190	9.97	533.53	203.18	0.96
Channel	1275	Q100	4711.00	2724.45	2731.54	2731.49	2732.72	0.012006	9.48	545.43	208.34	0.95
Channel	1250	Q100	4711.00	2723.59	2731.93		2732.37	0.002634	5.48	892.63	227.79	0.47
Channel	1225	Q100	4711.00	2722.74	2731.94		2732.29	0.001778	5.19	1008.24	237.81	0.40
Channel	1200	Q100	4711.00	2721.68	2731.99		2732.22	0.000959	4.29	1330.36	329.91	0.30
Channel	1175	Q100	4711.00	2720.28	2732.03		2732.18	0.000555	3.63	1637.96	381.18	0.24
Channel	1150	Q100	4711.00	2718.97	2732.04	2727.23	2732.16	0.000339	3.11	1927.09	391.72	0.19
Channel	1125	Q100	4711.00	2717.96	2724.29	2724.29	2731.43	0.081543	23.03	231.38	110.29	2.43
Channel	1100	Q100	4711.00	2717.00	2725.08	2725.08	2726.72	0.012633	10.78	464.25	150.93	1.01
Channel	1075	Q100	4711.00	2716.49	2724.16	2724.16	2725.79	0.012289	10.75	466.33	147.97	1.00
Channel	1050	Q100	4711.00	2714.07	2722.92	2722.92	2724.55	0.011686	10.88	468.58	141.15	0.97
Channel	1025	Q100	4711.00	2709.17	2721.16	2721.16	2723.03	0.007314	11.52	476.32	127.71	0.77

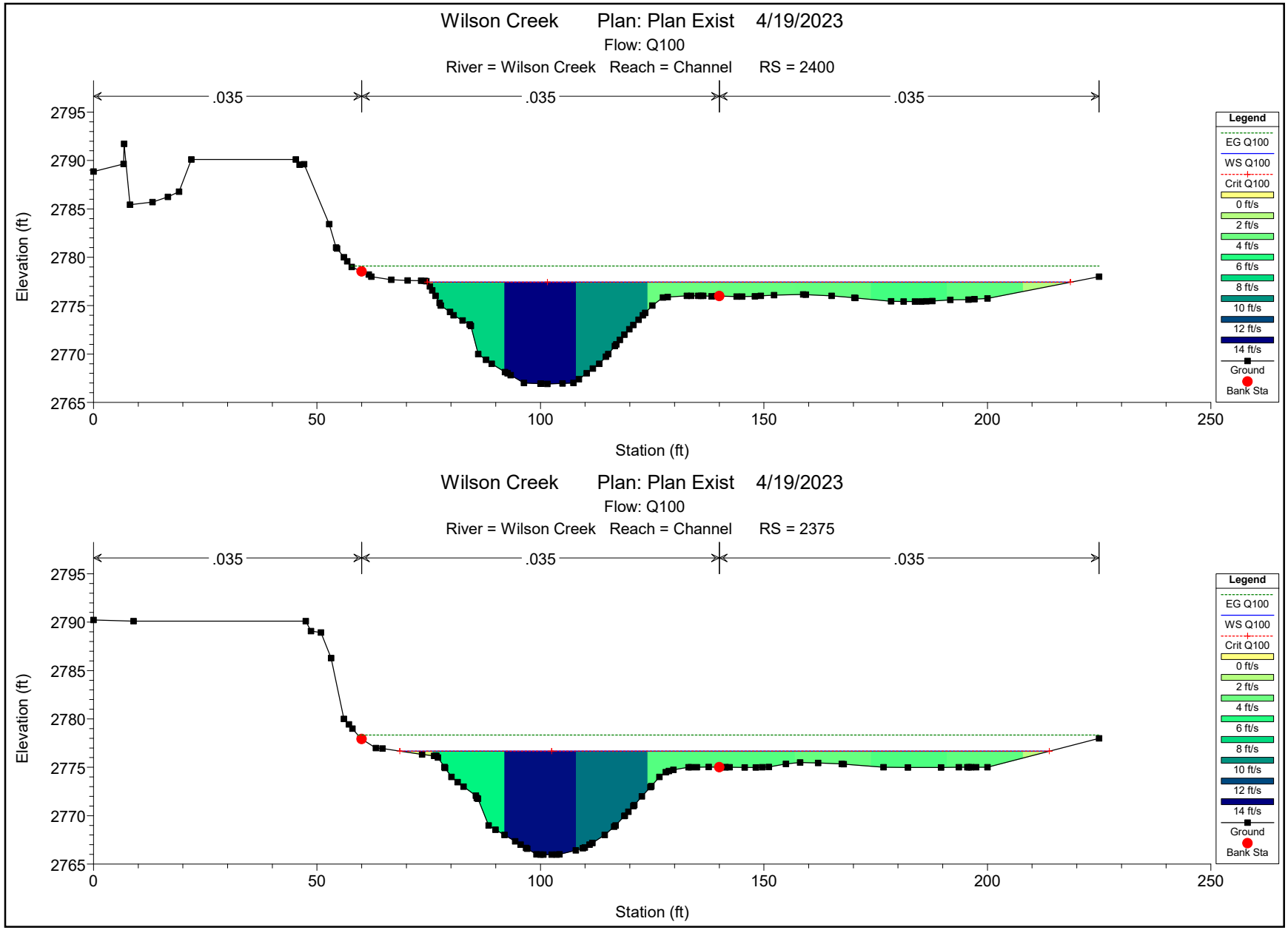

Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 2650
.035
.035
.035
Elevation (ft)
2805
2800
2795
2790
2785
2780
2775
0
50
100
150
200
250
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
0 ft/s
2 ft/s
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
16 ft/s
Ground
Bank Sta
Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 2625
.035
.035
.035
Elevation (ft)
2805
2800
2795
2790
2785
2780
2775
2770
0
50
100
150
200
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
0 ft/s
5 ft/s
10 ft/s
15 ft/s
20 ft/s
Ground
Bank Sta

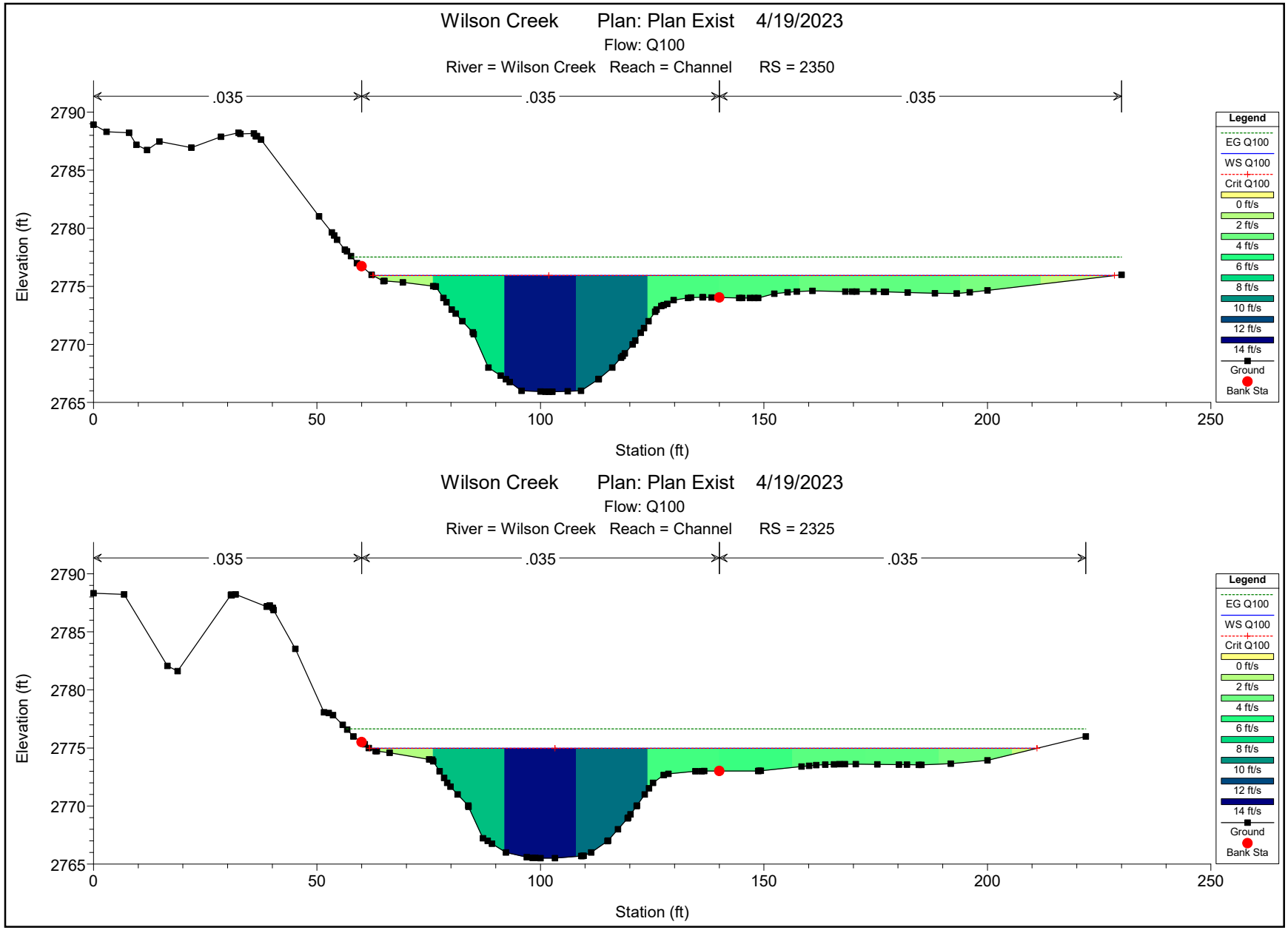

Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 2600
.035
.035
.035
Elevation (ft)
2800
2795
2790
2785
2780
2775
2770
0
50
100
150
200
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
16 ft/s
18 ft/s
Ground
Bank Sta
Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 2575
.035
.035
.035
Elevation (ft)
2800
2795
2790
2785
2780
2775
2770
0
50
100
150
200
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
16 ft/s
18 ft/s
Ground
Bank Sta

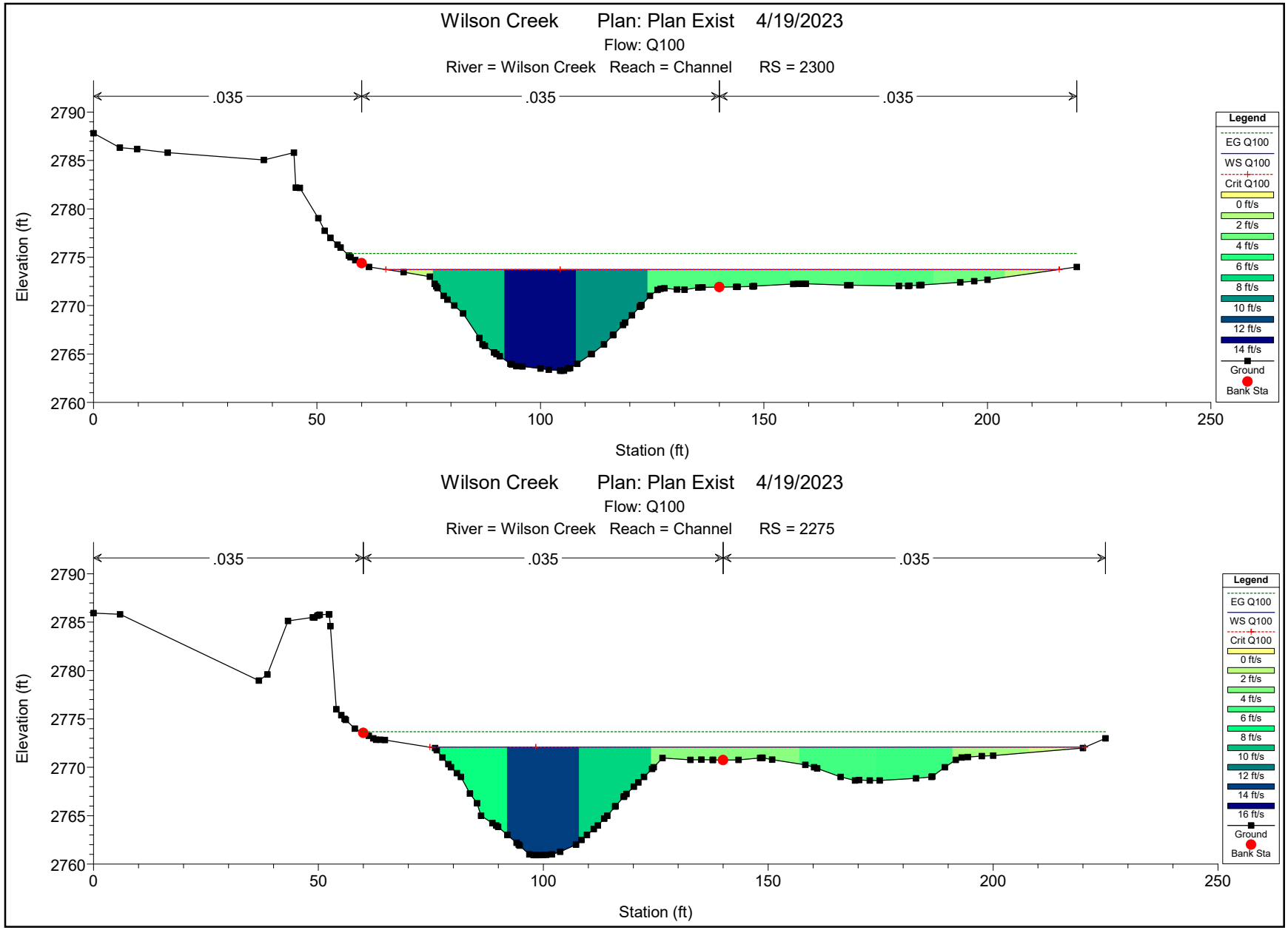

Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 2550
.035
.035
.035
Elevation (ft)
2800
2795
2790
2785
2780
2775
2770
0
50
100
150
200
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
0 ft/s
5 ft/s
10 ft/s
15 ft/s
20 ft/s
Ground
Bank Sta
Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 2525
.035
.035
.035
Elevation (ft)
2800
2795
2790
2785
2780
2775
2770
0
50
100
150
200
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
0 ft/s
5 ft/s
10 ft/s
15 ft/s
20 ft/s
Ground
Bank Sta

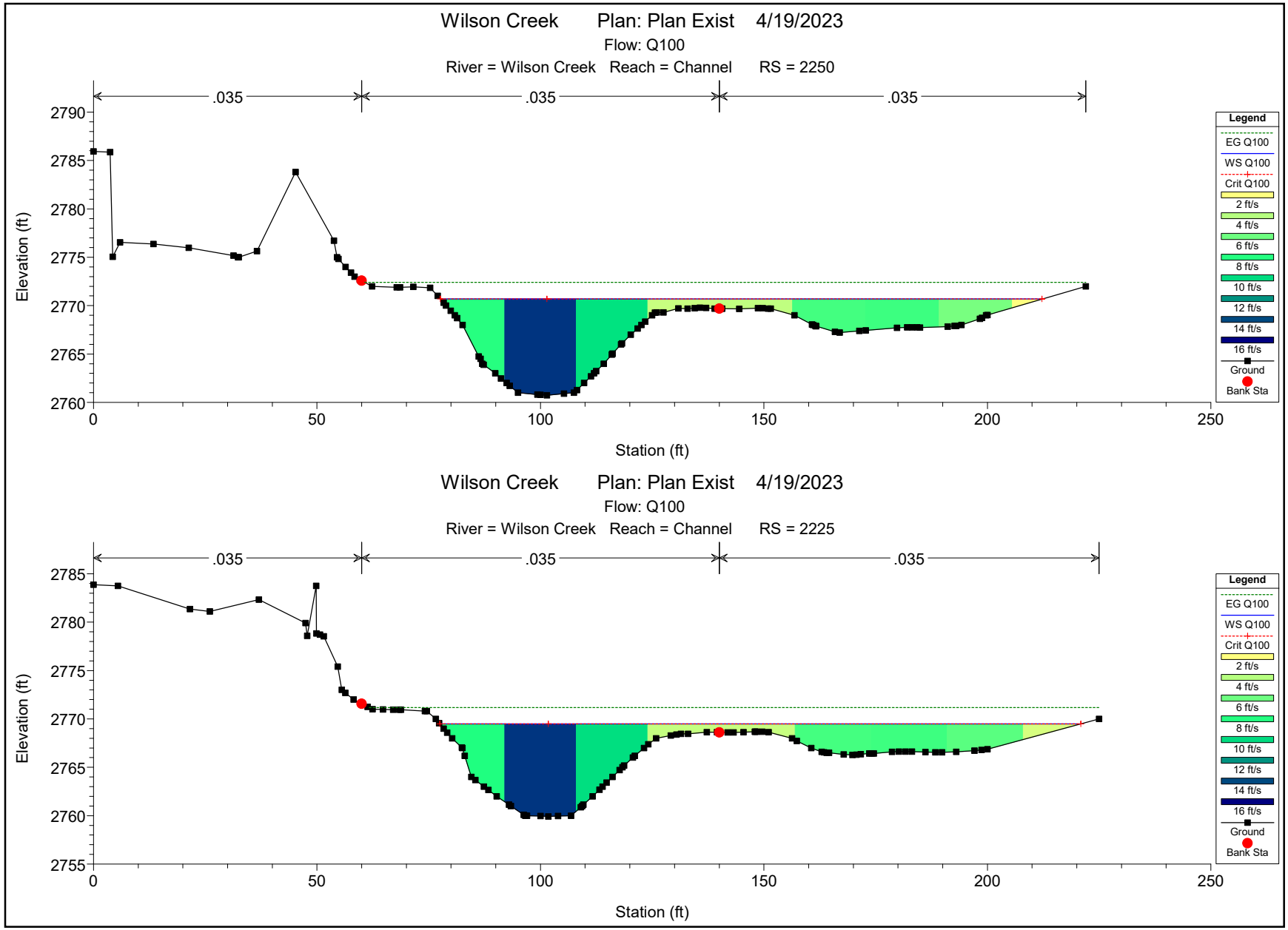

Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 2500
.035
.035
.035
Elevation (ft)
2800
2795
2790
2785
2780
2775
2770
2765
0
50
100
150
200
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
0 ft/s
2 ft/s
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
16 ft/s
Ground
Bank Sta
Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 2475
.035
.035
.035
Elevation (ft)
2800
2795
2790
2785
2780
2775
2770
2765
0
50
100
150
200
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
0 ft/s
2 ft/s
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
16 ft/s
Ground
Bank Sta

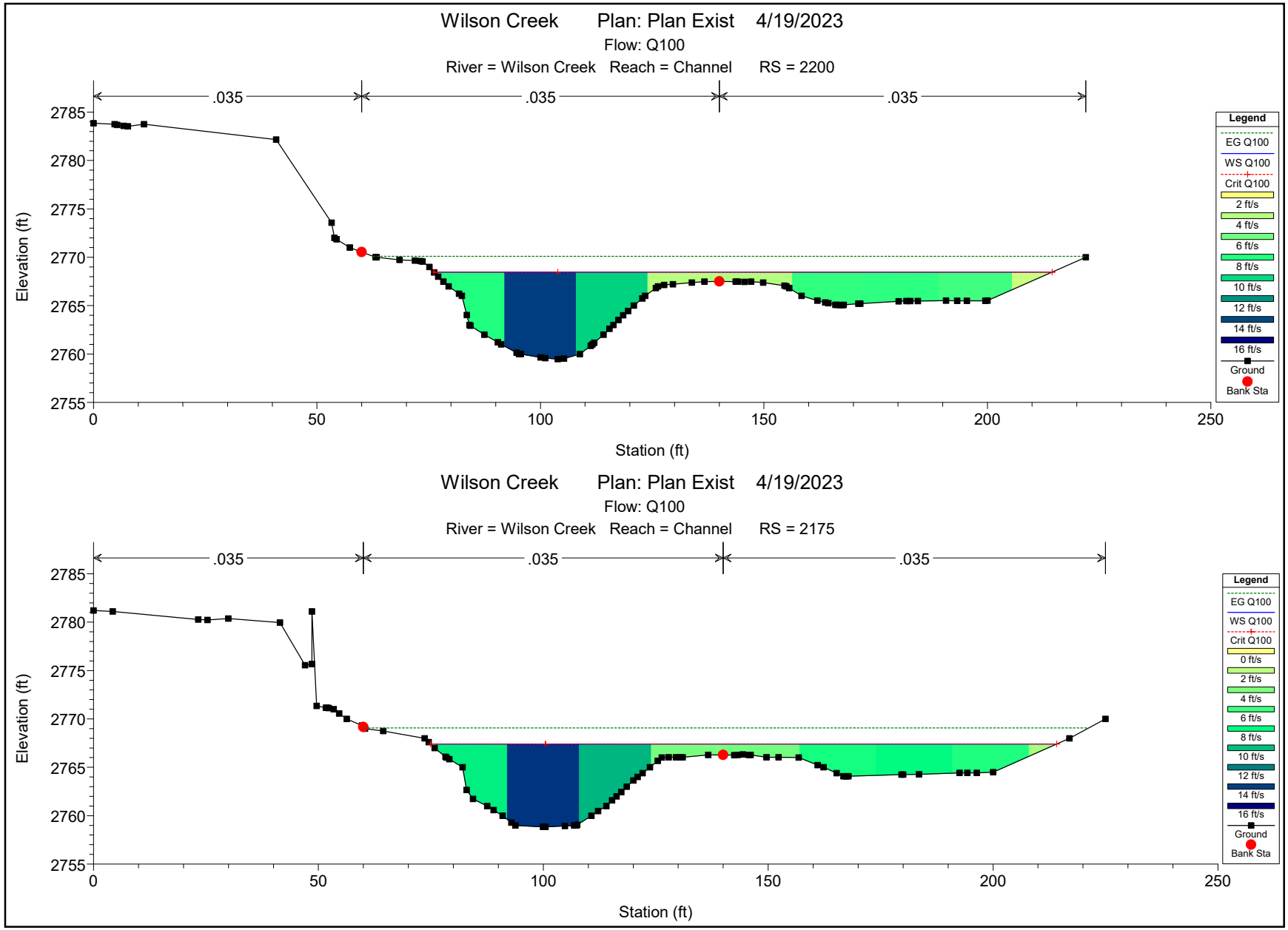

Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 2450
.035
.035
.035
Elevation (ft)
2795
2790
2785
2780
2775
2770
2765
0
50
100
150
200
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
0 ft/s
2 ft/s
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
16 ft/s
Ground
Bank Sta
Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 2425
.035
.035
.035
Elevation (ft)
2795
2790
2785
2780
2775
2770
2765
0
50
100
150
200
250
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
0 ft/s
2 ft/s
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
16 ft/s
Ground
Bank Sta

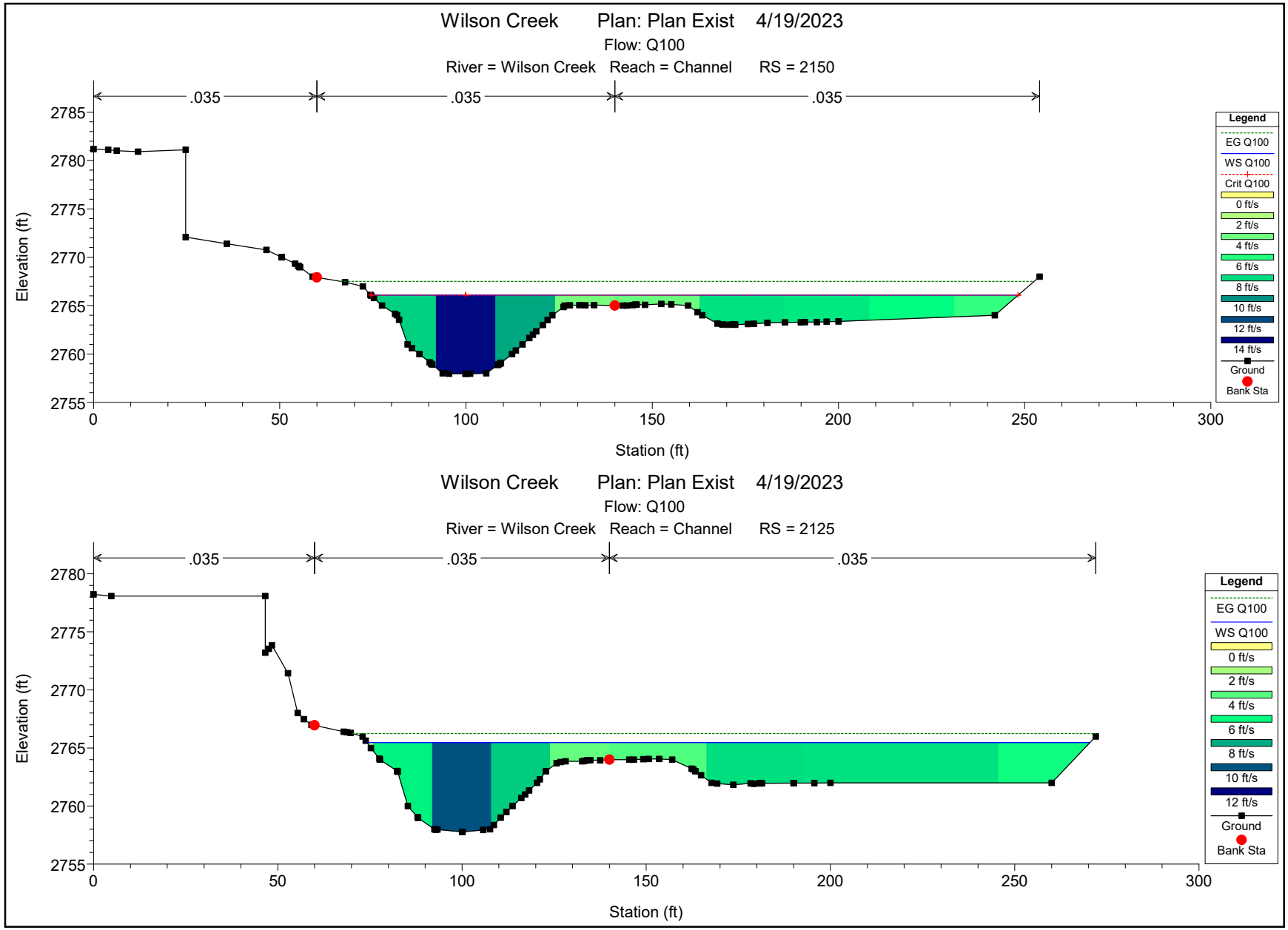

Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 2400
.035
.035
.035
Elevation (ft)
2795
2790
2785
2780
2775
2770
2765
0
50
100
150
200
250
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
0 ft/s
2 ft/s
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
Ground
Bank Sta
Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 2375
.035
.035
.035
Elevation (ft)
2795
2790
2785
2780
2775
2770
2765
0
50
100
150
200
250
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
0 ft/s
2 ft/s
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
Ground
Bank Sta

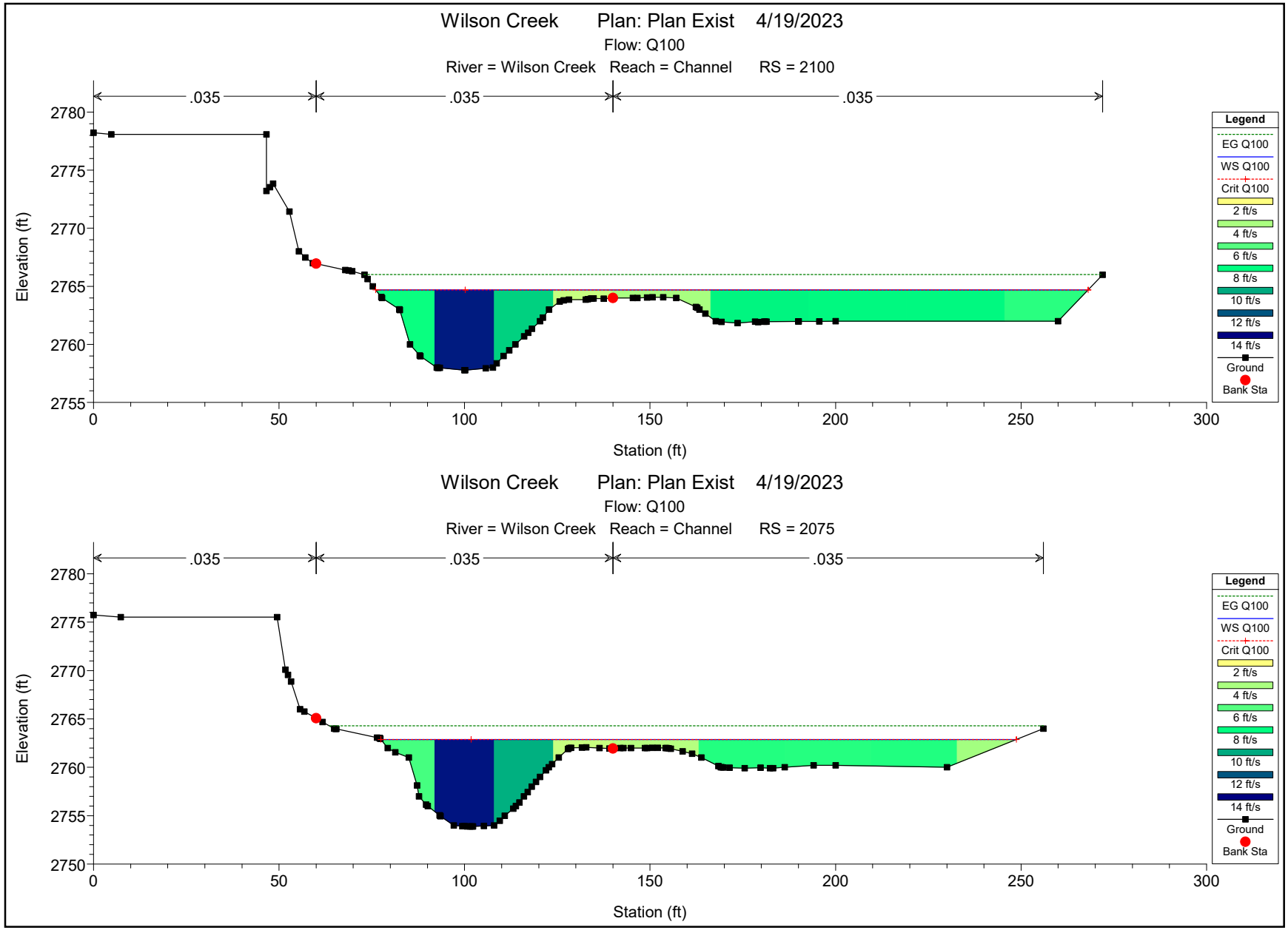

Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 2350
.035
.035
.035
Elevation (ft)
2790
2785
2780
2775
2770
2765
0
50
100
150
200
250
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
0 ft/s
2 ft/s
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
Ground
Bank Sta
Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 2325
.035
.035
.035
Elevation (ft)
2790
2785
2780
2775
2770
2765
0
50
100
150
200
250
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
0 ft/s
2 ft/s
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
Ground
Bank Sta

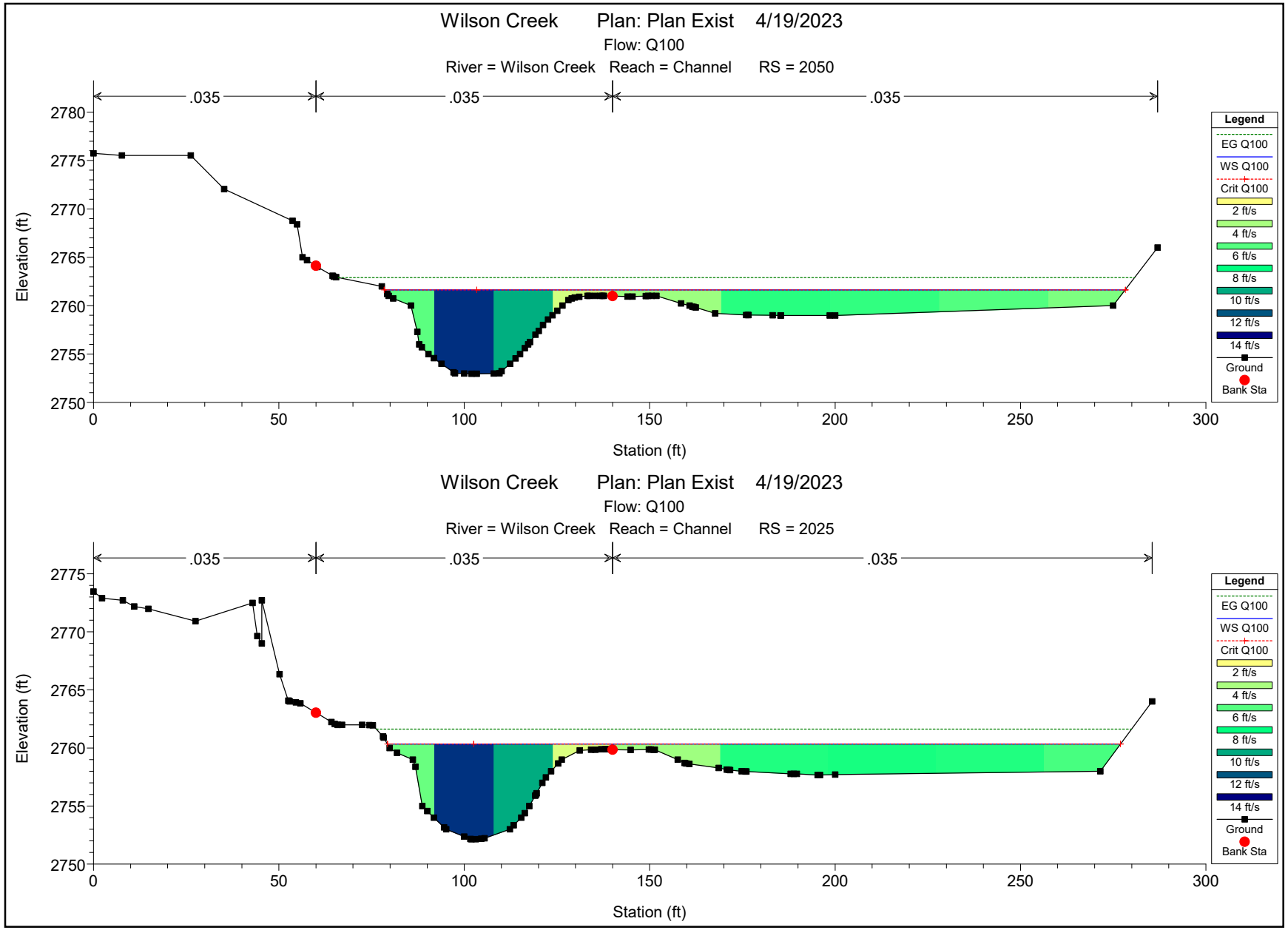

Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 2300
.035
.035
.035
Elevation (ft)
2790
2785
2780
2775
2770
2765
2760
0
50
100
150
200
250
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
0 ft/s
2 ft/s
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
Ground
Bank Sta
Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 2275
.035
.035
.035
Elevation (ft)
2790
2785
2780
2775
2770
2765
2760
0
50
100
150
200
250
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
0 ft/s
2 ft/s
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
16 ft/s
Ground
Bank Sta

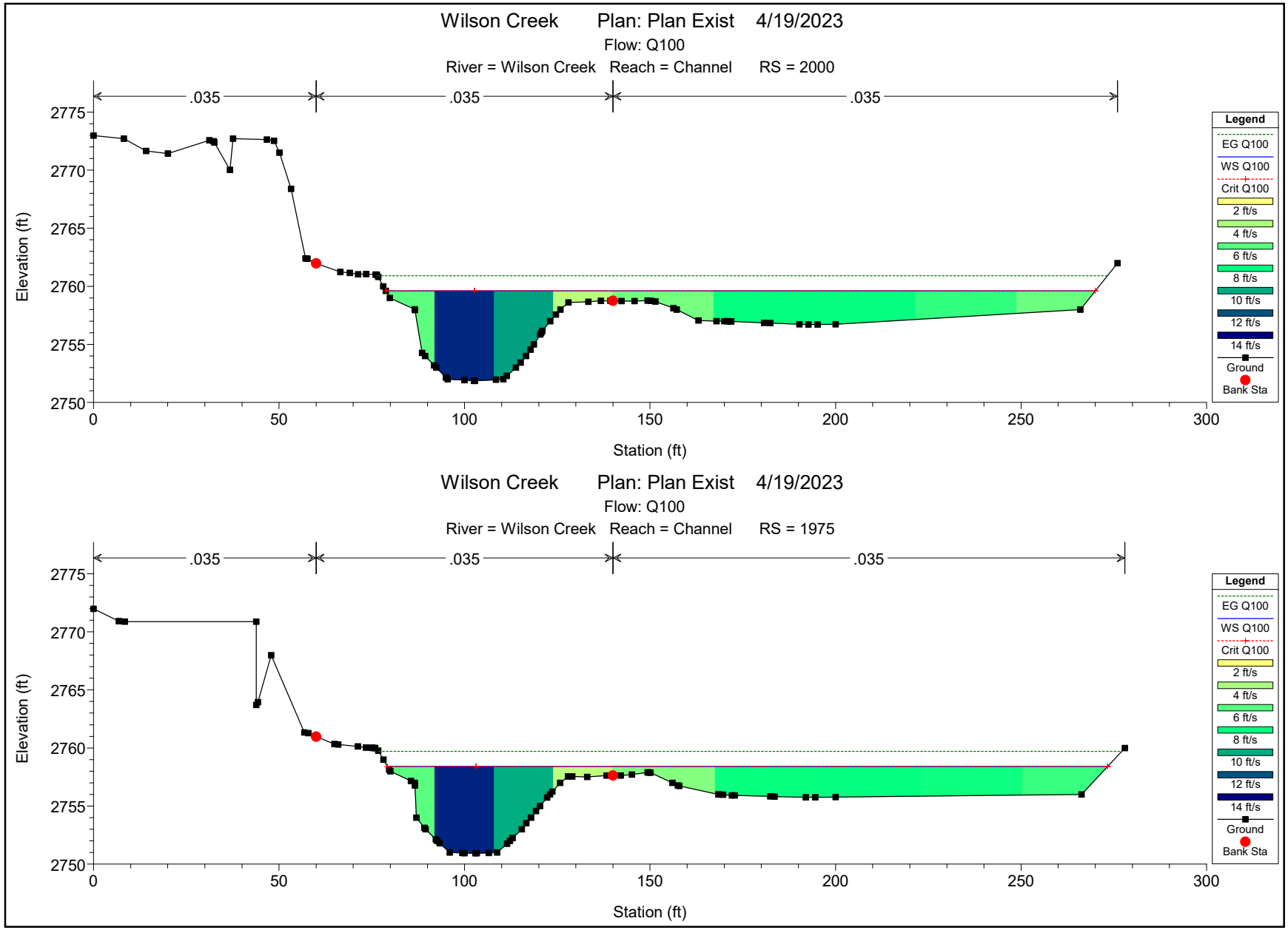

Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 2250
.035
.035
.035
Elevation (ft)
2790
2785
2780
2775
2770
2765
2760
0
50
100
150
200
250
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
2 ft/s
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
16 ft/s
Ground
Bank Sta
Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 2225
.035
.035
.035
Elevation (ft)
2785
2780
2775
2770
2765
2760
2755
0
50
100
150
200
250
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
2 ft/s
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
16 ft/s
Ground
Bank Sta

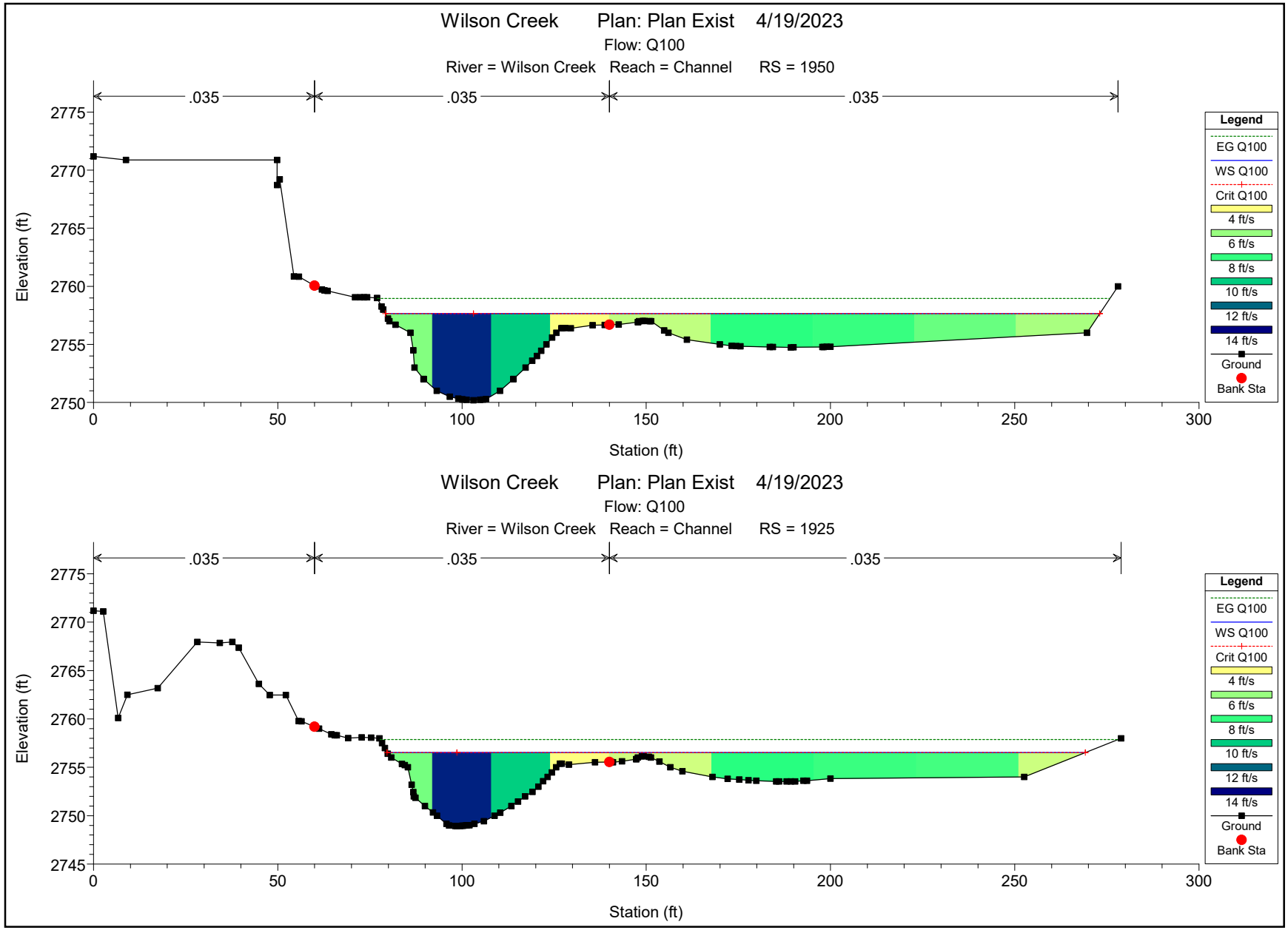

Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 2200
.035
.035
.035
Elevation (ft)
2785
2780
2775
2770
2765
2760
2755
0
50
100
150
200
250
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
2 ft/s
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
16 ft/s
Ground
Bank Sta
Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 2175
.035
.035
.035
Elevation (ft)
2785
2780
2775
2770
2765
2760
2755
0
50
100
150
200
250
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
0 ft/s
2 ft/s
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
16 ft/s
Ground
Bank Sta

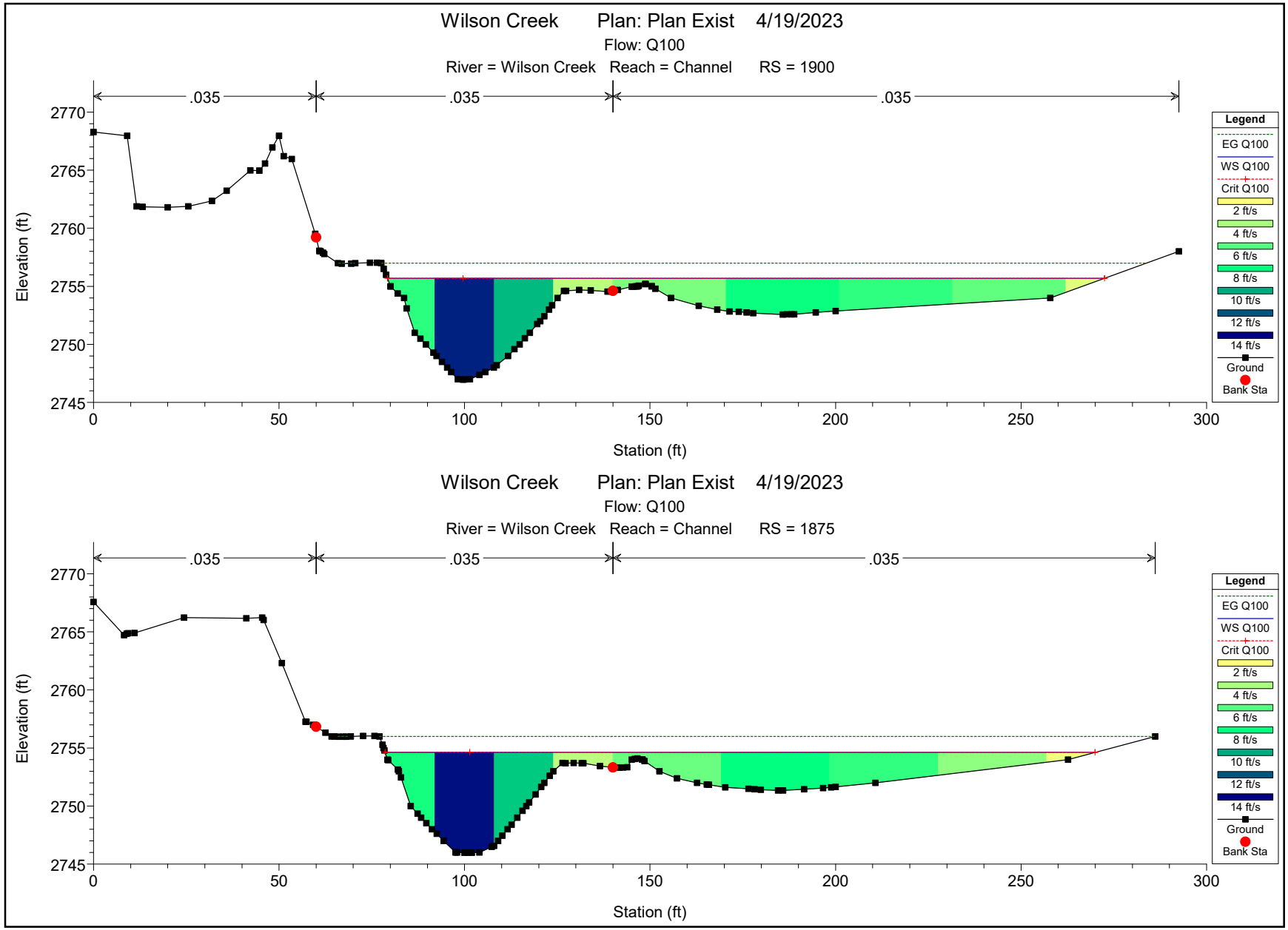

Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 2150
.035
.035
.035
Elevation (ft)
2785
2780
2775
2770
2765
2760
2755
0
50
100
150
200
250
300
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
0 ft/s
2 ft/s
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
Ground
Bank Sta
Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 2125
.035
.035
.035
Elevation (ft)
2780
2775
2770
2765
2760
2755
0
50
100
150
200
250
300
Station (ft)
Legend
EG Q100
WS Q100
0 ft/s
2 ft/s
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
Ground
Bank Sta

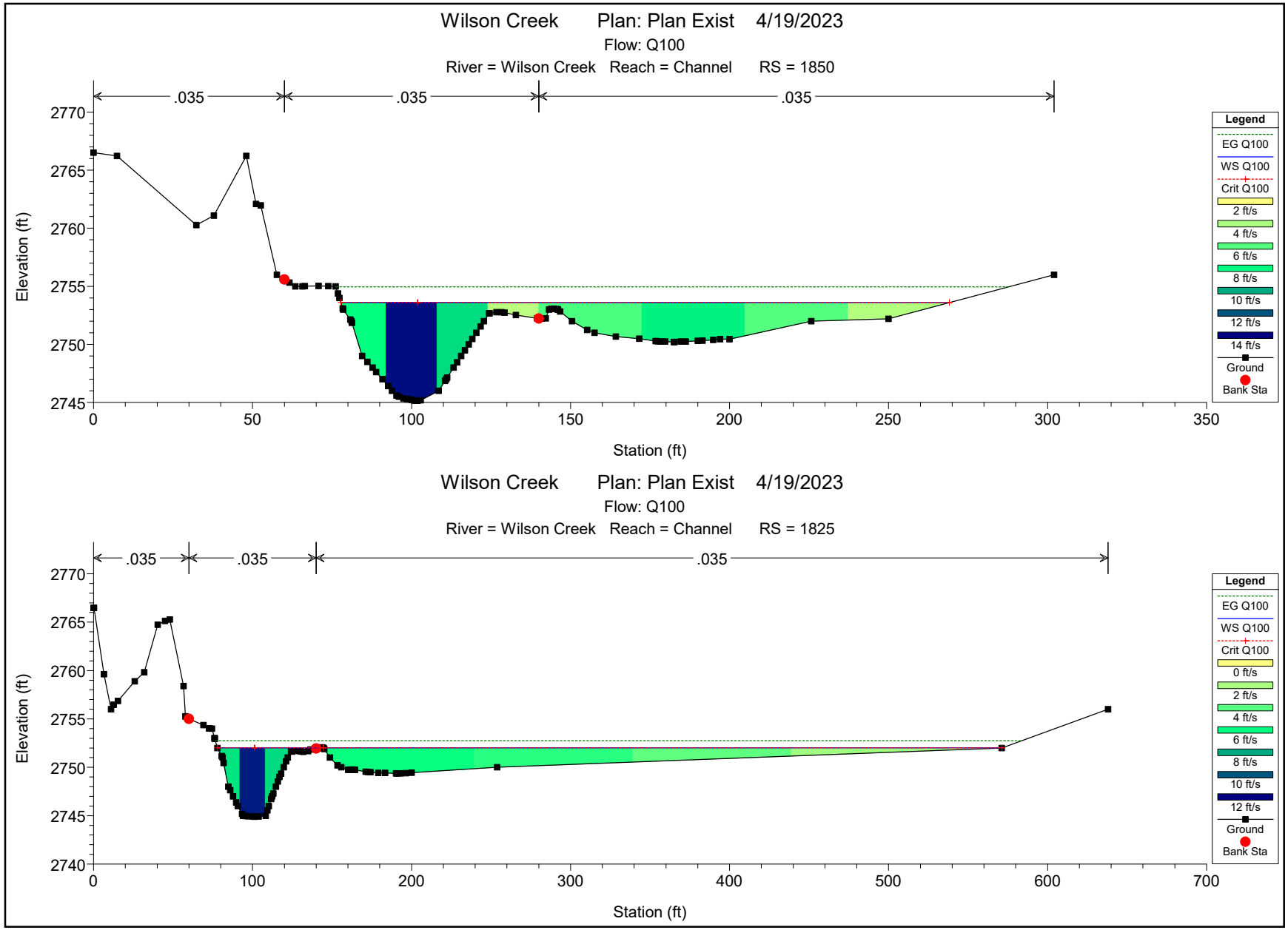

Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 2100
.035
.035
.035
Elevation (ft)
2780
2775
2770
2765
2760
2755
0
50
100
150
200
250
300
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
2 ft/s
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
Ground
Bank Sta
Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 2075
.035
.035
.035
Elevation (ft)
2780
2775
2770
2765
2760
2755
2750
0
50
100
150
200
250
300
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
2 ft/s
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
Ground
Bank Sta

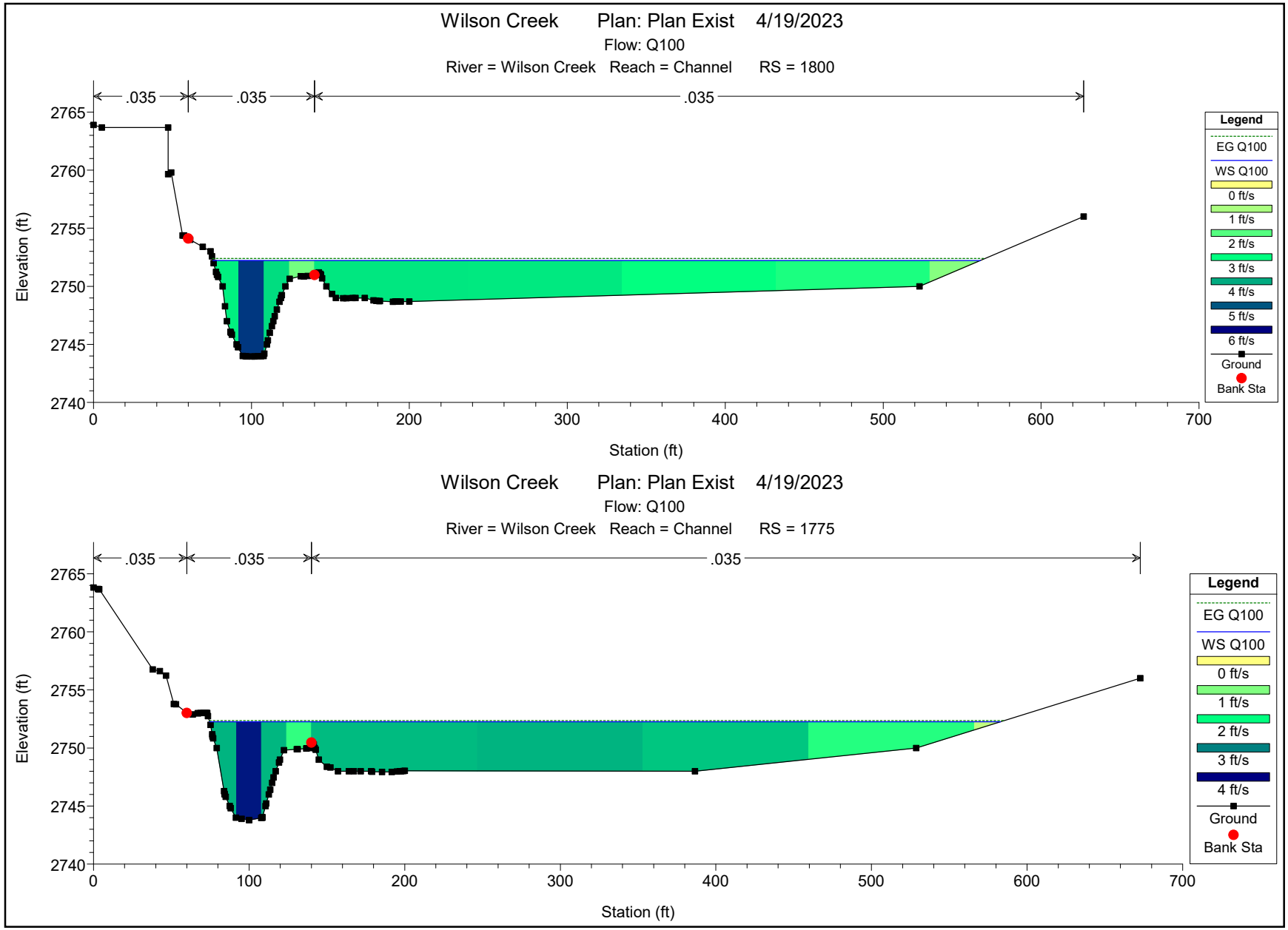

Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 2050
.035
.035
.035
Elevation (ft)
2780
2775
2770
2765
2760
2755
2750
0
50
100
150
200
250
300
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
2 ft/s
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
Ground
Bank Sta
Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 2025
.035
.035
.035
Elevation (ft)
2775
2770
2765
2760
2755
2750
0
50
100
150
200
250
300
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
2 ft/s
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
Ground
Bank Sta

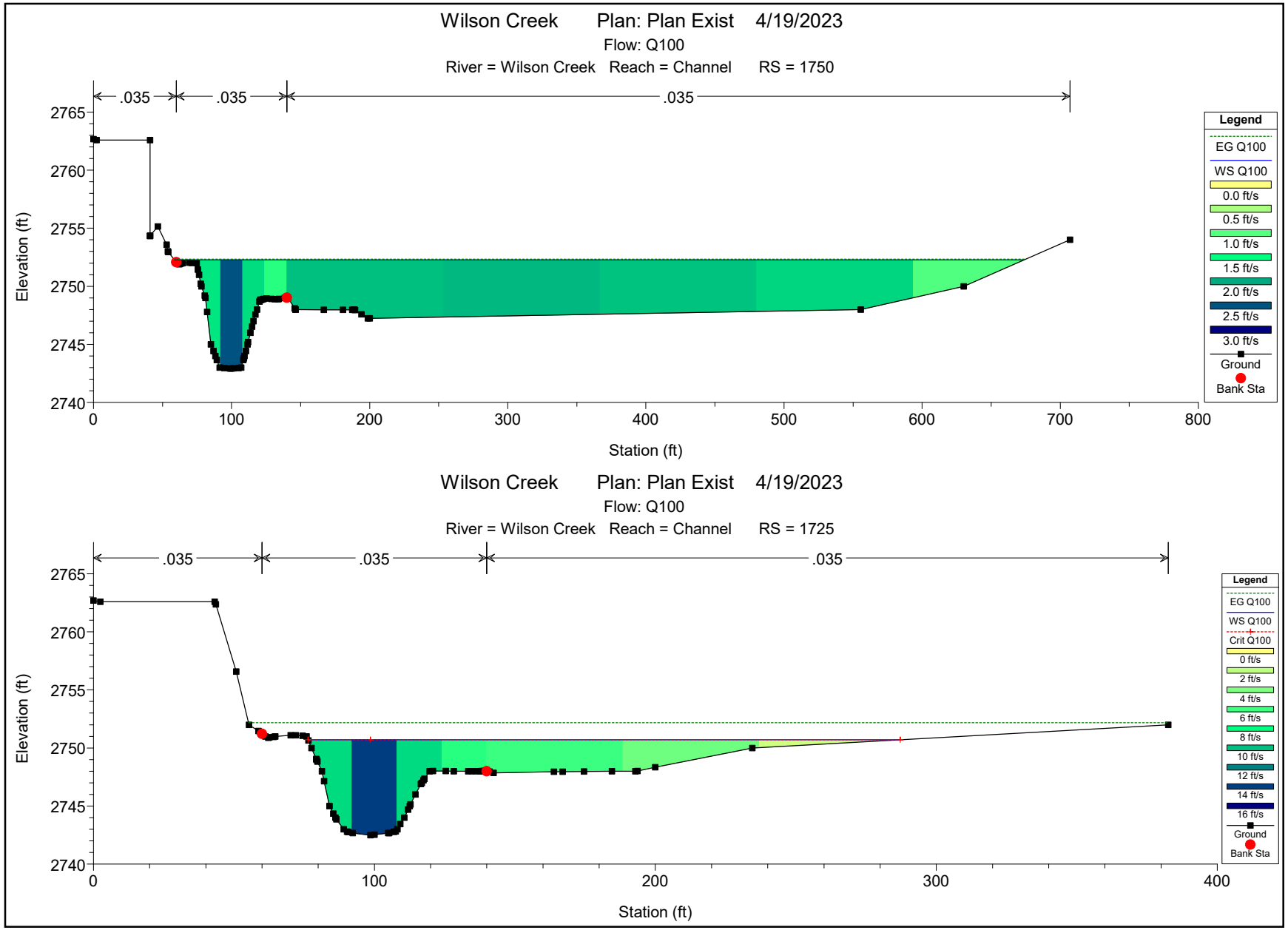

Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 2000
.035
.035
.035
Elevation (ft)
2775
2770
2765
2760
2755
2750
0
50
100
150
200
250
300
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
2 ft/s
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
Ground
Bank Sta
Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 1975
.035
.035
.035
Elevation (ft)
2775
2770
2765
2760
2755
2750
0
50
100
150
200
250
300
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
2 ft/s
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
Ground
Bank Sta

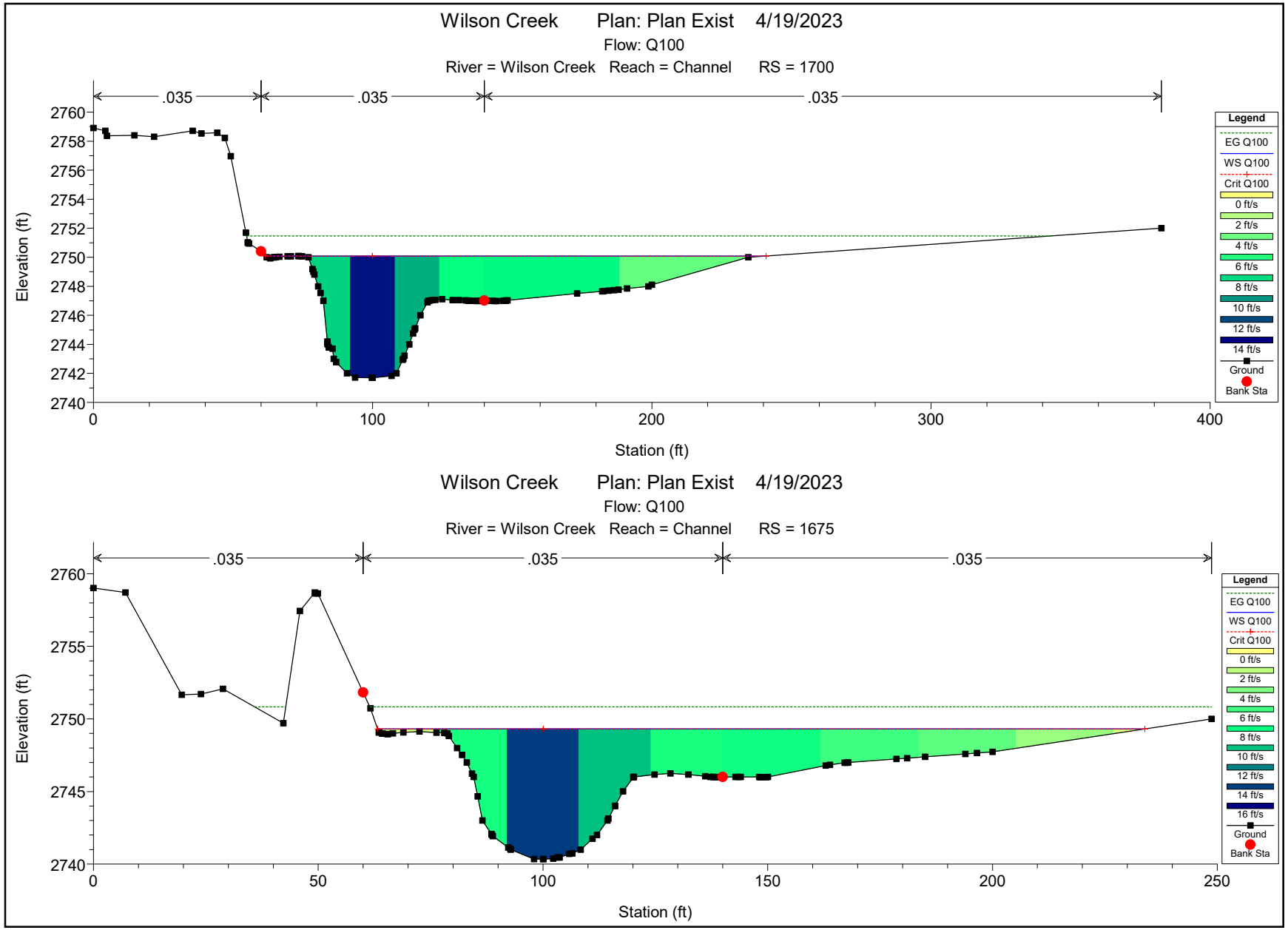

Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 1950
.035
.035
.035
Elevation (ft)
2775
2770
2765
2760
2755
2750
0
50
100
150
200
250
300
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
Ground
Bank Sta
Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 1925
.035
.035
.035
Elevation (ft)
2775
2770
2765
2760
2755
2750
2745
0
50
100
150
200
250
300
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
Ground
Bank Sta


Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 1900
.035
.035
.035
Elevation (ft)
2770
2765
2760
2755
2750
2745
0
50
100
150
200
250
300
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
2 ft/s
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
Ground
Bank Sta
Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 1875
.035
.035
.035
Elevation (ft)
2770
2765
2760
2755
2750
2745
0
50
100
150
200
250
300
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
2 ft/s
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
Ground
Bank Sta


Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 1850
.035
.035
.035
Elevation (ft)
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
2 ft/s
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
Ground
Bank Sta
Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 1825
.035
.035
.035
Elevation (ft)
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
0 ft/s
2 ft/s
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
Ground
Bank Sta


Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 1800
.035
.035
.035
Elevation (ft)
2765
2760
2755
2750
2745
2740
0
100
200
300
400
500
600
700
Station (ft)
Legend
EG Q100
WS Q100
0 ft/s
1 ft/s
2 ft/s
3 ft/s
4 ft/s
5 ft/s
6 ft/s
Ground
Bank Sta
Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 1775
.035
.035
.035
Elevation (ft)
2765
2760
2755
2750
2745
2740
0
100
200
300
400
500
600
700
Station (ft)
Legend
EG Q100
WS Q100
0 ft/s
1 ft/s
2 ft/s
3 ft/s
4 ft/s
Ground
Bank Sta


Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 1750
.035
.035
.035
Elevation (ft)
2765
2760
2755
2750
2745
2740
0
100
200
300
400
500
600
700
800
Station (ft)
Legend
EG Q100
WS Q100
0.0 ft/s
0.5 ft/s
1.0 ft/s
1.5 ft/s
2.0 ft/s
2.5 ft/s
3.0 ft/s
Ground
Bank Sta
Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 1725
.035
.035
.035
Elevation (ft)
2765
2760
2755
2750
2745
2740
0
100
200
300
400
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
0 ft/s
2 ft/s
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
16 ft/s
Ground
Bank Sta


Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 1700
.035
.035
.035
Elevation (ft)
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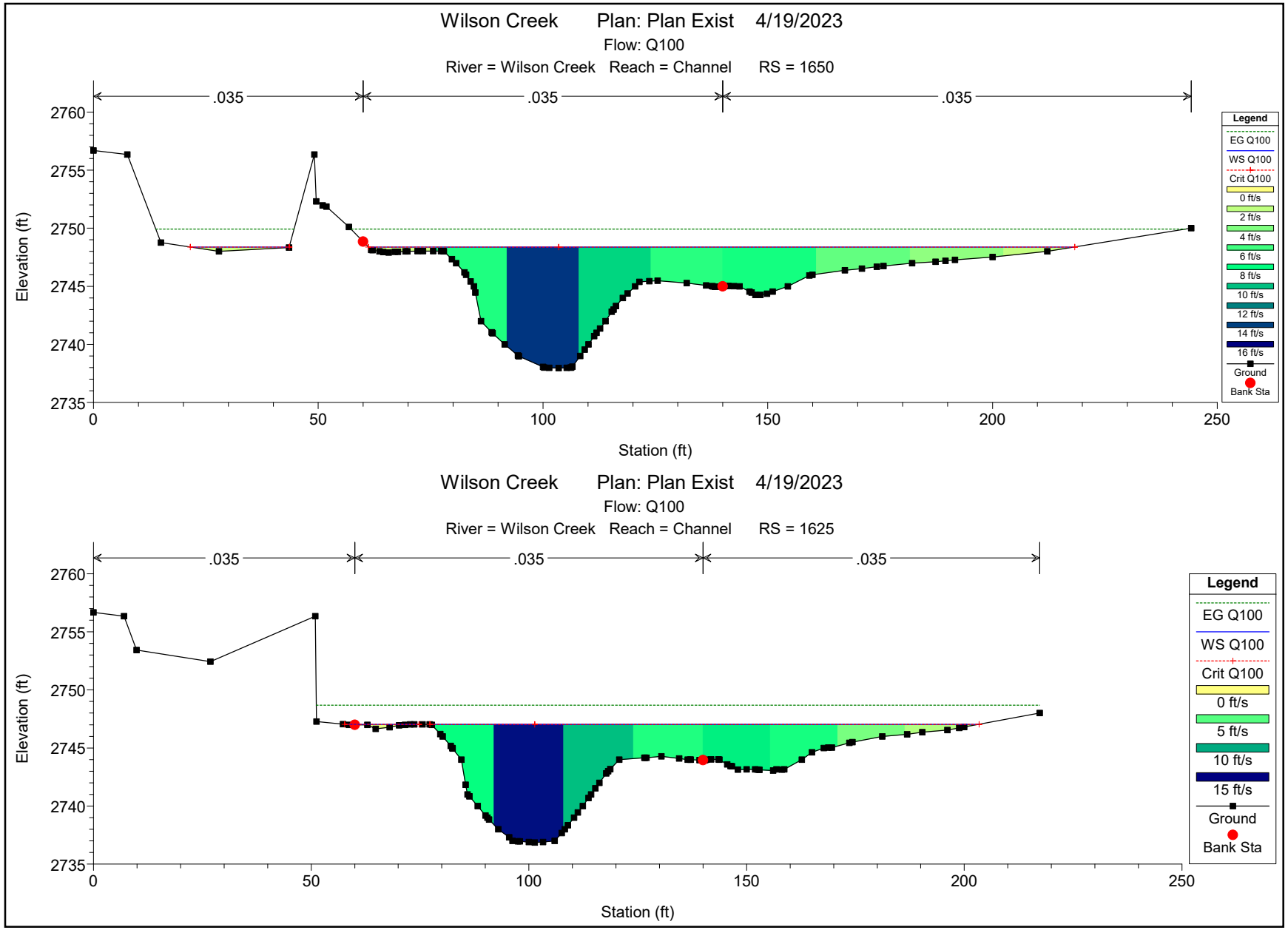
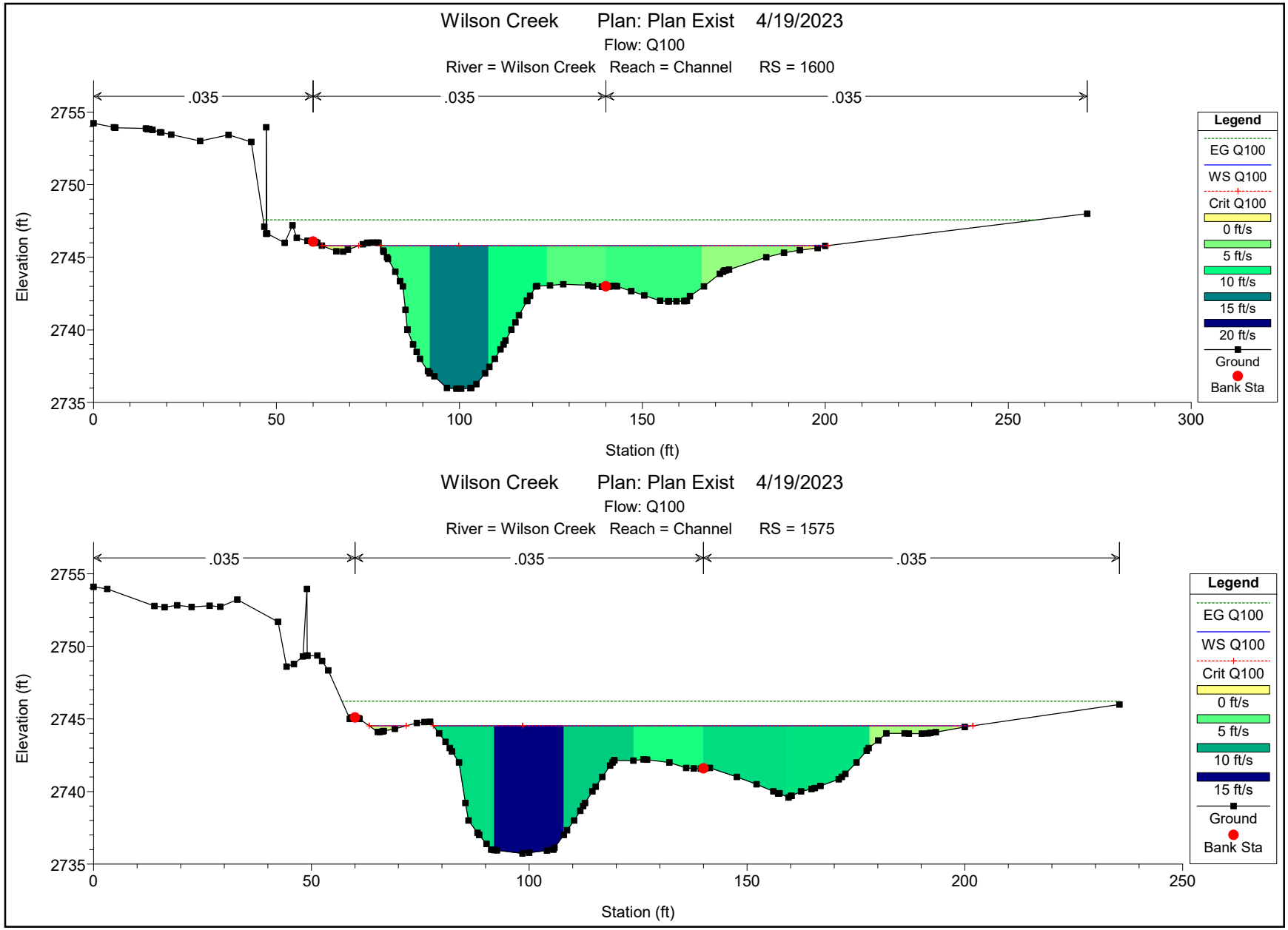
2758
2756
2754
2752
2750
2748
2746
2744
2742
2740
0
100
200
300
400
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
0 ft/s
2 ft/s
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
Ground
Bank Sta
Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 1675
.035
.035
.035
Elevation (ft)
2760
2755
2750
2745
2740
0
50
100
150
200
250
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
0 ft/s
2 ft/s
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
16 ft/s
Ground
Bank Sta


Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 1650
.035
.035
.035
Elevation (ft)
2760
2755
2750
2745
2740
2735
0
50
100
150
200
250
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
0 ft/s
2 ft/s
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
16 ft/s
Ground
Bank Sta
Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 1625
.035
.035
.035
Elevation (ft)
2760
2755
2750
2745
2740
2735
0
50
100
150
200
250
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
0 ft/s
5 ft/s
10 ft/s
15 ft/s
Ground
Bank Sta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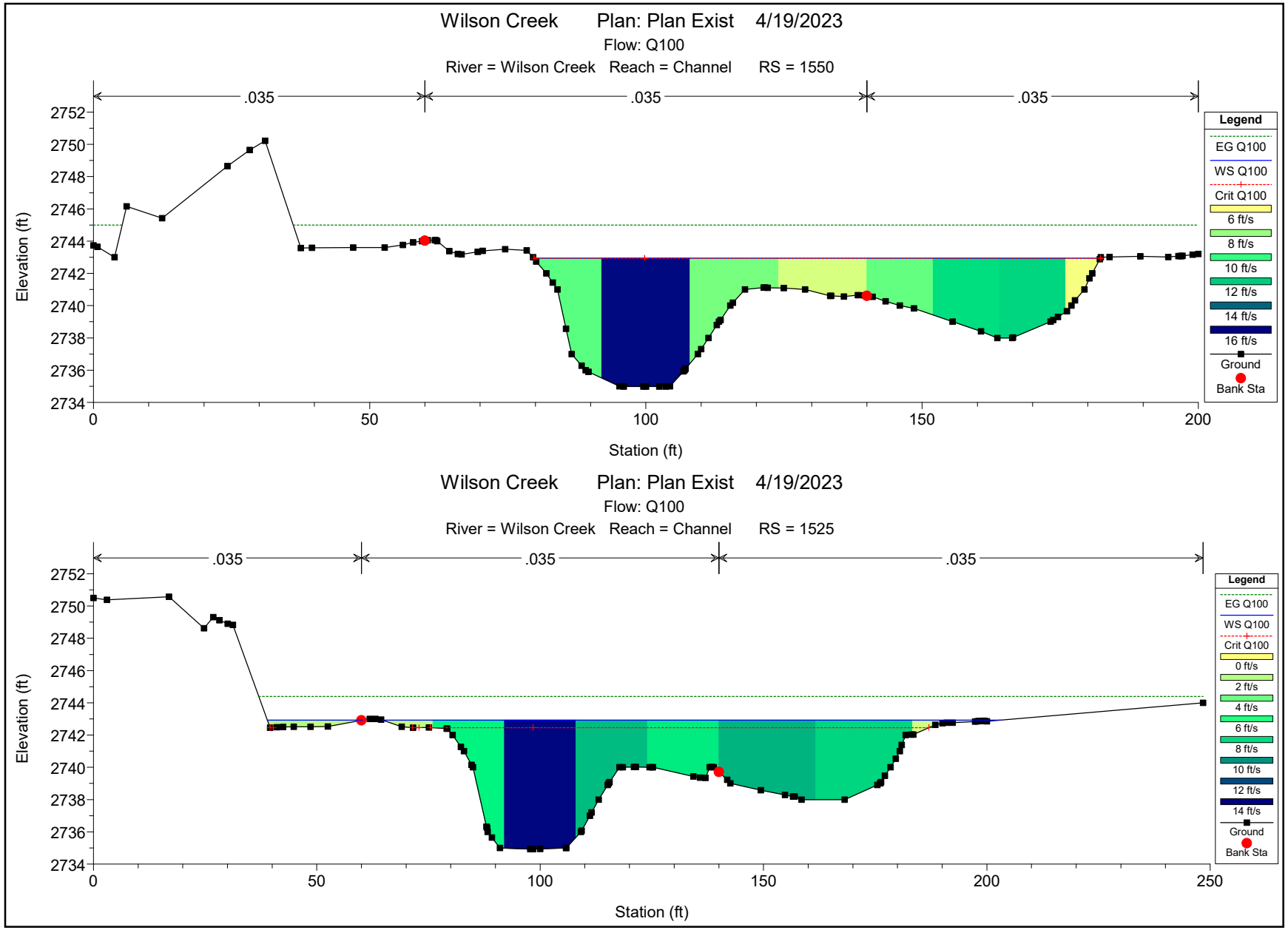
Flow: Q100
River = Wilson Creek Reach = Channel RS = 1600
.035
.035
.035
Elevation (ft)
2755
2750
2745
2740
2735
0
50
100
150
200
250
300
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
0 ft/s
5 ft/s
10 ft/s
15 ft/s
20 ft/s
Ground
Bank Sta
Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 1575
.035
.035
.035
Elevation (ft)
2755
2750
2745
2740
2735
0
50
100
150
200
250
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
0 ft/s
5 ft/s
10 ft/s
15 ft/s
Ground
Bank Sta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Flow: Q100
River = Wilson Creek Reach = Channel RS = 1550
.035
.035
.035
Elevation (ft)
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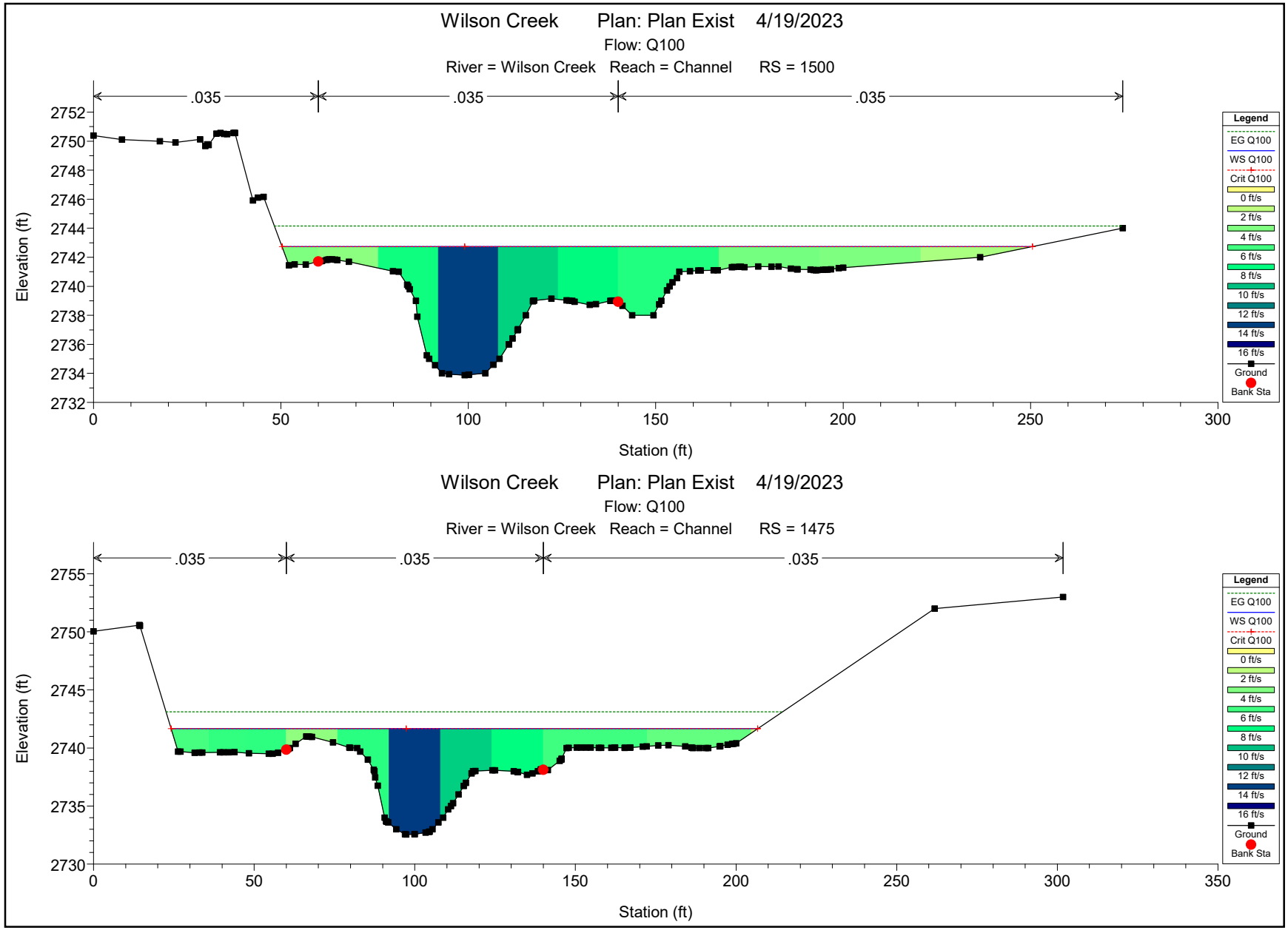
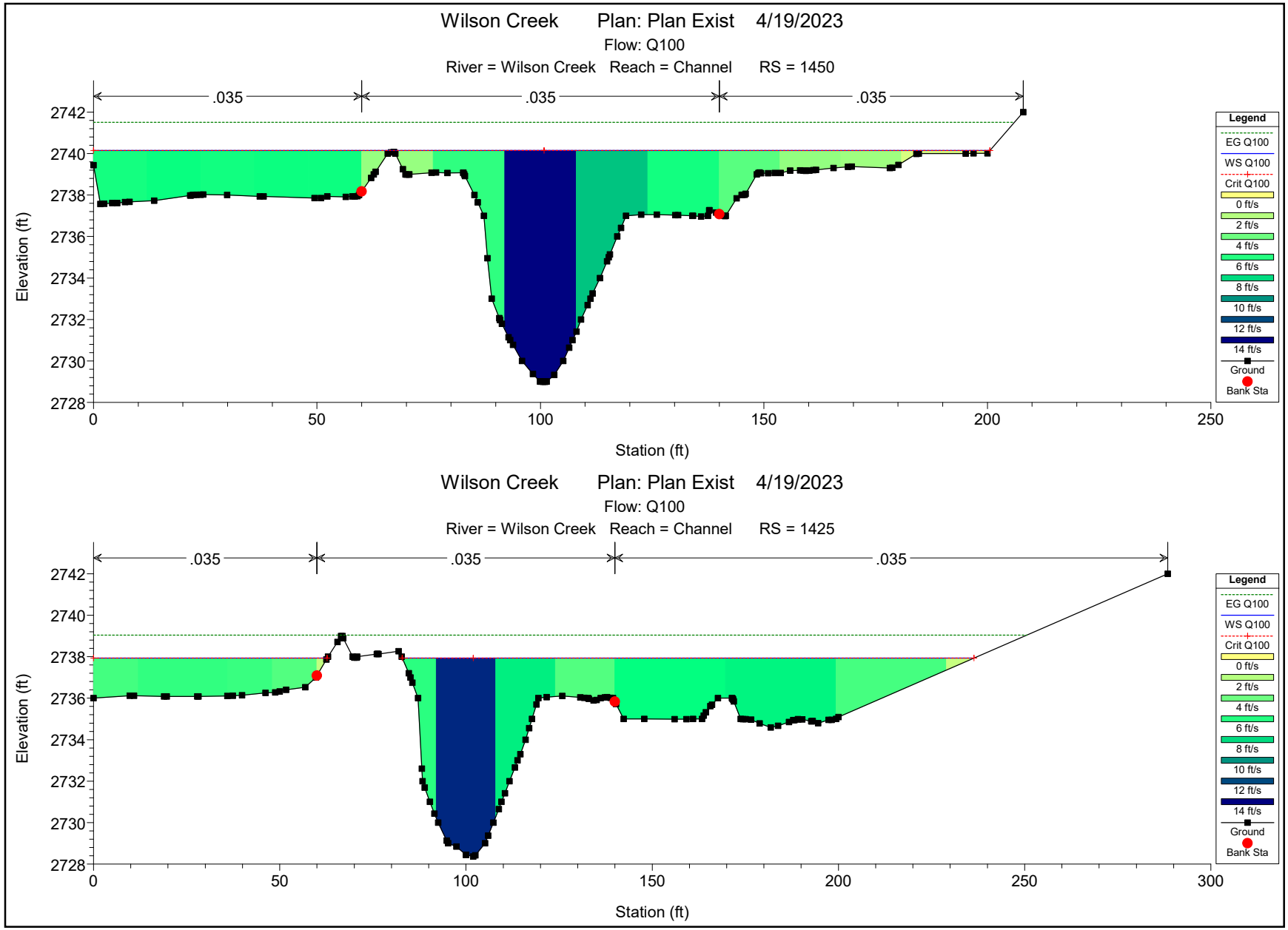
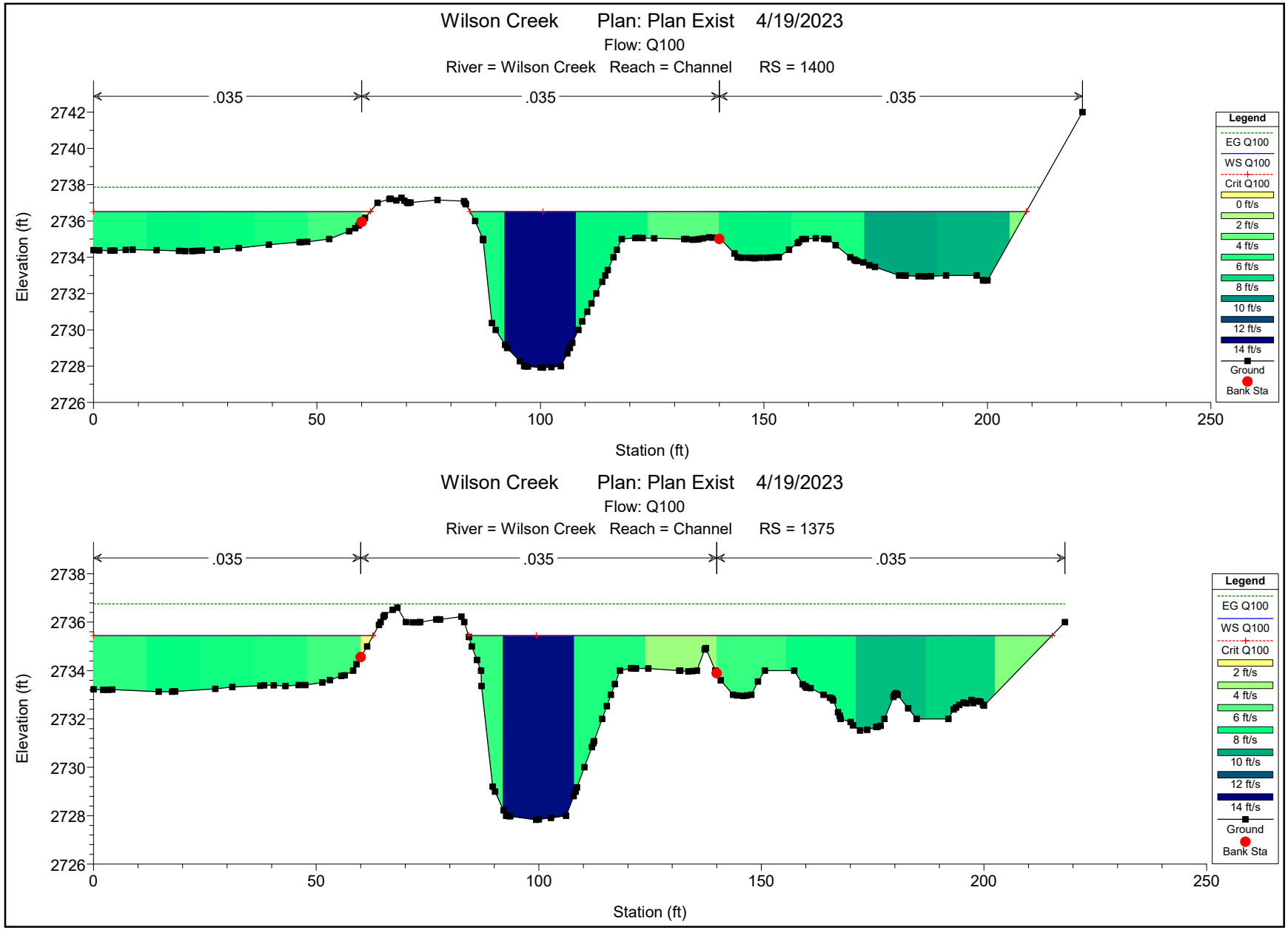
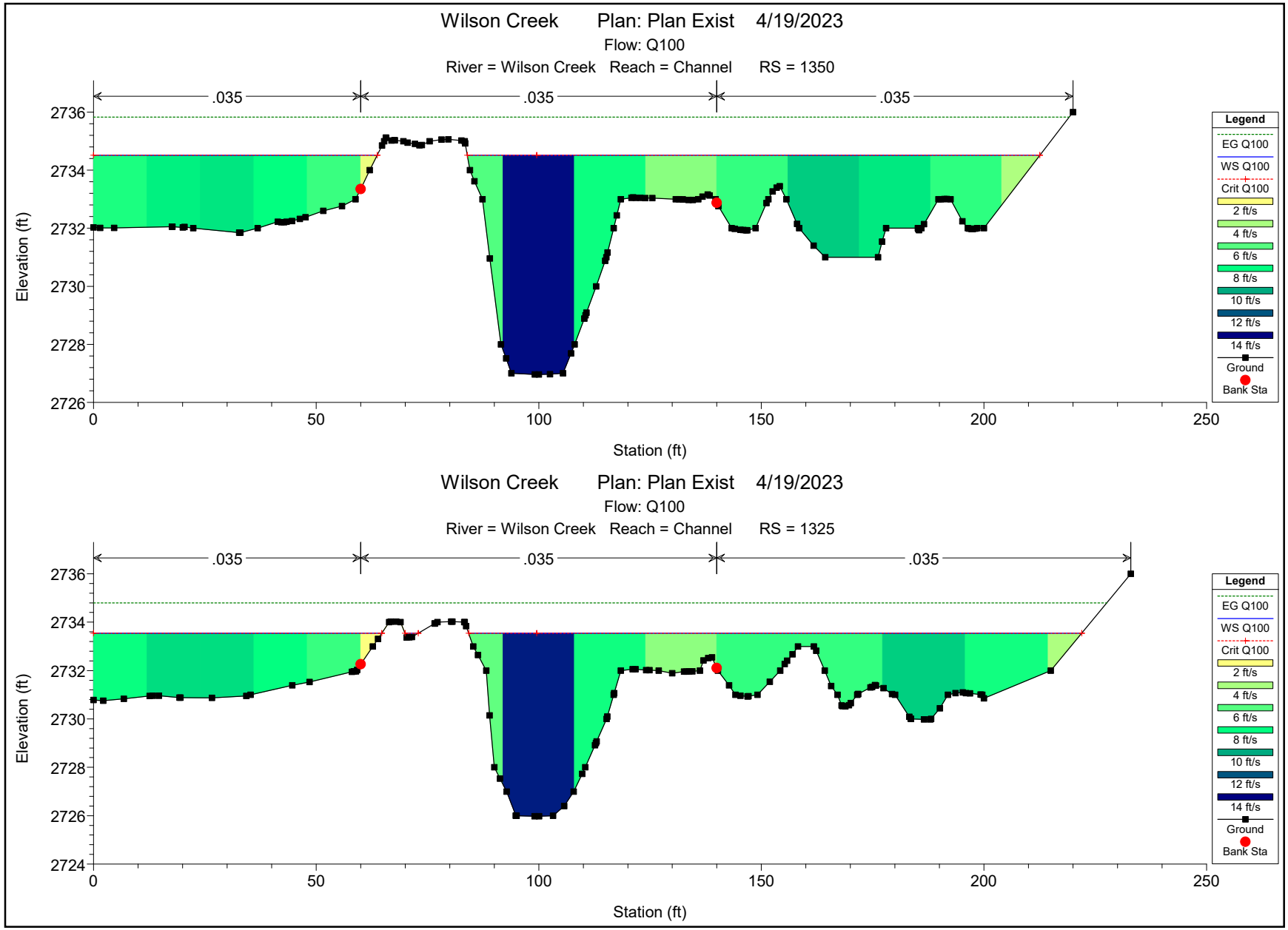
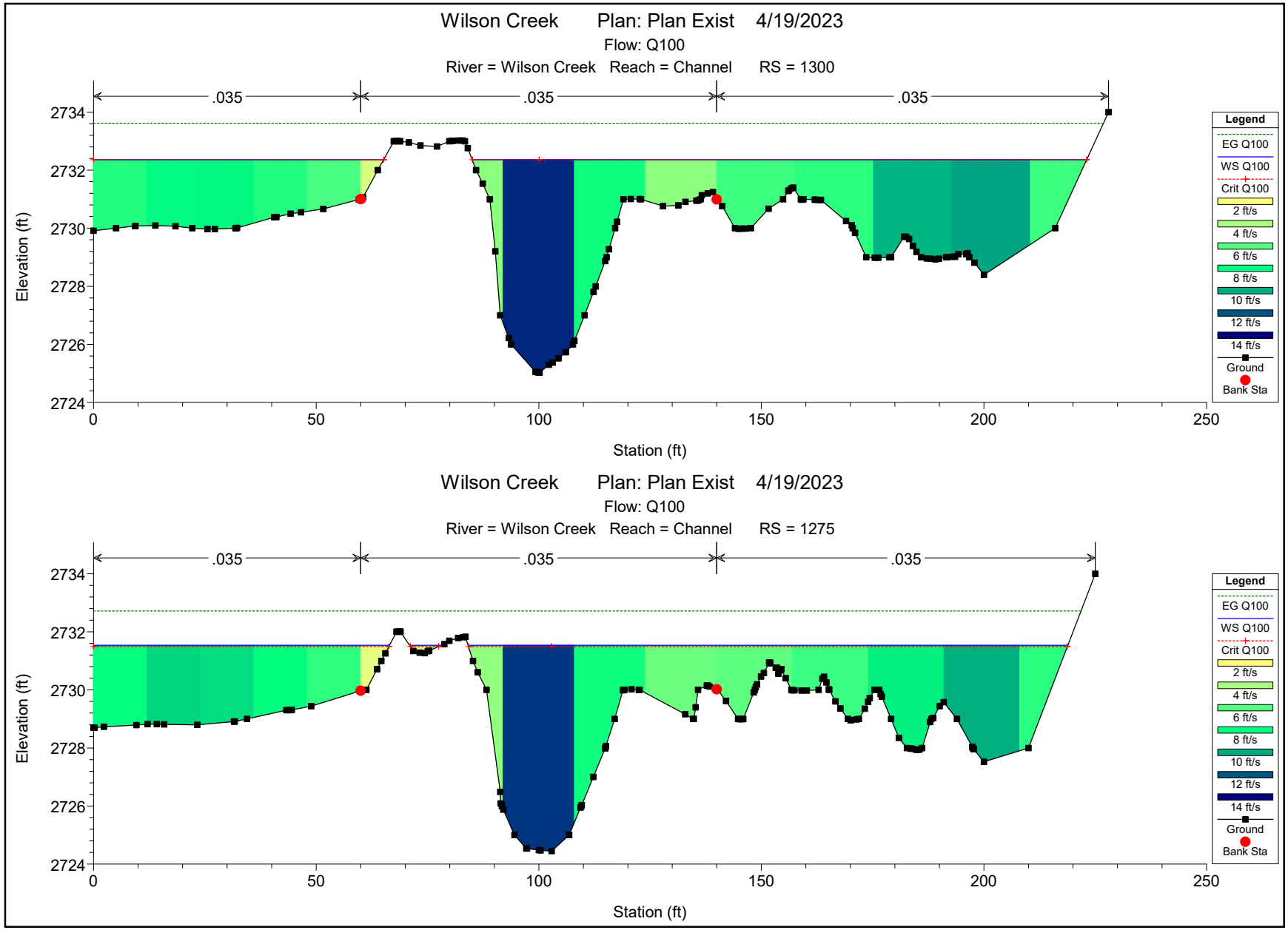
2750
2748
2746
2744
2742
2740
2738
2736
2734
0
50
100
150
200
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
16 ft/s
Ground
Bank Sta
Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 1525
.035
.035
.035
Elevation (ft)
2752
2750
2748
2746
2744
2742
2740
2738
2736
2734
0
50
100
150
200
250
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
0 ft/s
2 ft/s
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
Ground
Bank Sta

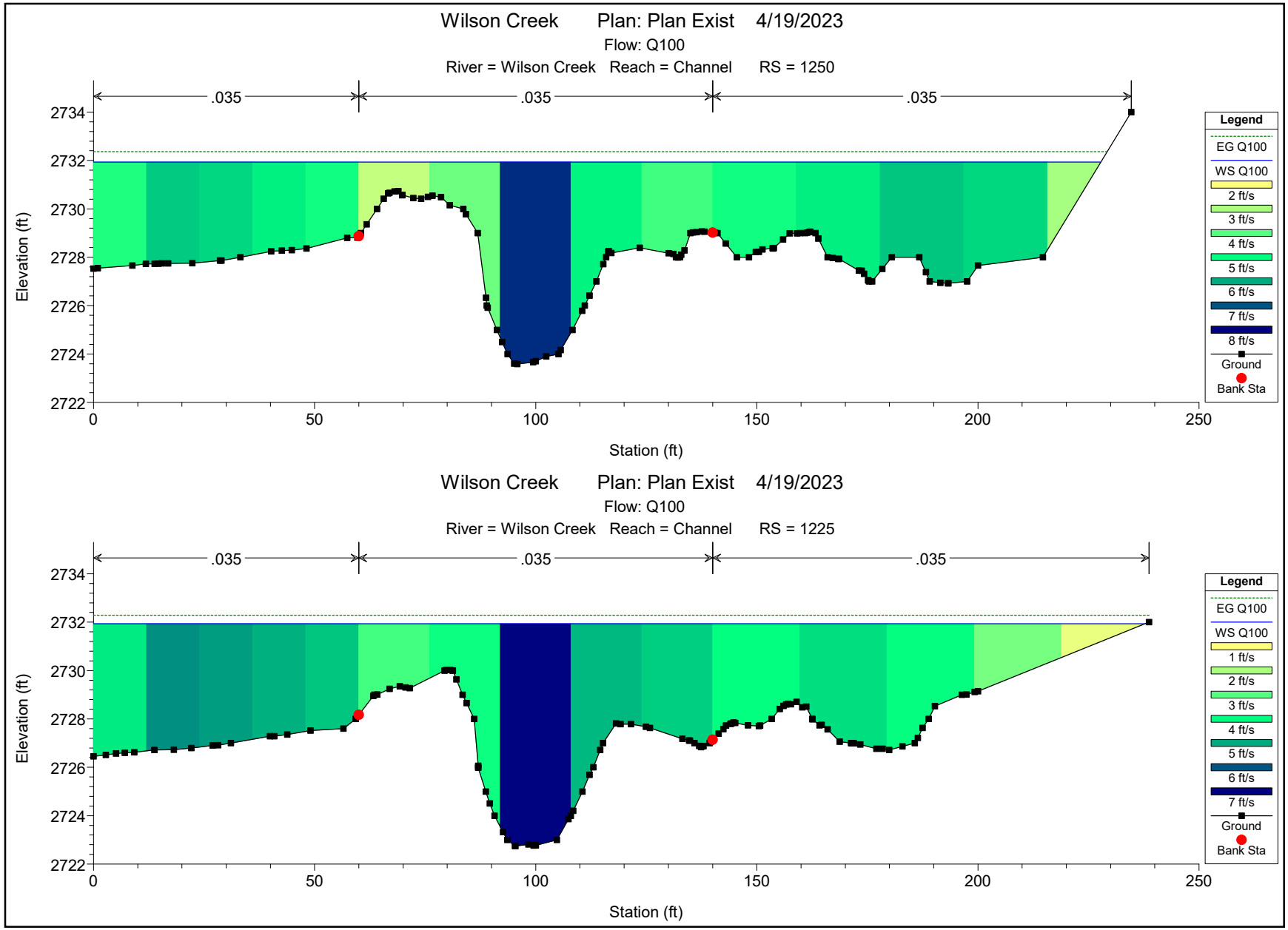

Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 1500
.035
.035
.035
Elevation (ft)
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
0 ft/s
2 ft/s
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
16 ft/s
Ground
Bank Sta
Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 1475
.035
.035
.035
Elevation (ft)
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
0 ft/s
2 ft/s
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
16 ft/s
Ground
Bank Sta

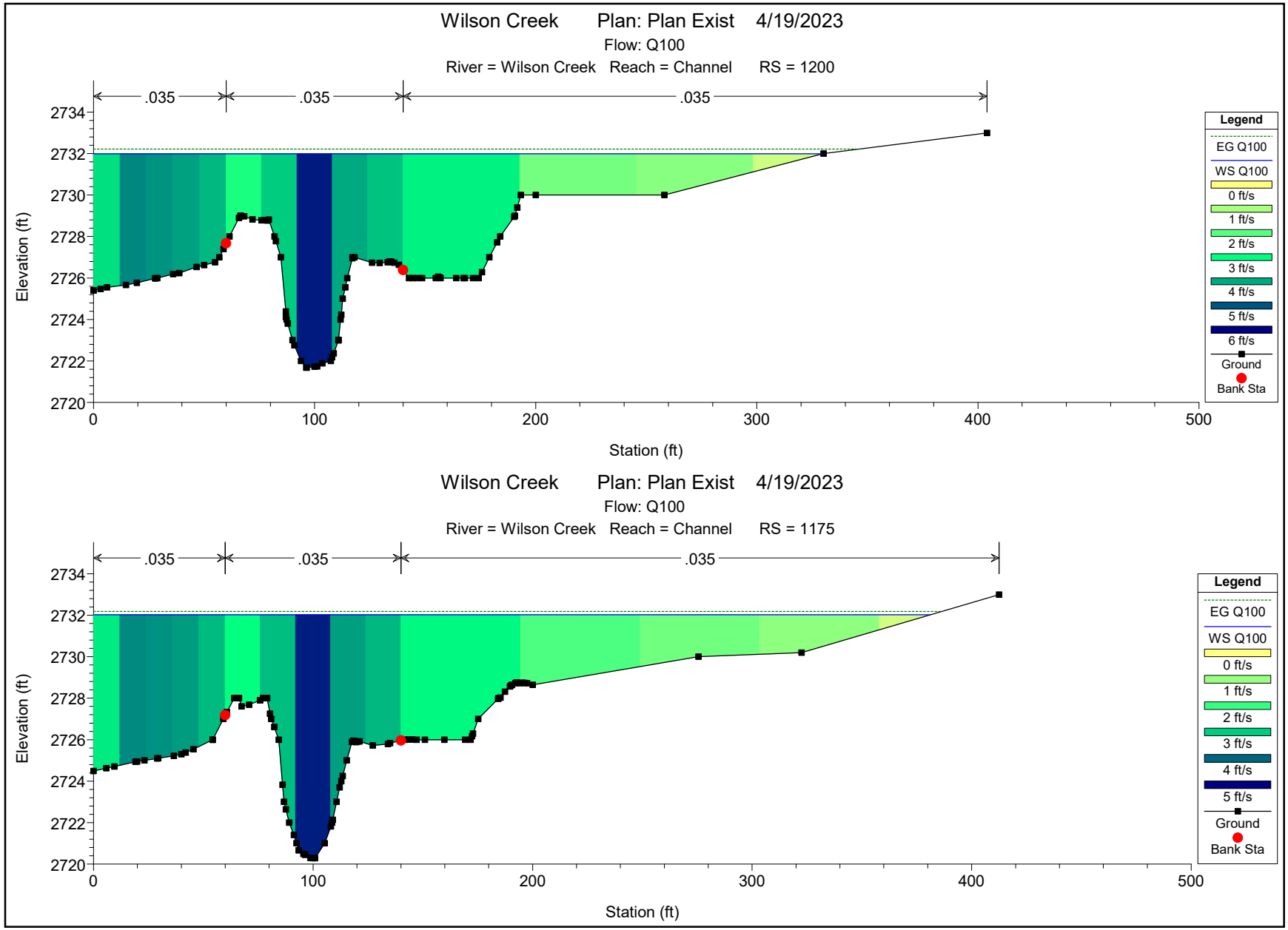

Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 1450
.035
.035
.035
Elevation (ft)
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
0 ft/s
2 ft/s
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
Ground
Bank Sta
Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 1425
.035
.035
.035
Elevation (ft)
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
0 ft/s
2 ft/s
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
Ground
Bank Sta

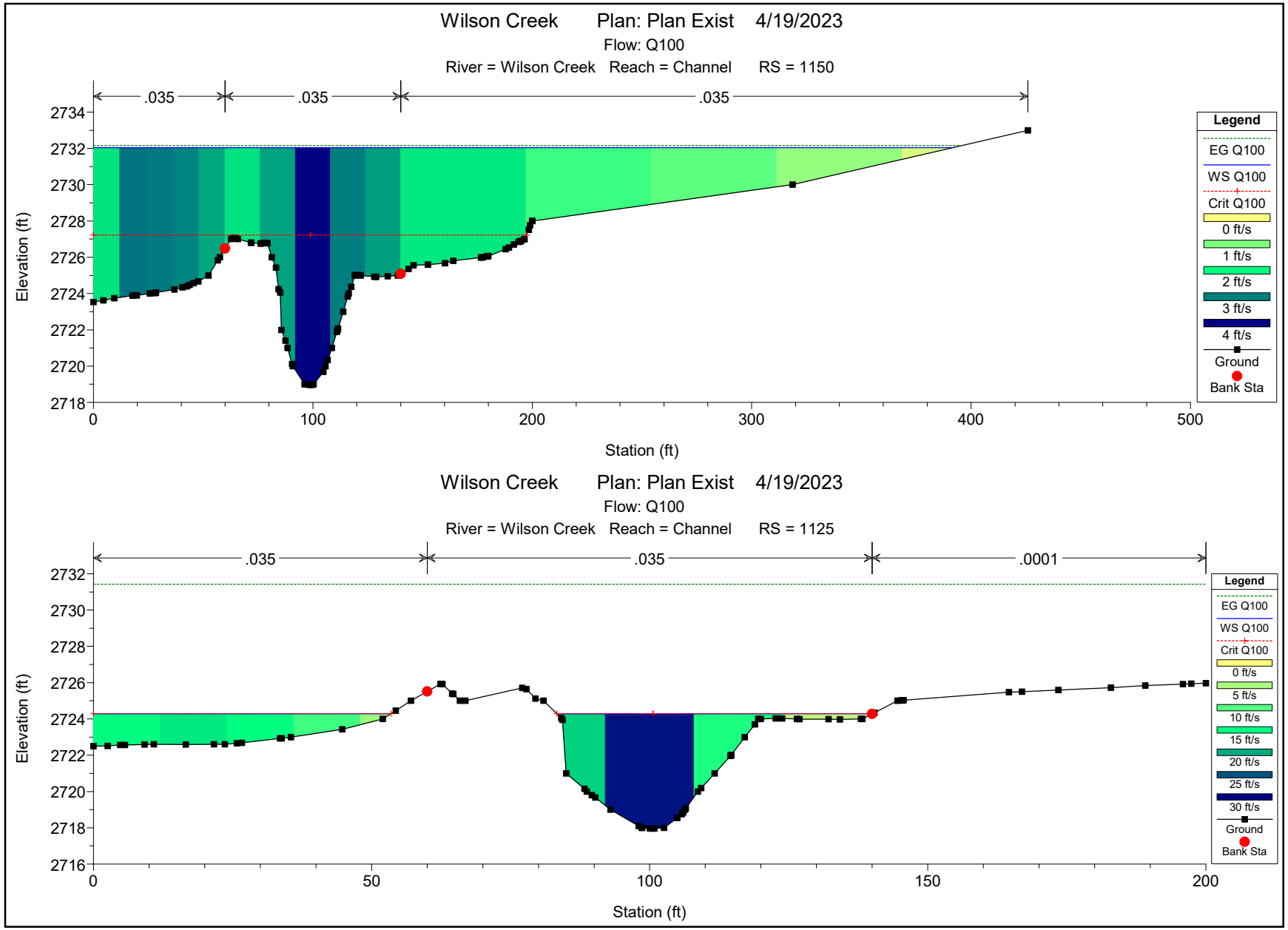

Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 1400
.035
.035
.035
Elevation (ft)
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
0 ft/s
2 ft/s
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
Ground
Bank Sta
Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 1375
.035
.035
.035
Elevation (ft)
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
2 ft/s
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
Ground
Bank Sta


Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 1350
.035
.035
.035
Elevation (ft)
2736
2734
2732
2730
2728
2726
0
50
100
150
200
250
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
2 ft/s
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
Ground
Bank Sta
Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 1325
.035
.035
.035
Elevation (ft)
2736
2734
2732
2730
2728
2726
2724
0
50
100
150
200
250
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
2 ft/s
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
Ground
Bank Sta


Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 1300
.035
.035
.035
Elevation (ft)
2734
2732
2730
2728
2726
2724
0
50
100
150
200
250
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
2 ft/s
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
Ground
Bank Sta
Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 1275
.035
.035
.035
Elevation (ft)
2734
2732
2730
2728
2726
2724
0
50
100
150
200
250
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
2 ft/s
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
Ground
Bank Sta


Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 1250
.035
.035
.035
Elevation (ft)
2734
2732
2730
2728
2726
2724
2722
0
50
100
150
200
250
Station (ft)
Legend
EG Q100
WS Q100
2 ft/s
3 ft/s
4 ft/s
5 ft/s
6 ft/s
7 ft/s
8 ft/s
Ground
Bank Sta
Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 1225
.035
.035
.035
Elevation (ft)
2734
2732
2730
2728
2726
2724
2722
0
50
100
150
200
250
Station (ft)
Legend
EG Q100
WS Q100
1 ft/s
2 ft/s
3 ft/s
4 ft/s
5 ft/s
6 ft/s
7 ft/s
Ground
Bank Sta


Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 1200
.035
.035
.035
Elevation (ft)
Station (ft)
Legend
EG Q100
WS Q100
0 ft/s
1 ft/s
2 ft/s
3 ft/s
4 ft/s
5 ft/s
6 ft/s
Ground
Bank Sta
Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 1175
.035
.035
.035
Elevation (ft)
Station (ft)
Legend
EG Q100
WS Q100
0 ft/s
1 ft/s
2 ft/s
3 ft/s
4 ft/s
5 ft/s
Ground
Bank Sta


Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 1150
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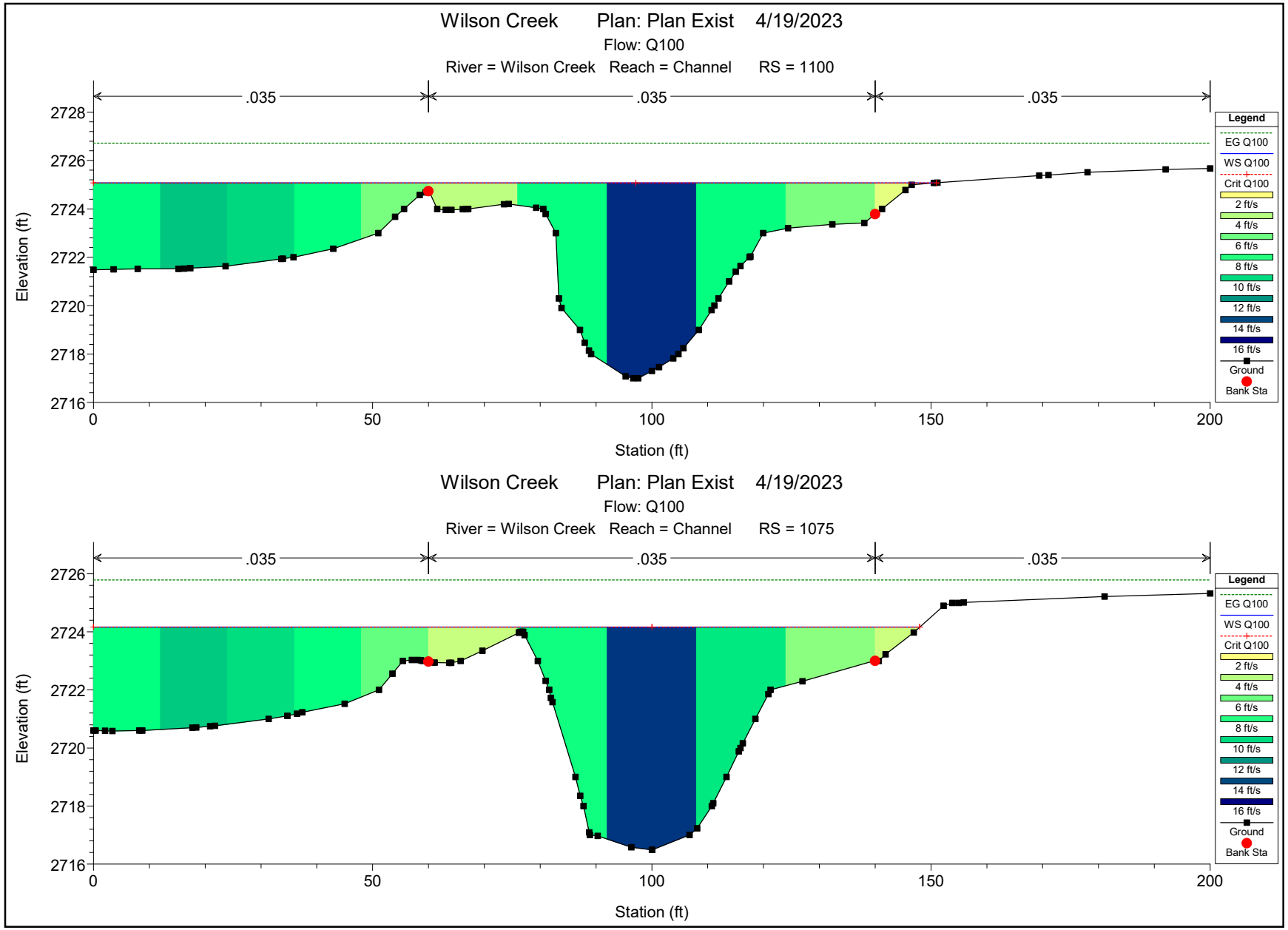
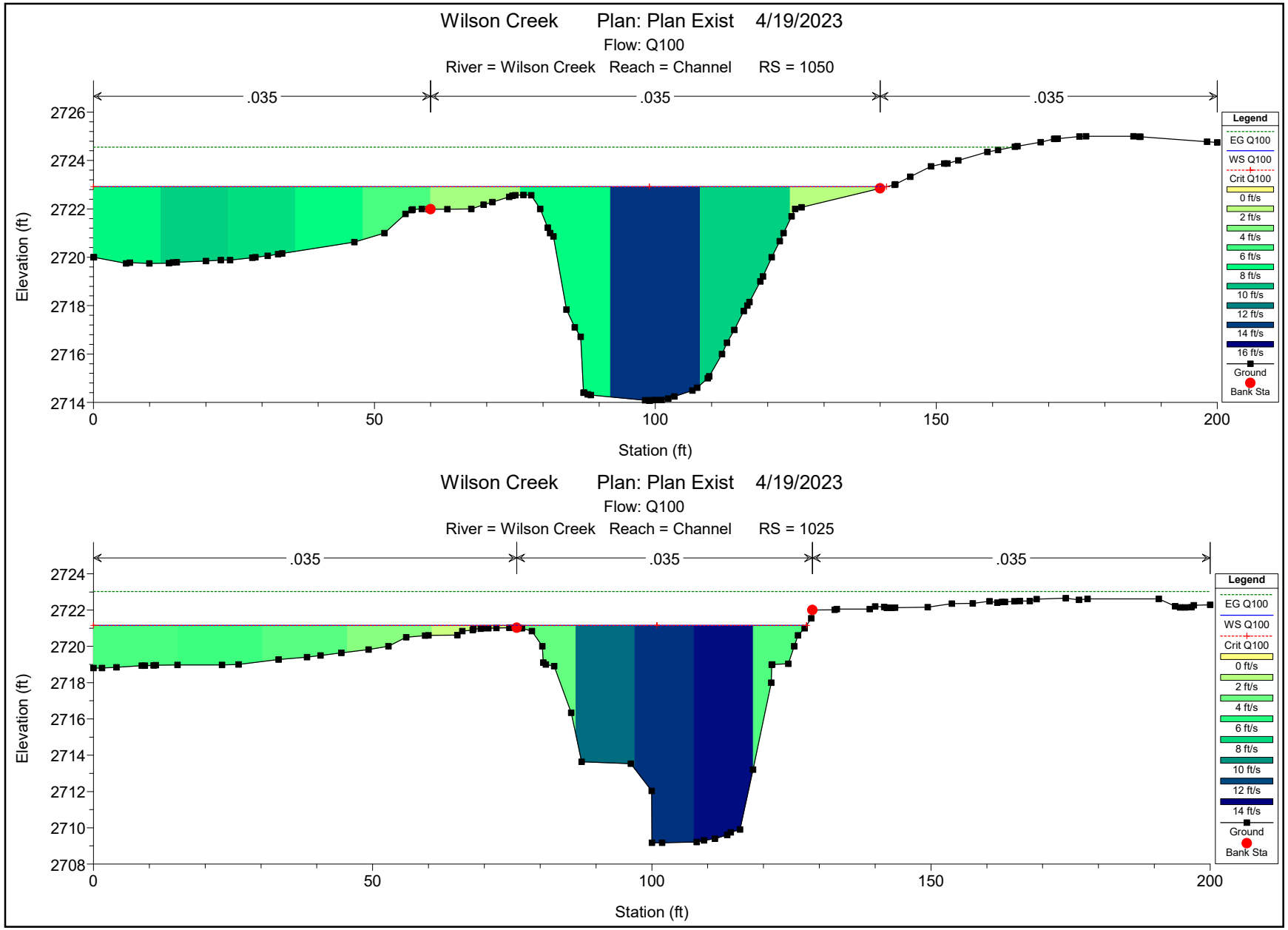
.035
.035
Elevation (ft)
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
0 ft/s
1 ft/s
2 ft/s
3 ft/s
4 ft/s
Ground
Bank Sta
Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 1125
.035
.035
.0001
Elevation (ft)
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
0 ft/s
5 ft/s
10 ft/s
15 ft/s
20 ft/s
25 ft/s
30 ft/s
Ground
Bank Sta


Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 1100
.035
.035
.035
Elevation (ft)
2728
2726
2724
2722
2720
2718
2716
0
50
100
150
200
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
2 ft/s
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
16 ft/s
Ground
Bank Sta
Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 1075
.035
.035
.035
Elevation (ft)
2726
2724
2722
2720
2718
2716
0
50
100
150
200
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
2 ft/s
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
16 ft/s
Ground
Bank Sta


Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 1050
.035
.035
.035
Elevation (ft)
2726
2724
2722
2720
2718
2716
2714
0
50
100
150
200
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
0 ft/s
2 ft/s
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
16 ft/s
Ground
Bank Sta
Wilson Creek Plan: Plan Exist 4/19/2023
Flow: Q100
River = Wilson Creek Reach = Channel RS = 1025
.035
.035
.035
Elevation (ft)
2724
2722
2720
2718
2716
2714
2712
2710
2708
0
50
100
150
200
Station (ft)
Legend
EG Q100
WS Q100
Crit Q100
0 ft/s
2 ft/s
4 ft/s
6 ft/s
8 ft/s
10 ft/s
12 ft/s
14 ft/s
Ground
Bank Sta

Appendix

H

REFERENCE

- NOAA Precipitation
- NRCS Web Soils Survey

NOAA Atlas 14, Volume 6, Version 2
Location name: Yucaipa, California, USA*
Latitude: 34.0494°, Longitude: -117.036°
Elevation: m/ft**
* source: ESRI Maps
** source: USGS

POINT PRECIPITATION FREQUENCY ESTIMATES

Sanja Perica, Sarah Dietz, Sarah Heim, Lillian Hiner, Kazungu Maitaria, Deborah Martin, Sandra Pavlovic, Ishani Roy, Carl Trypaluk, Dale Unruh, Fenglin Yan, Michael Yekta, Tan Zhao, Geoffrey Bonnin, Daniel Brewer, Li-Chuan Chen, Tye Parzybok, John Yarchoan

NOAA, National Weather Service, Silver Spring, Maryland

PF_tabular | PF_graphical | Maps_&_aerials

PF tabular

PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches)[1]

Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	0.125 (0.104-0.152)	0.160 (0.133-0.195)	0.208 (0.173-0.254)	0.249 (0.205-0.306)	0.307 (0.244-0.390)	0.354 (0.275-0.459)	0.403 (0.306-0.537)	0.457 (0.336-0.626)	0.533 (0.377-0.763)	0.597 (0.407-0.884)
10-min	0.180 (0.150-0.218)	0.230 (0.191-0.280)	0.299 (0.247-0.364)	0.357 (0.293-0.439)	0.440 (0.349-0.559)	0.507 (0.394-0.659)	0.578 (0.438-0.770)	0.655 (0.482-0.897)	0.765 (0.540-1.09)	0.855 (0.583-1.27)
15-min	0.217 (0.181-0.264)	0.278 (0.231-0.338)	0.361 (0.299-0.440)	0.432 (0.355-0.531)	0.532 (0.422-0.677)	0.613 (0.476-0.796)	0.699 (0.530-0.931)	0.792 (0.583-1.09)	0.925 (0.653-1.32)	1.03 (0.705-1.53)
30-min	0.320 (0.266-0.389)	0.410 (0.341-0.498)	0.532 (0.441-0.649)	0.636 (0.522-0.782)	0.784 (0.622-0.997)	0.903 (0.702-1.17)	1.03 (0.781-1.37)	1.17 (0.859-1.60)	1.36 (0.962-1.95)	1.52 (1.04-2.26)
60-min	0.463 (0.385-0.562)	0.592 (0.492-0.720)	0.769 (0.637-0.937)	0.918 (0.754-1.13)	1.13 (0.899-1.44)	1.30 (1.01-1.70)	1.49 (1.13-1.98)	1.68 (1.24-2.31)	1.97 (1.39-2.82)	2.20 (1.50-3.26)
2-hr	0.659 (0.548-0.800)	0.841 (0.698-1.02)	1.09 (0.899-1.32)	1.29 (1.06-1.59)	1.58 (1.25-2.01)	1.81 (1.41-2.35)	2.05 (1.55-2.73)	2.30 (1.70-3.15)	2.66 (1.88-3.80)	2.94 (2.01-4.36)
3-hr	0.819 (0.681-0.994)	1.04 (0.866-1.27)	1.34 (1.11-1.64)	1.59 (1.31-1.96)	1.94 (1.54-2.47)	2.22 (1.72-2.88)	2.50 (1.90-3.34)	2.81 (2.07-3.85)	3.23 (2.28-4.62)	3.57 (2.43-5.29)
6-hr	1.20 (0.996-1.45)	1.52 (1.26-1.85)	1.96 (1.62-2.38)	2.32 (1.90-2.85)	2.81 (2.23-3.58)	3.21 (2.49-4.17)	3.61 (2.74-4.81)	4.03 (2.97-5.53)	4.62 (3.26-6.61)	5.09 (3.47-7.54)
12-hr	1.66 (1.38-2.02)	2.12 (1.76-2.58)	2.74 (2.27-3.34)	3.25 (2.67-3.99)	3.95 (3.14-5.02)	4.50 (3.50-5.85)	5.07 (3.84-6.75)	5.66 (4.17-7.76)	6.48 (4.58-9.27)	7.13 (4.86-10.6)
24-hr	2.27 (2.01-2.61)	2.93 (2.59-3.38)	3.81 (3.36-4.41)	4.55 (3.98-5.30)	5.56 (4.71-6.70)	6.36 (5.27-7.81)	7.18 (5.82-9.04)	8.04 (6.34-10.4)	9.24 (6.99-12.5)	10.2 (7.46-14.2)
2-day	2.83 (2.51-3.26)	3.72 (3.29-4.29)	4.92 (4.34-5.69)	5.94 (5.20-6.93)	7.38 (6.25-8.89)	8.54 (7.09-10.5)	9.76 (7.91-12.3)	11.1 (8.73-14.3)	12.9 (9.78-17.4)	14.4 (10.6-20.1)
3-day	3.07 (2.72-3.54)	4.08 (3.61-4.71)	5.49 (4.84-6.35)	6.70 (5.86-7.81)	8.45 (7.16-10.2)	9.88 (8.20-12.1)	11.4 (9.25-14.4)	13.1 (10.3-16.9)	15.5 (11.7-20.9)	17.5 (12.8-24.4)
4-day	3.34 (2.95-3.84)	4.46 (3.95-5.15)	6.04 (5.33-6.99)	7.40 (6.48-8.63)	9.39 (7.95-11.3)	11.0 (9.15-13.5)	12.8 (10.4-16.1)	14.7 (11.6-19.0)	17.5 (13.2-23.6)	19.8 (14.5-27.6)
7-day	3.86 (3.42-4.45)	5.16 (4.56-5.95)	6.96 (6.14-8.05)	8.51 (7.45-9.92)	10.7 (9.10-12.9)	12.6 (10.4-15.5)	14.5 (11.8-18.3)	16.6 (13.1-21.5)	19.7 (14.9-26.5)	22.2 (16.3-31.0)
10-day	4.23 (3.74-4.87)	5.65 (5.00-6.52)	7.61 (6.72-8.81)	9.29 (8.13-10.8)	11.7 (9.91-14.1)	13.7 (11.3-16.8)	15.8 (12.8-19.8)	18.0 (14.2-23.3)	21.2 (16.1-28.6)	23.9 (17.5-33.3)
20-day	5.22 (4.62-6.02)	7.00 (6.19-8.08)	9.45 (8.33-10.9)	11.5 (10.1-13.4)	14.5 (12.3-17.5)	16.9 (14.0-20.8)	19.4 (15.7-24.4)	22.1 (17.5-28.7)	26.0 (19.7-35.1)	29.2 (21.4-40.7)
30-day	6.15 (5.44-7.08)	8.26 (7.31-9.53)	11.2 (9.84-12.9)	13.6 (11.9-15.9)	17.1 (14.5-20.6)	19.9 (16.5-24.5)	22.9 (18.6-28.8)	26.1 (20.6-33.8)	30.7 (23.2-41.3)	34.4 (25.2-48.0)
45-day	7.39 (6.54-8.51)	9.92 (8.77-11.4)	13.4 (11.8-15.5)	16.3 (14.3-19.0)	20.5 (17.3-24.7)	23.8 (19.8-29.3)	27.4 (22.2-34.5)	31.2 (24.6-40.3)	36.6 (27.7-49.3)	41.0 (30.0-57.2)
60-day	8.59 (7.61-9.90)	11.5 (10.2-13.3)	15.5 (13.6-17.9)	18.8 (16.5-21.9)	23.6 (20.0-28.4)	27.4 (22.8-33.7)	31.5 (25.5-39.6)	35.8 (28.2-46.4)	42.0 (31.8-56.6)	47.1 (34.4-65.6)

[1] Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

Please refer to NOAA Atlas 14 document for more information.

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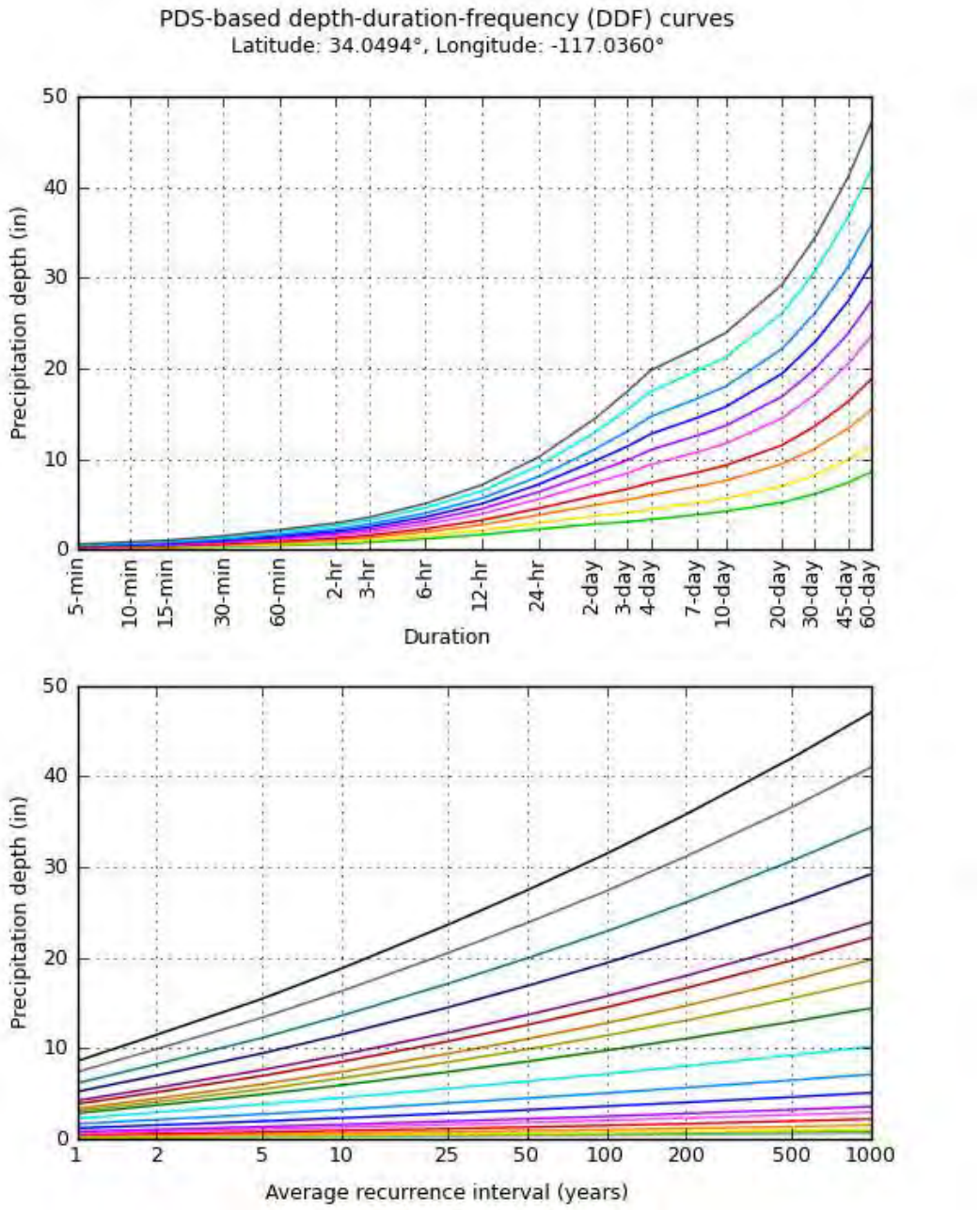
PF graphical



NOAA Atlas 14, Volume 6, Version 2

Created (GMT): Mon Apr 3 22:34:19 2023

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Maps & aerials

Small scale terrain



Large scale terrain



Large scale map



Large scale aerial



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US Department of Commerce
National Oceanic and Atmospheric Administration
National Weather Service
National Water Center
1325 East West Highway
Silver Spring, MD 20910
Questions?: HDSC.Questions@noaa.gov

Disclaimer


117° 2' 23" W
117° 2' 0" W
34° 3' 5" N
34° 2' 53" N
496350
496410
496470
496530
496590
496650
496710
496770
496830
496890
3767870
3767810
3767750
3767690
3767630
3767570
3767510
Ps
TuB
Wilson Creek
Bryant St
Bryant
Oak Glen
Soil Map may not be valid at this scale.
Map Scale: 1:2,600 if printed on A landscape (11" x 8.5") sheet.
N
Meters
0 35 70 140 210
Feet
0 100 200 400 600
Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 11N WGS84

MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Rating Polygons

A

A/D

B

B/D

C

C/D

D

Not rated or not available

Soil Rating Lines

A

A/D

B

B/D

C

C/D

D

Not rated or not available

Soil Rating Points

A

A/D

B

B/D

C

C/D

D

Not rated or not available

Water Features

Streams and Canals

Transportation

Rails

Interstate Highways

US Routes

Major Roads

Local Roads

Background

Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: San Bernardino County Southwestern Part, California
Survey Area Data: Version 14, Sep 6, 2022

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Mar 17, 2022—Jun 12, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Hydrologic Soil Group

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
Ps	Psamments, Fluvents and Frequently flooded soils	A	2.8	15.4%
TuB	Tujunga loamy sand, 0 to 5 percent slopes	A	15.3	84.6%
Totals for Area of Interest			**18.1**	**100.0%**

Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

Rating Options

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher

Appendix

J

FEMA FIRM PANEL & DRAINAGE MASTER PLAN INFORMATION

- FEMA FIRM MAP_ 0671C8745H
- FEMA ON-LINE MAP
- The City of Yucaipa Drainage Master Plan

Federal Emergency Management Agency

Washington, D.C. 20472

LETTER OF MAP REVISION DETERMINATION DOCUMENT

COMMUNITY AND REVISION INFORMATION		PROJECT DESCRIPTION	BASIS OF REQUEST
COMMUNITY	City of Yucaipa San Bernardino County California	CHANNELIZATION CULVERT FILL	1D HYDRAULIC ANALYSIS 2D HYDRAULIC ANALYSIS BASE MAP CHANGES HYDROLOGIC ANALYSIS UPDATED TOPOGRAPHIC DATA
	COMMUNITY NO.: 060739		
IDENTIFIER	Wilson Creek Lamp LOMR	APPROXIMATE LATITUDE & LONGITUDE: 34.044, -117.044 SOURCE: USGS QUADRANGLE DATUM: NAD 83	

ANNOTATED MAPPING ENCLOSURES	ANNOTATED STUDY ENCLOSURES
TYPE: FIRM* NO.: 06071C8745H DATE: August 28, 2008	DATE OF EFFECTIVE FLOOD INSURANCE STUDY: September 2, 2016 NEW PROFILE(S): 223P(a), 223P(b), 223P(c), 223(d), 223P(e), 223P(f) and 283P FLOODWAY DATA TABLE: 11 SUMMARY OF DISCHARGES TABLE: 7

Enclosures reflect changes to flooding sources affected by this revision.
* FIRM - Flood Insurance Rate Map

FLOODING SOURCE(S) & REVISED REACH(ES) See Page 2 for Additional Flooding Sources

Wilson Creek - From approximately 640 feet upstream of Fremont Street to approximately 3,180 feet downstream of the confluence with Oak Glen Creek.

SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Wilson Creek	No BFEs*	BFEs	YES	NONE
	Zone A	Zone AE	YES	NONE
	Zone A	Zone X (unshaded)	NONE	YES
	Zone A	Zone A	NONE	YES
	Zone X (shaded)	Zone X (shaded)	YES	YES

* BFEs - Base Flood Elevations

DETERMINATION

This document provides the determination from the Department of Homeland Security's Federal Emergency Management Agency (FEMA) regarding a request for a Letter of Map Revision (LOMR) for the area described above. Using the information submitted, we have determined that a revision to the flood hazards depicted in the Flood Insurance Study (FIS) report and/or National Flood Insurance Program (NFIP) map is warranted. This document revises the effective NFIP map, as indicated in the attached documentation. Please use the enclosed annotated map panels revised by this LOMR for floodplain management purposes and for all flood insurance policies and renewals in your community.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Mapping and Insurance eXchange (FMIX), toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at https://www.fema.gov/flood-insurance.

Patrick "Rick" F. Sacbibit, P.E., Branch Chief
Engineering Services Branch
Federal Insurance and Mitigation Administration

Federal Emergency Management Agency
Washington, D.C. 20472

LETTER OF MAP REVISION
DETERMINATION DOCUMENT (CONTINUED)

OTHER FLOODING SOURCES AFFECTED BY THIS REVISION

FLOODING SOURCE(S) & REVISED REACH(ES)

Oak Glen Creek - From confluence with Wilson Creek to approximately 900 feet upstream of the confluence.

SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Oak Glen Creek	No BFEs*	BFEs	YES	NONE
	Zone A	Zone X (unshaded)	NONE	YES
	Zone X (shaded)	Zone AE	YES	NONE
	Zone A	Zone AE	YES	NONE
	Zone A	Zone A	NONE	YES

* BFEs - Base Flood Elevations

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Mapping and Insurance eXchange (FMIX), toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at https://www.fema.gov/flood-insurance.

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Federal Insurance and Mitigation Administration

Federal Emergency Management Agency
Washington, D.C. 20472

LETTER OF MAP REVISION
DETERMINATION DOCUMENT (CONTINUED)

COMMUNITY INFORMATION

APPLICABLE NFIP REGULATIONS/COMMUNITY OBLIGATION

We have made this determination pursuant to Section 206 of the Flood Disaster Protection Act of 1973 (P.L. 93-234) and in accordance with the National Flood Insurance Act of 1968, as amended (Title XIII of the Housing and Urban Development Act of 1968, P.L. 90-448), 42 U.S.C. 4001-4128, and 44 CFR Part 65. Pursuant to Section 1361 of the National Flood Insurance Act of 1968, as amended, communities participating in the NFIP are required to adopt and enforce floodplain management regulations that meet or exceed NFIP criteria. These criteria, including adoption of the FIS report and FIRM, and the modifications made by this LOMR, are the minimum requirements for continued NFIP participation and do not supersede more stringent State/Commonwealth or local requirements to which the regulations apply.

NFIP regulations Subparagraph 60.3(b)(7) requires communities to ensure that the flood-carrying capacity within the altered or relocated portion of any watercourse is maintained. This provision is incorporated into your community's existing floodplain management ordinances; therefore, responsibility for maintenance of the altered or relocated watercourse, including any related appurtenances such as bridges, culverts, and other drainage structures, rests with your community. We may request that your community submit a description and schedule of maintenance activities necessary to ensure this requirement.

COMMUNITY REMINDERS

We based this determination on the 1-percent-annual-chance discharges computed in the submitted hydrologic model. Future development of projects upstream could cause increased discharges, which could cause increased flood hazards. A comprehensive restudy of your community's flood hazards would consider the cumulative effects of development on discharges and could, therefore, indicate that greater flood hazards exist in this area.

Your community must regulate all proposed floodplain development and ensure that permits required by Federal and/or State/Commonwealth law have been obtained. State/Commonwealth or community officials, based on knowledge of local conditions and in the interest of safety, may set higher standards for construction or may limit development in floodplain areas. If your State/Commonwealth or community has adopted more restrictive or comprehensive floodplain management criteria, those criteria take precedence over the minimum NFIP requirements.

We will not print and distribute this LOMR to primary users, such as local insurance agents or mortgage lenders; instead, the community will serve as a repository for the new data. We encourage you to disseminate the information in this LOMR by preparing a news release for publication in your community's newspaper that describes the revision and explains how your community will provide the data and help interpret the NFIP maps. In that way, interested persons, such as property owners, insurance agents, and mortgage lenders, can benefit from the information.

This revision has met our criteria for removing an area from the 1-percent-annual-chance floodplain to reflect the placement of fill. However, we encourage you to require that the lowest adjacent grade and lowest floor (including basement) of any structure placed within the subject area be elevated to or above the Base (1-percent-annual-chance) Flood Elevation.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Mapping and Insurance eXchange (FMIX), toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at https://www.fema.gov/flood-insurance.

Patrick "Rick" F. Sacbibit, P.E., Branch Chief
Engineering Services Branch
Federal Insurance and Mitigation Administration

Federal Emergency Management Agency
Washington, D.C. 20472

LETTER OF MAP REVISION
DETERMINATION DOCUMENT (CONTINUED)

We have designated a Consultation Coordination Officer (CCO) to assist your community. The CCO will be the primary liaison between your community and FEMA. For information regarding your CCO, please contact:

Kathryn Lipiecki
Director, Mitigation Division
Federal Emergency Management Agency, Region IX
1111 Broadway, Suite 1200
Oakland, CA 94607-4052
(510) 627-7211

STATUS OF THE COMMUNITY NFIP MAPS

We will not physically revise and republish the FIRM and FIS report for your community to reflect the modifications made by this LOMR at this time. When changes to the previously cited FIRM panel(s) and FIS report warrant physical revision and republication in the future, we will incorporate the modifications made by this LOMR at that time.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Mapping and Insurance eXchange (FMIX), toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at https://www.fema.gov/flood-insurance.

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Engineering Services Branch
Federal Insurance and Mitigation Administration

Federal Emergency Management Agency
Washington, D.C. 20472

LETTER OF MAP REVISION
DETERMINATION DOCUMENT (CONTINUED)

PUBLIC NOTIFICATION OF REVISION

A notice of changes will be published in the *Federal Register*. This information also will be published in your local newspaper on or about the dates listed below, and through FEMA's Flood Hazard Mapping website at https://www.floodmaps.fema.gov/fhm/bfe_status/bfe_main.asp

LOCAL NEWSPAPER

Name: *Yucaipa/Calimesa News Mirror*
Dates: May 5, 2023 and May 12, 2023

Within 90 days of the second publication in the local newspaper, any interested party may request that we reconsider this determination. Any request for reconsideration must be based on scientific or technical data. Therefore, this letter will be effective only after the 90-day appeal period has elapsed and we have resolved any appeals that we receive during this appeal period. Until this LOMR is effective, the revised flood hazard determination presented in this LOMR may be changed.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Mapping and Insurance eXchange (FMIX), toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at https://www.fema.gov/flood-insurance.

Patrick "Rick" F. Sacbibit, P.E., Branch Chief
Engineering Services Branch
Federal Insurance and Mitigation Administration

TABLE 7 - SUMMARY OF DISCHARGES (continued)

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs) 10-PERCENT	2-PERCENT	1-PERCENT	0.2-PERCENT
OAK GLEN CREEK (Approximate Study)					
At Jefferson Street	6.2	500	1,700	2,400	5,900
Upstream Limit of Study	4.4	380	1,300	1,800	4,300
Downstream of Bryant Street	6.9	*	*	3,973	*
OLD SAN SEVAINE CHANNEL					
At San Bernardino-Riverside County Line	40.6	1,600	4,800	7,800	17,000
At Foothill Boulevard	29.6	1,600	4,800	8,530	17,000
ONTARIO MOTOR SPEEDWAY DRAIN					
Approximately 8,000 feet downstream of Southern Pacific Railroad	3.9	290	840	1,300	3,200
Downstream of Southern Pacific Railroad	2.8	250	360	600	1,500
At Southern Pacific Railroad	2.8	250	880	1,500	3,700
Downstream of San Bernardino Freeway	2.5	200	770	1,200	1,200
At San Bernardino Freeway	2.5	200	770	1,400	3,400
PINYON CREEK					
--[1]	2.5	150	550	950	2,550
--[1]	0.8	75	275	340	800
QUAIL WASH					
Upstream of confluence with Joshua Tree Creek	105.3	4,500	14,000	18,000	35,000
Upstream Limit of Detailed Study	104.0	4,500	14,000	18,000	35,000
RATHBUN CREEK					
At Big Bear Lake	6.37	*	*	11,000	*
At State Route 18 (Big Bear Boulevard)	6.02	*	*	10,800	*
At Moonridge Road	3.34	*	*	7,200	*
At Lassen Drive	0.82	*	*	1,200	*

REVISED DATA

*Data not available

[1]Because values were taken from frequency/discharge curves, no specific location information has been determined

REVISED TO
REFLECT LOMR
EFFECTIVE: September 11, 2023

TABLE 7 - SUMMARY OF DISCHARGES (continued)

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs) 10-PERCENT	2-PERCENT	1-PERCENT	0.2-PERCENT
WEST FONTANA CHANNEL					
At Cherry Avenue	12.6	*	*	8,580	*
At Beech Avenue	7.4	*	*	6,120	*
At Citrus Avenue	4.1	*	*	3,990	*
At Oleander Avenue	2.6	*	*	2,460	*
WILDWOOD CHANNEL					
--[1]	8.5	400	2,200	4,000	10,500
--[1]	7.4	250	1,800	3,000	7,500
YERMO FLOOD CHANNEL					
--[1]	24.0	900	3,400	5,900	16,000
YUCAIPA CREEK					
--[1]	3.1	400	9,900	1,490	3,200
--[1]	1.2	200	490	700	1,500
YUCCA CREEK					
Upstream of confluence with Coyote Creek Wash	174.0	5,500	22,000	30,000	75,000
Upstream of confluence with Joshua Tree Creek	61.1	2,100	9,800	15,000	45,000
Downstream of Sunburst Road	59.9	1,800	9,800	12,600	43,000
Upstream of Sunset Road	59.4	1,800	9,800	12,600	42,000
Downstream of Cemetery Creek	56.1	1,800	9,500	12,000	40,700
Upstream of Cemetery Creek	53.6	1,700	8,500	11,000	39,000
Downstream of Covington Creek	50.3	1,400	8,500	10,000	37,000
Downstream of Avalon Road Extension	31.6	1,400	5,800	9,600	26,000
	2.0	100	500	1,000	2,400
WILSON CREEK					
Downstream of Fremont Street	4.7	*	*	4,259	*
At confluence with Oak Glen Creek	11.7	*	*	7,390	*

*Data not available

[1]Because these values were taken from frequency/discharge curves, no specific location information has been determined

REVISED DATA

REVISED TO REFLECT LOMR EFFECTIVE: September 11, 2023

FLOODING SOURCE		FLOODWAY			1-PERCENT-ANNUAL-CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD 88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
WILSON CREEK								
AQ	10,435	77	501	14.5	2221.5	2221.5	2221.5	0.0
AR	10,754	102	553	13.2	2230.8	2230.8	2230.8	0.0
AS	10,845	86	522	14.0	2232.5	2232.5	2232.5	0.0
AT	10,900	59	460	15.9	2235.1	2235.1	2235.1	0.0
AU	10,977	57	455	16.1	2237.4	2237.4	2237.4	0.0
AV	11,035	36	390	18.7	2239.8	2239.8	2239.8	0.0
AW	11,234	36	495	14.8	2246.7	2246.7	2246.7	0.0
AX	11,322	30	367	19.9	2246.8	2246.8	2246.8	0.0
AY	11,659	30	367	19.9	2257.9	2257.9	2257.9	0.0
AZ	11,912	30	367	19.9	2266.3	2266.3	2266.3	0.0
BA-BJ [2]								

Revised by LOMR Effective: April 4, 2014

Revised Data

[1] Feet Above Limit of Detailed Study* [2] Floodway Not Determined

*The Limit of Detailed Study for Waterman Canyon is located 1,954 feet upstream of Old Waterman Canyon Road

*The Limit of Detailed Study for Wilson Creek is located 710 feet downstream of Frontage road

REVISED TO REFLECT LOMR EFFECTIVE: September 11, 2023

TABLE 11

FEDERAL EMERGENCY MANAGEMENT AGENCY

SAN BERNARDINO COUNTY, CA

AND INCORPORATED AREAS

FLOODWAY DATA

WATERMAN CANYON - WILSON CREEK



FLOOD PROFILES

REVISED TO REFLECT LOMR EFFECTIVE: September 11, 2023

WILLSON CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SAN BERNARDINO COUNTY, CA

AND INCORPORATED AREAS

223P(a)



**LIMIT OF DETAILED STUDY IS LOCATED APPROXIMATELY 710 FEET DOWNSTREAM OF FRONTAGE ROAD

*DATA NOT AVAILABLE

FLOOD PROFILES

REVISED TO REFLECT LOMR EFFECTIVE: September 11, 2023

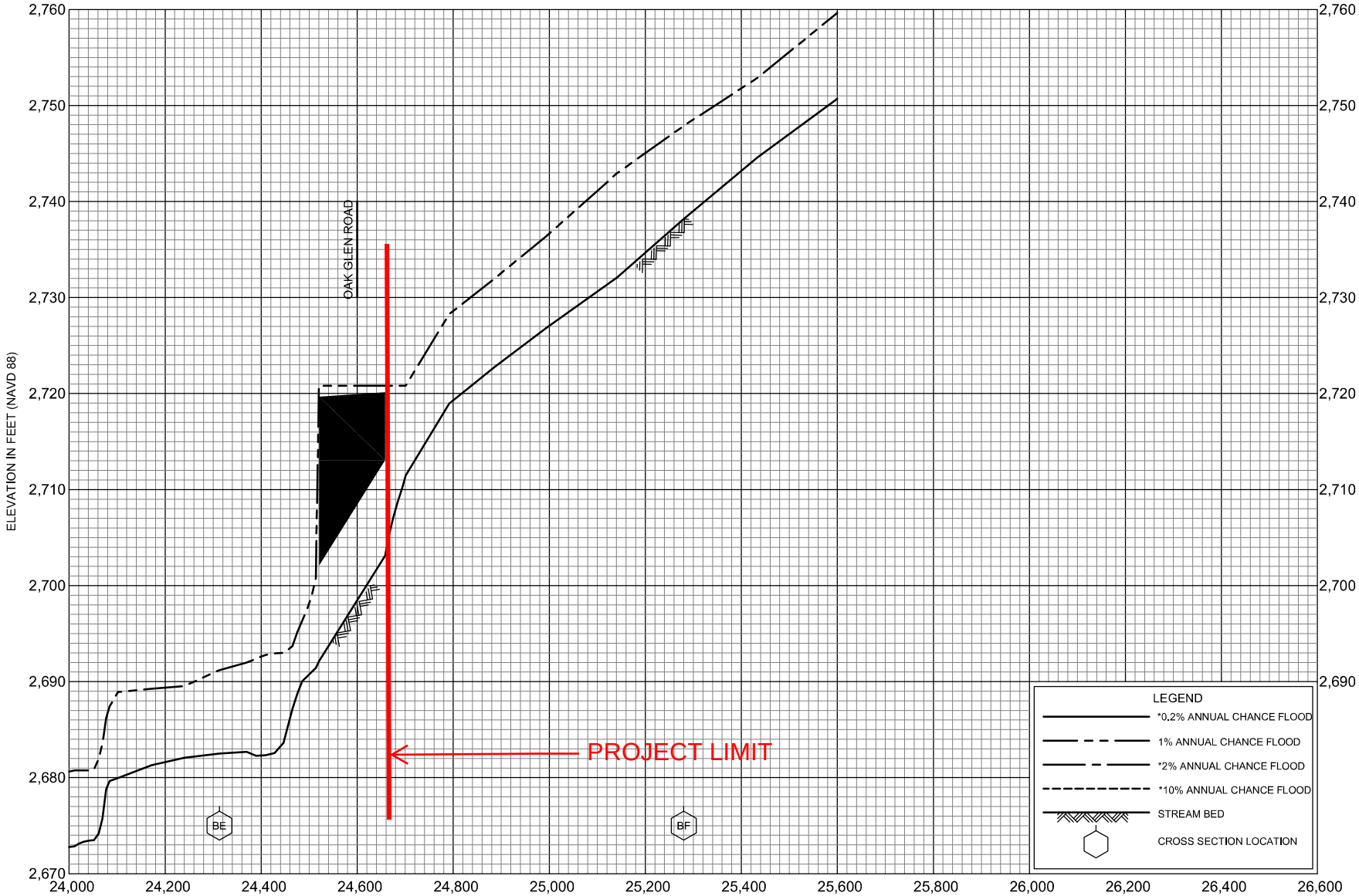
WILSON CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SAN BERNARDINO COUNTY, CA

AND INCORPORATED AREAS

223P(b)



FLOOD PROFILES

REVISED TO REFLECT LOMR EFFECTIVE: September 11, 2023

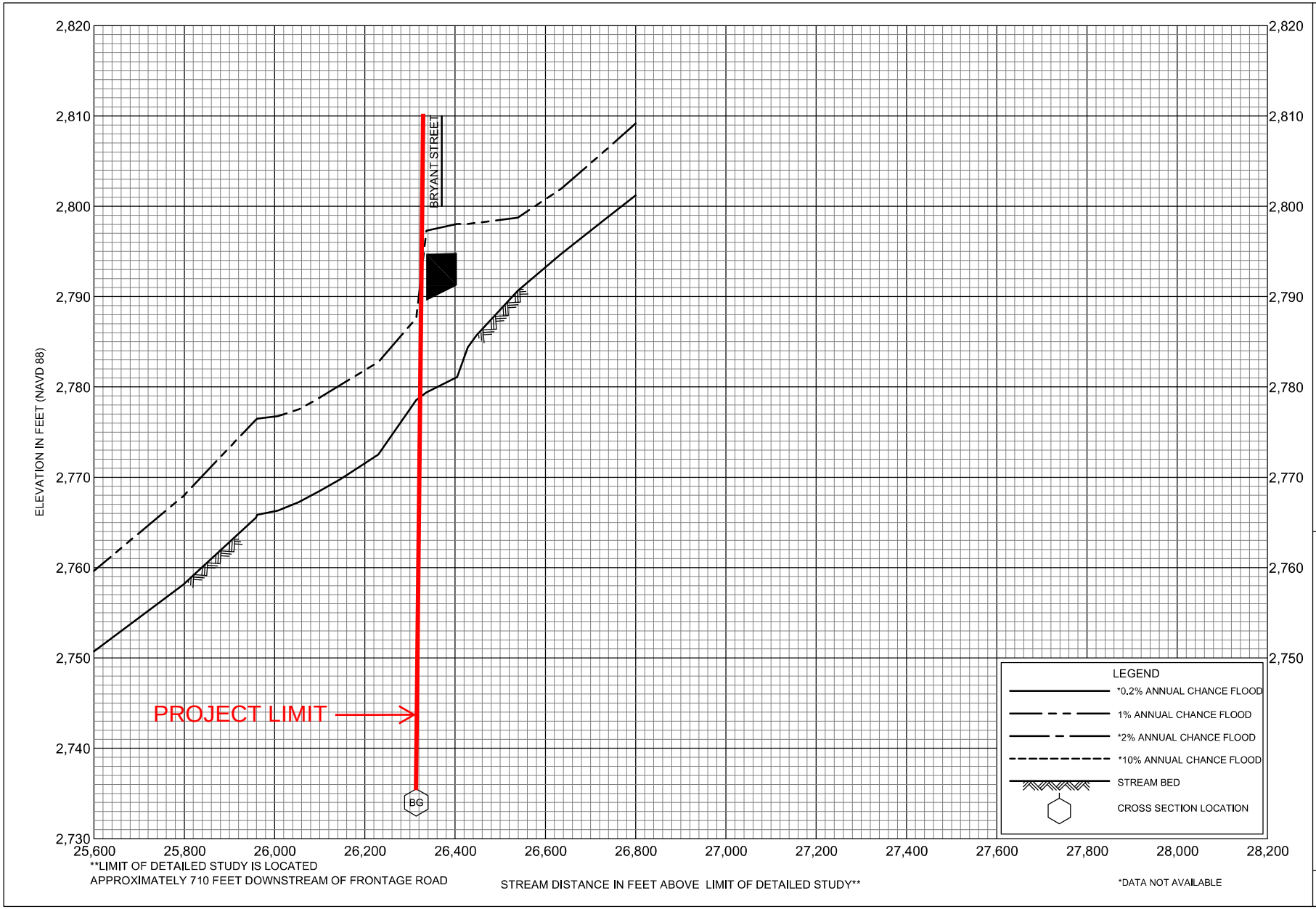
WILSON CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SAN BERNARDINO COUNTY, CA

AND INCORPORATED AREAS

223P(c)



FLOOD PROFILES

REVISED TO REFLECT LOMR EFFECTIVE: September 11, 2023

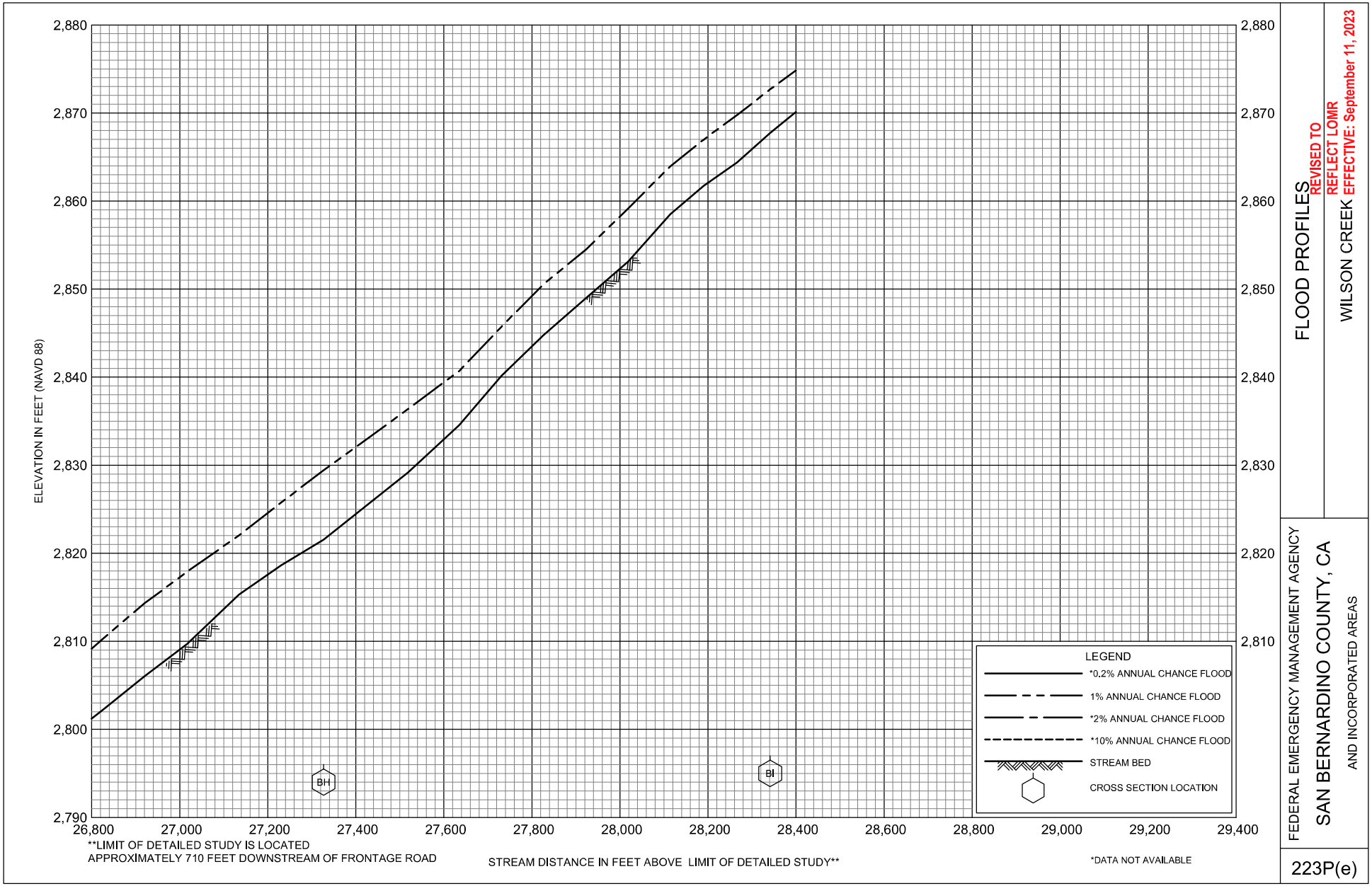
WILSON CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SAN BERNARDINO COUNTY, CA

AND INCORPORATED AREAS

223P(d)



FLOOD PROFILES

REVISED TO REFLECT LOMR EFFECTIVE: September 11, 2023

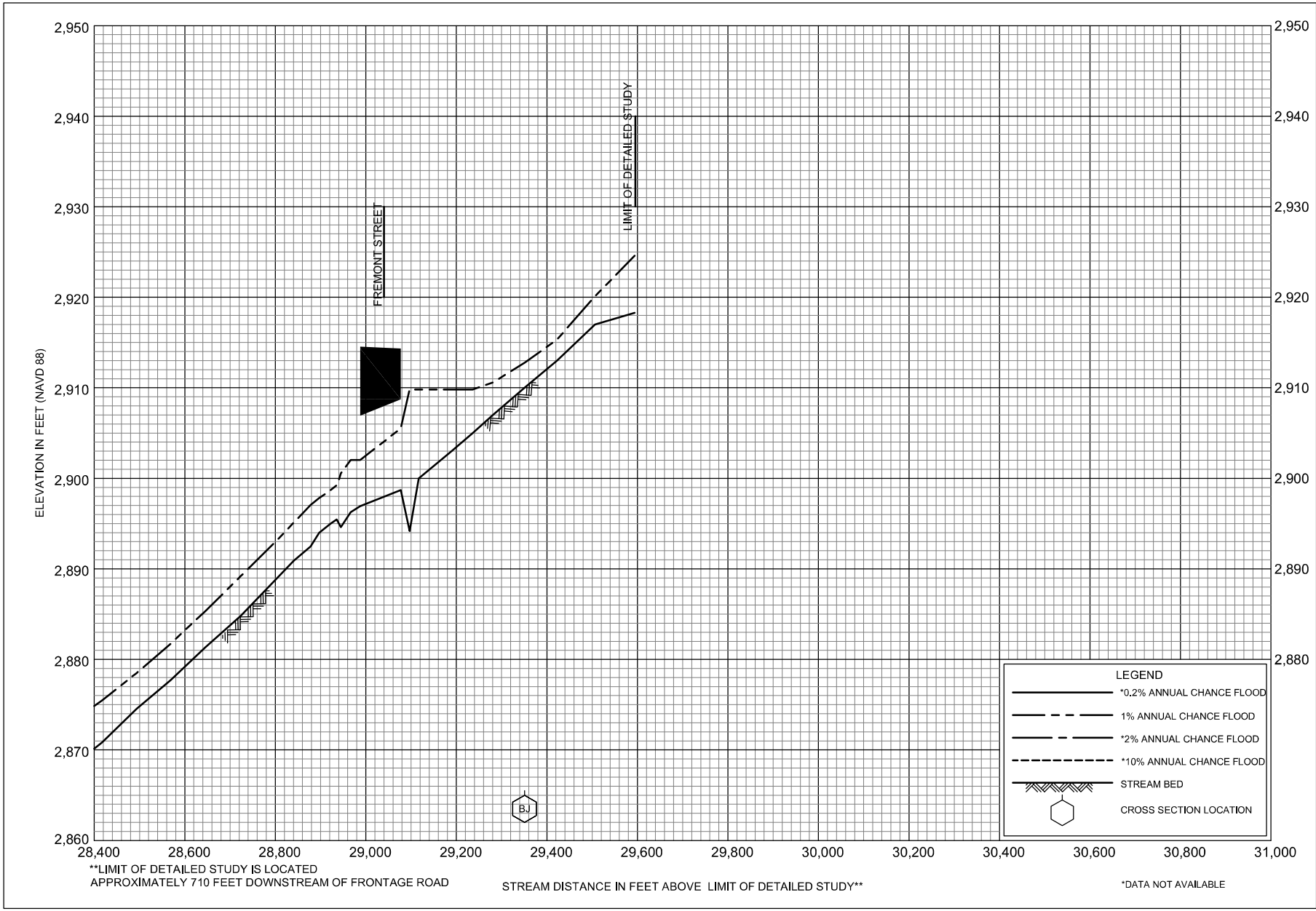
WILSON CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SAN BERNARDINO COUNTY, CA

AND INCORPORATED AREAS

223P(e)



FLOOD PROFILES

REVISED TO REFLECT LOMR EFFECTIVE: September 11, 2023

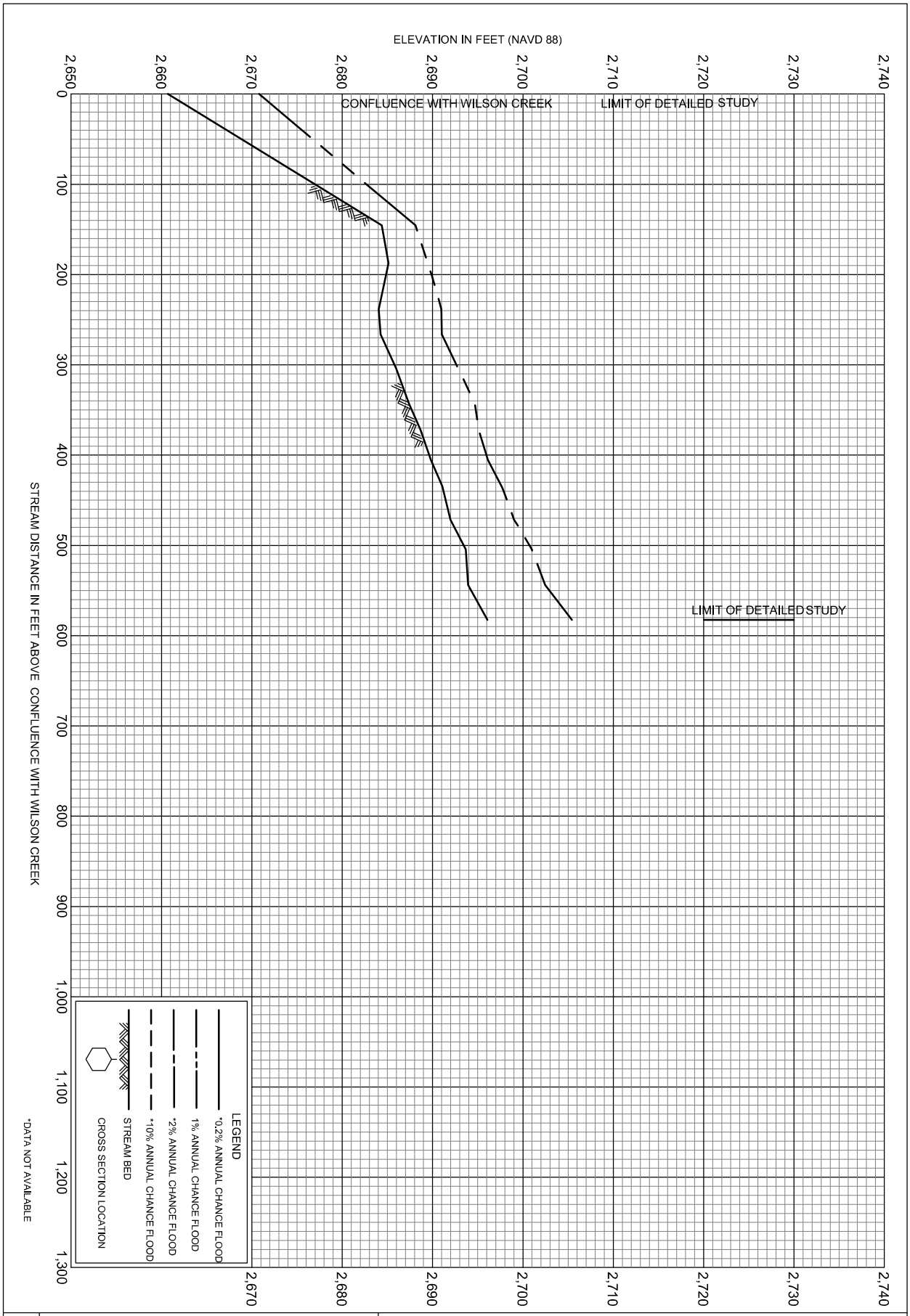
WILSON CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SAN BERNARDINO COUNTY, CA

AND INCORPORATED AREAS

223P(f)



283P

FEDERAL EMERGENCY MANAGEMENT AGENCY

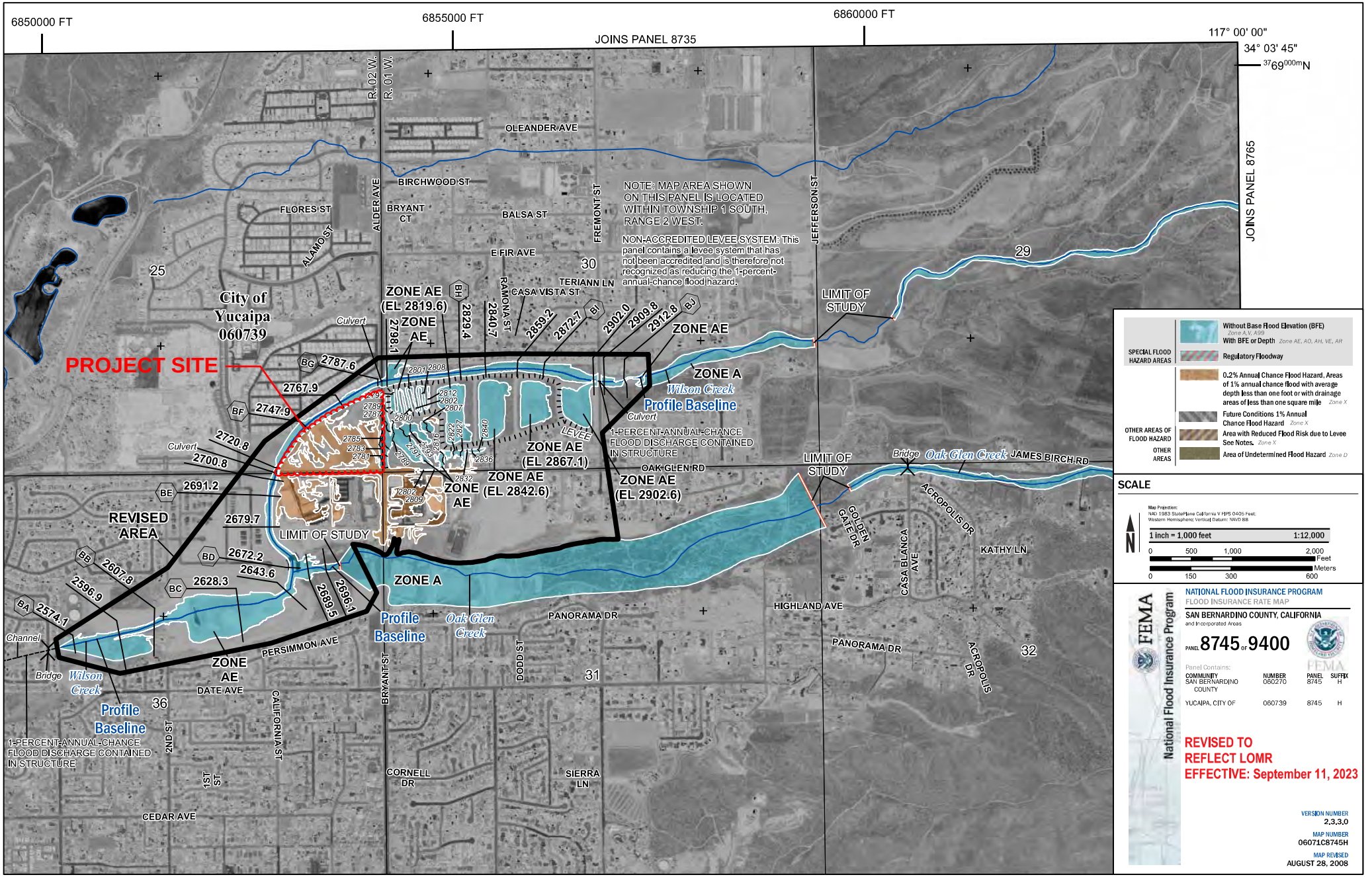
SAN BERNARDINO COUNTY, CA

AND INCORPORATED AREAS

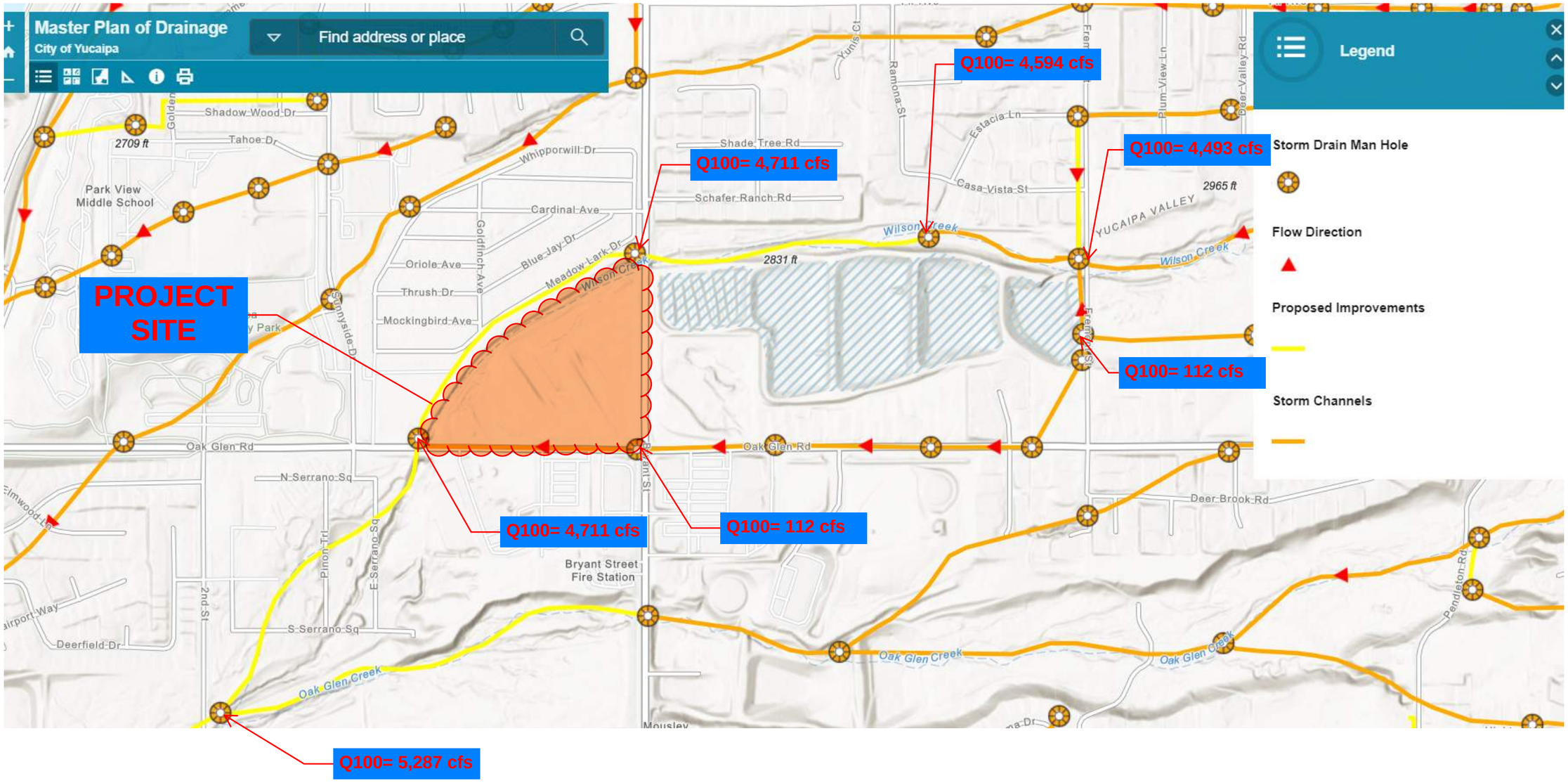
FLOOD PROFILES

OAK GLEN CREEK

REVISED TO
REFLECT LOMR
EFFECTIVE: September 11, 2023


6850000 FT
6855000 FT
6860000 FT
JOINS PANEL 8735
117° 00' 00"
34° 03' 45"
37 69 000m N
JOINS PANEL 8765
R. 02 W.
R. 01 W.
OLEANDER AVE
BIRCHWOOD ST
FLORES ST
ALAMO ST
ALDER AVE
BRYANT CT
BALSA ST
FREMONT ST
E FIR AVE
TERIANN LN
CASA VISTA ST
RAMONA ST
JEFFERSON ST
25
30
29
NOTE: MAP AREA SHOWN ON THIS PANEL IS LOCATED WITHIN TOWNSHIP 1 SOUTH, RANGE 2 WEST.
NON-ACCREDITED LEVEE SYSTEM: This panel contains a levee system that has not been accredited and is therefore not recognized as reducing the 1-percent-annual-chance flood hazard.
City of Yucaipa 060739
PROJECT SITE
ZONE AE (EL 2819.6)
ZONE AE
ZONE AE
LIMIT OF STUDY
Culvert
BG 2787.6
2767.9
BF 2747.9
2720.8
2700.8
BE 2691.2
2679.7
REVISED AREA
LIMIT OF STUDY
BB 2607.8
BD 2672.2
2643.6
BC 2628.3
2596.9
BA 2574.1
2689.5
2696.1
ZONE A
Wilson Creek
Profile Baseline
Culvert
1-PERCENT-ANNUAL-CHANCE FLOOD DISCHARGE CONTAINED IN STRUCTURE
ZONE AE (EL 2867.1)
ZONE AE (EL 2842.6)
ZONE AE (EL 2902.6)
LEVEE
OAK GLEN RD
LIMIT OF STUDY
Bridge
Oak Glen Creek
JAMES BIRCH RD
GOLDEN GATE DR
ACROPOLIS DR
KATHY LN
CASA BLANCA AVE
HIGHLAND AVE
PANORAMA DR
ACROPOLIS DR
32
31
36
Channel
Bridge
Wilson Creek
Profile Baseline
1-PERCENT-ANNUAL-CHANCE FLOOD DISCHARGE CONTAINED IN STRUCTURE
PERSIMMON AVE
DATE AVE
ZONE AE
BRYANT ST
DODD ST
CALIFORNIA ST
2ND ST
1ST ST
CEDAR AVE
CORNELL DR
SIERRA LN
Oak Glen Creek
PANORAMA DR
2902.0
2909.8
2912.8
2872.7
2859.2
2840.7
2829.4
2798.1
BH
BI
BJ
ZONE A
Wilson Creek
Profile Baseline
Culvert
1-PERCENT-ANNUAL-CHANCE FLOOD DISCHARGE CONTAINED IN STRUCTURE
LIMIT OF STUDY
SPECIAL FLOOD HAZARD AREAS
Without Base Flood Elevation (BFE) Zone A, V, A99
With BFE or Depth Zone AE, AO, AH, VE, AR
Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD
0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
Future Conditions 1% Annual Chance Flood Hazard Zone X
Area with Reduced Flood Risk due to Levee See Notes. Zone X
OTHER AREAS
Area of Undetermined Flood Hazard Zone D
SCALE
Map Projection: NAD 1983 StatePlane California V FIPS 0405 Feet; Western Hemisphere Vertical Datum: NAVD 88
1 inch = 1,000 feet 1:12,000
0 500 1,000 2,000 Feet
0 150 300 600 Meters
NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP
SAN BERNARDINO COUNTY, CALIFORNIA
and Incorporated Areas
PANEL 8745 OF 9400
Panel Contains:
COMMUNITY
SAN BERNARDINO COUNTY
NUMBER 060270
PANEL 8745
SUFFIX H
YUCAIPA, CITY OF
060739
8745
H
National Flood Insurance Program
FEMA
REVISED TO REFLECT LOMR EFFECTIVE: September 11, 2023
VERSION NUMBER
2.3.3.0
MAP NUMBER
06071C8745H
MAP REVISED
AUGUST 28, 2008

Master Drainage Plan
City of Yucaipa



K

HCOC ANALYSIS

(For Supporting WQMP of the Development)

- 2-Year, 24-Hours Storm Basin Routing Summary Table
- Pre-Development Condition 2-Year, 24-Hour Hydrograph
- Post-Development Condition 2-Year, 24-Hour Hydrograph

Basin Routing Comparison Table: (for HCOC)

Drainage Area (ac)	Storm Frequency	Duration (hours)	Pre-Peak Flow (cfs)	Post-Peak Flow (cfs)	Mitigated Peak Flow (cfs)	Decrease (cfs)	Percent Change	Pre-Volume (ac-ft)	Post-Volume (ac-ft)	Mitigated Volume (ac-ft)
17.45	2	24	9.18	12.84	9.06	-0.12	1.31%	0.27	2.42	2.42

FLOOD HYDROGRAPH ROUTING PROGRAM
Copyright (c) CIVILCADD/CIVILDESIGN, 1989 - 2018
Study date: 08/02/23

Basin Routing
Yucaipa 18-Development Project
2-Year, 24-hours Storm
For WQMP HCOC Analysis

Program License Serial Number 6481

********** HYDROGRAPH INFORMATION **********

From study/file name: UH222PHCOC.rte
**********HYDROGRAPH DATA**********
Number of intervals = 148
Time interval = 10.0 (Min.)
Maximum/Peak flow rate = 12.839 (CFS)
Total volume = 2.426 (Ac.Ft)
Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

++
Process from Point/Station 101.000 to Point/Station 102.000
**** RETARDING BASIN ROUTING ****
_____

User entry of depth-outflow-storage data

Total number of inflow hydrograph intervals = 148
Hydrograph time unit = 10.000 (Min.)
Initial depth in storage basin = 0.00(Ft.)

Initial basin depth = 0.00 (Ft.)
Initial basin storage = 0.00 (Ac.Ft)
Initial basin outflow = 0.00 (CFS)

Depth vs. Storage and Depth vs. Discharge data:

Basin Depth (Ft.)	Storage (Ac.Ft)	Outflow (CFS)	(S-O*dt/2) (Ac.Ft)	(S+O*dt/2) (Ac.Ft)
0.000	0.000	0.000	0.000	0.000
2.900	0.810	0.080	0.809	0.811
3.000	0.840	0.760	0.835	0.845
3.500	1.010	9.160	0.947	1.073
4.000	1.190	24.710	1.020	1.360
4.500	1.370	43.290	1.072	1.668
5.000	1.560	65.060	1.112	2.008

Hydrograph Detention Basin Routing

Graph values: 'I'= unit inflow; 'O'=outflow at time shown

Time (Hours)	Inflow (CFS)	Outflow (CFS)	Storage (Ac.Ft)	.0 3.2 6.42 9.63 12.84	Depth (Ft.)
0.167	0.06	0.00	0.000	O | | | |	0.00
0.333	0.33	0.00	0.003	O | | | |	0.01

0.500	0.52	0.00	0.009	OI				0.03
0.667	0.56	0.00	0.016	OI				0.06
0.833	0.57	0.00	0.024	OI				0.09
1.000	0.57	0.00	0.032	OI				0.11
1.167	0.58	0.00	0.040	OI				0.14
1.333	0.58	0.00	0.048	OI				0.17
1.500	0.58	0.01	0.056	OI				0.20
1.667	0.59	0.01	0.064	OI				0.23
1.833	0.59	0.01	0.072	OI				0.26
2.000	0.59	0.01	0.080	OI				0.29
2.167	0.60	0.01	0.088	OI				0.31
2.333	0.60	0.01	0.096	OI				0.34
2.500	0.61	0.01	0.104	OI				0.37
2.667	0.61	0.01	0.112	OI				0.40
2.833	0.61	0.01	0.121	OI				0.43
3.000	0.62	0.01	0.129	OI				0.46
3.167	0.62	0.01	0.137	OI				0.49
3.333	0.63	0.01	0.146	OI				0.52
3.500	0.63	0.02	0.154	OI				0.55
3.667	0.63	0.02	0.163	OI				0.58
3.833	0.64	0.02	0.171	OI				0.61
4.000	0.64	0.02	0.180	OI				0.64
4.167	0.65	0.02	0.188	OI				0.67
4.333	0.65	0.02	0.197	OI				0.71
4.500	0.66	0.02	0.206	OI				0.74
4.667	0.66	0.02	0.215	OI				0.77
4.833	0.67	0.02	0.224	OI				0.80
5.000	0.67	0.02	0.233	OI				0.83
5.167	0.68	0.02	0.241	OI				0.86
5.333	0.68	0.02	0.251	OI				0.90
5.500	0.69	0.03	0.260	OI				0.93
5.667	0.69	0.03	0.269	OI				0.96
5.833	0.70	0.03	0.278	OI				1.00
6.000	0.71	0.03	0.287	OI				1.03
6.167	0.71	0.03	0.297	OI				1.06
6.333	0.72	0.03	0.306	OI				1.10
6.500	0.73	0.03	0.316	OI				1.13
6.667	0.73	0.03	0.325	OI				1.16
6.833	0.74	0.03	0.335	OI				1.20
7.000	0.75	0.03	0.345	OI				1.23
7.167	0.75	0.04	0.355	OI				1.27
7.333	0.76	0.04	0.365	OI				1.31
7.500	0.77	0.04	0.375	OI				1.34
7.667	0.78	0.04	0.385	OI				1.38
7.833	0.78	0.04	0.395	OI				1.41
8.000	0.79	0.04	0.405	OI				1.45
8.167	0.80	0.04	0.416	OI				1.49
8.333	0.81	0.04	0.426	O I				1.53
8.500	0.82	0.04	0.437	O I				1.56
8.667	0.83	0.04	0.447	O I				1.60
8.833	0.84	0.05	0.458	O I				1.64
9.000	0.85	0.05	0.469	O I				1.68
9.167	0.86	0.05	0.480	O I				1.72
9.333	0.87	0.05	0.491	O I				1.76
9.500	0.88	0.05	0.503	O I				1.80
9.667	0.89	0.05	0.514	O I				1.84
9.833	0.90	0.05	0.526	O I				1.88
10.000	0.91	0.05	0.538	O I				1.93
10.167	0.93	0.05	0.550	O I				1.97
10.333	0.94	0.06	0.562	O I				2.01
10.500	0.95	0.06	0.574	O I				2.06
10.667	0.97	0.06	0.587	O I				2.10
10.833	0.98	0.06	0.599	O I				2.15
11.000	1.00	0.06	0.612	O I				2.19
11.167	1.02	0.06	0.625	O I				2.24
11.333	1.04	0.06	0.638	O I				2.29
11.500	1.05	0.06	0.652	O I				2.33
11.667	1.07	0.07	0.666	O I				2.38
11.833	1.09	0.07	0.680	O I				2.43
12.000	1.12	0.07	0.694	O I				2.48
12.167	1.15	0.07	0.709	O I				2.54
12.333	1.24	0.07	0.724	O I				2.59
12.500	1.31	0.07	0.741	O I				2.65

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12.667    1.35    0.07      0.758  O  I    |       |       |       |     2.71
12.833    1.38    0.08      0.776  O  I    |       |       |       |     2.78
13.000    1.41    0.08      0.794  O  I    |       |       |       |     2.84
13.167    1.45    0.13      0.812  O  I    |       |       |       |     2.91
13.333    1.48    0.49      0.828  |O I    |       |       |       |     2.96
13.500    1.52    0.76      0.840  |O I    |       |       |       |     3.00
13.667    1.57    1.16      0.848  | OI    |       |       |       |     3.02
13.833    1.62    1.38      0.853  |  OI   |       |       |       |     3.04
14.000    1.67    1.51      0.855  |  OI   |       |       |       |     3.04
14.167    1.73    1.61      0.857  |   O   |       |       |       |     3.05
14.333    1.80    1.69      0.859  |   O   |       |       |       |     3.06
14.500    1.87    1.76      0.860  |   O   |       |       |       |     3.06
14.667    1.96    1.84      0.862  |   O   |       |       |       |     3.06
14.833    2.06    1.93      0.864  |   OI  |       |       |       |     3.07
15.000    2.18    2.03      0.866  |    O  |       |       |       |     3.08
15.167    2.32    2.14      0.868  |    O  |       |       |       |     3.08
15.333    2.50    2.28      0.871  |    OI |       |       |       |     3.09
15.500    2.66    2.43      0.874  |     O |       |       |       |     3.10
15.667    2.62    2.54      0.876  |     O |       |       |       |     3.11
15.833    2.85    2.64      0.878  |     OI|       |       |       |     3.11
16.000    3.78    2.98      0.885  |      O|I      |       |       |     3.13
16.167    6.97    4.19      0.910  |       | O     |I      |       |     3.20
16.333   12.84    7.09      0.968  |       |       |O      |      I|     3.38
16.500    9.11    9.06      1.008  |       |       |    O  |       |     3.49
16.667    4.08    7.81      0.983  |       | I     |  O    |       |     3.42
16.833    2.83    5.60      0.938  |      I|    O  |       |       |     3.29
17.000    2.24    4.04      0.906  |    I  | O     |       |       |     3.20
17.167    2.00    3.07      0.887  |   I  O|       |       |       |     3.14
17.333    1.83    2.48      0.875  |   I O |       |       |       |     3.10
17.500    1.69    2.12      0.867  |   IO  |       |       |       |     3.08
17.667    1.59    1.87      0.863  |  IO   |       |       |       |     3.07
17.833    1.50    1.70      0.859  |  IO   |       |       |       |     3.06
18.000    1.42    1.58      0.857  |  O    |       |       |       |     3.05
18.167    1.35    1.48      0.855  |  O    |       |       |       |     3.04
18.333    1.23    1.38      0.853  |  O    |       |       |       |     3.04
18.500    1.13    1.28      0.851  | IO    |       |       |       |     3.03
18.667    1.08    1.19      0.849  | O     |       |       |       |     3.03
18.833    1.04    1.13      0.847  | O     |       |       |       |     3.02
19.000    1.01    1.07      0.846  | O     |       |       |       |     3.02
19.167    0.97    1.03      0.845  | O     |       |       |       |     3.02
19.333    0.94    0.99      0.845  | O     |       |       |       |     3.01
19.500    0.92    0.96      0.844  | O     |       |       |       |     3.01
19.667    0.89    0.93      0.844  | O     |       |       |       |     3.01
19.833    0.87    0.91      0.843  | O     |       |       |       |     3.01
20.000    0.85    0.88      0.842  | O     |       |       |       |     3.01
20.167    0.83    0.86      0.842  | O     |       |       |       |     3.01
20.333    0.81    0.84      0.842  | O     |       |       |       |     3.00
20.500    0.79    0.82      0.841  |IO     |       |       |       |     3.00
20.667    0.78    0.80      0.841  |IO     |       |       |       |     3.00
20.833    0.76    0.79      0.841  |O      |       |       |       |     3.00
21.000    0.75    0.77      0.840  |O      |       |       |       |     3.00
21.167    0.73    0.76      0.840  |O      |       |       |       |     3.00
21.333    0.72    0.75      0.840  |O      |       |       |       |     3.00
21.500    0.71    0.74      0.839  |O      |       |       |       |     3.00
21.667    0.70    0.73      0.839  |O      |       |       |       |     3.00
21.833    0.69    0.72      0.838  |O      |       |       |       |     2.99
22.000    0.67    0.71      0.838  |O      |       |       |       |     2.99
22.167    0.66    0.70      0.837  |O      |       |       |       |     2.99
22.333    0.65    0.69      0.837  |O      |       |       |       |     2.99
22.500    0.65    0.68      0.836  |O      |       |       |       |     2.99
22.667    0.64    0.67      0.836  |O      |       |       |       |     2.99
22.833    0.63    0.66      0.835  |O      |       |       |       |     2.98
23.000    0.62    0.65      0.835  |O      |       |       |       |     2.98
23.167    0.61    0.64      0.835  |O      |       |       |       |     2.98
23.333    0.60    0.63      0.834  |O      |       |       |       |     2.98
23.500    0.60    0.62      0.834  |O      |       |       |       |     2.98
23.667    0.59    0.61      0.834  |O      |       |       |       |     2.98
23.833    0.58    0.61      0.833  |O      |       |       |       |     2.98
24.000    0.58    0.60      0.833  |O      |       |       |       |     2.98
24.167    0.51    0.58      0.832  |O      |       |       |       |     2.97
24.333    0.24    0.53      0.830  IO      |       |       |       |     2.97
24.500    0.05    0.42      0.825  IO      |       |       |       |     2.95
24.667    0.01    0.32      0.820  O       |       |       |       |     2.93
```

24.833	0.00	0.23	0.817	O					2.92
25.000	0.00	0.17	0.814	O					2.91
25.167	0.00	0.12	0.812	O					2.91
25.333	0.00	0.09	0.810	O					2.90
25.500	0.00	0.08	0.809	O					2.90
25.667	0.00	0.08	0.808	O					2.89
25.833	0.00	0.08	0.807	O					2.89
26.000	0.00	0.08	0.806	O					2.89
26.167	0.00	0.08	0.805	O					2.88
26.333	0.00	0.08	0.804	O					2.88
26.500	0.00	0.08	0.803	O					2.87
26.667	0.00	0.08	0.802	O					2.87
26.833	0.00	0.08	0.801	O					2.87
27.000	0.00	0.08	0.799	O					2.86
27.167	0.00	0.08	0.798	O					2.86
27.333	0.00	0.08	0.797	O					2.85
27.500	0.00	0.08	0.796	O					2.85
27.667	0.00	0.08	0.795	O					2.85
27.833	0.00	0.08	0.794	O					2.84
28.000	0.00	0.08	0.793	O					2.84
28.167	0.00	0.08	0.792	O					2.84
28.333	0.00	0.08	0.791	O					2.83
28.500	0.00	0.08	0.790	O					2.83
28.667	0.00	0.08	0.789	O					2.82
28.833	0.00	0.08	0.788	O					2.82
29.000	0.00	0.08	0.786	O					2.82
29.167	0.00	0.08	0.785	O					2.81
29.333	0.00	0.08	0.784	O					2.81
29.500	0.00	0.08	0.783	O					2.80
29.667	0.00	0.08	0.782	O					2.80
29.833	0.00	0.08	0.781	O					2.80
30.000	0.00	0.08	0.780	O					2.79
30.167	0.00	0.08	0.779	O					2.79
30.333	0.00	0.08	0.778	O					2.79
30.500	0.00	0.08	0.777	O					2.78
30.667	0.00	0.08	0.776	O					2.78
30.833	0.00	0.08	0.775	O					2.77
31.000	0.00	0.08	0.774	O					2.77
31.167	0.00	0.08	0.773	O					2.77
31.333	0.00	0.08	0.772	O					2.76
31.500	0.00	0.08	0.771	O					2.76
31.667	0.00	0.08	0.770	O					2.76
31.833	0.00	0.08	0.769	O					2.75
32.000	0.00	0.08	0.767	O					2.75
32.167	0.00	0.08	0.766	O					2.74
32.333	0.00	0.08	0.765	O					2.74
32.500	0.00	0.08	0.764	O					2.74
32.667	0.00	0.08	0.763	O					2.73
32.833	0.00	0.08	0.762	O					2.73
33.000	0.00	0.08	0.761	O					2.73
33.167	0.00	0.08	0.760	O					2.72
33.333	0.00	0.07	0.759	O					2.72
33.500	0.00	0.07	0.758	O					2.71
33.667	0.00	0.07	0.757	O					2.71
33.833	0.00	0.07	0.756	O					2.71
34.000	0.00	0.07	0.755	O					2.70
34.167	0.00	0.07	0.754	O					2.70
34.333	0.00	0.07	0.753	O					2.70
34.500	0.00	0.07	0.752	O					2.69
34.667	0.00	0.07	0.751	O					2.69
34.833	0.00	0.07	0.750	O					2.68
35.000	0.00	0.07	0.749	O					2.68
35.167	0.00	0.07	0.748	O					2.68
35.333	0.00	0.07	0.747	O					2.67
35.500	0.00	0.07	0.746	O					2.67
35.667	0.00	0.07	0.745	O					2.67
35.833	0.00	0.07	0.744	O					2.66
36.000	0.00	0.07	0.743	O					2.66
36.167	0.00	0.07	0.742	O					2.66
36.333	0.00	0.07	0.741	O					2.65
36.500	0.00	0.07	0.740	O					2.65
36.667	0.00	0.07	0.739	O					2.65
36.833	0.00	0.07	0.738	O					2.64

37.000	0.00	0.07	0.737	O					2.64
37.167	0.00	0.07	0.736	O					2.63
37.333	0.00	0.07	0.735	O					2.63
37.500	0.00	0.07	0.734	O					2.63
37.667	0.00	0.07	0.733	O					2.62
37.833	0.00	0.07	0.732	O					2.62
38.000	0.00	0.07	0.731	O					2.62
38.167	0.00	0.07	0.730	O					2.61
38.333	0.00	0.07	0.729	O					2.61
38.500	0.00	0.07	0.728	O					2.61
38.667	0.00	0.07	0.727	O					2.60
38.833	0.00	0.07	0.726	O					2.60
39.000	0.00	0.07	0.725	O					2.60
39.167	0.00	0.07	0.724	O					2.59
39.333	0.00	0.07	0.723	O					2.59
39.500	0.00	0.07	0.722	O					2.58
39.667	0.00	0.07	0.721	O					2.58
39.833	0.00	0.07	0.720	O					2.58
40.000	0.00	0.07	0.719	O					2.57
40.167	0.00	0.07	0.718	O					2.57
40.333	0.00	0.07	0.717	O					2.57
40.500	0.00	0.07	0.716	O					2.56
40.667	0.00	0.07	0.715	O					2.56
40.833	0.00	0.07	0.714	O					2.56
41.000	0.00	0.07	0.713	O					2.55
41.167	0.00	0.07	0.712	O					2.55
41.333	0.00	0.07	0.711	O					2.55
41.500	0.00	0.07	0.710	O					2.54
41.667	0.00	0.07	0.709	O					2.54
41.833	0.00	0.07	0.708	O					2.54
42.000	0.00	0.07	0.707	O					2.53
42.167	0.00	0.07	0.706	O					2.53
42.333	0.00	0.07	0.705	O					2.53
42.500	0.00	0.07	0.704	O					2.52
42.667	0.00	0.07	0.703	O					2.52
42.833	0.00	0.07	0.703	O					2.52
43.000	0.00	0.07	0.702	O					2.51
43.167	0.00	0.07	0.701	O					2.51
43.333	0.00	0.07	0.700	O					2.50
43.500	0.00	0.07	0.699	O					2.50
43.667	0.00	0.07	0.698	O					2.50
43.833	0.00	0.07	0.697	O					2.49
44.000	0.00	0.07	0.696	O					2.49
44.167	0.00	0.07	0.695	O					2.49
44.333	0.00	0.07	0.694	O					2.48
44.500	0.00	0.07	0.693	O					2.48
44.667	0.00	0.07	0.692	O					2.48
44.833	0.00	0.07	0.691	O					2.47
45.000	0.00	0.07	0.690	O					2.47
45.167	0.00	0.07	0.689	O					2.47
45.333	0.00	0.07	0.688	O					2.46
45.500	0.00	0.07	0.687	O					2.46
45.667	0.00	0.07	0.686	O					2.46
45.833	0.00	0.07	0.686	O					2.45
46.000	0.00	0.07	0.685	O					2.45
46.167	0.00	0.07	0.684	O					2.45
46.333	0.00	0.07	0.683	O					2.44
46.500	0.00	0.07	0.682	O					2.44
46.667	0.00	0.07	0.681	O					2.44
46.833	0.00	0.07	0.680	O					2.43
47.000	0.00	0.07	0.679	O					2.43
47.167	0.00	0.07	0.678	O					2.43
47.333	0.00	0.07	0.677	O					2.42
47.500	0.00	0.07	0.676	O					2.42
47.667	0.00	0.07	0.675	O					2.42
47.833	0.00	0.07	0.674	O					2.41
48.000	0.00	0.07	0.674	O					2.41
48.167	0.00	0.07	0.673	O					2.41
48.333	0.00	0.07	0.672	O					2.40
48.500	0.00	0.07	0.671	O					2.40
48.667	0.00	0.07	0.670	O					2.40
48.833	0.00	0.07	0.669	O					2.39
49.000	0.00	0.07	0.668	O					2.39

49.167	0.00	0.07	0.667	O					2.39
49.333	0.00	0.07	0.666	O					2.39
49.500	0.00	0.07	0.665	O					2.38
49.667	0.00	0.07	0.664	O					2.38
49.833	0.00	0.07	0.664	O					2.38
50.000	0.00	0.07	0.663	O					2.37
50.167	0.00	0.07	0.662	O					2.37
50.333	0.00	0.07	0.661	O					2.37
50.500	0.00	0.07	0.660	O					2.36
50.667	0.00	0.07	0.659	O					2.36
50.833	0.00	0.06	0.658	O					2.36
51.000	0.00	0.06	0.657	O					2.35
51.167	0.00	0.06	0.656	O					2.35
51.333	0.00	0.06	0.655	O					2.35
51.500	0.00	0.06	0.655	O					2.34
51.667	0.00	0.06	0.654	O					2.34
51.833	0.00	0.06	0.653	O					2.34
52.000	0.00	0.06	0.652	O					2.33
52.167	0.00	0.06	0.651	O					2.33
52.333	0.00	0.06	0.650	O					2.33
52.500	0.00	0.06	0.649	O					2.32
52.667	0.00	0.06	0.648	O					2.32
52.833	0.00	0.06	0.647	O					2.32
53.000	0.00	0.06	0.647	O					2.31
53.167	0.00	0.06	0.646	O					2.31
53.333	0.00	0.06	0.645	O					2.31
53.500	0.00	0.06	0.644	O					2.31
53.667	0.00	0.06	0.643	O					2.30
53.833	0.00	0.06	0.642	O					2.30
54.000	0.00	0.06	0.641	O					2.30
54.167	0.00	0.06	0.640	O					2.29
54.333	0.00	0.06	0.640	O					2.29
54.500	0.00	0.06	0.639	O					2.29
54.667	0.00	0.06	0.638	O					2.28
54.833	0.00	0.06	0.637	O					2.28
55.000	0.00	0.06	0.636	O					2.28
55.167	0.00	0.06	0.635	O					2.27
55.333	0.00	0.06	0.634	O					2.27
55.500	0.00	0.06	0.634	O					2.27
55.667	0.00	0.06	0.633	O					2.27
55.833	0.00	0.06	0.632	O					2.26
56.000	0.00	0.06	0.631	O					2.26
56.167	0.00	0.06	0.630	O					2.26
56.333	0.00	0.06	0.629	O					2.25
56.500	0.00	0.06	0.628	O					2.25
56.667	0.00	0.06	0.628	O					2.25
56.833	0.00	0.06	0.627	O					2.24
57.000	0.00	0.06	0.626	O					2.24
57.167	0.00	0.06	0.625	O					2.24
57.333	0.00	0.06	0.624	O					2.23
57.500	0.00	0.06	0.623	O					2.23
57.667	0.00	0.06	0.622	O					2.23
57.833	0.00	0.06	0.622	O					2.23
58.000	0.00	0.06	0.621	O					2.22
58.167	0.00	0.06	0.620	O					2.22
58.333	0.00	0.06	0.619	O					2.22
58.500	0.00	0.06	0.618	O					2.21
58.667	0.00	0.06	0.617	O					2.21
58.833	0.00	0.06	0.617	O					2.21
59.000	0.00	0.06	0.616	O					2.20
59.167	0.00	0.06	0.615	O					2.20
59.333	0.00	0.06	0.614	O					2.20
59.500	0.00	0.06	0.613	O					2.20
59.667	0.00	0.06	0.612	O					2.19
59.833	0.00	0.06	0.611	O					2.19
60.000	0.00	0.06	0.611	O					2.19
60.167	0.00	0.06	0.610	O					2.18
60.333	0.00	0.06	0.609	O					2.18
60.500	0.00	0.06	0.608	O					2.18
60.667	0.00	0.06	0.607	O					2.17
60.833	0.00	0.06	0.607	O					2.17
61.000	0.00	0.06	0.606	O					2.17
61.167	0.00	0.06	0.605	O					2.17

61.333	0.00	0.06	0.604	O					2.16
61.500	0.00	0.06	0.603	O					2.16
61.667	0.00	0.06	0.602	O					2.16
61.833	0.00	0.06	0.602	O					2.15
62.000	0.00	0.06	0.601	O					2.15
62.167	0.00	0.06	0.600	O					2.15
62.333	0.00	0.06	0.599	O					2.15
62.500	0.00	0.06	0.598	O					2.14
62.667	0.00	0.06	0.598	O					2.14
62.833	0.00	0.06	0.597	O					2.14
63.000	0.00	0.06	0.596	O					2.13
63.167	0.00	0.06	0.595	O					2.13
63.333	0.00	0.06	0.594	O					2.13
63.500	0.00	0.06	0.593	O					2.12
63.667	0.00	0.06	0.593	O					2.12
63.833	0.00	0.06	0.592	O					2.12
64.000	0.00	0.06	0.591	O					2.12
64.167	0.00	0.06	0.590	O					2.11
64.333	0.00	0.06	0.589	O					2.11
64.500	0.00	0.06	0.589	O					2.11
64.667	0.00	0.06	0.588	O					2.10
64.833	0.00	0.06	0.587	O					2.10
65.000	0.00	0.06	0.586	O					2.10
65.167	0.00	0.06	0.585	O					2.10
65.333	0.00	0.06	0.585	O					2.09
65.500	0.00	0.06	0.584	O					2.09
65.667	0.00	0.06	0.583	O					2.09
65.833	0.00	0.06	0.582	O					2.08
66.000	0.00	0.06	0.581	O					2.08
66.167	0.00	0.06	0.581	O					2.08
66.333	0.00	0.06	0.580	O					2.08
66.500	0.00	0.06	0.579	O					2.07
66.667	0.00	0.06	0.578	O					2.07
66.833	0.00	0.06	0.578	O					2.07
67.000	0.00	0.06	0.577	O					2.06
67.167	0.00	0.06	0.576	O					2.06
67.333	0.00	0.06	0.575	O					2.06
67.500	0.00	0.06	0.574	O					2.06
67.667	0.00	0.06	0.574	O					2.05
67.833	0.00	0.06	0.573	O					2.05
68.000	0.00	0.06	0.572	O					2.05
68.167	0.00	0.06	0.571	O					2.05
68.333	0.00	0.06	0.571	O					2.04
68.500	0.00	0.06	0.570	O					2.04
68.667	0.00	0.06	0.569	O					2.04
68.833	0.00	0.06	0.568	O					2.03
69.000	0.00	0.06	0.567	O					2.03
69.167	0.00	0.06	0.567	O					2.03
69.333	0.00	0.06	0.566	O					2.03
69.500	0.00	0.06	0.565	O					2.02
69.667	0.00	0.06	0.564	O					2.02
69.833	0.00	0.06	0.564	O					2.02
70.000	0.00	0.06	0.563	O					2.01
70.167	0.00	0.06	0.562	O					2.01
70.333	0.00	0.06	0.561	O					2.01
70.500	0.00	0.06	0.561	O					2.01
70.667	0.00	0.06	0.560	O					2.00
70.833	0.00	0.06	0.559	O					2.00
71.000	0.00	0.06	0.558	O					2.00
71.167	0.00	0.06	0.557	O					2.00
71.333	0.00	0.05	0.557	O					1.99
71.500	0.00	0.05	0.556	O					1.99
71.667	0.00	0.05	0.555	O					1.99
71.833	0.00	0.05	0.554	O					1.99
72.000	0.00	0.05	0.554	O					1.98
72.167	0.00	0.05	0.553	O					1.98
72.333	0.00	0.05	0.552	O					1.98
72.500	0.00	0.05	0.551	O					1.97
72.667	0.00	0.05	0.551	O					1.97
72.833	0.00	0.05	0.550	O					1.97
73.000	0.00	0.05	0.549	O					1.97
73.167	0.00	0.05	0.548	O					1.96
73.333	0.00	0.05	0.548	O					1.96

73.500	0.00	0.05	0.547	O				1.96
73.667	0.00	0.05	0.546	O				1.96
73.833	0.00	0.05	0.545	O				1.95
74.000	0.00	0.05	0.545	O				1.95
74.167	0.00	0.05	0.544	O				1.95
74.333	0.00	0.05	0.543	O				1.94
74.500	0.00	0.05	0.543	O				1.94
74.667	0.00	0.05	0.542	O				1.94
74.833	0.00	0.05	0.541	O				1.94
75.000	0.00	0.05	0.540	O				1.93
75.167	0.00	0.05	0.540	O				1.93
75.333	0.00	0.05	0.539	O				1.93
75.500	0.00	0.05	0.538	O				1.93
75.667	0.00	0.05	0.537	O				1.92
75.833	0.00	0.05	0.537	O				1.92
76.000	0.00	0.05	0.536	O				1.92
76.167	0.00	0.05	0.535	O				1.92
76.333	0.00	0.05	0.534	O				1.91
76.500	0.00	0.05	0.534	O				1.91
76.667	0.00	0.05	0.533	O				1.91
76.833	0.00	0.05	0.532	O				1.91
77.000	0.00	0.05	0.532	O				1.90
77.167	0.00	0.05	0.531	O				1.90
77.333	0.00	0.05	0.530	O				1.90
77.500	0.00	0.05	0.529	O				1.90
77.667	0.00	0.05	0.529	O				1.89
77.833	0.00	0.05	0.528	O				1.89
78.000	0.00	0.05	0.527	O				1.89
78.167	0.00	0.05	0.527	O				1.89
78.333	0.00	0.05	0.526	O				1.88
78.500	0.00	0.05	0.525	O				1.88
78.667	0.00	0.05	0.524	O				1.88
78.833	0.00	0.05	0.524	O				1.87
79.000	0.00	0.05	0.523	O				1.87
79.167	0.00	0.05	0.522	O				1.87
79.333	0.00	0.05	0.522	O				1.87
79.500	0.00	0.05	0.521	O				1.86
79.667	0.00	0.05	0.520	O				1.86
79.833	0.00	0.05	0.519	O				1.86
80.000	0.00	0.05	0.519	O				1.86
80.167	0.00	0.05	0.518	O				1.85
80.333	0.00	0.05	0.517	O				1.85
80.500	0.00	0.05	0.517	O				1.85
80.667	0.00	0.05	0.516	O				1.85
80.833	0.00	0.05	0.515	O				1.84
81.000	0.00	0.05	0.514	O				1.84
81.167	0.00	0.05	0.514	O				1.84
81.333	0.00	0.05	0.513	O				1.84
81.500	0.00	0.05	0.512	O				1.83
81.667	0.00	0.05	0.512	O				1.83
81.833	0.00	0.05	0.511	O				1.83
82.000	0.00	0.05	0.510	O				1.83
82.167	0.00	0.05	0.510	O				1.82
82.333	0.00	0.05	0.509	O				1.82
82.500	0.00	0.05	0.508	O				1.82
82.667	0.00	0.05	0.508	O				1.82
82.833	0.00	0.05	0.507	O				1.81
83.000	0.00	0.05	0.506	O				1.81
83.167	0.00	0.05	0.505	O				1.81
83.333	0.00	0.05	0.505	O				1.81
83.500	0.00	0.05	0.504	O				1.80
83.667	0.00	0.05	0.503	O				1.80
83.833	0.00	0.05	0.503	O				1.80
84.000	0.00	0.05	0.502	O				1.80
84.167	0.00	0.05	0.501	O				1.79
84.333	0.00	0.05	0.501	O				1.79
84.500	0.00	0.05	0.500	O				1.79
84.667	0.00	0.05	0.499	O				1.79
84.833	0.00	0.05	0.499	O				1.79
85.000	0.00	0.05	0.498	O				1.78
85.167	0.00	0.05	0.497	O				1.78
85.333	0.00	0.05	0.497	O				1.78
85.500	0.00	0.05	0.496	O				1.78

85.667	0.00	0.05	0.495	O				1.77
85.833	0.00	0.05	0.495	O				1.77
86.000	0.00	0.05	0.494	O				1.77
86.167	0.00	0.05	0.493	O				1.77
86.333	0.00	0.05	0.493	O				1.76
86.500	0.00	0.05	0.492	O				1.76
86.667	0.00	0.05	0.491	O				1.76
86.833	0.00	0.05	0.491	O				1.76
87.000	0.00	0.05	0.490	O				1.75
87.167	0.00	0.05	0.489	O				1.75
87.333	0.00	0.05	0.489	O				1.75
87.500	0.00	0.05	0.488	O				1.75
87.667	0.00	0.05	0.487	O				1.74
87.833	0.00	0.05	0.487	O				1.74
88.000	0.00	0.05	0.486	O				1.74
88.167	0.00	0.05	0.485	O				1.74
88.333	0.00	0.05	0.485	O				1.73
88.500	0.00	0.05	0.484	O				1.73
88.667	0.00	0.05	0.483	O				1.73
88.833	0.00	0.05	0.483	O				1.73
89.000	0.00	0.05	0.482	O				1.73
89.167	0.00	0.05	0.481	O				1.72
89.333	0.00	0.05	0.481	O				1.72
89.500	0.00	0.05	0.480	O				1.72
89.667	0.00	0.05	0.479	O				1.72
89.833	0.00	0.05	0.479	O				1.71
90.000	0.00	0.05	0.478	O				1.71
90.167	0.00	0.05	0.477	O				1.71
90.333	0.00	0.05	0.477	O				1.71
90.500	0.00	0.05	0.476	O				1.70
90.667	0.00	0.05	0.475	O				1.70
90.833	0.00	0.05	0.475	O				1.70
91.000	0.00	0.05	0.474	O				1.70
91.167	0.00	0.05	0.474	O				1.70
91.333	0.00	0.05	0.473	O				1.69
91.500	0.00	0.05	0.472	O				1.69
91.667	0.00	0.05	0.472	O				1.69
91.833	0.00	0.05	0.471	O				1.69
92.000	0.00	0.05	0.470	O				1.68
92.167	0.00	0.05	0.470	O				1.68
92.333	0.00	0.05	0.469	O				1.68
92.500	0.00	0.05	0.468	O				1.68
92.667	0.00	0.05	0.468	O				1.67
92.833	0.00	0.05	0.467	O				1.67
93.000	0.00	0.05	0.466	O				1.67
93.167	0.00	0.05	0.466	O				1.67
93.333	0.00	0.05	0.465	O				1.67
93.500	0.00	0.05	0.465	O				1.66
93.667	0.00	0.05	0.464	O				1.66
93.833	0.00	0.05	0.463	O				1.66
94.000	0.00	0.05	0.463	O				1.66
94.167	0.00	0.05	0.462	O				1.65
94.333	0.00	0.05	0.461	O				1.65
94.500	0.00	0.05	0.461	O				1.65
94.667	0.00	0.05	0.460	O				1.65
94.833	0.00	0.05	0.460	O				1.65
95.000	0.00	0.05	0.459	O				1.64
95.167	0.00	0.05	0.458	O				1.64
95.333	0.00	0.05	0.458	O				1.64
95.500	0.00	0.05	0.457	O				1.64
95.667	0.00	0.05	0.456	O				1.63
95.833	0.00	0.05	0.456	O				1.63
96.000	0.00	0.04	0.455	O				1.63
96.167	0.00	0.04	0.455	O				1.63
96.333	0.00	0.04	0.454	O				1.63
96.500	0.00	0.04	0.453	O				1.62
96.667	0.00	0.04	0.453	O				1.62
96.833	0.00	0.04	0.452	O				1.62
97.000	0.00	0.04	0.451	O				1.62
97.167	0.00	0.04	0.451	O				1.61
97.333	0.00	0.04	0.450	O				1.61
97.500	0.00	0.04	0.450	O				1.61
97.667	0.00	0.04	0.449	O				1.61

97.833	0.00	0.04	0.448	O				1.61
98.000	0.00	0.04	0.448	O				1.60
98.167	0.00	0.04	0.447	O				1.60
98.333	0.00	0.04	0.447	O				1.60
98.500	0.00	0.04	0.446	O				1.60
98.667	0.00	0.04	0.445	O				1.59
98.833	0.00	0.04	0.445	O				1.59
99.000	0.00	0.04	0.444	O				1.59
99.167	0.00	0.04	0.444	O				1.59
99.333	0.00	0.04	0.443	O				1.59
99.500	0.00	0.04	0.442	O				1.58
99.667	0.00	0.04	0.442	O				1.58
99.833	0.00	0.04	0.441	O				1.58
100.000	0.00	0.04	0.441	O				1.58
100.167	0.00	0.04	0.440	O				1.58
100.333	0.00	0.04	0.439	O				1.57
100.500	0.00	0.04	0.439	O				1.57
100.667	0.00	0.04	0.438	O				1.57
100.833	0.00	0.04	0.438	O				1.57
101.000	0.00	0.04	0.437	O				1.56
101.167	0.00	0.04	0.436	O				1.56
101.333	0.00	0.04	0.436	O				1.56
101.500	0.00	0.04	0.435	O				1.56
101.667	0.00	0.04	0.435	O				1.56
101.833	0.00	0.04	0.434	O				1.55
102.000	0.00	0.04	0.433	O				1.55
102.167	0.00	0.04	0.433	O				1.55
102.333	0.00	0.04	0.432	O				1.55
102.500	0.00	0.04	0.432	O				1.55
102.667	0.00	0.04	0.431	O				1.54
102.833	0.00	0.04	0.430	O				1.54
103.000	0.00	0.04	0.430	O				1.54
103.167	0.00	0.04	0.429	O				1.54
103.333	0.00	0.04	0.429	O				1.53
103.500	0.00	0.04	0.428	O				1.53
103.667	0.00	0.04	0.428	O				1.53
103.833	0.00	0.04	0.427	O				1.53
104.000	0.00	0.04	0.426	O				1.53
104.167	0.00	0.04	0.426	O				1.52
104.333	0.00	0.04	0.425	O				1.52
104.500	0.00	0.04	0.425	O				1.52
104.667	0.00	0.04	0.424	O				1.52
104.833	0.00	0.04	0.424	O				1.52
105.000	0.00	0.04	0.423	O				1.51
105.167	0.00	0.04	0.422	O				1.51
105.333	0.00	0.04	0.422	O				1.51
105.500	0.00	0.04	0.421	O				1.51
105.667	0.00	0.04	0.421	O				1.51
105.833	0.00	0.04	0.420	O				1.50
106.000	0.00	0.04	0.420	O				1.50
106.167	0.00	0.04	0.419	O				1.50
106.333	0.00	0.04	0.418	O				1.50
106.500	0.00	0.04	0.418	O				1.50
106.667	0.00	0.04	0.417	O				1.49
106.833	0.00	0.04	0.417	O				1.49
107.000	0.00	0.04	0.416	O				1.49
107.167	0.00	0.04	0.416	O				1.49
107.333	0.00	0.04	0.415	O				1.49
107.500	0.00	0.04	0.414	O				1.48
107.667	0.00	0.04	0.414	O				1.48
107.833	0.00	0.04	0.413	O				1.48
108.000	0.00	0.04	0.413	O				1.48
108.167	0.00	0.04	0.412	O				1.48
108.333	0.00	0.04	0.412	O				1.47
108.500	0.00	0.04	0.411	O				1.47
108.667	0.00	0.04	0.410	O				1.47
108.833	0.00	0.04	0.410	O				1.47
109.000	0.00	0.04	0.409	O				1.47
109.167	0.00	0.04	0.409	O				1.46
109.333	0.00	0.04	0.408	O				1.46
109.500	0.00	0.04	0.408	O				1.46
109.667	0.00	0.04	0.407	O				1.46
109.833	0.00	0.04	0.407	O				1.46

110.000	0.00	0.04	0.406	O					1.45
110.167	0.00	0.04	0.405	O					1.45
110.333	0.00	0.04	0.405	O					1.45
110.500	0.00	0.04	0.404	O					1.45
110.667	0.00	0.04	0.404	O					1.45
110.833	0.00	0.04	0.403	O					1.44
111.000	0.00	0.04	0.403	O					1.44
111.167	0.00	0.04	0.402	O					1.44
111.333	0.00	0.04	0.402	O					1.44
111.500	0.00	0.04	0.401	O					1.44
111.667	0.00	0.04	0.401	O					1.43
111.833	0.00	0.04	0.400	O					1.43
112.000	0.00	0.04	0.399	O					1.43
112.167	0.00	0.04	0.399	O					1.43
112.333	0.00	0.04	0.398	O					1.43
112.500	0.00	0.04	0.398	O					1.42
112.667	0.00	0.04	0.397	O					1.42
112.833	0.00	0.04	0.397	O					1.42
113.000	0.00	0.04	0.396	O					1.42
113.167	0.00	0.04	0.396	O					1.42
113.333	0.00	0.04	0.395	O					1.41
113.500	0.00	0.04	0.395	O					1.41
113.667	0.00	0.04	0.394	O					1.41
113.833	0.00	0.04	0.394	O					1.41
114.000	0.00	0.04	0.393	O					1.41
114.167	0.00	0.04	0.392	O					1.41
114.333	0.00	0.04	0.392	O					1.40
114.500	0.00	0.04	0.391	O					1.40
114.667	0.00	0.04	0.391	O					1.40
114.833	0.00	0.04	0.390	O					1.40
115.000	0.00	0.04	0.390	O					1.40
115.167	0.00	0.04	0.389	O					1.39
115.333	0.00	0.04	0.389	O					1.39
115.500	0.00	0.04	0.388	O					1.39
115.667	0.00	0.04	0.388	O					1.39
115.833	0.00	0.04	0.387	O					1.39
116.000	0.00	0.04	0.387	O					1.38
116.167	0.00	0.04	0.386	O					1.38
116.333	0.00	0.04	0.386	O					1.38
116.500	0.00	0.04	0.385	O					1.38
116.667	0.00	0.04	0.385	O					1.38
116.833	0.00	0.04	0.384	O					1.37
117.000	0.00	0.04	0.383	O					1.37
117.167	0.00	0.04	0.383	O					1.37
117.333	0.00	0.04	0.382	O					1.37
117.500	0.00	0.04	0.382	O					1.37
117.667	0.00	0.04	0.381	O					1.37
117.833	0.00	0.04	0.381	O					1.36
118.000	0.00	0.04	0.380	O					1.36
118.167	0.00	0.04	0.380	O					1.36
118.333	0.00	0.04	0.379	O					1.36
118.500	0.00	0.04	0.379	O					1.36
118.667	0.00	0.04	0.378	O					1.35
118.833	0.00	0.04	0.378	O					1.35
119.000	0.00	0.04	0.377	O					1.35
119.167	0.00	0.04	0.377	O					1.35
119.333	0.00	0.04	0.376	O					1.35
119.500	0.00	0.04	0.376	O					1.35
119.667	0.00	0.04	0.375	O					1.34
119.833	0.00	0.04	0.375	O					1.34
120.000	0.00	0.04	0.374	O					1.34
120.167	0.00	0.04	0.374	O					1.34
120.333	0.00	0.04	0.373	O					1.34
120.500	0.00	0.04	0.373	O					1.33
120.667	0.00	0.04	0.372	O					1.33
120.833	0.00	0.04	0.372	O					1.33
121.000	0.00	0.04	0.371	O					1.33
121.167	0.00	0.04	0.371	O					1.33
121.333	0.00	0.04	0.370	O					1.33
121.500	0.00	0.04	0.370	O					1.32
121.667	0.00	0.04	0.369	O					1.32
121.833	0.00	0.04	0.369	O					1.32
122.000	0.00	0.04	0.368	O					1.32

122.167	0.00	0.04	0.368	O					1.32
122.333	0.00	0.04	0.367	O					1.31
122.500	0.00	0.04	0.367	O					1.31
122.667	0.00	0.04	0.366	O					1.31
122.833	0.00	0.04	0.366	O					1.31
123.000	0.00	0.04	0.365	O					1.31
123.167	0.00	0.04	0.365	O					1.31
123.333	0.00	0.04	0.364	O					1.30
123.500	0.00	0.04	0.364	O					1.30
123.667	0.00	0.04	0.363	O					1.30
123.833	0.00	0.04	0.363	O					1.30
124.000	0.00	0.04	0.362	O					1.30
124.167	0.00	0.04	0.362	O					1.29
124.333	0.00	0.04	0.361	O					1.29
124.500	0.00	0.04	0.361	O					1.29
124.667	0.00	0.04	0.360	O					1.29
124.833	0.00	0.04	0.360	O					1.29
125.000	0.00	0.04	0.359	O					1.29
125.167	0.00	0.04	0.359	O					1.28
125.333	0.00	0.04	0.358	O					1.28
125.500	0.00	0.04	0.358	O					1.28
125.667	0.00	0.04	0.357	O					1.28
125.833	0.00	0.04	0.357	O					1.28
126.000	0.00	0.04	0.356	O					1.28
126.167	0.00	0.04	0.356	O					1.27
126.333	0.00	0.04	0.355	O					1.27
126.500	0.00	0.04	0.355	O					1.27
126.667	0.00	0.04	0.354	O					1.27
126.833	0.00	0.03	0.354	O					1.27
127.000	0.00	0.03	0.353	O					1.27
127.167	0.00	0.03	0.353	O					1.26
127.333	0.00	0.03	0.352	O					1.26
127.500	0.00	0.03	0.352	O					1.26
127.667	0.00	0.03	0.352	O					1.26
127.833	0.00	0.03	0.351	O					1.26
128.000	0.00	0.03	0.351	O					1.26
128.167	0.00	0.03	0.350	O					1.25
128.333	0.00	0.03	0.350	O					1.25
128.500	0.00	0.03	0.349	O					1.25
128.667	0.00	0.03	0.349	O					1.25
128.833	0.00	0.03	0.348	O					1.25
129.000	0.00	0.03	0.348	O					1.24
129.167	0.00	0.03	0.347	O					1.24
129.333	0.00	0.03	0.347	O					1.24
129.500	0.00	0.03	0.346	O					1.24
129.667	0.00	0.03	0.346	O					1.24
129.833	0.00	0.03	0.345	O					1.24
130.000	0.00	0.03	0.345	O					1.23
130.167	0.00	0.03	0.344	O					1.23
130.333	0.00	0.03	0.344	O					1.23
130.500	0.00	0.03	0.343	O					1.23
130.667	0.00	0.03	0.343	O					1.23
130.833	0.00	0.03	0.343	O					1.23
131.000	0.00	0.03	0.342	O					1.22
131.167	0.00	0.03	0.342	O					1.22
131.333	0.00	0.03	0.341	O					1.22
131.500	0.00	0.03	0.341	O					1.22
131.667	0.00	0.03	0.340	O					1.22
131.833	0.00	0.03	0.340	O					1.22
132.000	0.00	0.03	0.339	O					1.21
132.167	0.00	0.03	0.339	O					1.21
132.333	0.00	0.03	0.338	O					1.21
132.500	0.00	0.03	0.338	O					1.21
132.667	0.00	0.03	0.337	O					1.21
132.833	0.00	0.03	0.337	O					1.21
133.000	0.00	0.03	0.337	O					1.20
133.167	0.00	0.03	0.336	O					1.20
133.333	0.00	0.03	0.336	O					1.20
133.500	0.00	0.03	0.335	O					1.20
133.667	0.00	0.03	0.335	O					1.20
133.833	0.00	0.03	0.334	O					1.20
134.000	0.00	0.03	0.334	O					1.20
134.167	0.00	0.03	0.333	O					1.19

134.333	0.00	0.03	0.333	O					1.19
134.500	0.00	0.03	0.332	O					1.19
134.667	0.00	0.03	0.332	O					1.19
134.833	0.00	0.03	0.332	O					1.19
135.000	0.00	0.03	0.331	O					1.19
135.167	0.00	0.03	0.331	O					1.18
135.333	0.00	0.03	0.330	O					1.18
135.500	0.00	0.03	0.330	O					1.18
135.667	0.00	0.03	0.329	O					1.18
135.833	0.00	0.03	0.329	O					1.18
136.000	0.00	0.03	0.328	O					1.18
136.167	0.00	0.03	0.328	O					1.17
136.333	0.00	0.03	0.327	O					1.17
136.500	0.00	0.03	0.327	O					1.17
136.667	0.00	0.03	0.327	O					1.17
136.833	0.00	0.03	0.326	O					1.17
137.000	0.00	0.03	0.326	O					1.17
137.167	0.00	0.03	0.325	O					1.16
137.333	0.00	0.03	0.325	O					1.16
137.500	0.00	0.03	0.324	O					1.16
137.667	0.00	0.03	0.324	O					1.16
137.833	0.00	0.03	0.324	O					1.16
138.000	0.00	0.03	0.323	O					1.16
138.167	0.00	0.03	0.323	O					1.16
138.333	0.00	0.03	0.322	O					1.15
138.500	0.00	0.03	0.322	O					1.15
138.667	0.00	0.03	0.321	O					1.15
138.833	0.00	0.03	0.321	O					1.15
139.000	0.00	0.03	0.320	O					1.15
139.167	0.00	0.03	0.320	O					1.15
139.333	0.00	0.03	0.320	O					1.14
139.500	0.00	0.03	0.319	O					1.14
139.667	0.00	0.03	0.319	O					1.14
139.833	0.00	0.03	0.318	O					1.14
140.000	0.00	0.03	0.318	O					1.14
140.167	0.00	0.03	0.317	O					1.14
140.333	0.00	0.03	0.317	O					1.13
140.500	0.00	0.03	0.317	O					1.13
140.667	0.00	0.03	0.316	O					1.13
140.833	0.00	0.03	0.316	O					1.13
141.000	0.00	0.03	0.315	O					1.13
141.167	0.00	0.03	0.315	O					1.13
141.333	0.00	0.03	0.314	O					1.13
141.500	0.00	0.03	0.314	O					1.12
141.667	0.00	0.03	0.314	O					1.12
141.833	0.00	0.03	0.313	O					1.12
142.000	0.00	0.03	0.313	O					1.12
142.167	0.00	0.03	0.312	O					1.12
142.333	0.00	0.03	0.312	O					1.12
142.500	0.00	0.03	0.311	O					1.11
142.667	0.00	0.03	0.311	O					1.11
142.833	0.00	0.03	0.311	O					1.11
143.000	0.00	0.03	0.310	O					1.11
143.167	0.00	0.03	0.310	O					1.11
143.333	0.00	0.03	0.309	O					1.11
143.500	0.00	0.03	0.309	O					1.11
143.667	0.00	0.03	0.308	O					1.10
143.833	0.00	0.03	0.308	O					1.10
144.000	0.00	0.03	0.308	O					1.10
144.167	0.00	0.03	0.307	O					1.10
144.333	0.00	0.03	0.307	O					1.10
144.500	0.00	0.03	0.306	O					1.10
144.667	0.00	0.03	0.306	O					1.10
144.833	0.00	0.03	0.306	O					1.09
145.000	0.00	0.03	0.305	O					1.09
145.167	0.00	0.03	0.305	O					1.09
145.333	0.00	0.03	0.304	O					1.09
145.500	0.00	0.03	0.304	O					1.09
145.667	0.00	0.03	0.303	O					1.09
145.833	0.00	0.03	0.303	O					1.09
146.000	0.00	0.03	0.303	O					1.08
146.167	0.00	0.03	0.302	O					1.08
146.333	0.00	0.03	0.302	O					1.08

146.500	0.00	0.03	0.301	O	|	|	|	|	1.08
146.667	0.00	0.03	0.301	O	|	|	|	|	1.08
146.833	0.00	0.03	0.301	O	|	|	|	|	1.08
147.000	0.00	0.03	0.300	O	|	|	|	|	1.07
147.167	0.00	0.03	0.300	O	|	|	|	|	1.07
147.333	0.00	0.03	0.299	O	|	|	|	|	1.07
147.500	0.00	0.03	0.299	O	|	|	|	|	1.07
147.667	0.00	0.03	0.299	O	|	|	|	|	1.07
147.833	0.00	0.03	0.298	O	|	|	|	|	1.07
148.000	0.00	0.03	0.298	O	|	|	|	|	1.07
148.167	0.00	0.03	0.297	O	|	|	|	|	1.06
148.333	0.00	0.03	0.297	O	|	|	|	|	1.06
148.500	0.00	0.03	0.297	O	|	|	|	|	1.06
148.667	0.00	0.03	0.296	O	|	|	|	|	1.06
148.833	0.00	0.03	0.296	O	|	|	|	|	1.06
149.000	0.00	0.03	0.295	O	|	|	|	|	1.06
149.167	0.00	0.03	0.295	O	|	|	|	|	1.06
149.333	0.00	0.03	0.295	O	|	|	|	|	1.05
149.500	0.00	0.03	0.294	O	|	|	|	|	1.05
149.667	0.00	0.03	0.294	O	|	|	|	|	1.05
149.833	0.00	0.03	0.293	O	|	|	|	|	1.05
150.000	0.00	0.03	0.293	O	|	|	|	|	1.05
150.167	0.00	0.03	0.293	O	|	|	|	|	1.05
150.333	0.00	0.03	0.292	O	|	|	|	|	1.05
150.500	0.00	0.03	0.292	O	|	|	|	|	1.04
150.667	0.00	0.03	0.291	O	|	|	|	|	1.04
150.833	0.00	0.03	0.291	O	|	|	|	|	1.04
151.000	0.00	0.03	0.291	O	|	|	|	|	1.04
151.167	0.00	0.03	0.290	O	|	|	|	|	1.04
151.333	0.00	0.03	0.290	O	|	|	|	|	1.04
151.500	0.00	0.03	0.289	O	|	|	|	|	1.04
151.667	0.00	0.03	0.289	O	|	|	|	|	1.03
151.833	0.00	0.03	0.289	O	|	|	|	|	1.03
152.000	0.00	0.03	0.288	O	|	|	|	|	1.03
152.167	0.00	0.03	0.288	O	|	|	|	|	1.03
152.333	0.00	0.03	0.287	O	|	|	|	|	1.03
152.500	0.00	0.03	0.287	O	|	|	|	|	1.03
152.667	0.00	0.03	0.287	O	|	|	|	|	1.03
152.833	0.00	0.03	0.286	O	|	|	|	|	1.02
153.000	0.00	0.03	0.286	O	|	|	|	|	1.02
153.167	0.00	0.03	0.285	O	|	|	|	|	1.02
153.333	0.00	0.03	0.285	O	|	|	|	|	1.02
153.500	0.00	0.03	0.285	O	|	|	|	|	1.02
153.667	0.00	0.03	0.284	O	|	|	|	|	1.02
153.833	0.00	0.03	0.284	O	|	|	|	|	1.02
154.000	0.00	0.03	0.284	O	|	|	|	|	1.02
154.167	0.00	0.03	0.283	O	|	|	|	|	1.01
154.333	0.00	0.03	0.283	O	|	|	|	|	1.01
154.500	0.00	0.03	0.282	O	|	|	|	|	1.01
154.667	0.00	0.03	0.282	O	|	|	|	|	1.01
154.833	0.00	0.03	0.282	O	|	|	|	|	1.01
155.000	0.00	0.03	0.281	O	|	|	|	|	1.01
155.167	0.00	0.03	0.281	O	|	|	|	|	1.01
155.333	0.00	0.03	0.280	O	|	|	|	|	1.00
155.500	0.00	0.03	0.280	O	|	|	|	|	1.00
155.667	0.00	0.03	0.280	O	|	|	|	|	1.00
155.833	0.00	0.03	0.279	O	|	|	|	|	1.00
156.000	0.00	0.03	0.279	O	|	|	|	|	1.00
156.167	0.00	0.03	0.279	O	|	|	|	|	1.00
156.333	0.00	0.03	0.278	O	|	|	|	|	1.00
156.500	0.00	0.03	0.278	O	|	|	|	|	0.99
156.667	0.00	0.03	0.277	O	|	|	|	|	0.99
156.833	0.00	0.03	0.277	O	|	|	|	|	0.99
157.000	0.00	0.03	0.277	O	|	|	|	|	0.99
157.167	0.00	0.03	0.276	O	|	|	|	|	0.99
157.333	0.00	0.03	0.276	O	|	|	|	|	0.99
157.500	0.00	0.03	0.276	O	|	|	|	|	0.99
157.667	0.00	0.03	0.275	O	|	|	|	|	0.99
157.833	0.00	0.03	0.275	O	|	|	|	|	0.98
158.000	0.00	0.03	0.274	O	|	|	|	|	0.98
158.167	0.00	0.03	0.274	O	|	|	|	|	0.98
158.333	0.00	0.03	0.274	O	|	|	|	|	0.98
158.500	0.00	0.03	0.273	O	|	|	|	|	0.98

158.667	0.00	0.03	0.273	O	|	|	|	|	0.98
158.833	0.00	0.03	0.273	O	|	|	|	|	0.98
159.000	0.00	0.03	0.272	O	|	|	|	|	0.97
159.167	0.00	0.03	0.272	O	|	|	|	|	0.97
159.333	0.00	0.03	0.271	O	|	|	|	|	0.97
159.500	0.00	0.03	0.271	O	|	|	|	|	0.97
159.667	0.00	0.03	0.271	O	|	|	|	|	0.97
159.833	0.00	0.03	0.270	O	|	|	|	|	0.97
160.000	0.00	0.03	0.270	O	|	|	|	|	0.97
160.167	0.00	0.03	0.270	O	|	|	|	|	0.97
160.333	0.00	0.03	0.269	O	|	|	|	|	0.96
160.500	0.00	0.03	0.269	O	|	|	|	|	0.96
160.667	0.00	0.03	0.269	O	|	|	|	|	0.96
160.833	0.00	0.03	0.268	O	|	|	|	|	0.96
161.000	0.00	0.03	0.268	O	|	|	|	|	0.96
161.167	0.00	0.03	0.267	O	|	|	|	|	0.96
161.333	0.00	0.03	0.267	O	|	|	|	|	0.96
161.500	0.00	0.03	0.267	O	|	|	|	|	0.95
161.667	0.00	0.03	0.266	O	|	|	|	|	0.95
161.833	0.00	0.03	0.266	O	|	|	|	|	0.95
162.000	0.00	0.03	0.266	O	|	|	|	|	0.95
162.167	0.00	0.03	0.265	O	|	|	|	|	0.95
162.333	0.00	0.03	0.265	O	|	|	|	|	0.95
162.500	0.00	0.03	0.265	O	|	|	|	|	0.95
162.667	0.00	0.03	0.264	O	|	|	|	|	0.95
162.833	0.00	0.03	0.264	O	|	|	|	|	0.94
163.000	0.00	0.03	0.263	O	|	|	|	|	0.94
163.167	0.00	0.03	0.263	O	|	|	|	|	0.94
163.333	0.00	0.03	0.263	O	|	|	|	|	0.94
163.500	0.00	0.03	0.262	O	|	|	|	|	0.94
163.667	0.00	0.03	0.262	O	|	|	|	|	0.94
163.833	0.00	0.03	0.262	O	|	|	|	|	0.94
164.000	0.00	0.03	0.261	O	|	|	|	|	0.94
164.167	0.00	0.03	0.261	O	|	|	|	|	0.93
164.333	0.00	0.03	0.261	O	|	|	|	|	0.93
164.500	0.00	0.03	0.260	O	|	|	|	|	0.93
164.667	0.00	0.03	0.260	O	|	|	|	|	0.93
164.833	0.00	0.03	0.260	O	|	|	|	|	0.93
165.000	0.00	0.03	0.259	O	|	|	|	|	0.93
165.167	0.00	0.03	0.259	O	|	|	|	|	0.93
165.333	0.00	0.03	0.258	O	|	|	|	|	0.93
165.500	0.00	0.03	0.258	O	|	|	|	|	0.92
165.667	0.00	0.03	0.258	O	|	|	|	|	0.92
165.833	0.00	0.03	0.257	O	|	|	|	|	0.92
166.000	0.00	0.03	0.257	O	|	|	|	|	0.92
166.167	0.00	0.03	0.257	O	|	|	|	|	0.92
166.333	0.00	0.03	0.256	O	|	|	|	|	0.92
166.500	0.00	0.03	0.256	O	|	|	|	|	0.92
166.667	0.00	0.03	0.256	O	|	|	|	|	0.92
166.833	0.00	0.03	0.255	O	|	|	|	|	0.91
167.000	0.00	0.03	0.255	O	|	|	|	|	0.91
167.167	0.00	0.03	0.255	O	|	|	|	|	0.91
167.333	0.00	0.03	0.254	O	|	|	|	|	0.91
167.500	0.00	0.03	0.254	O	|	|	|	|	0.91
167.667	0.00	0.03	0.254	O	|	|	|	|	0.91
167.833	0.00	0.03	0.253	O	|	|	|	|	0.91
168.000	0.00	0.02	0.253	O	|	|	|	|	0.91
168.167	0.00	0.02	0.253	O	|	|	|	|	0.90
168.333	0.00	0.02	0.252	O	|	|	|	|	0.90
168.500	0.00	0.02	0.252	O	|	|	|	|	0.90
168.667	0.00	0.02	0.252	O	|	|	|	|	0.90
168.833	0.00	0.02	0.251	O	|	|	|	|	0.90
169.000	0.00	0.02	0.251	O	|	|	|	|	0.90
169.167	0.00	0.02	0.251	O	|	|	|	|	0.90
169.333	0.00	0.02	0.250	O	|	|	|	|	0.90
169.500	0.00	0.02	0.250	O	|	|	|	|	0.89
169.667	0.00	0.02	0.249	O	|	|	|	|	0.89
169.833	0.00	0.02	0.249	O	|	|	|	|	0.89
170.000	0.00	0.02	0.249	O	|	|	|	|	0.89
170.167	0.00	0.02	0.248	O	|	|	|	|	0.89
170.333	0.00	0.02	0.248	O	|	|	|	|	0.89
170.500	0.00	0.02	0.248	O	|	|	|	|	0.89
170.667	0.00	0.02	0.247	O	|	|	|	|	0.89

170.833	0.00	0.02	0.247	O	|	|	|	|	0.88
171.000	0.00	0.02	0.247	O	|	|	|	|	0.88
171.167	0.00	0.02	0.246	O	|	|	|	|	0.88
171.333	0.00	0.02	0.246	O	|	|	|	|	0.88
171.500	0.00	0.02	0.246	O	|	|	|	|	0.88
171.667	0.00	0.02	0.245	O	|	|	|	|	0.88
171.833	0.00	0.02	0.245	O	|	|	|	|	0.88
172.000	0.00	0.02	0.245	O	|	|	|	|	0.88
172.167	0.00	0.02	0.244	O	|	|	|	|	0.88
172.333	0.00	0.02	0.244	O	|	|	|	|	0.87
172.500	0.00	0.02	0.244	O	|	|	|	|	0.87
172.667	0.00	0.02	0.243	O	|	|	|	|	0.87
172.833	0.00	0.02	0.243	O	|	|	|	|	0.87
173.000	0.00	0.02	0.243	O	|	|	|	|	0.87
173.167	0.00	0.02	0.242	O	|	|	|	|	0.87
173.333	0.00	0.02	0.242	O	|	|	|	|	0.87
173.500	0.00	0.02	0.242	O	|	|	|	|	0.87
173.667	0.00	0.02	0.241	O	|	|	|	|	0.86
173.833	0.00	0.02	0.241	O	|	|	|	|	0.86
174.000	0.00	0.02	0.241	O	|	|	|	|	0.86
174.167	0.00	0.02	0.240	O	|	|	|	|	0.86
174.333	0.00	0.02	0.240	O	|	|	|	|	0.86
174.500	0.00	0.02	0.240	O	|	|	|	|	0.86
174.667	0.00	0.02	0.240	O	|	|	|	|	0.86
174.833	0.00	0.02	0.239	O	|	|	|	|	0.86
175.000	0.00	0.02	0.239	O	|	|	|	|	0.86
175.167	0.00	0.02	0.239	O	|	|	|	|	0.85
175.333	0.00	0.02	0.238	O	|	|	|	|	0.85
175.500	0.00	0.02	0.238	O	|	|	|	|	0.85
175.667	0.00	0.02	0.238	O	|	|	|	|	0.85
175.833	0.00	0.02	0.237	O	|	|	|	|	0.85
176.000	0.00	0.02	0.237	O	|	|	|	|	0.85
176.167	0.00	0.02	0.237	O	|	|	|	|	0.85
176.333	0.00	0.02	0.236	O	|	|	|	|	0.85
176.500	0.00	0.02	0.236	O	|	|	|	|	0.84
176.667	0.00	0.02	0.236	O	|	|	|	|	0.84
176.833	0.00	0.02	0.235	O	|	|	|	|	0.84
177.000	0.00	0.02	0.235	O	|	|	|	|	0.84
177.167	0.00	0.02	0.235	O	|	|	|	|	0.84
177.333	0.00	0.02	0.234	O	|	|	|	|	0.84
177.500	0.00	0.02	0.234	O	|	|	|	|	0.84
177.667	0.00	0.02	0.234	O	|	|	|	|	0.84
177.833	0.00	0.02	0.233	O	|	|	|	|	0.84
178.000	0.00	0.02	0.233	O	|	|	|	|	0.83
178.167	0.00	0.02	0.233	O	|	|	|	|	0.83
178.333	0.00	0.02	0.232	O	|	|	|	|	0.83
178.500	0.00	0.02	0.232	O	|	|	|	|	0.83
178.667	0.00	0.02	0.232	O	|	|	|	|	0.83
178.833	0.00	0.02	0.231	O	|	|	|	|	0.83
179.000	0.00	0.02	0.231	O	|	|	|	|	0.83
179.167	0.00	0.02	0.231	O	|	|	|	|	0.83
179.333	0.00	0.02	0.231	O	|	|	|	|	0.83
179.500	0.00	0.02	0.230	O	|	|	|	|	0.82
179.667	0.00	0.02	0.230	O	|	|	|	|	0.82
179.833	0.00	0.02	0.230	O	|	|	|	|	0.82
180.000	0.00	0.02	0.229	O	|	|	|	|	0.82
180.167	0.00	0.02	0.229	O	|	|	|	|	0.82
180.333	0.00	0.02	0.229	O	|	|	|	|	0.82
180.500	0.00	0.02	0.228	O	|	|	|	|	0.82
180.667	0.00	0.02	0.228	O	|	|	|	|	0.82
180.833	0.00	0.02	0.228	O	|	|	|	|	0.82
181.000	0.00	0.02	0.227	O	|	|	|	|	0.81
181.167	0.00	0.02	0.227	O	|	|	|	|	0.81
181.333	0.00	0.02	0.227	O	|	|	|	|	0.81
181.500	0.00	0.02	0.227	O	|	|	|	|	0.81
181.667	0.00	0.02	0.226	O	|	|	|	|	0.81
181.833	0.00	0.02	0.226	O	|	|	|	|	0.81
182.000	0.00	0.02	0.226	O	|	|	|	|	0.81
182.167	0.00	0.02	0.225	O	|	|	|	|	0.81
182.333	0.00	0.02	0.225	O	|	|	|	|	0.81
182.500	0.00	0.02	0.225	O	|	|	|	|	0.80
182.667	0.00	0.02	0.224	O	|	|	|	|	0.80
182.833	0.00	0.02	0.224	O	|	|	|	|	0.80

183.000	0.00	0.02	0.224	O					0.80
183.167	0.00	0.02	0.223	O					0.80
183.333	0.00	0.02	0.223	O					0.80
183.500	0.00	0.02	0.223	O					0.80
183.667	0.00	0.02	0.223	O					0.80
183.833	0.00	0.02	0.222	O					0.80
184.000	0.00	0.02	0.222	O					0.79
184.167	0.00	0.02	0.222	O					0.79
184.333	0.00	0.02	0.221	O					0.79
184.500	0.00	0.02	0.221	O					0.79
184.667	0.00	0.02	0.221	O					0.79
184.833	0.00	0.02	0.220	O					0.79
185.000	0.00	0.02	0.220	O					0.79
185.167	0.00	0.02	0.220	O					0.79
185.333	0.00	0.02	0.220	O					0.79
185.500	0.00	0.02	0.219	O					0.78
185.667	0.00	0.02	0.219	O					0.78
185.833	0.00	0.02	0.219	O					0.78
186.000	0.00	0.02	0.218	O					0.78
186.167	0.00	0.02	0.218	O					0.78
186.333	0.00	0.02	0.218	O					0.78
186.500	0.00	0.02	0.217	O					0.78
186.667	0.00	0.02	0.217	O					0.78
186.833	0.00	0.02	0.217	O					0.78
187.000	0.00	0.02	0.217	O					0.78
187.167	0.00	0.02	0.216	O					0.77
187.333	0.00	0.02	0.216	O					0.77
187.500	0.00	0.02	0.216	O					0.77
187.667	0.00	0.02	0.215	O					0.77
187.833	0.00	0.02	0.215	O					0.77
188.000	0.00	0.02	0.215	O					0.77
188.167	0.00	0.02	0.215	O					0.77
188.333	0.00	0.02	0.214	O					0.77
188.500	0.00	0.02	0.214	O					0.77
188.667	0.00	0.02	0.214	O					0.76
188.833	0.00	0.02	0.213	O					0.76
189.000	0.00	0.02	0.213	O					0.76
189.167	0.00	0.02	0.213	O					0.76
189.333	0.00	0.02	0.212	O					0.76
189.500	0.00	0.02	0.212	O					0.76
189.667	0.00	0.02	0.212	O					0.76
189.833	0.00	0.02	0.212	O					0.76
190.000	0.00	0.02	0.211	O					0.76
190.167	0.00	0.02	0.211	O					0.76
190.333	0.00	0.02	0.211	O					0.75
190.500	0.00	0.02	0.210	O					0.75
190.667	0.00	0.02	0.210	O					0.75
190.833	0.00	0.02	0.210	O					0.75
191.000	0.00	0.02	0.210	O					0.75
191.167	0.00	0.02	0.209	O					0.75
191.333	0.00	0.02	0.209	O					0.75
191.500	0.00	0.02	0.209	O					0.75
191.667	0.00	0.02	0.208	O					0.75
191.833	0.00	0.02	0.208	O					0.75
192.000	0.00	0.02	0.208	O					0.74
192.167	0.00	0.02	0.208	O					0.74
192.333	0.00	0.02	0.207	O					0.74
192.500	0.00	0.02	0.207	O					0.74
192.667	0.00	0.02	0.207	O					0.74
192.833	0.00	0.02	0.207	O					0.74
193.000	0.00	0.02	0.206	O					0.74
193.167	0.00	0.02	0.206	O					0.74
193.333	0.00	0.02	0.206	O					0.74
193.500	0.00	0.02	0.205	O					0.74
193.667	0.00	0.02	0.205	O					0.73
193.833	0.00	0.02	0.205	O					0.73
194.000	0.00	0.02	0.205	O					0.73
194.167	0.00	0.02	0.204	O					0.73
194.333	0.00	0.02	0.204	O					0.73
194.500	0.00	0.02	0.204	O					0.73
194.667	0.00	0.02	0.203	O					0.73
194.833	0.00	0.02	0.203	O					0.73
195.000	0.00	0.02	0.203	O					0.73

195.167	0.00	0.02	0.203	O	|	|	|	|	0.73
195.333	0.00	0.02	0.202	O	|	|	|	|	0.72
195.500	0.00	0.02	0.202	O	|	|	|	|	0.72
195.667	0.00	0.02	0.202	O	|	|	|	|	0.72
195.833	0.00	0.02	0.202	O	|	|	|	|	0.72
196.000	0.00	0.02	0.201	O	|	|	|	|	0.72
196.167	0.00	0.02	0.201	O	|	|	|	|	0.72
196.333	0.00	0.02	0.201	O	|	|	|	|	0.72
196.500	0.00	0.02	0.200	O	|	|	|	|	0.72
196.667	0.00	0.02	0.200	O	|	|	|	|	0.72
196.833	0.00	0.02	0.200	O	|	|	|	|	0.72
197.000	0.00	0.02	0.200	O	|	|	|	|	0.71
197.167	0.00	0.02	0.199	O	|	|	|	|	0.71
197.333	0.00	0.02	0.199	O	|	|	|	|	0.71
197.500	0.00	0.02	0.199	O	|	|	|	|	0.71
197.667	0.00	0.02	0.199	O	|	|	|	|	0.71
197.833	0.00	0.02	0.198	O	|	|	|	|	0.71
198.000	0.00	0.02	0.198	O	|	|	|	|	0.71
198.167	0.00	0.02	0.198	O	|	|	|	|	0.71
198.333	0.00	0.02	0.197	O	|	|	|	|	0.71
198.500	0.00	0.02	0.197	O	|	|	|	|	0.71
198.667	0.00	0.02	0.197	O	|	|	|	|	0.70
198.833	0.00	0.02	0.197	O	|	|	|	|	0.70
199.000	0.00	0.02	0.196	O	|	|	|	|	0.70
199.167	0.00	0.02	0.196	O	|	|	|	|	0.70
199.333	0.00	0.02	0.196	O	|	|	|	|	0.70
199.500	0.00	0.02	0.196	O	|	|	|	|	0.70
199.667	0.00	0.02	0.195	O	|	|	|	|	0.70
199.833	0.00	0.02	0.195	O	|	|	|	|	0.70
200.000	0.00	0.02	0.195	O	|	|	|	|	0.70
200.167	0.00	0.02	0.195	O	|	|	|	|	0.70
200.333	0.00	0.02	0.194	O	|	|	|	|	0.70
200.500	0.00	0.02	0.194	O	|	|	|	|	0.69
200.667	0.00	0.02	0.194	O	|	|	|	|	0.69
200.833	0.00	0.02	0.193	O	|	|	|	|	0.69
201.000	0.00	0.02	0.193	O	|	|	|	|	0.69
201.167	0.00	0.02	0.193	O	|	|	|	|	0.69
201.333	0.00	0.02	0.193	O	|	|	|	|	0.69
201.500	0.00	0.02	0.192	O	|	|	|	|	0.69
201.667	0.00	0.02	0.192	O	|	|	|	|	0.69
201.833	0.00	0.02	0.192	O	|	|	|	|	0.69
202.000	0.00	0.02	0.192	O	|	|	|	|	0.69
202.167	0.00	0.02	0.191	O	|	|	|	|	0.69
202.333	0.00	0.02	0.191	O	|	|	|	|	0.68
202.500	0.00	0.02	0.191	O	|	|	|	|	0.68
202.667	0.00	0.02	0.191	O	|	|	|	|	0.68
202.833	0.00	0.02	0.190	O	|	|	|	|	0.68
203.000	0.00	0.02	0.190	O	|	|	|	|	0.68
203.167	0.00	0.02	0.190	O	|	|	|	|	0.68
203.333	0.00	0.02	0.190	O	|	|	|	|	0.68
203.500	0.00	0.02	0.189	O	|	|	|	|	0.68
203.667	0.00	0.02	0.189	O	|	|	|	|	0.68
203.833	0.00	0.02	0.189	O	|	|	|	|	0.68
204.000	0.00	0.02	0.189	O	|	|	|	|	0.67
204.167	0.00	0.02	0.188	O	|	|	|	|	0.67
204.333	0.00	0.02	0.188	O	|	|	|	|	0.67
204.500	0.00	0.02	0.188	O	|	|	|	|	0.67
204.667	0.00	0.02	0.187	O	|	|	|	|	0.67
204.833	0.00	0.02	0.187	O	|	|	|	|	0.67
205.000	0.00	0.02	0.187	O	|	|	|	|	0.67
205.167	0.00	0.02	0.187	O	|	|	|	|	0.67
205.333	0.00	0.02	0.186	O	|	|	|	|	0.67
205.500	0.00	0.02	0.186	O	|	|	|	|	0.67
205.667	0.00	0.02	0.186	O	|	|	|	|	0.67
205.833	0.00	0.02	0.186	O	|	|	|	|	0.66
206.000	0.00	0.02	0.185	O	|	|	|	|	0.66
206.167	0.00	0.02	0.185	O	|	|	|	|	0.66
206.333	0.00	0.02	0.185	O	|	|	|	|	0.66
206.500	0.00	0.02	0.185	O	|	|	|	|	0.66
206.667	0.00	0.02	0.184	O	|	|	|	|	0.66
206.833	0.00	0.02	0.184	O	|	|	|	|	0.66
207.000	0.00	0.02	0.184	O	|	|	|	|	0.66
207.167	0.00	0.02	0.184	O	|	|	|	|	0.66

207.333	0.00	0.02	0.183	O					0.66
207.500	0.00	0.02	0.183	O					0.66
207.667	0.00	0.02	0.183	O					0.66
207.833	0.00	0.02	0.183	O					0.65
208.000	0.00	0.02	0.182	O					0.65
208.167	0.00	0.02	0.182	O					0.65
208.333	0.00	0.02	0.182	O					0.65
208.500	0.00	0.02	0.182	O					0.65
208.667	0.00	0.02	0.181	O					0.65
208.833	0.00	0.02	0.181	O					0.65
209.000	0.00	0.02	0.181	O					0.65
209.167	0.00	0.02	0.181	O					0.65
209.333	0.00	0.02	0.180	O					0.65
209.500	0.00	0.02	0.180	O					0.65
209.667	0.00	0.02	0.180	O					0.64
209.833	0.00	0.02	0.180	O					0.64
210.000	0.00	0.02	0.180	O					0.64
210.167	0.00	0.02	0.179	O					0.64
210.333	0.00	0.02	0.179	O					0.64
210.500	0.00	0.02	0.179	O					0.64
210.667	0.00	0.02	0.179	O					0.64
210.833	0.00	0.02	0.178	O					0.64
211.000	0.00	0.02	0.178	O					0.64
211.167	0.00	0.02	0.178	O					0.64
211.333	0.00	0.02	0.178	O					0.64
211.500	0.00	0.02	0.177	O					0.63
211.667	0.00	0.02	0.177	O					0.63
211.833	0.00	0.02	0.177	O					0.63
212.000	0.00	0.02	0.177	O					0.63
212.167	0.00	0.02	0.176	O					0.63
212.333	0.00	0.02	0.176	O					0.63
212.500	0.00	0.02	0.176	O					0.63
212.667	0.00	0.02	0.176	O					0.63
212.833	0.00	0.02	0.175	O					0.63
213.000	0.00	0.02	0.175	O					0.63
213.167	0.00	0.02	0.175	O					0.63
213.333	0.00	0.02	0.175	O					0.63
213.500	0.00	0.02	0.174	O					0.62
213.667	0.00	0.02	0.174	O					0.62
213.833	0.00	0.02	0.174	O					0.62
214.000	0.00	0.02	0.174	O					0.62
214.167	0.00	0.02	0.173	O					0.62
214.333	0.00	0.02	0.173	O					0.62
214.500	0.00	0.02	0.173	O					0.62
214.667	0.00	0.02	0.173	O					0.62
214.833	0.00	0.02	0.173	O					0.62
215.000	0.00	0.02	0.172	O					0.62
215.167	0.00	0.02	0.172	O					0.62
215.333	0.00	0.02	0.172	O					0.62
215.500	0.00	0.02	0.172	O					0.61
215.667	0.00	0.02	0.171	O					0.61
215.833	0.00	0.02	0.171	O					0.61
216.000	0.00	0.02	0.171	O					0.61
216.167	0.00	0.02	0.171	O					0.61
216.333	0.00	0.02	0.170	O					0.61
216.500	0.00	0.02	0.170	O					0.61
216.667	0.00	0.02	0.170	O					0.61
216.833	0.00	0.02	0.170	O					0.61
217.000	0.00	0.02	0.170	O					0.61
217.167	0.00	0.02	0.169	O					0.61
217.333	0.00	0.02	0.169	O					0.61
217.500	0.00	0.02	0.169	O					0.60
217.667	0.00	0.02	0.169	O					0.60
217.833	0.00	0.02	0.168	O					0.60
218.000	0.00	0.02	0.168	O					0.60
218.167	0.00	0.02	0.168	O					0.60
218.333	0.00	0.02	0.168	O					0.60
218.500	0.00	0.02	0.167	O					0.60
218.667	0.00	0.02	0.167	O					0.60
218.833	0.00	0.02	0.167	O					0.60
219.000	0.00	0.02	0.167	O					0.60
219.167	0.00	0.02	0.167	O					0.60
219.333	0.00	0.02	0.166	O					0.60

219.500	0.00	0.02	0.166	O	|	|	|	|	0.59
219.667	0.00	0.02	0.166	O	|	|	|	|	0.59
219.833	0.00	0.02	0.166	O	|	|	|	|	0.59
220.000	0.00	0.02	0.165	O	|	|	|	|	0.59
220.167	0.00	0.02	0.165	O	|	|	|	|	0.59
220.333	0.00	0.02	0.165	O	|	|	|	|	0.59
220.500	0.00	0.02	0.165	O	|	|	|	|	0.59
220.667	0.00	0.02	0.165	O	|	|	|	|	0.59
220.833	0.00	0.02	0.164	O	|	|	|	|	0.59
221.000	0.00	0.02	0.164	O	|	|	|	|	0.59
221.167	0.00	0.02	0.164	O	|	|	|	|	0.59
221.333	0.00	0.02	0.164	O	|	|	|	|	0.59
221.500	0.00	0.02	0.163	O	|	|	|	|	0.59
221.667	0.00	0.02	0.163	O	|	|	|	|	0.58
221.833	0.00	0.02	0.163	O	|	|	|	|	0.58
222.000	0.00	0.02	0.163	O	|	|	|	|	0.58
222.167	0.00	0.02	0.163	O	|	|	|	|	0.58
222.333	0.00	0.02	0.162	O	|	|	|	|	0.58
222.500	0.00	0.02	0.162	O	|	|	|	|	0.58
222.667	0.00	0.02	0.162	O	|	|	|	|	0.58
222.833	0.00	0.02	0.162	O	|	|	|	|	0.58
223.000	0.00	0.02	0.161	O	|	|	|	|	0.58
223.167	0.00	0.02	0.161	O	|	|	|	|	0.58
223.333	0.00	0.02	0.161	O	|	|	|	|	0.58
223.500	0.00	0.02	0.161	O	|	|	|	|	0.58
223.667	0.00	0.02	0.161	O	|	|	|	|	0.57
223.833	0.00	0.02	0.160	O	|	|	|	|	0.57
224.000	0.00	0.02	0.160	O	|	|	|	|	0.57
224.167	0.00	0.02	0.160	O	|	|	|	|	0.57
224.333	0.00	0.02	0.160	O	|	|	|	|	0.57
224.500	0.00	0.02	0.159	O	|	|	|	|	0.57
224.667	0.00	0.02	0.159	O	|	|	|	|	0.57
224.833	0.00	0.02	0.159	O	|	|	|	|	0.57
225.000	0.00	0.02	0.159	O	|	|	|	|	0.57
225.167	0.00	0.02	0.159	O	|	|	|	|	0.57
225.333	0.00	0.02	0.158	O	|	|	|	|	0.57
225.500	0.00	0.02	0.158	O	|	|	|	|	0.57
225.667	0.00	0.02	0.158	O	|	|	|	|	0.57
225.833	0.00	0.02	0.158	O	|	|	|	|	0.56
226.000	0.00	0.02	0.158	O	|	|	|	|	0.56
226.167	0.00	0.02	0.157	O	|	|	|	|	0.56
226.333	0.00	0.02	0.157	O	|	|	|	|	0.56
226.500	0.00	0.02	0.157	O	|	|	|	|	0.56
226.667	0.00	0.02	0.157	O	|	|	|	|	0.56
226.833	0.00	0.02	0.156	O	|	|	|	|	0.56
227.000	0.00	0.02	0.156	O	|	|	|	|	0.56
227.167	0.00	0.02	0.156	O	|	|	|	|	0.56
227.333	0.00	0.02	0.156	O	|	|	|	|	0.56
227.500	0.00	0.02	0.156	O	|	|	|	|	0.56
227.667	0.00	0.02	0.155	O	|	|	|	|	0.56
227.833	0.00	0.02	0.155	O	|	|	|	|	0.56
228.000	0.00	0.02	0.155	O	|	|	|	|	0.55
228.167	0.00	0.02	0.155	O	|	|	|	|	0.55
228.333	0.00	0.02	0.155	O	|	|	|	|	0.55
228.500	0.00	0.02	0.154	O	|	|	|	|	0.55
228.667	0.00	0.02	0.154	O	|	|	|	|	0.55
228.833	0.00	0.02	0.154	O	|	|	|	|	0.55
229.000	0.00	0.02	0.154	O	|	|	|	|	0.55
229.167	0.00	0.02	0.154	O	|	|	|	|	0.55
229.333	0.00	0.02	0.153	O	|	|	|	|	0.55
229.500	0.00	0.02	0.153	O	|	|	|	|	0.55
229.667	0.00	0.02	0.153	O	|	|	|	|	0.55
229.833	0.00	0.02	0.153	O	|	|	|	|	0.55
230.000	0.00	0.02	0.152	O	|	|	|	|	0.55
230.167	0.00	0.02	0.152	O	|	|	|	|	0.55
230.333	0.00	0.02	0.152	O	|	|	|	|	0.54
230.500	0.00	0.01	0.152	O	|	|	|	|	0.54
230.667	0.00	0.01	0.152	O	|	|	|	|	0.54
230.833	0.00	0.01	0.151	O	|	|	|	|	0.54
231.000	0.00	0.01	0.151	O	|	|	|	|	0.54
231.167	0.00	0.01	0.151	O	|	|	|	|	0.54
231.333	0.00	0.01	0.151	O	|	|	|	|	0.54
231.500	0.00	0.01	0.151	O	|	|	|	|	0.54

231.667	0.00	0.01	0.150	O				0.54
231.833	0.00	0.01	0.150	O				0.54
232.000	0.00	0.01	0.150	O				0.54
232.167	0.00	0.01	0.150	O				0.54
232.333	0.00	0.01	0.150	O				0.54
232.500	0.00	0.01	0.149	O				0.53
232.667	0.00	0.01	0.149	O				0.53
232.833	0.00	0.01	0.149	O				0.53
233.000	0.00	0.01	0.149	O				0.53
233.167	0.00	0.01	0.149	O				0.53
233.333	0.00	0.01	0.148	O				0.53
233.500	0.00	0.01	0.148	O				0.53
233.667	0.00	0.01	0.148	O				0.53
233.833	0.00	0.01	0.148	O				0.53
234.000	0.00	0.01	0.148	O				0.53
234.167	0.00	0.01	0.147	O				0.53
234.333	0.00	0.01	0.147	O				0.53
234.500	0.00	0.01	0.147	O				0.53
234.667	0.00	0.01	0.147	O				0.53
234.833	0.00	0.01	0.147	O				0.52
235.000	0.00	0.01	0.146	O				0.52
235.167	0.00	0.01	0.146	O				0.52
235.333	0.00	0.01	0.146	O				0.52
235.500	0.00	0.01	0.146	O				0.52
235.667	0.00	0.01	0.146	O				0.52
235.833	0.00	0.01	0.145	O				0.52
236.000	0.00	0.01	0.145	O				0.52
236.167	0.00	0.01	0.145	O				0.52
236.333	0.00	0.01	0.145	O				0.52
236.500	0.00	0.01	0.145	O				0.52
236.667	0.00	0.01	0.144	O				0.52
236.833	0.00	0.01	0.144	O				0.52
237.000	0.00	0.01	0.144	O				0.52
237.167	0.00	0.01	0.144	O				0.51
237.333	0.00	0.01	0.144	O				0.51
237.500	0.00	0.01	0.143	O				0.51
237.667	0.00	0.01	0.143	O				0.51
237.833	0.00	0.01	0.143	O				0.51
238.000	0.00	0.01	0.143	O				0.51
238.167	0.00	0.01	0.143	O				0.51
238.333	0.00	0.01	0.142	O				0.51
238.500	0.00	0.01	0.142	O				0.51
238.667	0.00	0.01	0.142	O				0.51
238.833	0.00	0.01	0.142	O				0.51
239.000	0.00	0.01	0.142	O				0.51
239.167	0.00	0.01	0.141	O				0.51
239.333	0.00	0.01	0.141	O				0.51
239.500	0.00	0.01	0.141	O				0.51
239.667	0.00	0.01	0.141	O				0.50
239.833	0.00	0.01	0.141	O				0.50
240.000	0.00	0.01	0.141	O				0.50
240.167	0.00	0.01	0.140	O				0.50
240.333	0.00	0.01	0.140	O				0.50
240.500	0.00	0.01	0.140	O				0.50
240.667	0.00	0.01	0.140	O				0.50
240.833	0.00	0.01	0.140	O				0.50
241.000	0.00	0.01	0.139	O				0.50
241.167	0.00	0.01	0.139	O				0.50
241.333	0.00	0.01	0.139	O				0.50
241.500	0.00	0.01	0.139	O				0.50
241.667	0.00	0.01	0.139	O				0.50
241.833	0.00	0.01	0.138	O				0.50
242.000	0.00	0.01	0.138	O				0.49
242.167	0.00	0.01	0.138	O				0.49
242.333	0.00	0.01	0.138	O				0.49
242.500	0.00	0.01	0.138	O				0.49
242.667	0.00	0.01	0.137	O				0.49
242.833	0.00	0.01	0.137	O				0.49
243.000	0.00	0.01	0.137	O				0.49
243.167	0.00	0.01	0.137	O				0.49
243.333	0.00	0.01	0.137	O				0.49
243.500	0.00	0.01	0.137	O				0.49
243.667	0.00	0.01	0.136	O				0.49

243.833	0.00	0.01	0.136	O	|	|	|	|	0.49
244.000	0.00	0.01	0.136	O	|	|	|	|	0.49
244.167	0.00	0.01	0.136	O	|	|	|	|	0.49
244.333	0.00	0.01	0.136	O	|	|	|	|	0.49
244.500	0.00	0.01	0.135	O	|	|	|	|	0.48
244.667	0.00	0.01	0.135	O	|	|	|	|	0.48
244.833	0.00	0.01	0.135	O	|	|	|	|	0.48
245.000	0.00	0.01	0.135	O	|	|	|	|	0.48
245.167	0.00	0.01	0.135	O	|	|	|	|	0.48
245.333	0.00	0.01	0.135	O	|	|	|	|	0.48
245.500	0.00	0.01	0.134	O	|	|	|	|	0.48
245.667	0.00	0.01	0.134	O	|	|	|	|	0.48
245.833	0.00	0.01	0.134	O	|	|	|	|	0.48
246.000	0.00	0.01	0.134	O	|	|	|	|	0.48
246.167	0.00	0.01	0.134	O	|	|	|	|	0.48
246.333	0.00	0.01	0.133	O	|	|	|	|	0.48
246.500	0.00	0.01	0.133	O	|	|	|	|	0.48
246.667	0.00	0.01	0.133	O	|	|	|	|	0.48
246.833	0.00	0.01	0.133	O	|	|	|	|	0.48
247.000	0.00	0.01	0.133	O	|	|	|	|	0.48
247.167	0.00	0.01	0.133	O	|	|	|	|	0.47
247.333	0.00	0.01	0.132	O	|	|	|	|	0.47
247.500	0.00	0.01	0.132	O	|	|	|	|	0.47
247.667	0.00	0.01	0.132	O	|	|	|	|	0.47
247.833	0.00	0.01	0.132	O	|	|	|	|	0.47
248.000	0.00	0.01	0.132	O	|	|	|	|	0.47
248.167	0.00	0.01	0.131	O	|	|	|	|	0.47
248.333	0.00	0.01	0.131	O	|	|	|	|	0.47
248.500	0.00	0.01	0.131	O	|	|	|	|	0.47
248.667	0.00	0.01	0.131	O	|	|	|	|	0.47
248.833	0.00	0.01	0.131	O	|	|	|	|	0.47
249.000	0.00	0.01	0.131	O	|	|	|	|	0.47
249.167	0.00	0.01	0.130	O	|	|	|	|	0.47
249.333	0.00	0.01	0.130	O	|	|	|	|	0.47
249.500	0.00	0.01	0.130	O	|	|	|	|	0.47
249.667	0.00	0.01	0.130	O	|	|	|	|	0.46
249.833	0.00	0.01	0.130	O	|	|	|	|	0.46
250.000	0.00	0.01	0.130	O	|	|	|	|	0.46
250.167	0.00	0.01	0.129	O	|	|	|	|	0.46
250.333	0.00	0.01	0.129	O	|	|	|	|	0.46
250.500	0.00	0.01	0.129	O	|	|	|	|	0.46
250.667	0.00	0.01	0.129	O	|	|	|	|	0.46
250.833	0.00	0.01	0.129	O	|	|	|	|	0.46
251.000	0.00	0.01	0.128	O	|	|	|	|	0.46
251.167	0.00	0.01	0.128	O	|	|	|	|	0.46
251.333	0.00	0.01	0.128	O	|	|	|	|	0.46
251.500	0.00	0.01	0.128	O	|	|	|	|	0.46
251.667	0.00	0.01	0.128	O	|	|	|	|	0.46
251.833	0.00	0.01	0.128	O	|	|	|	|	0.46
252.000	0.00	0.01	0.127	O	|	|	|	|	0.46
252.167	0.00	0.01	0.127	O	|	|	|	|	0.46
252.333	0.00	0.01	0.127	O	|	|	|	|	0.45
252.500	0.00	0.01	0.127	O	|	|	|	|	0.45
252.667	0.00	0.01	0.127	O	|	|	|	|	0.45
252.833	0.00	0.01	0.127	O	|	|	|	|	0.45
253.000	0.00	0.01	0.126	O	|	|	|	|	0.45
253.167	0.00	0.01	0.126	O	|	|	|	|	0.45
253.333	0.00	0.01	0.126	O	|	|	|	|	0.45
253.500	0.00	0.01	0.126	O	|	|	|	|	0.45
253.667	0.00	0.01	0.126	O	|	|	|	|	0.45
253.833	0.00	0.01	0.126	O	|	|	|	|	0.45
254.000	0.00	0.01	0.125	O	|	|	|	|	0.45
254.167	0.00	0.01	0.125	O	|	|	|	|	0.45
254.333	0.00	0.01	0.125	O	|	|	|	|	0.45
254.500	0.00	0.01	0.125	O	|	|	|	|	0.45
254.667	0.00	0.01	0.125	O	|	|	|	|	0.45
254.833	0.00	0.01	0.124	O	|	|	|	|	0.45
255.000	0.00	0.01	0.124	O	|	|	|	|	0.45
255.167	0.00	0.01	0.124	O	|	|	|	|	0.44
255.333	0.00	0.01	0.124	O	|	|	|	|	0.44
255.500	0.00	0.01	0.124	O	|	|	|	|	0.44
255.667	0.00	0.01	0.124	O	|	|	|	|	0.44
255.833	0.00	0.01	0.123	O	|	|	|	|	0.44

256.000	0.00	0.01	0.123	O	|	|	|	|	0.44
256.167	0.00	0.01	0.123	O	|	|	|	|	0.44
256.333	0.00	0.01	0.123	O	|	|	|	|	0.44
256.500	0.00	0.01	0.123	O	|	|	|	|	0.44
256.667	0.00	0.01	0.123	O	|	|	|	|	0.44
256.833	0.00	0.01	0.122	O	|	|	|	|	0.44
257.000	0.00	0.01	0.122	O	|	|	|	|	0.44
257.167	0.00	0.01	0.122	O	|	|	|	|	0.44
257.333	0.00	0.01	0.122	O	|	|	|	|	0.44
257.500	0.00	0.01	0.122	O	|	|	|	|	0.44
257.667	0.00	0.01	0.122	O	|	|	|	|	0.44
257.833	0.00	0.01	0.121	O	|	|	|	|	0.43
258.000	0.00	0.01	0.121	O	|	|	|	|	0.43
258.167	0.00	0.01	0.121	O	|	|	|	|	0.43
258.333	0.00	0.01	0.121	O	|	|	|	|	0.43
258.500	0.00	0.01	0.121	O	|	|	|	|	0.43
258.667	0.00	0.01	0.121	O	|	|	|	|	0.43
258.833	0.00	0.01	0.120	O	|	|	|	|	0.43
259.000	0.00	0.01	0.120	O	|	|	|	|	0.43
259.167	0.00	0.01	0.120	O	|	|	|	|	0.43
259.333	0.00	0.01	0.120	O	|	|	|	|	0.43
259.500	0.00	0.01	0.120	O	|	|	|	|	0.43
259.667	0.00	0.01	0.120	O	|	|	|	|	0.43
259.833	0.00	0.01	0.120	O	|	|	|	|	0.43
260.000	0.00	0.01	0.119	O	|	|	|	|	0.43
260.167	0.00	0.01	0.119	O	|	|	|	|	0.43
260.333	0.00	0.01	0.119	O	|	|	|	|	0.43
260.500	0.00	0.01	0.119	O	|	|	|	|	0.43
260.667	0.00	0.01	0.119	O	|	|	|	|	0.42
260.833	0.00	0.01	0.119	O	|	|	|	|	0.42
261.000	0.00	0.01	0.118	O	|	|	|	|	0.42
261.167	0.00	0.01	0.118	O	|	|	|	|	0.42
261.333	0.00	0.01	0.118	O	|	|	|	|	0.42
261.500	0.00	0.01	0.118	O	|	|	|	|	0.42
261.667	0.00	0.01	0.118	O	|	|	|	|	0.42
261.833	0.00	0.01	0.118	O	|	|	|	|	0.42
262.000	0.00	0.01	0.117	O	|	|	|	|	0.42
262.167	0.00	0.01	0.117	O	|	|	|	|	0.42
262.333	0.00	0.01	0.117	O	|	|	|	|	0.42
262.500	0.00	0.01	0.117	O	|	|	|	|	0.42
262.667	0.00	0.01	0.117	O	|	|	|	|	0.42
262.833	0.00	0.01	0.117	O	|	|	|	|	0.42
263.000	0.00	0.01	0.116	O	|	|	|	|	0.42
263.167	0.00	0.01	0.116	O	|	|	|	|	0.42
263.333	0.00	0.01	0.116	O	|	|	|	|	0.42
263.500	0.00	0.01	0.116	O	|	|	|	|	0.42
263.667	0.00	0.01	0.116	O	|	|	|	|	0.41
263.833	0.00	0.01	0.116	O	|	|	|	|	0.41
264.000	0.00	0.01	0.116	O	|	|	|	|	0.41
264.167	0.00	0.01	0.115	O	|	|	|	|	0.41
264.333	0.00	0.01	0.115	O	|	|	|	|	0.41
264.500	0.00	0.01	0.115	O	|	|	|	|	0.41
264.667	0.00	0.01	0.115	O	|	|	|	|	0.41
264.833	0.00	0.01	0.115	O	|	|	|	|	0.41
265.000	0.00	0.01	0.115	O	|	|	|	|	0.41
265.167	0.00	0.01	0.114	O	|	|	|	|	0.41
265.333	0.00	0.01	0.114	O	|	|	|	|	0.41
265.500	0.00	0.01	0.114	O	|	|	|	|	0.41
265.667	0.00	0.01	0.114	O	|	|	|	|	0.41
265.833	0.00	0.01	0.114	O	|	|	|	|	0.41
266.000	0.00	0.01	0.114	O	|	|	|	|	0.41
266.167	0.00	0.01	0.113	O	|	|	|	|	0.41
266.333	0.00	0.01	0.113	O	|	|	|	|	0.41
266.500	0.00	0.01	0.113	O	|	|	|	|	0.41
266.667	0.00	0.01	0.113	O	|	|	|	|	0.40
266.833	0.00	0.01	0.113	O	|	|	|	|	0.40
267.000	0.00	0.01	0.113	O	|	|	|	|	0.40
267.167	0.00	0.01	0.113	O	|	|	|	|	0.40
267.333	0.00	0.01	0.112	O	|	|	|	|	0.40
267.500	0.00	0.01	0.112	O	|	|	|	|	0.40
267.667	0.00	0.01	0.112	O	|	|	|	|	0.40
267.833	0.00	0.01	0.112	O	|	|	|	|	0.40
268.000	0.00	0.01	0.112	O	|	|	|	|	0.40

268.167	0.00	0.01	0.112	O	|	|	|	|	0.40
268.333	0.00	0.01	0.112	O	|	|	|	|	0.40
268.500	0.00	0.01	0.111	O	|	|	|	|	0.40
268.667	0.00	0.01	0.111	O	|	|	|	|	0.40
268.833	0.00	0.01	0.111	O	|	|	|	|	0.40
269.000	0.00	0.01	0.111	O	|	|	|	|	0.40
269.167	0.00	0.01	0.111	O	|	|	|	|	0.40
269.333	0.00	0.01	0.111	O	|	|	|	|	0.40
269.500	0.00	0.01	0.110	O	|	|	|	|	0.40
269.667	0.00	0.01	0.110	O	|	|	|	|	0.39
269.833	0.00	0.01	0.110	O	|	|	|	|	0.39
270.000	0.00	0.01	0.110	O	|	|	|	|	0.39
270.167	0.00	0.01	0.110	O	|	|	|	|	0.39
270.333	0.00	0.01	0.110	O	|	|	|	|	0.39
270.500	0.00	0.01	0.110	O	|	|	|	|	0.39
270.667	0.00	0.01	0.109	O	|	|	|	|	0.39
270.833	0.00	0.01	0.109	O	|	|	|	|	0.39
271.000	0.00	0.01	0.109	O	|	|	|	|	0.39
271.167	0.00	0.01	0.109	O	|	|	|	|	0.39
271.333	0.00	0.01	0.109	O	|	|	|	|	0.39
271.500	0.00	0.01	0.109	O	|	|	|	|	0.39
271.667	0.00	0.01	0.109	O	|	|	|	|	0.39
271.833	0.00	0.01	0.108	O	|	|	|	|	0.39
272.000	0.00	0.01	0.108	O	|	|	|	|	0.39
272.167	0.00	0.01	0.108	O	|	|	|	|	0.39
272.333	0.00	0.01	0.108	O	|	|	|	|	0.39
272.500	0.00	0.01	0.108	O	|	|	|	|	0.39
272.667	0.00	0.01	0.108	O	|	|	|	|	0.39
272.833	0.00	0.01	0.107	O	|	|	|	|	0.38
273.000	0.00	0.01	0.107	O	|	|	|	|	0.38
273.167	0.00	0.01	0.107	O	|	|	|	|	0.38
273.333	0.00	0.01	0.107	O	|	|	|	|	0.38
273.500	0.00	0.01	0.107	O	|	|	|	|	0.38
273.667	0.00	0.01	0.107	O	|	|	|	|	0.38
273.833	0.00	0.01	0.107	O	|	|	|	|	0.38
274.000	0.00	0.01	0.106	O	|	|	|	|	0.38
274.167	0.00	0.01	0.106	O	|	|	|	|	0.38
274.333	0.00	0.01	0.106	O	|	|	|	|	0.38
274.500	0.00	0.01	0.106	O	|	|	|	|	0.38
274.667	0.00	0.01	0.106	O	|	|	|	|	0.38
274.833	0.00	0.01	0.106	O	|	|	|	|	0.38
275.000	0.00	0.01	0.106	O	|	|	|	|	0.38
275.167	0.00	0.01	0.105	O	|	|	|	|	0.38
275.333	0.00	0.01	0.105	O	|	|	|	|	0.38
275.500	0.00	0.01	0.105	O	|	|	|	|	0.38
275.667	0.00	0.01	0.105	O	|	|	|	|	0.38
275.833	0.00	0.01	0.105	O	|	|	|	|	0.38
276.000	0.00	0.01	0.105	O	|	|	|	|	0.37
276.167	0.00	0.01	0.105	O	|	|	|	|	0.37
276.333	0.00	0.01	0.104	O	|	|	|	|	0.37
276.500	0.00	0.01	0.104	O	|	|	|	|	0.37
276.667	0.00	0.01	0.104	O	|	|	|	|	0.37
276.833	0.00	0.01	0.104	O	|	|	|	|	0.37
277.000	0.00	0.01	0.104	O	|	|	|	|	0.37
277.167	0.00	0.01	0.104	O	|	|	|	|	0.37
277.333	0.00	0.01	0.104	O	|	|	|	|	0.37
277.500	0.00	0.01	0.103	O	|	|	|	|	0.37
277.667	0.00	0.01	0.103	O	|	|	|	|	0.37
277.833	0.00	0.01	0.103	O	|	|	|	|	0.37
278.000	0.00	0.01	0.103	O	|	|	|	|	0.37
278.167	0.00	0.01	0.103	O	|	|	|	|	0.37
278.333	0.00	0.01	0.103	O	|	|	|	|	0.37
278.500	0.00	0.01	0.103	O	|	|	|	|	0.37
278.667	0.00	0.01	0.102	O	|	|	|	|	0.37
278.833	0.00	0.01	0.102	O	|	|	|	|	0.37
279.000	0.00	0.01	0.102	O	|	|	|	|	0.37
279.167	0.00	0.01	0.102	O	|	|	|	|	0.37
279.333	0.00	0.01	0.102	O	|	|	|	|	0.36
279.500	0.00	0.01	0.102	O	|	|	|	|	0.36
279.667	0.00	0.01	0.102	O	|	|	|	|	0.36
279.833	0.00	0.01	0.102	O	|	|	|	|	0.36
280.000	0.00	0.01	0.101	O	|	|	|	|	0.36
280.167	0.00	0.01	0.101	O	|	|	|	|	0.36

280.333	0.00	0.01	0.101	O	|	|	|	|	0.36
280.500	0.00	0.01	0.101	O	|	|	|	|	0.36
280.667	0.00	0.01	0.101	O	|	|	|	|	0.36
280.833	0.00	0.01	0.101	O	|	|	|	|	0.36
281.000	0.00	0.01	0.101	O	|	|	|	|	0.36
281.167	0.00	0.01	0.100	O	|	|	|	|	0.36
281.333	0.00	0.01	0.100	O	|	|	|	|	0.36
281.500	0.00	0.01	0.100	O	|	|	|	|	0.36
281.667	0.00	0.01	0.100	O	|	|	|	|	0.36
281.833	0.00	0.01	0.100	O	|	|	|	|	0.36
282.000	0.00	0.01	0.100	O	|	|	|	|	0.36
282.167	0.00	0.01	0.100	O	|	|	|	|	0.36
282.333	0.00	0.01	0.099	O	|	|	|	|	0.36
282.500	0.00	0.01	0.099	O	|	|	|	|	0.36
282.667	0.00	0.01	0.099	O	|	|	|	|	0.36
282.833	0.00	0.01	0.099	O	|	|	|	|	0.35
283.000	0.00	0.01	0.099	O	|	|	|	|	0.35
283.167	0.00	0.01	0.099	O	|	|	|	|	0.35
283.333	0.00	0.01	0.099	O	|	|	|	|	0.35
283.500	0.00	0.01	0.099	O	|	|	|	|	0.35
283.667	0.00	0.01	0.098	O	|	|	|	|	0.35
283.833	0.00	0.01	0.098	O	|	|	|	|	0.35
284.000	0.00	0.01	0.098	O	|	|	|	|	0.35
284.167	0.00	0.01	0.098	O	|	|	|	|	0.35
284.333	0.00	0.01	0.098	O	|	|	|	|	0.35
284.500	0.00	0.01	0.098	O	|	|	|	|	0.35
284.667	0.00	0.01	0.098	O	|	|	|	|	0.35
284.833	0.00	0.01	0.097	O	|	|	|	|	0.35
285.000	0.00	0.01	0.097	O	|	|	|	|	0.35
285.167	0.00	0.01	0.097	O	|	|	|	|	0.35
285.333	0.00	0.01	0.097	O	|	|	|	|	0.35
285.500	0.00	0.01	0.097	O	|	|	|	|	0.35
285.667	0.00	0.01	0.097	O	|	|	|	|	0.35
285.833	0.00	0.01	0.097	O	|	|	|	|	0.35
286.000	0.00	0.01	0.097	O	|	|	|	|	0.35
286.167	0.00	0.01	0.096	O	|	|	|	|	0.35
286.333	0.00	0.01	0.096	O	|	|	|	|	0.34
286.500	0.00	0.01	0.096	O	|	|	|	|	0.34
286.667	0.00	0.01	0.096	O	|	|	|	|	0.34
286.833	0.00	0.01	0.096	O	|	|	|	|	0.34
287.000	0.00	0.01	0.096	O	|	|	|	|	0.34
287.167	0.00	0.01	0.096	O	|	|	|	|	0.34
287.333	0.00	0.01	0.095	O	|	|	|	|	0.34
287.500	0.00	0.01	0.095	O	|	|	|	|	0.34
287.667	0.00	0.01	0.095	O	|	|	|	|	0.34
287.833	0.00	0.01	0.095	O	|	|	|	|	0.34
288.000	0.00	0.01	0.095	O	|	|	|	|	0.34
288.167	0.00	0.01	0.095	O	|	|	|	|	0.34
288.333	0.00	0.01	0.095	O	|	|	|	|	0.34
288.500	0.00	0.01	0.095	O	|	|	|	|	0.34
288.667	0.00	0.01	0.094	O	|	|	|	|	0.34
288.833	0.00	0.01	0.094	O	|	|	|	|	0.34
289.000	0.00	0.01	0.094	O	|	|	|	|	0.34
289.167	0.00	0.01	0.094	O	|	|	|	|	0.34
289.333	0.00	0.01	0.094	O	|	|	|	|	0.34
289.500	0.00	0.01	0.094	O	|	|	|	|	0.34
289.667	0.00	0.01	0.094	O	|	|	|	|	0.34
289.833	0.00	0.01	0.094	O	|	|	|	|	0.33
290.000	0.00	0.01	0.093	O	|	|	|	|	0.33
290.167	0.00	0.01	0.093	O	|	|	|	|	0.33
290.333	0.00	0.01	0.093	O	|	|	|	|	0.33
290.500	0.00	0.01	0.093	O	|	|	|	|	0.33
290.667	0.00	0.01	0.093	O	|	|	|	|	0.33
290.833	0.00	0.01	0.093	O	|	|	|	|	0.33
291.000	0.00	0.01	0.093	O	|	|	|	|	0.33
291.167	0.00	0.01	0.093	O	|	|	|	|	0.33
291.333	0.00	0.01	0.092	O	|	|	|	|	0.33
291.500	0.00	0.01	0.092	O	|	|	|	|	0.33
291.667	0.00	0.01	0.092	O	|	|	|	|	0.33
291.833	0.00	0.01	0.092	O	|	|	|	|	0.33
292.000	0.00	0.01	0.092	O	|	|	|	|	0.33
292.167	0.00	0.01	0.092	O	|	|	|	|	0.33
292.333	0.00	0.01	0.092	O	|	|	|	|	0.33

292.500	0.00	0.01	0.092	O	|	|	|	|	0.33
292.667	0.00	0.01	0.091	O	|	|	|	|	0.33
292.833	0.00	0.01	0.091	O	|	|	|	|	0.33
293.000	0.00	0.01	0.091	O	|	|	|	|	0.33
293.167	0.00	0.01	0.091	O	|	|	|	|	0.33
293.333	0.00	0.01	0.091	O	|	|	|	|	0.33
293.500	0.00	0.01	0.091	O	|	|	|	|	0.33
293.667	0.00	0.01	0.091	O	|	|	|	|	0.32
293.833	0.00	0.01	0.091	O	|	|	|	|	0.32
294.000	0.00	0.01	0.090	O	|	|	|	|	0.32
294.167	0.00	0.01	0.090	O	|	|	|	|	0.32
294.333	0.00	0.01	0.090	O	|	|	|	|	0.32
294.500	0.00	0.01	0.090	O	|	|	|	|	0.32
294.667	0.00	0.01	0.090	O	|	|	|	|	0.32
294.833	0.00	0.01	0.090	O	|	|	|	|	0.32
295.000	0.00	0.01	0.090	O	|	|	|	|	0.32
295.167	0.00	0.01	0.090	O	|	|	|	|	0.32
295.333	0.00	0.01	0.089	O	|	|	|	|	0.32
295.500	0.00	0.01	0.089	O	|	|	|	|	0.32
295.667	0.00	0.01	0.089	O	|	|	|	|	0.32
295.833	0.00	0.01	0.089	O	|	|	|	|	0.32
296.000	0.00	0.01	0.089	O	|	|	|	|	0.32
296.167	0.00	0.01	0.089	O	|	|	|	|	0.32
296.333	0.00	0.01	0.089	O	|	|	|	|	0.32
296.500	0.00	0.01	0.089	O	|	|	|	|	0.32
296.667	0.00	0.01	0.088	O	|	|	|	|	0.32
296.833	0.00	0.01	0.088	O	|	|	|	|	0.32
297.000	0.00	0.01	0.088	O	|	|	|	|	0.32
297.167	0.00	0.01	0.088	O	|	|	|	|	0.32
297.333	0.00	0.01	0.088	O	|	|	|	|	0.32
297.500	0.00	0.01	0.088	O	|	|	|	|	0.31
297.667	0.00	0.01	0.088	O	|	|	|	|	0.31
297.833	0.00	0.01	0.088	O	|	|	|	|	0.31
298.000	0.00	0.01	0.088	O	|	|	|	|	0.31
298.167	0.00	0.01	0.087	O	|	|	|	|	0.31
298.333	0.00	0.01	0.087	O	|	|	|	|	0.31
298.500	0.00	0.01	0.087	O	|	|	|	|	0.31
298.667	0.00	0.01	0.087	O	|	|	|	|	0.31
298.833	0.00	0.01	0.087	O	|	|	|	|	0.31
299.000	0.00	0.01	0.087	O	|	|	|	|	0.31
299.167	0.00	0.01	0.087	O	|	|	|	|	0.31
299.333	0.00	0.01	0.087	O	|	|	|	|	0.31
299.500	0.00	0.01	0.086	O	|	|	|	|	0.31
299.667	0.00	0.01	0.086	O	|	|	|	|	0.31
299.833	0.00	0.01	0.086	O	|	|	|	|	0.31
300.000	0.00	0.01	0.086	O	|	|	|	|	0.31
300.167	0.00	0.01	0.086	O	|	|	|	|	0.31
300.333	0.00	0.01	0.086	O	|	|	|	|	0.31
300.500	0.00	0.01	0.086	O	|	|	|	|	0.31
300.667	0.00	0.01	0.086	O	|	|	|	|	0.31
300.833	0.00	0.01	0.086	O	|	|	|	|	0.31
301.000	0.00	0.01	0.085	O	|	|	|	|	0.31
301.167	0.00	0.01	0.085	O	|	|	|	|	0.31
301.333	0.00	0.01	0.085	O	|	|	|	|	0.30
301.500	0.00	0.01	0.085	O	|	|	|	|	0.30
301.667	0.00	0.01	0.085	O	|	|	|	|	0.30
301.833	0.00	0.01	0.085	O	|	|	|	|	0.30
302.000	0.00	0.01	0.085	O	|	|	|	|	0.30
302.167	0.00	0.01	0.085	O	|	|	|	|	0.30
302.333	0.00	0.01	0.084	O	|	|	|	|	0.30
302.500	0.00	0.01	0.084	O	|	|	|	|	0.30
302.667	0.00	0.01	0.084	O	|	|	|	|	0.30
302.833	0.00	0.01	0.084	O	|	|	|	|	0.30
303.000	0.00	0.01	0.084	O	|	|	|	|	0.30
303.167	0.00	0.01	0.084	O	|	|	|	|	0.30
303.333	0.00	0.01	0.084	O	|	|	|	|	0.30
303.500	0.00	0.01	0.084	O	|	|	|	|	0.30
303.667	0.00	0.01	0.084	O	|	|	|	|	0.30
303.833	0.00	0.01	0.083	O	|	|	|	|	0.30
304.000	0.00	0.01	0.083	O	|	|	|	|	0.30
304.167	0.00	0.01	0.083	O	|	|	|	|	0.30
304.333	0.00	0.01	0.083	O	|	|	|	|	0.30
304.500	0.00	0.01	0.083	O	|	|	|	|	0.30

304.667	0.00	0.01	0.083	O					0.30
304.833	0.00	0.01	0.083	O					0.30
305.000	0.00	0.01	0.083	O					0.30
305.167	0.00	0.01	0.083	O					0.30
305.333	0.00	0.01	0.082	O					0.30
305.500	0.00	0.01	0.082	O					0.29
305.667	0.00	0.01	0.082	O					0.29
305.833	0.00	0.01	0.082	O					0.29
306.000	0.00	0.01	0.082	O					0.29
306.167	0.00	0.01	0.082	O					0.29
306.333	0.00	0.01	0.082	O					0.29
306.500	0.00	0.01	0.082	O					0.29
306.667	0.00	0.01	0.082	O					0.29
306.833	0.00	0.01	0.081	O					0.29
307.000	0.00	0.01	0.081	O					0.29
307.167	0.00	0.01	0.081	O					0.29
307.333	0.00	0.01	0.081	O					0.29
307.500	0.00	0.01	0.081	O					0.29
307.667	0.00	0.01	0.081	O					0.29
307.833	0.00	0.01	0.081	O					0.29
308.000	0.00	0.01	0.081	O					0.29
308.167	0.00	0.01	0.081	O					0.29
308.333	0.00	0.01	0.080	O					0.29
308.500	0.00	0.01	0.080	O					0.29
308.667	0.00	0.01	0.080	O					0.29
308.833	0.00	0.01	0.080	O					0.29
309.000	0.00	0.01	0.080	O					0.29
309.167	0.00	0.01	0.080	O					0.29
309.333	0.00	0.01	0.080	O					0.29
309.500	0.00	0.01	0.080	O					0.29
309.667	0.00	0.01	0.080	O					0.28
309.833	0.00	0.01	0.079	O					0.28
310.000	0.00	0.01	0.079	O					0.28
310.167	0.00	0.01	0.079	O					0.28
310.333	0.00	0.01	0.079	O					0.28
310.500	0.00	0.01	0.079	O					0.28
310.667	0.00	0.01	0.079	O					0.28
310.833	0.00	0.01	0.079	O					0.28
311.000	0.00	0.01	0.079	O					0.28
311.167	0.00	0.01	0.079	O					0.28
311.333	0.00	0.01	0.078	O					0.28
311.500	0.00	0.01	0.078	O					0.28
311.667	0.00	0.01	0.078	O					0.28
311.833	0.00	0.01	0.078	O					0.28
312.000	0.00	0.01	0.078	O					0.28
312.167	0.00	0.01	0.078	O					0.28
312.333	0.00	0.01	0.078	O					0.28
312.500	0.00	0.01	0.078	O					0.28
312.667	0.00	0.01	0.078	O					0.28
312.833	0.00	0.01	0.078	O					0.28
313.000	0.00	0.01	0.077	O					0.28
313.167	0.00	0.01	0.077	O					0.28
313.333	0.00	0.01	0.077	O					0.28
313.500	0.00	0.01	0.077	O					0.28
313.667	0.00	0.01	0.077	O					0.28
313.833	0.00	0.01	0.077	O					0.28
314.000	0.00	0.01	0.077	O					0.27
314.167	0.00	0.01	0.077	O					0.27
314.333	0.00	0.01	0.077	O					0.27
314.500	0.00	0.01	0.076	O					0.27
314.667	0.00	0.01	0.076	O					0.27
314.833	0.00	0.01	0.076	O					0.27
315.000	0.00	0.01	0.076	O					0.27
315.167	0.00	0.01	0.076	O					0.27
315.333	0.00	0.01	0.076	O					0.27
315.500	0.00	0.01	0.076	O					0.27
315.667	0.00	0.01	0.076	O					0.27
315.833	0.00	0.01	0.076	O					0.27
316.000	0.00	0.01	0.076	O					0.27
316.167	0.00	0.01	0.075	O					0.27
316.333	0.00	0.01	0.075	O					0.27
316.500	0.00	0.01	0.075	O					0.27
316.667	0.00	0.01	0.075	O					0.27

316.833	0.00	0.01	0.075	O					0.27
317.000	0.00	0.01	0.075	O					0.27
317.167	0.00	0.01	0.075	O					0.27
317.333	0.00	0.01	0.075	O					0.27
317.500	0.00	0.01	0.075	O					0.27
317.667	0.00	0.01	0.075	O					0.27
317.833	0.00	0.01	0.074	O					0.27
318.000	0.00	0.01	0.074	O					0.27
318.167	0.00	0.01	0.074	O					0.27
318.333	0.00	0.01	0.074	O					0.27
318.500	0.00	0.01	0.074	O					0.27
318.667	0.00	0.01	0.074	O					0.26
318.833	0.00	0.01	0.074	O					0.26
319.000	0.00	0.01	0.074	O					0.26
319.167	0.00	0.01	0.074	O					0.26
319.333	0.00	0.01	0.074	O					0.26
319.500	0.00	0.01	0.073	O					0.26
319.667	0.00	0.01	0.073	O					0.26
319.833	0.00	0.01	0.073	O					0.26
320.000	0.00	0.01	0.073	O					0.26
320.167	0.00	0.01	0.073	O					0.26
320.333	0.00	0.01	0.073	O					0.26
320.500	0.00	0.01	0.073	O					0.26
320.667	0.00	0.01	0.073	O					0.26
320.833	0.00	0.01	0.073	O					0.26
321.000	0.00	0.01	0.073	O					0.26
321.167	0.00	0.01	0.072	O					0.26
321.333	0.00	0.01	0.072	O					0.26
321.500	0.00	0.01	0.072	O					0.26
321.667	0.00	0.01	0.072	O					0.26
321.833	0.00	0.01	0.072	O					0.26
322.000	0.00	0.01	0.072	O					0.26
322.167	0.00	0.01	0.072	O					0.26
322.333	0.00	0.01	0.072	O					0.26
322.500	0.00	0.01	0.072	O					0.26
322.667	0.00	0.01	0.072	O					0.26
322.833	0.00	0.01	0.071	O					0.26
323.000	0.00	0.01	0.071	O					0.26
323.167	0.00	0.01	0.071	O					0.26
323.333	0.00	0.01	0.071	O					0.25
323.500	0.00	0.01	0.071	O					0.25
323.667	0.00	0.01	0.071	O					0.25
323.833	0.00	0.01	0.071	O					0.25
324.000	0.00	0.01	0.071	O					0.25
324.167	0.00	0.01	0.071	O					0.25
324.333	0.00	0.01	0.071	O					0.25
324.500	0.00	0.01	0.070	O					0.25
324.667	0.00	0.01	0.070	O					0.25
324.833	0.00	0.01	0.070	O					0.25
325.000	0.00	0.01	0.070	O					0.25
325.167	0.00	0.01	0.070	O					0.25
325.333	0.00	0.01	0.070	O					0.25
325.500	0.00	0.01	0.070	O					0.25
325.667	0.00	0.01	0.070	O					0.25
325.833	0.00	0.01	0.070	O					0.25
326.000	0.00	0.01	0.070	O					0.25
326.167	0.00	0.01	0.070	O					0.25
326.333	0.00	0.01	0.069	O					0.25
326.500	0.00	0.01	0.069	O					0.25
326.667	0.00	0.01	0.069	O					0.25
326.833	0.00	0.01	0.069	O					0.25
327.000	0.00	0.01	0.069	O					0.25
327.167	0.00	0.01	0.069	O					0.25
327.333	0.00	0.01	0.069	O					0.25
327.500	0.00	0.01	0.069	O					0.25
327.667	0.00	0.01	0.069	O					0.25
327.833	0.00	0.01	0.069	O					0.25
328.000	0.00	0.01	0.069	O					0.25
328.167	0.00	0.01	0.068	O					0.24
328.333	0.00	0.01	0.068	O					0.24
328.500	0.00	0.01	0.068	O					0.24
328.667	0.00	0.01	0.068	O					0.24
328.833	0.00	0.01	0.068	O					0.24

329.000	0.00	0.01	0.068	O					0.24
329.167	0.00	0.01	0.068	O					0.24
329.333	0.00	0.01	0.068	O					0.24
329.500	0.00	0.01	0.068	O					0.24
329.667	0.00	0.01	0.068	O					0.24
329.833	0.00	0.01	0.067	O					0.24
330.000	0.00	0.01	0.067	O					0.24
330.167	0.00	0.01	0.067	O					0.24
330.333	0.00	0.01	0.067	O					0.24
330.500	0.00	0.01	0.067	O					0.24
330.667	0.00	0.01	0.067	O					0.24
330.833	0.00	0.01	0.067	O					0.24
331.000	0.00	0.01	0.067	O					0.24
331.167	0.00	0.01	0.067	O					0.24
331.333	0.00	0.01	0.067	O					0.24
331.500	0.00	0.01	0.067	O					0.24
331.667	0.00	0.01	0.066	O					0.24
331.833	0.00	0.01	0.066	O					0.24
332.000	0.00	0.01	0.066	O					0.24
332.167	0.00	0.01	0.066	O					0.24
332.333	0.00	0.01	0.066	O					0.24
332.500	0.00	0.01	0.066	O					0.24
332.667	0.00	0.01	0.066	O					0.24
332.833	0.00	0.01	0.066	O					0.24
333.000	0.00	0.01	0.066	O					0.24
333.167	0.00	0.01	0.066	O					0.24
333.333	0.00	0.01	0.066	O					0.23
333.500	0.00	0.01	0.066	O					0.23
333.667	0.00	0.01	0.065	O					0.23
333.833	0.00	0.01	0.065	O					0.23
334.000	0.00	0.01	0.065	O					0.23
334.167	0.00	0.01	0.065	O					0.23
334.333	0.00	0.01	0.065	O					0.23
334.500	0.00	0.01	0.065	O					0.23
334.667	0.00	0.01	0.065	O					0.23
334.833	0.00	0.01	0.065	O					0.23
335.000	0.00	0.01	0.065	O					0.23
335.167	0.00	0.01	0.065	O					0.23
335.333	0.00	0.01	0.065	O					0.23
335.500	0.00	0.01	0.064	O					0.23
335.667	0.00	0.01	0.064	O					0.23
335.833	0.00	0.01	0.064	O					0.23
336.000	0.00	0.01	0.064	O					0.23
336.167	0.00	0.01	0.064	O					0.23
336.333	0.00	0.01	0.064	O					0.23
336.500	0.00	0.01	0.064	O					0.23
336.667	0.00	0.01	0.064	O					0.23
336.833	0.00	0.01	0.064	O					0.23
337.000	0.00	0.01	0.064	O					0.23
337.167	0.00	0.01	0.064	O					0.23
337.333	0.00	0.01	0.063	O					0.23
337.500	0.00	0.01	0.063	O					0.23
337.667	0.00	0.01	0.063	O					0.23
337.833	0.00	0.01	0.063	O					0.23
338.000	0.00	0.01	0.063	O					0.23
338.167	0.00	0.01	0.063	O					0.23
338.333	0.00	0.01	0.063	O					0.23
338.500	0.00	0.01	0.063	O					0.23
338.667	0.00	0.01	0.063	O					0.22
338.833	0.00	0.01	0.063	O					0.22
339.000	0.00	0.01	0.063	O					0.22
339.167	0.00	0.01	0.063	O					0.22
339.333	0.00	0.01	0.062	O					0.22
339.500	0.00	0.01	0.062	O					0.22
339.667	0.00	0.01	0.062	O					0.22
339.833	0.00	0.01	0.062	O					0.22
340.000	0.00	0.01	0.062	O					0.22
340.167	0.00	0.01	0.062	O					0.22
340.333	0.00	0.01	0.062	O					0.22
340.500	0.00	0.01	0.062	O					0.22
340.667	0.00	0.01	0.062	O					0.22
340.833	0.00	0.01	0.062	O					0.22
341.000	0.00	0.01	0.062	O					0.22

341.167	0.00	0.01	0.062	O	|	|	|	|	0.22
341.333	0.00	0.01	0.061	O	|	|	|	|	0.22
341.500	0.00	0.01	0.061	O	|	|	|	|	0.22
341.667	0.00	0.01	0.061	O	|	|	|	|	0.22
341.833	0.00	0.01	0.061	O	|	|	|	|	0.22
342.000	0.00	0.01	0.061	O	|	|	|	|	0.22
342.167	0.00	0.01	0.061	O	|	|	|	|	0.22
342.333	0.00	0.01	0.061	O	|	|	|	|	0.22
342.500	0.00	0.01	0.061	O	|	|	|	|	0.22
342.667	0.00	0.01	0.061	O	|	|	|	|	0.22
342.833	0.00	0.01	0.061	O	|	|	|	|	0.22
343.000	0.00	0.01	0.061	O	|	|	|	|	0.22
343.167	0.00	0.01	0.061	O	|	|	|	|	0.22
343.333	0.00	0.01	0.060	O	|	|	|	|	0.22
343.500	0.00	0.01	0.060	O	|	|	|	|	0.22
343.667	0.00	0.01	0.060	O	|	|	|	|	0.22
343.833	0.00	0.01	0.060	O	|	|	|	|	0.22
344.000	0.00	0.01	0.060	O	|	|	|	|	0.22
344.167	0.00	0.01	0.060	O	|	|	|	|	0.21
344.333	0.00	0.01	0.060	O	|	|	|	|	0.21
344.500	0.00	0.01	0.060	O	|	|	|	|	0.21
344.667	0.00	0.01	0.060	O	|	|	|	|	0.21
344.833	0.00	0.01	0.060	O	|	|	|	|	0.21
345.000	0.00	0.01	0.060	O	|	|	|	|	0.21
345.167	0.00	0.01	0.060	O	|	|	|	|	0.21
345.333	0.00	0.01	0.059	O	|	|	|	|	0.21
345.500	0.00	0.01	0.059	O	|	|	|	|	0.21
345.667	0.00	0.01	0.059	O	|	|	|	|	0.21
345.833	0.00	0.01	0.059	O	|	|	|	|	0.21
346.000	0.00	0.01	0.059	O	|	|	|	|	0.21
346.167	0.00	0.01	0.059	O	|	|	|	|	0.21
346.333	0.00	0.01	0.059	O	|	|	|	|	0.21
346.500	0.00	0.01	0.059	O	|	|	|	|	0.21
346.667	0.00	0.01	0.059	O	|	|	|	|	0.21
346.833	0.00	0.01	0.059	O	|	|	|	|	0.21
347.000	0.00	0.01	0.059	O	|	|	|	|	0.21
347.167	0.00	0.01	0.059	O	|	|	|	|	0.21
347.333	0.00	0.01	0.059	O	|	|	|	|	0.21
347.500	0.00	0.01	0.058	O	|	|	|	|	0.21
347.667	0.00	0.01	0.058	O	|	|	|	|	0.21
347.833	0.00	0.01	0.058	O	|	|	|	|	0.21
348.000	0.00	0.01	0.058	O	|	|	|	|	0.21
348.167	0.00	0.01	0.058	O	|	|	|	|	0.21
348.333	0.00	0.01	0.058	O	|	|	|	|	0.21
348.500	0.00	0.01	0.058	O	|	|	|	|	0.21
348.667	0.00	0.01	0.058	O	|	|	|	|	0.21
348.833	0.00	0.01	0.058	O	|	|	|	|	0.21
349.000	0.00	0.01	0.058	O	|	|	|	|	0.21
349.167	0.00	0.01	0.058	O	|	|	|	|	0.21
349.333	0.00	0.01	0.058	O	|	|	|	|	0.21
349.500	0.00	0.01	0.057	O	|	|	|	|	0.21
349.667	0.00	0.01	0.057	O	|	|	|	|	0.21
349.833	0.00	0.01	0.057	O	|	|	|	|	0.21
350.000	0.00	0.01	0.057	O	|	|	|	|	0.20
350.167	0.00	0.01	0.057	O	|	|	|	|	0.20
350.333	0.00	0.01	0.057	O	|	|	|	|	0.20
350.500	0.00	0.01	0.057	O	|	|	|	|	0.20
350.667	0.00	0.01	0.057	O	|	|	|	|	0.20
350.833	0.00	0.01	0.057	O	|	|	|	|	0.20
351.000	0.00	0.01	0.057	O	|	|	|	|	0.20
351.167	0.00	0.01	0.057	O	|	|	|	|	0.20
351.333	0.00	0.01	0.057	O	|	|	|	|	0.20
351.500	0.00	0.01	0.057	O	|	|	|	|	0.20
351.667	0.00	0.01	0.056	O	|	|	|	|	0.20
351.833	0.00	0.01	0.056	O	|	|	|	|	0.20
352.000	0.00	0.01	0.056	O	|	|	|	|	0.20
352.167	0.00	0.01	0.056	O	|	|	|	|	0.20
352.333	0.00	0.01	0.056	O	|	|	|	|	0.20
352.500	0.00	0.01	0.056	O	|	|	|	|	0.20
352.667	0.00	0.01	0.056	O	|	|	|	|	0.20
352.833	0.00	0.01	0.056	O	|	|	|	|	0.20
353.000	0.00	0.01	0.056	O	|	|	|	|	0.20
353.167	0.00	0.01	0.056	O	|	|	|	|	0.20

353.333	0.00	0.01	0.056	O	|	|	|	0.20
353.500	0.00	0.01	0.056	O	|	|	|	0.20
353.667	0.00	0.01	0.056	O	|	|	|	0.20
353.833	0.00	0.01	0.055	O	|	|	|	0.20
354.000	0.00	0.01	0.055	O	|	|	|	0.20
354.167	0.00	0.01	0.055	O	|	|	|	0.20
354.333	0.00	0.01	0.055	O	|	|	|	0.20
354.500	0.00	0.01	0.055	O	|	|	|	0.20
354.667	0.00	0.01	0.055	O	|	|	|	0.20
354.833	0.00	0.01	0.055	O	|	|	|	0.20
355.000	0.00	0.01	0.055	O	|	|	|	0.20
355.167	0.00	0.01	0.055	O	|	|	|	0.20
355.333	0.00	0.01	0.055	O	|	|	|	0.20
355.500	0.00	0.01	0.055	O	|	|	|	0.20
355.667	0.00	0.01	0.055	O	|	|	|	0.20
355.833	0.00	0.01	0.055	O	|	|	|	0.20
356.000	0.00	0.01	0.055	O	|	|	|	0.20
356.167	0.00	0.01	0.054	O	|	|	|	0.19
356.333	0.00	0.01	0.054	O	|	|	|	0.19
356.500	0.00	0.01	0.054	O	|	|	|	0.19
356.667	0.00	0.01	0.054	O	|	|	|	0.19
356.833	0.00	0.01	0.054	O	|	|	|	0.19
357.000	0.00	0.01	0.054	O	|	|	|	0.19
357.167	0.00	0.01	0.054	O	|	|	|	0.19
357.333	0.00	0.01	0.054	O	|	|	|	0.19
357.500	0.00	0.01	0.054	O	|	|	|	0.19
357.667	0.00	0.01	0.054	O	|	|	|	0.19
357.833	0.00	0.01	0.054	O	|	|	|	0.19
358.000	0.00	0.01	0.054	O	|	|	|	0.19
358.167	0.00	0.01	0.054	O	|	|	|	0.19
358.333	0.00	0.01	0.053	O	|	|	|	0.19
358.500	0.00	0.01	0.053	O	|	|	|	0.19
358.667	0.00	0.01	0.053	O	|	|	|	0.19
358.833	0.00	0.01	0.053	O	|	|	|	0.19
359.000	0.00	0.01	0.053	O	|	|	|	0.19
359.167	0.00	0.01	0.053	O	|	|	|	0.19
359.333	0.00	0.01	0.053	O	|	|	|	0.19
359.500	0.00	0.01	0.053	O	|	|	|	0.19
359.667	0.00	0.01	0.053	O	|	|	|	0.19
359.833	0.00	0.01	0.053	O	|	|	|	0.19
360.000	0.00	0.01	0.053	O	|	|	|	0.19
360.167	0.00	0.01	0.053	O	|	|	|	0.19
360.333	0.00	0.01	0.053	O	|	|	|	0.19
360.500	0.00	0.01	0.053	O	|	|	|	0.19
360.667	0.00	0.01	0.052	O	|	|	|	0.19
360.833	0.00	0.01	0.052	O	|	|	|	0.19
361.000	0.00	0.01	0.052	O	|	|	|	0.19
361.167	0.00	0.01	0.052	O	|	|	|	0.19
361.333	0.00	0.01	0.052	O	|	|	|	0.19
361.500	0.00	0.01	0.052	O	|	|	|	0.19
361.667	0.00	0.01	0.052	O	|	|	|	0.19
361.833	0.00	0.01	0.052	O	|	|	|	0.19
362.000	0.00	0.01	0.052	O	|	|	|	0.19
362.167	0.00	0.01	0.052	O	|	|	|	0.19
362.333	0.00	0.01	0.052	O	|	|	|	0.19
362.500	0.00	0.01	0.052	O	|	|	|	0.19
362.667	0.00	0.01	0.052	O	|	|	|	0.18
362.833	0.00	0.01	0.052	O	|	|	|	0.18
363.000	0.00	0.01	0.051	O	|	|	|	0.18
363.167	0.00	0.01	0.051	O	|	|	|	0.18
363.333	0.00	0.01	0.051	O	|	|	|	0.18
363.500	0.00	0.01	0.051	O	|	|	|	0.18
363.667	0.00	0.01	0.051	O	|	|	|	0.18
363.833	0.00	0.01	0.051	O	|	|	|	0.18
364.000	0.00	0.01	0.051	O	|	|	|	0.18
364.167	0.00	0.01	0.051	O	|	|	|	0.18
364.333	0.00	0.01	0.051	O	|	|	|	0.18
364.500	0.00	0.01	0.051	O	|	|	|	0.18
364.667	0.00	0.01	0.051	O	|	|	|	0.18
364.833	0.00	0.01	0.051	O	|	|	|	0.18
365.000	0.00	0.01	0.051	O	|	|	|	0.18
365.167	0.00	0.00	0.051	O	|	|	|	0.18
365.333	0.00	0.00	0.051	O	|	|	|	0.18

365.500	0.00	0.00	0.050	O					0.18
365.667	0.00	0.00	0.050	O					0.18
365.833	0.00	0.00	0.050	O					0.18
366.000	0.00	0.00	0.050	O					0.18
366.167	0.00	0.00	0.050	O					0.18
366.333	0.00	0.00	0.050	O					0.18
366.500	0.00	0.00	0.050	O					0.18
366.667	0.00	0.00	0.050	O					0.18
366.833	0.00	0.00	0.050	O					0.18
367.000	0.00	0.00	0.050	O					0.18
367.167	0.00	0.00	0.050	O					0.18
367.333	0.00	0.00	0.050	O					0.18
367.500	0.00	0.00	0.050	O					0.18
367.667	0.00	0.00	0.050	O					0.18
367.833	0.00	0.00	0.049	O					0.18
368.000	0.00	0.00	0.049	O					0.18
368.167	0.00	0.00	0.049	O					0.18
368.333	0.00	0.00	0.049	O					0.18
368.500	0.00	0.00	0.049	O					0.18
368.667	0.00	0.00	0.049	O					0.18
368.833	0.00	0.00	0.049	O					0.18
369.000	0.00	0.00	0.049	O					0.18
369.167	0.00	0.00	0.049	O					0.18
369.333	0.00	0.00	0.049	O					0.18
369.500	0.00	0.00	0.049	O					0.17
369.667	0.00	0.00	0.049	O					0.17
369.833	0.00	0.00	0.049	O					0.17
370.000	0.00	0.00	0.049	O					0.17
370.167	0.00	0.00	0.049	O					0.17
370.333	0.00	0.00	0.048	O					0.17
370.500	0.00	0.00	0.048	O					0.17
370.667	0.00	0.00	0.048	O					0.17
370.833	0.00	0.00	0.048	O					0.17
371.000	0.00	0.00	0.048	O					0.17
371.167	0.00	0.00	0.048	O					0.17
371.333	0.00	0.00	0.048	O					0.17
371.500	0.00	0.00	0.048	O					0.17
371.667	0.00	0.00	0.048	O					0.17
371.833	0.00	0.00	0.048	O					0.17
372.000	0.00	0.00	0.048	O					0.17
372.167	0.00	0.00	0.048	O					0.17
372.333	0.00	0.00	0.048	O					0.17
372.500	0.00	0.00	0.048	O					0.17
372.667	0.00	0.00	0.048	O					0.17
372.833	0.00	0.00	0.048	O					0.17
373.000	0.00	0.00	0.047	O					0.17
373.167	0.00	0.00	0.047	O					0.17
373.333	0.00	0.00	0.047	O					0.17
373.500	0.00	0.00	0.047	O					0.17
373.667	0.00	0.00	0.047	O					0.17
373.833	0.00	0.00	0.047	O					0.17
374.000	0.00	0.00	0.047	O					0.17
374.167	0.00	0.00	0.047	O					0.17
374.333	0.00	0.00	0.047	O					0.17
374.500	0.00	0.00	0.047	O					0.17
374.667	0.00	0.00	0.047	O					0.17
374.833	0.00	0.00	0.047	O					0.17
375.000	0.00	0.00	0.047	O					0.17
375.167	0.00	0.00	0.047	O					0.17
375.333	0.00	0.00	0.047	O					0.17
375.500	0.00	0.00	0.046	O					0.17
375.667	0.00	0.00	0.046	O					0.17
375.833	0.00	0.00	0.046	O					0.17
376.000	0.00	0.00	0.046	O					0.17
376.167	0.00	0.00	0.046	O					0.17
376.333	0.00	0.00	0.046	O					0.17
376.500	0.00	0.00	0.046	O					0.17
376.667	0.00	0.00	0.046	O					0.16
376.833	0.00	0.00	0.046	O					0.16
377.000	0.00	0.00	0.046	O					0.16
377.167	0.00	0.00	0.046	O					0.16
377.333	0.00	0.00	0.046	O					0.16
377.500	0.00	0.00	0.046	O					0.16

377.667	0.00	0.00	0.046	O					0.16
377.833	0.00	0.00	0.046	O					0.16
378.000	0.00	0.00	0.046	O					0.16
378.167	0.00	0.00	0.045	O					0.16
378.333	0.00	0.00	0.045	O					0.16
378.500	0.00	0.00	0.045	O					0.16
378.667	0.00	0.00	0.045	O					0.16
378.833	0.00	0.00	0.045	O					0.16
379.000	0.00	0.00	0.045	O					0.16
379.167	0.00	0.00	0.045	O					0.16
379.333	0.00	0.00	0.045	O					0.16
379.500	0.00	0.00	0.045	O					0.16
379.667	0.00	0.00	0.045	O					0.16
379.833	0.00	0.00	0.045	O					0.16
380.000	0.00	0.00	0.045	O					0.16
380.167	0.00	0.00	0.045	O					0.16
380.333	0.00	0.00	0.045	O					0.16
380.500	0.00	0.00	0.045	O					0.16
380.667	0.00	0.00	0.045	O					0.16
380.833	0.00	0.00	0.045	O					0.16
381.000	0.00	0.00	0.044	O					0.16
381.167	0.00	0.00	0.044	O					0.16
381.333	0.00	0.00	0.044	O					0.16
381.500	0.00	0.00	0.044	O					0.16
381.667	0.00	0.00	0.044	O					0.16
381.833	0.00	0.00	0.044	O					0.16
382.000	0.00	0.00	0.044	O					0.16
382.167	0.00	0.00	0.044	O					0.16
382.333	0.00	0.00	0.044	O					0.16
382.500	0.00	0.00	0.044	O					0.16
382.667	0.00	0.00	0.044	O					0.16
382.833	0.00	0.00	0.044	O					0.16
383.000	0.00	0.00	0.044	O					0.16
383.167	0.00	0.00	0.044	O					0.16
383.333	0.00	0.00	0.044	O					0.16
383.500	0.00	0.00	0.044	O					0.16
383.667	0.00	0.00	0.043	O					0.16
383.833	0.00	0.00	0.043	O					0.16
384.000	0.00	0.00	0.043	O					0.16
384.167	0.00	0.00	0.043	O					0.16
384.333	0.00	0.00	0.043	O					0.15
384.500	0.00	0.00	0.043	O					0.15
384.667	0.00	0.00	0.043	O					0.15
384.833	0.00	0.00	0.043	O					0.15
385.000	0.00	0.00	0.043	O					0.15
385.167	0.00	0.00	0.043	O					0.15
385.333	0.00	0.00	0.043	O					0.15
385.500	0.00	0.00	0.043	O					0.15
385.667	0.00	0.00	0.043	O					0.15
385.833	0.00	0.00	0.043	O					0.15
386.000	0.00	0.00	0.043	O					0.15
386.167	0.00	0.00	0.043	O					0.15
386.333	0.00	0.00	0.043	O					0.15
386.500	0.00	0.00	0.043	O					0.15
386.667	0.00	0.00	0.042	O					0.15
386.833	0.00	0.00	0.042	O					0.15
387.000	0.00	0.00	0.042	O					0.15
387.167	0.00	0.00	0.042	O					0.15
387.333	0.00	0.00	0.042	O					0.15
387.500	0.00	0.00	0.042	O					0.15
387.667	0.00	0.00	0.042	O					0.15
387.833	0.00	0.00	0.042	O					0.15
388.000	0.00	0.00	0.042	O					0.15
388.167	0.00	0.00	0.042	O					0.15
388.333	0.00	0.00	0.042	O					0.15
388.500	0.00	0.00	0.042	O					0.15
388.667	0.00	0.00	0.042	O					0.15
388.833	0.00	0.00	0.042	O					0.15
389.000	0.00	0.00	0.042	O					0.15
389.167	0.00	0.00	0.042	O					0.15
389.333	0.00	0.00	0.042	O					0.15
389.500	0.00	0.00	0.041	O					0.15
389.667	0.00	0.00	0.041	O					0.15

389.833	0.00	0.00	0.041	O	|	|	|	|	0.15
390.000	0.00	0.00	0.041	O	|	|	|	|	0.15
390.167	0.00	0.00	0.041	O	|	|	|	|	0.15
390.333	0.00	0.00	0.041	O	|	|	|	|	0.15
390.500	0.00	0.00	0.041	O	|	|	|	|	0.15
390.667	0.00	0.00	0.041	O	|	|	|	|	0.15
390.833	0.00	0.00	0.041	O	|	|	|	|	0.15
391.000	0.00	0.00	0.041	O	|	|	|	|	0.15
391.167	0.00	0.00	0.041	O	|	|	|	|	0.15
391.333	0.00	0.00	0.041	O	|	|	|	|	0.15
391.500	0.00	0.00	0.041	O	|	|	|	|	0.15
391.667	0.00	0.00	0.041	O	|	|	|	|	0.15
391.833	0.00	0.00	0.041	O	|	|	|	|	0.15
392.000	0.00	0.00	0.041	O	|	|	|	|	0.15
392.167	0.00	0.00	0.041	O	|	|	|	|	0.15
392.333	0.00	0.00	0.041	O	|	|	|	|	0.15
392.500	0.00	0.00	0.040	O	|	|	|	|	0.14
392.667	0.00	0.00	0.040	O	|	|	|	|	0.14
392.833	0.00	0.00	0.040	O	|	|	|	|	0.14
393.000	0.00	0.00	0.040	O	|	|	|	|	0.14
393.167	0.00	0.00	0.040	O	|	|	|	|	0.14
393.333	0.00	0.00	0.040	O	|	|	|	|	0.14
393.500	0.00	0.00	0.040	O	|	|	|	|	0.14
393.667	0.00	0.00	0.040	O	|	|	|	|	0.14
393.833	0.00	0.00	0.040	O	|	|	|	|	0.14
394.000	0.00	0.00	0.040	O	|	|	|	|	0.14
394.167	0.00	0.00	0.040	O	|	|	|	|	0.14
394.333	0.00	0.00	0.040	O	|	|	|	|	0.14
394.500	0.00	0.00	0.040	O	|	|	|	|	0.14
394.667	0.00	0.00	0.040	O	|	|	|	|	0.14
394.833	0.00	0.00	0.040	O	|	|	|	|	0.14
395.000	0.00	0.00	0.040	O	|	|	|	|	0.14
395.167	0.00	0.00	0.040	O	|	|	|	|	0.14
395.333	0.00	0.00	0.040	O	|	|	|	|	0.14
395.500	0.00	0.00	0.039	O	|	|	|	|	0.14
395.667	0.00	0.00	0.039	O	|	|	|	|	0.14
395.833	0.00	0.00	0.039	O	|	|	|	|	0.14
396.000	0.00	0.00	0.039	O	|	|	|	|	0.14
396.167	0.00	0.00	0.039	O	|	|	|	|	0.14
396.333	0.00	0.00	0.039	O	|	|	|	|	0.14
396.500	0.00	0.00	0.039	O	|	|	|	|	0.14
396.667	0.00	0.00	0.039	O	|	|	|	|	0.14
396.833	0.00	0.00	0.039	O	|	|	|	|	0.14
397.000	0.00	0.00	0.039	O	|	|	|	|	0.14
397.167	0.00	0.00	0.039	O	|	|	|	|	0.14
397.333	0.00	0.00	0.039	O	|	|	|	|	0.14
397.500	0.00	0.00	0.039	O	|	|	|	|	0.14
397.667	0.00	0.00	0.039	O	|	|	|	|	0.14
397.833	0.00	0.00	0.039	O	|	|	|	|	0.14
398.000	0.00	0.00	0.039	O	|	|	|	|	0.14
398.167	0.00	0.00	0.039	O	|	|	|	|	0.14
398.333	0.00	0.00	0.039	O	|	|	|	|	0.14
398.500	0.00	0.00	0.039	O	|	|	|	|	0.14
398.667	0.00	0.00	0.038	O	|	|	|	|	0.14
398.833	0.00	0.00	0.038	O	|	|	|	|	0.14
399.000	0.00	0.00	0.038	O	|	|	|	|	0.14
399.167	0.00	0.00	0.038	O	|	|	|	|	0.14
399.333	0.00	0.00	0.038	O	|	|	|	|	0.14
399.500	0.00	0.00	0.038	O	|	|	|	|	0.14
399.667	0.00	0.00	0.038	O	|	|	|	|	0.14
399.833	0.00	0.00	0.038	O	|	|	|	|	0.14
400.000	0.00	0.00	0.038	O	|	|	|	|	0.14
400.167	0.00	0.00	0.038	O	|	|	|	|	0.14
400.333	0.00	0.00	0.038	O	|	|	|	|	0.14
400.500	0.00	0.00	0.038	O	|	|	|	|	0.14
400.667	0.00	0.00	0.038	O	|	|	|	|	0.14
400.833	0.00	0.00	0.038	O	|	|	|	|	0.14
401.000	0.00	0.00	0.038	O	|	|	|	|	0.14
401.167	0.00	0.00	0.038	O	|	|	|	|	0.13
401.333	0.00	0.00	0.038	O	|	|	|	|	0.13
401.500	0.00	0.00	0.038	O	|	|	|	|	0.13
401.667	0.00	0.00	0.038	O	|	|	|	|	0.13
401.833	0.00	0.00	0.038	O	|	|	|	|	0.13

402.000	0.00	0.00	0.037	O					0.13
402.167	0.00	0.00	0.037	O					0.13
402.333	0.00	0.00	0.037	O					0.13
402.500	0.00	0.00	0.037	O					0.13
402.667	0.00	0.00	0.037	O					0.13
402.833	0.00	0.00	0.037	O					0.13
403.000	0.00	0.00	0.037	O					0.13
403.167	0.00	0.00	0.037	O					0.13
403.333	0.00	0.00	0.037	O					0.13
403.500	0.00	0.00	0.037	O					0.13
403.667	0.00	0.00	0.037	O					0.13
403.833	0.00	0.00	0.037	O					0.13
404.000	0.00	0.00	0.037	O					0.13
404.167	0.00	0.00	0.037	O					0.13
404.333	0.00	0.00	0.037	O					0.13
404.500	0.00	0.00	0.037	O					0.13
404.667	0.00	0.00	0.037	O					0.13
404.833	0.00	0.00	0.037	O					0.13
405.000	0.00	0.00	0.037	O					0.13
405.167	0.00	0.00	0.036	O					0.13
405.333	0.00	0.00	0.036	O					0.13
405.500	0.00	0.00	0.036	O					0.13
405.667	0.00	0.00	0.036	O					0.13
405.833	0.00	0.00	0.036	O					0.13
406.000	0.00	0.00	0.036	O					0.13
406.167	0.00	0.00	0.036	O					0.13
406.333	0.00	0.00	0.036	O					0.13
406.500	0.00	0.00	0.036	O					0.13
406.667	0.00	0.00	0.036	O					0.13
406.833	0.00	0.00	0.036	O					0.13
407.000	0.00	0.00	0.036	O					0.13
407.167	0.00	0.00	0.036	O					0.13
407.333	0.00	0.00	0.036	O					0.13
407.500	0.00	0.00	0.036	O					0.13
407.667	0.00	0.00	0.036	O					0.13
407.833	0.00	0.00	0.036	O					0.13
408.000	0.00	0.00	0.036	O					0.13
408.167	0.00	0.00	0.036	O					0.13
408.333	0.00	0.00	0.036	O					0.13
408.500	0.00	0.00	0.036	O					0.13
408.667	0.00	0.00	0.035	O					0.13
408.833	0.00	0.00	0.035	O					0.13
409.000	0.00	0.00	0.035	O					0.13
409.167	0.00	0.00	0.035	O					0.13
409.333	0.00	0.00	0.035	O					0.13
409.500	0.00	0.00	0.035	O					0.13
409.667	0.00	0.00	0.035	O					0.13
409.833	0.00	0.00	0.035	O					0.13
410.000	0.00	0.00	0.035	O					0.13
410.167	0.00	0.00	0.035	O					0.13
410.333	0.00	0.00	0.035	O					0.13
410.500	0.00	0.00	0.035	O					0.13
410.667	0.00	0.00	0.035	O					0.12
410.833	0.00	0.00	0.035	O					0.12
411.000	0.00	0.00	0.035	O					0.12
411.167	0.00	0.00	0.035	O					0.12
411.333	0.00	0.00	0.035	O					0.12
411.500	0.00	0.00	0.035	O					0.12
411.667	0.00	0.00	0.035	O					0.12
411.833	0.00	0.00	0.035	O					0.12
412.000	0.00	0.00	0.035	O					0.12
412.167	0.00	0.00	0.034	O					0.12
412.333	0.00	0.00	0.034	O					0.12
412.500	0.00	0.00	0.034	O					0.12
412.667	0.00	0.00	0.034	O					0.12
412.833	0.00	0.00	0.034	O					0.12
413.000	0.00	0.00	0.034	O					0.12
413.167	0.00	0.00	0.034	O					0.12
413.333	0.00	0.00	0.034	O					0.12
413.500	0.00	0.00	0.034	O					0.12
413.667	0.00	0.00	0.034	O					0.12
413.833	0.00	0.00	0.034	O					0.12
414.000	0.00	0.00	0.034	O					0.12

414.167	0.00	0.00	0.034	O					0.12
414.333	0.00	0.00	0.034	O					0.12
414.500	0.00	0.00	0.034	O					0.12
414.667	0.00	0.00	0.034	O					0.12
414.833	0.00	0.00	0.034	O					0.12
415.000	0.00	0.00	0.034	O					0.12
415.167	0.00	0.00	0.034	O					0.12
415.333	0.00	0.00	0.034	O					0.12
415.500	0.00	0.00	0.034	O					0.12
415.667	0.00	0.00	0.033	O					0.12
415.833	0.00	0.00	0.033	O					0.12
416.000	0.00	0.00	0.033	O					0.12
416.167	0.00	0.00	0.033	O					0.12
416.333	0.00	0.00	0.033	O					0.12
416.500	0.00	0.00	0.033	O					0.12
416.667	0.00	0.00	0.033	O					0.12
416.833	0.00	0.00	0.033	O					0.12
417.000	0.00	0.00	0.033	O					0.12
417.167	0.00	0.00	0.033	O					0.12
417.333	0.00	0.00	0.033	O					0.12
417.500	0.00	0.00	0.033	O					0.12
417.667	0.00	0.00	0.033	O					0.12
417.833	0.00	0.00	0.033	O					0.12
418.000	0.00	0.00	0.033	O					0.12
418.167	0.00	0.00	0.033	O					0.12
418.333	0.00	0.00	0.033	O					0.12
418.500	0.00	0.00	0.033	O					0.12
418.667	0.00	0.00	0.033	O					0.12
418.833	0.00	0.00	0.033	O					0.12
419.000	0.00	0.00	0.033	O					0.12
419.167	0.00	0.00	0.033	O					0.12
419.333	0.00	0.00	0.033	O					0.12
419.500	0.00	0.00	0.032	O					0.12
419.667	0.00	0.00	0.032	O					0.12
419.833	0.00	0.00	0.032	O					0.12
420.000	0.00	0.00	0.032	O					0.12
420.167	0.00	0.00	0.032	O					0.12
420.333	0.00	0.00	0.032	O					0.12
420.500	0.00	0.00	0.032	O					0.12
420.667	0.00	0.00	0.032	O					0.12
420.833	0.00	0.00	0.032	O					0.11
421.000	0.00	0.00	0.032	O					0.11
421.167	0.00	0.00	0.032	O					0.11
421.333	0.00	0.00	0.032	O					0.11
421.500	0.00	0.00	0.032	O					0.11
421.667	0.00	0.00	0.032	O					0.11
421.833	0.00	0.00	0.032	O					0.11
422.000	0.00	0.00	0.032	O					0.11
422.167	0.00	0.00	0.032	O					0.11
422.333	0.00	0.00	0.032	O					0.11
422.500	0.00	0.00	0.032	O					0.11
422.667	0.00	0.00	0.032	O					0.11
422.833	0.00	0.00	0.032	O					0.11
423.000	0.00	0.00	0.032	O					0.11
423.167	0.00	0.00	0.032	O					0.11
423.333	0.00	0.00	0.031	O					0.11
423.500	0.00	0.00	0.031	O					0.11
423.667	0.00	0.00	0.031	O					0.11
423.833	0.00	0.00	0.031	O					0.11
424.000	0.00	0.00	0.031	O					0.11
424.167	0.00	0.00	0.031	O					0.11
424.333	0.00	0.00	0.031	O					0.11
424.500	0.00	0.00	0.031	O					0.11
424.667	0.00	0.00	0.031	O					0.11
424.833	0.00	0.00	0.031	O					0.11
425.000	0.00	0.00	0.031	O					0.11
425.167	0.00	0.00	0.031	O					0.11
425.333	0.00	0.00	0.031	O					0.11
425.500	0.00	0.00	0.031	O					0.11
425.667	0.00	0.00	0.031	O					0.11
425.833	0.00	0.00	0.031	O					0.11
426.000	0.00	0.00	0.031	O					0.11
426.167	0.00	0.00	0.031	O					0.11

426.333	0.00	0.00	0.031	O					0.11
426.500	0.00	0.00	0.031	O					0.11
426.667	0.00	0.00	0.031	O					0.11
426.833	0.00	0.00	0.031	O					0.11
427.000	0.00	0.00	0.031	O					0.11
427.167	0.00	0.00	0.030	O					0.11
427.333	0.00	0.00	0.030	O					0.11
427.500	0.00	0.00	0.030	O					0.11
427.667	0.00	0.00	0.030	O					0.11
427.833	0.00	0.00	0.030	O					0.11
428.000	0.00	0.00	0.030	O					0.11
428.167	0.00	0.00	0.030	O					0.11
428.333	0.00	0.00	0.030	O					0.11
428.500	0.00	0.00	0.030	O					0.11
428.667	0.00	0.00	0.030	O					0.11
428.833	0.00	0.00	0.030	O					0.11
429.000	0.00	0.00	0.030	O					0.11
429.167	0.00	0.00	0.030	O					0.11
429.333	0.00	0.00	0.030	O					0.11
429.500	0.00	0.00	0.030	O					0.11
429.667	0.00	0.00	0.030	O					0.11
429.833	0.00	0.00	0.030	O					0.11
430.000	0.00	0.00	0.030	O					0.11
430.167	0.00	0.00	0.030	O					0.11
430.333	0.00	0.00	0.030	O					0.11
430.500	0.00	0.00	0.030	O					0.11
430.667	0.00	0.00	0.030	O					0.11
430.833	0.00	0.00	0.030	O					0.11
431.000	0.00	0.00	0.030	O					0.11
431.167	0.00	0.00	0.030	O					0.11
431.333	0.00	0.00	0.029	O					0.11
431.500	0.00	0.00	0.029	O					0.11
431.667	0.00	0.00	0.029	O					0.11
431.833	0.00	0.00	0.029	O					0.11
432.000	0.00	0.00	0.029	O					0.10
432.167	0.00	0.00	0.029	O					0.10
432.333	0.00	0.00	0.029	O					0.10
432.500	0.00	0.00	0.029	O					0.10
432.667	0.00	0.00	0.029	O					0.10
432.833	0.00	0.00	0.029	O					0.10
433.000	0.00	0.00	0.029	O					0.10
433.167	0.00	0.00	0.029	O					0.10
433.333	0.00	0.00	0.029	O					0.10
433.500	0.00	0.00	0.029	O					0.10
433.667	0.00	0.00	0.029	O					0.10
433.833	0.00	0.00	0.029	O					0.10
434.000	0.00	0.00	0.029	O					0.10
434.167	0.00	0.00	0.029	O					0.10
434.333	0.00	0.00	0.029	O					0.10
434.500	0.00	0.00	0.029	O					0.10
434.667	0.00	0.00	0.029	O					0.10
434.833	0.00	0.00	0.029	O					0.10
435.000	0.00	0.00	0.029	O					0.10
435.167	0.00	0.00	0.029	O					0.10
435.333	0.00	0.00	0.029	O					0.10
435.500	0.00	0.00	0.028	O					0.10
435.667	0.00	0.00	0.028	O					0.10
435.833	0.00	0.00	0.028	O					0.10
436.000	0.00	0.00	0.028	O					0.10
436.167	0.00	0.00	0.028	O					0.10
436.333	0.00	0.00	0.028	O					0.10
436.500	0.00	0.00	0.028	O					0.10
436.667	0.00	0.00	0.028	O					0.10
436.833	0.00	0.00	0.028	O					0.10
437.000	0.00	0.00	0.028	O					0.10
437.167	0.00	0.00	0.028	O					0.10
437.333	0.00	0.00	0.028	O					0.10
437.500	0.00	0.00	0.028	O					0.10
437.667	0.00	0.00	0.028	O					0.10
437.833	0.00	0.00	0.028	O					0.10
438.000	0.00	0.00	0.028	O					0.10
438.167	0.00	0.00	0.028	O					0.10
438.333	0.00	0.00	0.028	O					0.10

438.500	0.00	0.00	0.028	O					0.10
438.667	0.00	0.00	0.028	O					0.10
438.833	0.00	0.00	0.028	O					0.10
439.000	0.00	0.00	0.028	O					0.10
439.167	0.00	0.00	0.028	O					0.10
439.333	0.00	0.00	0.028	O					0.10
439.500	0.00	0.00	0.028	O					0.10
439.667	0.00	0.00	0.028	O					0.10
439.833	0.00	0.00	0.027	O					0.10
440.000	0.00	0.00	0.027	O					0.10
440.167	0.00	0.00	0.027	O					0.10
440.333	0.00	0.00	0.027	O					0.10
440.500	0.00	0.00	0.027	O					0.10
440.667	0.00	0.00	0.027	O					0.10
440.833	0.00	0.00	0.027	O					0.10
441.000	0.00	0.00	0.027	O					0.10
441.167	0.00	0.00	0.027	O					0.10
441.333	0.00	0.00	0.027	O					0.10
441.500	0.00	0.00	0.027	O					0.10
441.667	0.00	0.00	0.027	O					0.10
441.833	0.00	0.00	0.027	O					0.10
442.000	0.00	0.00	0.027	O					0.10
442.167	0.00	0.00	0.027	O					0.10
442.333	0.00	0.00	0.027	O					0.10
442.500	0.00	0.00	0.027	O					0.10
442.667	0.00	0.00	0.027	O					0.10
442.833	0.00	0.00	0.027	O					0.10
443.000	0.00	0.00	0.027	O					0.10
443.167	0.00	0.00	0.027	O					0.10
443.333	0.00	0.00	0.027	O					0.10
443.500	0.00	0.00	0.027	O					0.10
443.667	0.00	0.00	0.027	O					0.10
443.833	0.00	0.00	0.027	O					0.10
444.000	0.00	0.00	0.027	O					0.10
444.167	0.00	0.00	0.027	O					0.10
444.333	0.00	0.00	0.027	O					0.09
444.500	0.00	0.00	0.026	O					0.09
444.667	0.00	0.00	0.026	O					0.09
444.833	0.00	0.00	0.026	O					0.09
445.000	0.00	0.00	0.026	O					0.09
445.167	0.00	0.00	0.026	O					0.09
445.333	0.00	0.00	0.026	O					0.09
445.500	0.00	0.00	0.026	O					0.09
445.667	0.00	0.00	0.026	O					0.09
445.833	0.00	0.00	0.026	O					0.09
446.000	0.00	0.00	0.026	O					0.09
446.167	0.00	0.00	0.026	O					0.09
446.333	0.00	0.00	0.026	O					0.09
446.500	0.00	0.00	0.026	O					0.09
446.667	0.00	0.00	0.026	O					0.09
446.833	0.00	0.00	0.026	O					0.09
447.000	0.00	0.00	0.026	O					0.09
447.167	0.00	0.00	0.026	O					0.09
447.333	0.00	0.00	0.026	O					0.09
447.500	0.00	0.00	0.026	O					0.09
447.667	0.00	0.00	0.026	O					0.09
447.833	0.00	0.00	0.026	O					0.09
448.000	0.00	0.00	0.026	O					0.09
448.167	0.00	0.00	0.026	O					0.09
448.333	0.00	0.00	0.026	O					0.09
448.500	0.00	0.00	0.026	O					0.09
448.667	0.00	0.00	0.026	O					0.09
448.833	0.00	0.00	0.026	O					0.09
449.000	0.00	0.00	0.026	O					0.09
449.167	0.00	0.00	0.025	O					0.09
449.333	0.00	0.00	0.025	O					0.09
449.500	0.00	0.00	0.025	O					0.09
449.667	0.00	0.00	0.025	O					0.09
449.833	0.00	0.00	0.025	O					0.09
450.000	0.00	0.00	0.025	O					0.09
450.167	0.00	0.00	0.025	O					0.09
450.333	0.00	0.00	0.025	O					0.09
450.500	0.00	0.00	0.025	O					0.09

450.667	0.00	0.00	0.025	O					0.09
450.833	0.00	0.00	0.025	O					0.09
451.000	0.00	0.00	0.025	O					0.09
451.167	0.00	0.00	0.025	O					0.09
451.333	0.00	0.00	0.025	O					0.09
451.500	0.00	0.00	0.025	O					0.09
451.667	0.00	0.00	0.025	O					0.09
451.833	0.00	0.00	0.025	O					0.09
452.000	0.00	0.00	0.025	O					0.09
452.167	0.00	0.00	0.025	O					0.09
452.333	0.00	0.00	0.025	O					0.09
452.500	0.00	0.00	0.025	O					0.09
452.667	0.00	0.00	0.025	O					0.09
452.833	0.00	0.00	0.025	O					0.09
453.000	0.00	0.00	0.025	O					0.09
453.167	0.00	0.00	0.025	O					0.09
453.333	0.00	0.00	0.025	O					0.09
453.500	0.00	0.00	0.025	O					0.09
453.667	0.00	0.00	0.025	O					0.09
453.833	0.00	0.00	0.025	O					0.09
454.000	0.00	0.00	0.024	O					0.09
454.167	0.00	0.00	0.024	O					0.09
454.333	0.00	0.00	0.024	O					0.09
454.500	0.00	0.00	0.024	O					0.09
454.667	0.00	0.00	0.024	O					0.09
454.833	0.00	0.00	0.024	O					0.09
455.000	0.00	0.00	0.024	O					0.09
455.167	0.00	0.00	0.024	O					0.09
455.333	0.00	0.00	0.024	O					0.09
455.500	0.00	0.00	0.024	O					0.09
455.667	0.00	0.00	0.024	O					0.09
455.833	0.00	0.00	0.024	O					0.09
456.000	0.00	0.00	0.024	O					0.09
456.167	0.00	0.00	0.024	O					0.09
456.333	0.00	0.00	0.024	O					0.09
456.500	0.00	0.00	0.024	O					0.09
456.667	0.00	0.00	0.024	O					0.09
456.833	0.00	0.00	0.024	O					0.09
457.000	0.00	0.00	0.024	O					0.09
457.167	0.00	0.00	0.024	O					0.09
457.333	0.00	0.00	0.024	O					0.09
457.500	0.00	0.00	0.024	O					0.09
457.667	0.00	0.00	0.024	O					0.09
457.833	0.00	0.00	0.024	O					0.09
458.000	0.00	0.00	0.024	O					0.08
458.167	0.00	0.00	0.024	O					0.08
458.333	0.00	0.00	0.024	O					0.08
458.500	0.00	0.00	0.024	O					0.08
458.667	0.00	0.00	0.024	O					0.08
458.833	0.00	0.00	0.024	O					0.08
459.000	0.00	0.00	0.024	O					0.08
459.167	0.00	0.00	0.023	O					0.08
459.333	0.00	0.00	0.023	O					0.08
459.500	0.00	0.00	0.023	O					0.08
459.667	0.00	0.00	0.023	O					0.08
459.833	0.00	0.00	0.023	O					0.08
460.000	0.00	0.00	0.023	O					0.08
460.167	0.00	0.00	0.023	O					0.08
460.333	0.00	0.00	0.023	O					0.08
460.500	0.00	0.00	0.023	O					0.08
460.667	0.00	0.00	0.023	O					0.08
460.833	0.00	0.00	0.023	O					0.08
461.000	0.00	0.00	0.023	O					0.08
461.167	0.00	0.00	0.023	O					0.08
461.333	0.00	0.00	0.023	O					0.08
461.500	0.00	0.00	0.023	O					0.08
461.667	0.00	0.00	0.023	O					0.08
461.833	0.00	0.00	0.023	O					0.08
462.000	0.00	0.00	0.023	O					0.08
462.167	0.00	0.00	0.023	O					0.08
462.333	0.00	0.00	0.023	O					0.08
462.500	0.00	0.00	0.023	O					0.08
462.667	0.00	0.00	0.023	O					0.08

462.833	0.00	0.00	0.023	O					0.08
463.000	0.00	0.00	0.023	O					0.08
463.167	0.00	0.00	0.023	O					0.08
463.333	0.00	0.00	0.023	O					0.08
463.500	0.00	0.00	0.023	O					0.08
463.667	0.00	0.00	0.023	O					0.08
463.833	0.00	0.00	0.023	O					0.08
464.000	0.00	0.00	0.023	O					0.08
464.167	0.00	0.00	0.023	O					0.08
464.333	0.00	0.00	0.023	O					0.08
464.500	0.00	0.00	0.022	O					0.08
464.667	0.00	0.00	0.022	O					0.08
464.833	0.00	0.00	0.022	O					0.08
465.000	0.00	0.00	0.022	O					0.08
465.167	0.00	0.00	0.022	O					0.08
465.333	0.00	0.00	0.022	O					0.08
465.500	0.00	0.00	0.022	O					0.08
465.667	0.00	0.00	0.022	O					0.08
465.833	0.00	0.00	0.022	O					0.08
466.000	0.00	0.00	0.022	O					0.08
466.167	0.00	0.00	0.022	O					0.08
466.333	0.00	0.00	0.022	O					0.08
466.500	0.00	0.00	0.022	O					0.08
466.667	0.00	0.00	0.022	O					0.08
466.833	0.00	0.00	0.022	O					0.08
467.000	0.00	0.00	0.022	O					0.08
467.167	0.00	0.00	0.022	O					0.08
467.333	0.00	0.00	0.022	O					0.08
467.500	0.00	0.00	0.022	O					0.08
467.667	0.00	0.00	0.022	O					0.08
467.833	0.00	0.00	0.022	O					0.08
468.000	0.00	0.00	0.022	O					0.08
468.167	0.00	0.00	0.022	O					0.08
468.333	0.00	0.00	0.022	O					0.08
468.500	0.00	0.00	0.022	O					0.08
468.667	0.00	0.00	0.022	O					0.08
468.833	0.00	0.00	0.022	O					0.08
469.000	0.00	0.00	0.022	O					0.08
469.167	0.00	0.00	0.022	O					0.08
469.333	0.00	0.00	0.022	O					0.08
469.500	0.00	0.00	0.022	O					0.08
469.667	0.00	0.00	0.022	O					0.08
469.833	0.00	0.00	0.022	O					0.08
470.000	0.00	0.00	0.021	O					0.08
470.167	0.00	0.00	0.021	O					0.08
470.333	0.00	0.00	0.021	O					0.08
470.500	0.00	0.00	0.021	O					0.08
470.667	0.00	0.00	0.021	O					0.08
470.833	0.00	0.00	0.021	O					0.08
471.000	0.00	0.00	0.021	O					0.08
471.167	0.00	0.00	0.021	O					0.08
471.333	0.00	0.00	0.021	O					0.08
471.500	0.00	0.00	0.021	O					0.08
471.667	0.00	0.00	0.021	O					0.08
471.833	0.00	0.00	0.021	O					0.08
472.000	0.00	0.00	0.021	O					0.08
472.167	0.00	0.00	0.021	O					0.08
472.333	0.00	0.00	0.021	O					0.08
472.500	0.00	0.00	0.021	O					0.08
472.667	0.00	0.00	0.021	O					0.08
472.833	0.00	0.00	0.021	O					0.08
473.000	0.00	0.00	0.021	O					0.08
473.167	0.00	0.00	0.021	O					0.08
473.333	0.00	0.00	0.021	O					0.07
473.500	0.00	0.00	0.021	O					0.07
473.667	0.00	0.00	0.021	O					0.07
473.833	0.00	0.00	0.021	O					0.07
474.000	0.00	0.00	0.021	O					0.07
474.167	0.00	0.00	0.021	O					0.07
474.333	0.00	0.00	0.021	O					0.07
474.500	0.00	0.00	0.021	O					0.07
474.667	0.00	0.00	0.021	O					0.07
474.833	0.00	0.00	0.021	O					0.07

475.000	0.00	0.00	0.021	O					0.07
475.167	0.00	0.00	0.021	O					0.07
475.333	0.00	0.00	0.021	O					0.07
475.500	0.00	0.00	0.021	O					0.07
475.667	0.00	0.00	0.021	O					0.07
475.833	0.00	0.00	0.020	O					0.07
476.000	0.00	0.00	0.020	O					0.07
476.167	0.00	0.00	0.020	O					0.07
476.333	0.00	0.00	0.020	O					0.07
476.500	0.00	0.00	0.020	O					0.07
476.667	0.00	0.00	0.020	O					0.07
476.833	0.00	0.00	0.020	O					0.07
477.000	0.00	0.00	0.020	O					0.07
477.167	0.00	0.00	0.020	O					0.07
477.333	0.00	0.00	0.020	O					0.07
477.500	0.00	0.00	0.020	O					0.07
477.667	0.00	0.00	0.020	O					0.07
477.833	0.00	0.00	0.020	O					0.07
478.000	0.00	0.00	0.020	O					0.07
478.167	0.00	0.00	0.020	O					0.07
478.333	0.00	0.00	0.020	O					0.07
478.500	0.00	0.00	0.020	O					0.07
478.667	0.00	0.00	0.020	O					0.07
478.833	0.00	0.00	0.020	O					0.07
479.000	0.00	0.00	0.020	O					0.07
479.167	0.00	0.00	0.020	O					0.07
479.333	0.00	0.00	0.020	O					0.07
479.500	0.00	0.00	0.020	O					0.07
479.667	0.00	0.00	0.020	O					0.07
479.833	0.00	0.00	0.020	O					0.07
480.000	0.00	0.00	0.020	O					0.07
480.167	0.00	0.00	0.020	O					0.07
480.333	0.00	0.00	0.020	O					0.07
480.500	0.00	0.00	0.020	O					0.07
480.667	0.00	0.00	0.020	O					0.07
480.833	0.00	0.00	0.020	O					0.07
481.000	0.00	0.00	0.020	O					0.07
481.167	0.00	0.00	0.020	O					0.07
481.333	0.00	0.00	0.020	O					0.07
481.500	0.00	0.00	0.020	O					0.07
481.667	0.00	0.00	0.020	O					0.07
481.833	0.00	0.00	0.020	O					0.07
482.000	0.00	0.00	0.019	O					0.07
482.167	0.00	0.00	0.019	O					0.07
482.333	0.00	0.00	0.019	O					0.07
482.500	0.00	0.00	0.019	O					0.07
482.667	0.00	0.00	0.019	O					0.07
482.833	0.00	0.00	0.019	O					0.07
483.000	0.00	0.00	0.019	O					0.07
483.167	0.00	0.00	0.019	O					0.07
483.333	0.00	0.00	0.019	O					0.07
483.500	0.00	0.00	0.019	O					0.07
483.667	0.00	0.00	0.019	O					0.07
483.833	0.00	0.00	0.019	O					0.07
484.000	0.00	0.00	0.019	O					0.07
484.167	0.00	0.00	0.019	O					0.07
484.333	0.00	0.00	0.019	O					0.07
484.500	0.00	0.00	0.019	O					0.07
484.667	0.00	0.00	0.019	O					0.07
484.833	0.00	0.00	0.019	O					0.07
485.000	0.00	0.00	0.019	O					0.07
485.167	0.00	0.00	0.019	O					0.07
485.333	0.00	0.00	0.019	O					0.07
485.500	0.00	0.00	0.019	O					0.07
485.667	0.00	0.00	0.019	O					0.07
485.833	0.00	0.00	0.019	O					0.07
486.000	0.00	0.00	0.019	O					0.07
486.167	0.00	0.00	0.019	O					0.07
486.333	0.00	0.00	0.019	O					0.07
486.500	0.00	0.00	0.019	O					0.07
486.667	0.00	0.00	0.019	O					0.07
486.833	0.00	0.00	0.019	O					0.07
487.000	0.00	0.00	0.019	O					0.07

487.167	0.00	0.00	0.019	O	|	|	|	|	0.07
487.333	0.00	0.00	0.019	O	|	|	|	|	0.07
487.500	0.00	0.00	0.019	O	|	|	|	|	0.07
487.667	0.00	0.00	0.019	O	|	|	|	|	0.07
487.833	0.00	0.00	0.019	O	|	|	|	|	0.07
488.000	0.00	0.00	0.019	O	|	|	|	|	0.07
488.167	0.00	0.00	0.019	O	|	|	|	|	0.07
488.333	0.00	0.00	0.019	O	|	|	|	|	0.07
488.500	0.00	0.00	0.018	O	|	|	|	|	0.07
488.667	0.00	0.00	0.018	O	|	|	|	|	0.07
488.833	0.00	0.00	0.018	O	|	|	|	|	0.07
489.000	0.00	0.00	0.018	O	|	|	|	|	0.07
489.167	0.00	0.00	0.018	O	|	|	|	|	0.07
489.333	0.00	0.00	0.018	O	|	|	|	|	0.07
489.500	0.00	0.00	0.018	O	|	|	|	|	0.07
489.667	0.00	0.00	0.018	O	|	|	|	|	0.07
489.833	0.00	0.00	0.018	O	|	|	|	|	0.07
490.000	0.00	0.00	0.018	O	|	|	|	|	0.07
490.167	0.00	0.00	0.018	O	|	|	|	|	0.07
490.333	0.00	0.00	0.018	O	|	|	|	|	0.07
490.500	0.00	0.00	0.018	O	|	|	|	|	0.07
490.667	0.00	0.00	0.018	O	|	|	|	|	0.07
490.833	0.00	0.00	0.018	O	|	|	|	|	0.06
491.000	0.00	0.00	0.018	O	|	|	|	|	0.06
491.167	0.00	0.00	0.018	O	|	|	|	|	0.06
491.333	0.00	0.00	0.018	O	|	|	|	|	0.06
491.500	0.00	0.00	0.018	O	|	|	|	|	0.06
491.667	0.00	0.00	0.018	O	|	|	|	|	0.06
491.833	0.00	0.00	0.018	O	|	|	|	|	0.06
492.000	0.00	0.00	0.018	O	|	|	|	|	0.06
492.167	0.00	0.00	0.018	O	|	|	|	|	0.06
492.333	0.00	0.00	0.018	O	|	|	|	|	0.06
492.500	0.00	0.00	0.018	O	|	|	|	|	0.06
492.667	0.00	0.00	0.018	O	|	|	|	|	0.06
492.833	0.00	0.00	0.018	O	|	|	|	|	0.06
493.000	0.00	0.00	0.018	O	|	|	|	|	0.06
493.167	0.00	0.00	0.018	O	|	|	|	|	0.06
493.333	0.00	0.00	0.018	O	|	|	|	|	0.06
493.500	0.00	0.00	0.018	O	|	|	|	|	0.06
493.667	0.00	0.00	0.018	O	|	|	|	|	0.06
493.833	0.00	0.00	0.018	O	|	|	|	|	0.06
494.000	0.00	0.00	0.018	O	|	|	|	|	0.06
494.167	0.00	0.00	0.018	O	|	|	|	|	0.06
494.333	0.00	0.00	0.018	O	|	|	|	|	0.06
494.500	0.00	0.00	0.018	O	|	|	|	|	0.06
494.667	0.00	0.00	0.018	O	|	|	|	|	0.06
494.833	0.00	0.00	0.018	O	|	|	|	|	0.06
495.000	0.00	0.00	0.018	O	|	|	|	|	0.06
495.167	0.00	0.00	0.018	O	|	|	|	|	0.06
495.333	0.00	0.00	0.017	O	|	|	|	|	0.06
495.500	0.00	0.00	0.017	O	|	|	|	|	0.06
495.667	0.00	0.00	0.017	O	|	|	|	|	0.06
495.833	0.00	0.00	0.017	O	|	|	|	|	0.06
496.000	0.00	0.00	0.017	O	|	|	|	|	0.06
496.167	0.00	0.00	0.017	O	|	|	|	|	0.06
496.333	0.00	0.00	0.017	O	|	|	|	|	0.06
496.500	0.00	0.00	0.017	O	|	|	|	|	0.06
496.667	0.00	0.00	0.017	O	|	|	|	|	0.06
496.833	0.00	0.00	0.017	O	|	|	|	|	0.06
497.000	0.00	0.00	0.017	O	|	|	|	|	0.06
497.167	0.00	0.00	0.017	O	|	|	|	|	0.06
497.333	0.00	0.00	0.017	O	|	|	|	|	0.06
497.500	0.00	0.00	0.017	O	|	|	|	|	0.06
497.667	0.00	0.00	0.017	O	|	|	|	|	0.06
497.833	0.00	0.00	0.017	O	|	|	|	|	0.06
498.000	0.00	0.00	0.017	O	|	|	|	|	0.06
498.167	0.00	0.00	0.017	O	|	|	|	|	0.06
498.333	0.00	0.00	0.017	O	|	|	|	|	0.06
498.500	0.00	0.00	0.017	O	|	|	|	|	0.06
498.667	0.00	0.00	0.017	O	|	|	|	|	0.06
498.833	0.00	0.00	0.017	O	|	|	|	|	0.06
499.000	0.00	0.00	0.017	O	|	|	|	|	0.06
499.167	0.00	0.00	0.017	O	|	|	|	|	0.06

499.333	0.00	0.00	0.017	O	|	|	|	|	0.06
499.500	0.00	0.00	0.017	O	|	|	|	|	0.06
499.667	0.00	0.00	0.017	O	|	|	|	|	0.06
499.833	0.00	0.00	0.017	O	|	|	|	|	0.06
500.000	0.00	0.00	0.017	O	|	|	|	|	0.06
500.167	0.00	0.00	0.017	O	|	|	|	|	0.06
500.333	0.00	0.00	0.017	O	|	|	|	|	0.06
500.500	0.00	0.00	0.017	O	|	|	|	|	0.06
500.667	0.00	0.00	0.017	O	|	|	|	|	0.06
500.833	0.00	0.00	0.017	O	|	|	|	|	0.06
501.000	0.00	0.00	0.017	O	|	|	|	|	0.06
501.167	0.00	0.00	0.017	O	|	|	|	|	0.06
501.333	0.00	0.00	0.017	O	|	|	|	|	0.06
501.500	0.00	0.00	0.017	O	|	|	|	|	0.06
501.667	0.00	0.00	0.017	O	|	|	|	|	0.06
501.833	0.00	0.00	0.017	O	|	|	|	|	0.06
502.000	0.00	0.00	0.017	O	|	|	|	|	0.06
502.167	0.00	0.00	0.017	O	|	|	|	|	0.06
502.333	0.00	0.00	0.017	O	|	|	|	|	0.06
502.500	0.00	0.00	0.016	O	|	|	|	|	0.06
502.667	0.00	0.00	0.016	O	|	|	|	|	0.06
502.833	0.00	0.00	0.016	O	|	|	|	|	0.06
503.000	0.00	0.00	0.016	O	|	|	|	|	0.06
503.167	0.00	0.00	0.016	O	|	|	|	|	0.06
503.333	0.00	0.00	0.016	O	|	|	|	|	0.06
503.500	0.00	0.00	0.016	O	|	|	|	|	0.06
503.667	0.00	0.00	0.016	O	|	|	|	|	0.06
503.833	0.00	0.00	0.016	O	|	|	|	|	0.06
504.000	0.00	0.00	0.016	O	|	|	|	|	0.06
504.167	0.00	0.00	0.016	O	|	|	|	|	0.06
504.333	0.00	0.00	0.016	O	|	|	|	|	0.06
504.500	0.00	0.00	0.016	O	|	|	|	|	0.06
504.667	0.00	0.00	0.016	O	|	|	|	|	0.06
504.833	0.00	0.00	0.016	O	|	|	|	|	0.06
505.000	0.00	0.00	0.016	O	|	|	|	|	0.06
505.167	0.00	0.00	0.016	O	|	|	|	|	0.06
505.333	0.00	0.00	0.016	O	|	|	|	|	0.06
505.500	0.00	0.00	0.016	O	|	|	|	|	0.06
505.667	0.00	0.00	0.016	O	|	|	|	|	0.06
505.833	0.00	0.00	0.016	O	|	|	|	|	0.06
506.000	0.00	0.00	0.016	O	|	|	|	|	0.06
506.167	0.00	0.00	0.016	O	|	|	|	|	0.06
506.333	0.00	0.00	0.016	O	|	|	|	|	0.06
506.500	0.00	0.00	0.016	O	|	|	|	|	0.06
506.667	0.00	0.00	0.016	O	|	|	|	|	0.06
506.833	0.00	0.00	0.016	O	|	|	|	|	0.06
507.000	0.00	0.00	0.016	O	|	|	|	|	0.06
507.167	0.00	0.00	0.016	O	|	|	|	|	0.06
507.333	0.00	0.00	0.016	O	|	|	|	|	0.06
507.500	0.00	0.00	0.016	O	|	|	|	|	0.06
507.667	0.00	0.00	0.016	O	|	|	|	|	0.06
507.833	0.00	0.00	0.016	O	|	|	|	|	0.06
508.000	0.00	0.00	0.016	O	|	|	|	|	0.06
508.167	0.00	0.00	0.016	O	|	|	|	|	0.06
508.333	0.00	0.00	0.016	O	|	|	|	|	0.06
508.500	0.00	0.00	0.016	O	|	|	|	|	0.06
508.667	0.00	0.00	0.016	O	|	|	|	|	0.06
508.833	0.00	0.00	0.016	O	|	|	|	|	0.06
509.000	0.00	0.00	0.016	O	|	|	|	|	0.06
509.167	0.00	0.00	0.016	O	|	|	|	|	0.06
509.333	0.00	0.00	0.016	O	|	|	|	|	0.06
509.500	0.00	0.00	0.016	O	|	|	|	|	0.06
509.667	0.00	0.00	0.016	O	|	|	|	|	0.06
509.833	0.00	0.00	0.016	O	|	|	|	|	0.06
510.000	0.00	0.00	0.016	O	|	|	|	|	0.06
510.167	0.00	0.00	0.015	O	|	|	|	|	0.06
510.333	0.00	0.00	0.015	O	|	|	|	|	0.06
510.500	0.00	0.00	0.015	O	|	|	|	|	0.06
510.667	0.00	0.00	0.015	O	|	|	|	|	0.06
510.833	0.00	0.00	0.015	O	|	|	|	|	0.06
511.000	0.00	0.00	0.015	O	|	|	|	|	0.06
511.167	0.00	0.00	0.015	O	|	|	|	|	0.06
511.333	0.00	0.00	0.015	O	|	|	|	|	0.05

511.500	0.00	0.00	0.015	O					0.05
511.667	0.00	0.00	0.015	O					0.05
511.833	0.00	0.00	0.015	O					0.05
512.000	0.00	0.00	0.015	O					0.05
512.167	0.00	0.00	0.015	O					0.05
512.333	0.00	0.00	0.015	O					0.05
512.500	0.00	0.00	0.015	O					0.05
512.667	0.00	0.00	0.015	O					0.05
512.833	0.00	0.00	0.015	O					0.05
513.000	0.00	0.00	0.015	O					0.05
513.167	0.00	0.00	0.015	O					0.05
513.333	0.00	0.00	0.015	O					0.05
513.500	0.00	0.00	0.015	O					0.05
513.667	0.00	0.00	0.015	O					0.05
513.833	0.00	0.00	0.015	O					0.05
514.000	0.00	0.00	0.015	O					0.05
514.167	0.00	0.00	0.015	O					0.05
514.333	0.00	0.00	0.015	O					0.05
514.500	0.00	0.00	0.015	O					0.05
514.667	0.00	0.00	0.015	O					0.05
514.833	0.00	0.00	0.015	O					0.05
515.000	0.00	0.00	0.015	O					0.05
515.167	0.00	0.00	0.015	O					0.05
515.333	0.00	0.00	0.015	O					0.05
515.500	0.00	0.00	0.015	O					0.05
515.667	0.00	0.00	0.015	O					0.05
515.833	0.00	0.00	0.015	O					0.05
516.000	0.00	0.00	0.015	O					0.05
516.167	0.00	0.00	0.015	O					0.05
516.333	0.00	0.00	0.015	O					0.05
516.500	0.00	0.00	0.015	O					0.05
516.667	0.00	0.00	0.015	O					0.05
516.833	0.00	0.00	0.015	O					0.05
517.000	0.00	0.00	0.015	O					0.05
517.167	0.00	0.00	0.015	O					0.05
517.333	0.00	0.00	0.015	O					0.05
517.500	0.00	0.00	0.015	O					0.05
517.667	0.00	0.00	0.015	O					0.05
517.833	0.00	0.00	0.015	O					0.05
518.000	0.00	0.00	0.015	O					0.05
518.167	0.00	0.00	0.015	O					0.05
518.333	0.00	0.00	0.014	O					0.05
518.500	0.00	0.00	0.014	O					0.05
518.667	0.00	0.00	0.014	O					0.05
518.833	0.00	0.00	0.014	O					0.05
519.000	0.00	0.00	0.014	O					0.05
519.167	0.00	0.00	0.014	O					0.05
519.333	0.00	0.00	0.014	O					0.05
519.500	0.00	0.00	0.014	O					0.05
519.667	0.00	0.00	0.014	O					0.05
519.833	0.00	0.00	0.014	O					0.05
520.000	0.00	0.00	0.014	O					0.05
520.167	0.00	0.00	0.014	O					0.05
520.333	0.00	0.00	0.014	O					0.05
520.500	0.00	0.00	0.014	O					0.05
520.667	0.00	0.00	0.014	O					0.05
520.833	0.00	0.00	0.014	O					0.05
521.000	0.00	0.00	0.014	O					0.05
521.167	0.00	0.00	0.014	O					0.05
521.333	0.00	0.00	0.014	O					0.05
521.500	0.00	0.00	0.014	O					0.05
521.667	0.00	0.00	0.014	O					0.05
521.833	0.00	0.00	0.014	O					0.05
522.000	0.00	0.00	0.014	O					0.05
522.167	0.00	0.00	0.014	O					0.05
522.333	0.00	0.00	0.014	O					0.05
522.500	0.00	0.00	0.014	O					0.05
522.667	0.00	0.00	0.014	O					0.05
522.833	0.00	0.00	0.014	O					0.05
523.000	0.00	0.00	0.014	O					0.05
523.167	0.00	0.00	0.014	O					0.05
523.333	0.00	0.00	0.014	O					0.05
523.500	0.00	0.00	0.014	O					0.05

523.667	0.00	0.00	0.014	O					0.05
523.833	0.00	0.00	0.014	O					0.05
524.000	0.00	0.00	0.014	O					0.05
524.167	0.00	0.00	0.014	O					0.05
524.333	0.00	0.00	0.014	O					0.05
524.500	0.00	0.00	0.014	O					0.05
524.667	0.00	0.00	0.014	O					0.05
524.833	0.00	0.00	0.014	O					0.05
525.000	0.00	0.00	0.014	O					0.05
525.167	0.00	0.00	0.014	O					0.05
525.333	0.00	0.00	0.014	O					0.05
525.500	0.00	0.00	0.014	O					0.05
525.667	0.00	0.00	0.014	O					0.05
525.833	0.00	0.00	0.014	O					0.05
526.000	0.00	0.00	0.014	O					0.05
526.167	0.00	0.00	0.014	O					0.05
526.333	0.00	0.00	0.014	O					0.05
526.500	0.00	0.00	0.014	O					0.05
526.667	0.00	0.00	0.014	O					0.05
526.833	0.00	0.00	0.014	O					0.05
527.000	0.00	0.00	0.014	O					0.05
527.167	0.00	0.00	0.013	O					0.05
527.333	0.00	0.00	0.013	O					0.05
527.500	0.00	0.00	0.013	O					0.05
527.667	0.00	0.00	0.013	O					0.05
527.833	0.00	0.00	0.013	O					0.05
528.000	0.00	0.00	0.013	O					0.05
528.167	0.00	0.00	0.013	O					0.05
528.333	0.00	0.00	0.013	O					0.05
528.500	0.00	0.00	0.013	O					0.05
528.667	0.00	0.00	0.013	O					0.05
528.833	0.00	0.00	0.013	O					0.05
529.000	0.00	0.00	0.013	O					0.05
529.167	0.00	0.00	0.013	O					0.05
529.333	0.00	0.00	0.013	O					0.05
529.500	0.00	0.00	0.013	O					0.05
529.667	0.00	0.00	0.013	O					0.05
529.833	0.00	0.00	0.013	O					0.05
530.000	0.00	0.00	0.013	O					0.05
530.167	0.00	0.00	0.013	O					0.05
530.333	0.00	0.00	0.013	O					0.05
530.500	0.00	0.00	0.013	O					0.05
530.667	0.00	0.00	0.013	O					0.05
530.833	0.00	0.00	0.013	O					0.05
531.000	0.00	0.00	0.013	O					0.05
531.167	0.00	0.00	0.013	O					0.05
531.333	0.00	0.00	0.013	O					0.05
531.500	0.00	0.00	0.013	O					0.05
531.667	0.00	0.00	0.013	O					0.05
531.833	0.00	0.00	0.013	O					0.05
532.000	0.00	0.00	0.013	O					0.05
532.167	0.00	0.00	0.013	O					0.05
532.333	0.00	0.00	0.013	O					0.05
532.500	0.00	0.00	0.013	O					0.05
532.667	0.00	0.00	0.013	O					0.05
532.833	0.00	0.00	0.013	O					0.05
533.000	0.00	0.00	0.013	O					0.05
533.167	0.00	0.00	0.013	O					0.05
533.333	0.00	0.00	0.013	O					0.05
533.500	0.00	0.00	0.013	O					0.05
533.667	0.00	0.00	0.013	O					0.05
533.833	0.00	0.00	0.013	O					0.05
534.000	0.00	0.00	0.013	O					0.05
534.167	0.00	0.00	0.013	O					0.05
534.333	0.00	0.00	0.013	O					0.05
534.500	0.00	0.00	0.013	O					0.05
534.667	0.00	0.00	0.013	O					0.05
534.833	0.00	0.00	0.013	O					0.05
535.000	0.00	0.00	0.013	O					0.05
535.167	0.00	0.00	0.013	O					0.05
535.333	0.00	0.00	0.013	O					0.05
535.500	0.00	0.00	0.013	O					0.05
535.667	0.00	0.00	0.013	O					0.05

535.833	0.00	0.00	0.013	O	|	|	|	|	0.04
536.000	0.00	0.00	0.013	O	|	|	|	|	0.04
536.167	0.00	0.00	0.013	O	|	|	|	|	0.04
536.333	0.00	0.00	0.013	O	|	|	|	|	0.04
536.500	0.00	0.00	0.012	O	|	|	|	|	0.04
536.667	0.00	0.00	0.012	O	|	|	|	|	0.04
536.833	0.00	0.00	0.012	O	|	|	|	|	0.04
537.000	0.00	0.00	0.012	O	|	|	|	|	0.04
537.167	0.00	0.00	0.012	O	|	|	|	|	0.04
537.333	0.00	0.00	0.012	O	|	|	|	|	0.04
537.500	0.00	0.00	0.012	O	|	|	|	|	0.04
537.667	0.00	0.00	0.012	O	|	|	|	|	0.04
537.833	0.00	0.00	0.012	O	|	|	|	|	0.04
538.000	0.00	0.00	0.012	O	|	|	|	|	0.04
538.167	0.00	0.00	0.012	O	|	|	|	|	0.04
538.333	0.00	0.00	0.012	O	|	|	|	|	0.04
538.500	0.00	0.00	0.012	O	|	|	|	|	0.04
538.667	0.00	0.00	0.012	O	|	|	|	|	0.04
538.833	0.00	0.00	0.012	O	|	|	|	|	0.04
539.000	0.00	0.00	0.012	O	|	|	|	|	0.04
539.167	0.00	0.00	0.012	O	|	|	|	|	0.04
539.333	0.00	0.00	0.012	O	|	|	|	|	0.04
539.500	0.00	0.00	0.012	O	|	|	|	|	0.04
539.667	0.00	0.00	0.012	O	|	|	|	|	0.04
539.833	0.00	0.00	0.012	O	|	|	|	|	0.04
540.000	0.00	0.00	0.012	O	|	|	|	|	0.04
540.167	0.00	0.00	0.012	O	|	|	|	|	0.04
540.333	0.00	0.00	0.012	O	|	|	|	|	0.04
540.500	0.00	0.00	0.012	O	|	|	|	|	0.04
540.667	0.00	0.00	0.012	O	|	|	|	|	0.04
540.833	0.00	0.00	0.012	O	|	|	|	|	0.04
541.000	0.00	0.00	0.012	O	|	|	|	|	0.04
541.167	0.00	0.00	0.012	O	|	|	|	|	0.04
541.333	0.00	0.00	0.012	O	|	|	|	|	0.04
541.500	0.00	0.00	0.012	O	|	|	|	|	0.04
541.667	0.00	0.00	0.012	O	|	|	|	|	0.04
541.833	0.00	0.00	0.012	O	|	|	|	|	0.04
542.000	0.00	0.00	0.012	O	|	|	|	|	0.04
542.167	0.00	0.00	0.012	O	|	|	|	|	0.04
542.333	0.00	0.00	0.012	O	|	|	|	|	0.04
542.500	0.00	0.00	0.012	O	|	|	|	|	0.04
542.667	0.00	0.00	0.012	O	|	|	|	|	0.04
542.833	0.00	0.00	0.012	O	|	|	|	|	0.04
543.000	0.00	0.00	0.012	O	|	|	|	|	0.04
543.167	0.00	0.00	0.012	O	|	|	|	|	0.04
543.333	0.00	0.00	0.012	O	|	|	|	|	0.04
543.500	0.00	0.00	0.012	O	|	|	|	|	0.04
543.667	0.00	0.00	0.012	O	|	|	|	|	0.04
543.833	0.00	0.00	0.012	O	|	|	|	|	0.04
544.000	0.00	0.00	0.012	O	|	|	|	|	0.04
544.167	0.00	0.00	0.012	O	|	|	|	|	0.04
544.333	0.00	0.00	0.012	O	|	|	|	|	0.04
544.500	0.00	0.00	0.012	O	|	|	|	|	0.04
544.667	0.00	0.00	0.012	O	|	|	|	|	0.04
544.833	0.00	0.00	0.012	O	|	|	|	|	0.04
545.000	0.00	0.00	0.012	O	|	|	|	|	0.04
545.167	0.00	0.00	0.012	O	|	|	|	|	0.04
545.333	0.00	0.00	0.012	O	|	|	|	|	0.04
545.500	0.00	0.00	0.012	O	|	|	|	|	0.04
545.667	0.00	0.00	0.012	O	|	|	|	|	0.04
545.833	0.00	0.00	0.012	O	|	|	|	|	0.04
546.000	0.00	0.00	0.012	O	|	|	|	|	0.04
546.167	0.00	0.00	0.012	O	|	|	|	|	0.04
546.333	0.00	0.00	0.012	O	|	|	|	|	0.04
546.500	0.00	0.00	0.012	O	|	|	|	|	0.04
546.667	0.00	0.00	0.011	O	|	|	|	|	0.04
546.833	0.00	0.00	0.011	O	|	|	|	|	0.04
547.000	0.00	0.00	0.011	O	|	|	|	|	0.04
547.167	0.00	0.00	0.011	O	|	|	|	|	0.04
547.333	0.00	0.00	0.011	O	|	|	|	|	0.04
547.500	0.00	0.00	0.011	O	|	|	|	|	0.04
547.667	0.00	0.00	0.011	O	|	|	|	|	0.04
547.833	0.00	0.00	0.011	O	|	|	|	|	0.04

548.000	0.00	0.00	0.011	O					0.04
548.167	0.00	0.00	0.011	O					0.04
548.333	0.00	0.00	0.011	O					0.04
548.500	0.00	0.00	0.011	O					0.04
548.667	0.00	0.00	0.011	O					0.04
548.833	0.00	0.00	0.011	O					0.04
549.000	0.00	0.00	0.011	O					0.04
549.167	0.00	0.00	0.011	O					0.04
549.333	0.00	0.00	0.011	O					0.04
549.500	0.00	0.00	0.011	O					0.04
549.667	0.00	0.00	0.011	O					0.04
549.833	0.00	0.00	0.011	O					0.04
550.000	0.00	0.00	0.011	O					0.04
550.167	0.00	0.00	0.011	O					0.04
550.333	0.00	0.00	0.011	O					0.04
550.500	0.00	0.00	0.011	O					0.04
550.667	0.00	0.00	0.011	O					0.04
550.833	0.00	0.00	0.011	O					0.04
551.000	0.00	0.00	0.011	O					0.04
551.167	0.00	0.00	0.011	O					0.04
551.333	0.00	0.00	0.011	O					0.04
551.500	0.00	0.00	0.011	O					0.04
551.667	0.00	0.00	0.011	O					0.04
551.833	0.00	0.00	0.011	O					0.04
552.000	0.00	0.00	0.011	O					0.04
552.167	0.00	0.00	0.011	O					0.04
552.333	0.00	0.00	0.011	O					0.04
552.500	0.00	0.00	0.011	O					0.04
552.667	0.00	0.00	0.011	O					0.04
552.833	0.00	0.00	0.011	O					0.04
553.000	0.00	0.00	0.011	O					0.04
553.167	0.00	0.00	0.011	O					0.04
553.333	0.00	0.00	0.011	O					0.04
553.500	0.00	0.00	0.011	O					0.04
553.667	0.00	0.00	0.011	O					0.04
553.833	0.00	0.00	0.011	O					0.04
554.000	0.00	0.00	0.011	O					0.04
554.167	0.00	0.00	0.011	O					0.04
554.333	0.00	0.00	0.011	O					0.04
554.500	0.00	0.00	0.011	O					0.04
554.667	0.00	0.00	0.011	O					0.04
554.833	0.00	0.00	0.011	O					0.04
555.000	0.00	0.00	0.011	O					0.04
555.167	0.00	0.00	0.011	O					0.04
555.333	0.00	0.00	0.011	O					0.04
555.500	0.00	0.00	0.011	O					0.04
555.667	0.00	0.00	0.011	O					0.04
555.833	0.00	0.00	0.011	O					0.04
556.000	0.00	0.00	0.011	O					0.04
556.167	0.00	0.00	0.011	O					0.04
556.333	0.00	0.00	0.011	O					0.04
556.500	0.00	0.00	0.011	O					0.04
556.667	0.00	0.00	0.011	O					0.04
556.833	0.00	0.00	0.011	O					0.04
557.000	0.00	0.00	0.011	O					0.04
557.167	0.00	0.00	0.011	O					0.04
557.333	0.00	0.00	0.011	O					0.04
557.500	0.00	0.00	0.011	O					0.04
557.667	0.00	0.00	0.011	O					0.04
557.833	0.00	0.00	0.010	O					0.04
558.000	0.00	0.00	0.010	O					0.04
558.167	0.00	0.00	0.010	O					0.04
558.333	0.00	0.00	0.010	O					0.04
558.500	0.00	0.00	0.010	O					0.04
558.667	0.00	0.00	0.010	O					0.04
558.833	0.00	0.00	0.010	O					0.04
559.000	0.00	0.00	0.010	O					0.04
559.167	0.00	0.00	0.010	O					0.04
559.333	0.00	0.00	0.010	O					0.04
559.500	0.00	0.00	0.010	O					0.04
559.667	0.00	0.00	0.010	O					0.04
559.833	0.00	0.00	0.010	O					0.04
560.000	0.00	0.00	0.010	O					0.04

560.167	0.00	0.00	0.010	O	|	|	|	0.04
560.333	0.00	0.00	0.010	O	|	|	|	0.04
560.500	0.00	0.00	0.010	O	|	|	|	0.04
560.667	0.00	0.00	0.010	O	|	|	|	0.04
560.833	0.00	0.00	0.010	O	|	|	|	0.04
561.000	0.00	0.00	0.010	O	|	|	|	0.04
561.167	0.00	0.00	0.010	O	|	|	|	0.04
561.333	0.00	0.00	0.010	O	|	|	|	0.04
561.500	0.00	0.00	0.010	O	|	|	|	0.04
561.667	0.00	0.00	0.010	O	|	|	|	0.04
561.833	0.00	0.00	0.010	O	|	|	|	0.04
562.000	0.00	0.00	0.010	O	|	|	|	0.04
562.167	0.00	0.00	0.010	O	|	|	|	0.04
562.333	0.00	0.00	0.010	O	|	|	|	0.04

Remaining water in basin = 0.01 (Ac.Ft)

**********HYDROGRAPH DATA**********

Number of intervals = 3374
Time interval = 10.0 (Min.)
Maximum/Peak flow rate = 9.065 (CFS)
Total volume = 2.416 (Ac.Ft)

Status of hydrographs being held in storage

	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5
Peak (CFS)	0.000	0.000	0.000	0.000	0.000
Vol (Ac.Ft)	0.000	0.000	0.000	0.000	0.000

****

U n i t H y d r o g r a p h A n a l y s i s

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Study date 08/02/23

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San Bernardino County Synthetic Unit Hydrology Method
Manual date - August 1986

Program License Serial Number 6481

Pre-Development Condition
Unit Hydragh Method
Development Site Area
2-Year, 24-Hour Storm, for HCOC_WQMP Calculation

Storm Event Year = 2

Antecedent Moisture Condition = 1

English (in-lb) Input Units Used

English Rainfall Data (Inches) Input Values Used

English Units used in output format

Area averaged rainfall intensity isohyetal data:

Sub-Area (Ac.)	Duration (hours)	Isohyetal (In)
Rainfall data for year 2		
17.45	1	0.59
Rainfall data for year 2		
17.45	6	1.52
Rainfall data for year 2		
17.45	24	2.93

++

******** Area-averaged max loss rate, Fm ********

SCS curve No.(AMCII)	SCS curve NO.(AMC 1)	Area (Ac.)	Area Fraction	Fp(Fig C6) (In/Hr)	Ap (dec.)	Fm (In/Hr)
67.0	47.4	17.45	1.000	0.840	1.000	0.840

Area-averaged adjusted loss rate Fm (In/Hr) = 0.840

********* Area-Averaged low loss rate fraction, Yb **********

Area (Ac.)	Area Fract	SCS CN (AMC2)	SCS CN (AMC1)	S	Pervious Yield Fr
17.45	1.000	67.0	47.4	11.10	0.015

Area-averaged catchment yield fraction, Y = 0.015
Area-averaged low loss fraction, Yb = 0.985
User entry of time of concentration = 0.220 (hours)

++

Watershed area = 17.45(Ac.)
Catchment Lag time = 0.176 hours
Unit interval = 5.000 minutes

Unit interval percentage of lag time = 47.3485
Hydrograph baseflow = 0.00(CFS)
Average maximum watershed loss rate(Fm) = 0.840(In/Hr)
Average low loss rate fraction (Yb) = 0.985 (decimal)
VALLEY UNDEVELOPED S-Graph Selected
Computed peak 5-minute rainfall = 0.219(In)
Computed peak 30-minute rainfall = 0.449(In)
Specified peak 1-hour rainfall = 0.592(In)
Computed peak 3-hour rainfall = 1.055(In)
Specified peak 6-hour rainfall = 1.520(In)
Specified peak 24-hour rainfall = 2.930(In)

Rainfall depth area reduction factors:
Using a total area of 17.45(Ac.) (Ref: fig. E-4)

5-minute factor = 0.999 Adjusted rainfall = 0.219(In)
30-minute factor = 0.999 Adjusted rainfall = 0.448(In)
1-hour factor = 0.999 Adjusted rainfall = 0.592(In)
3-hour factor = 1.000 Adjusted rainfall = 1.055(In)
6-hour factor = 1.000 Adjusted rainfall = 1.520(In)
24-hour factor = 1.000 Adjusted rainfall = 2.930(In)

U n i t H y d r o g r a p h

Interval Number	'S' Graph Mean values	Unit Hydrograph ((CFS))
	(K = 211.04 (CFS))	
1	5.634	11.890
2	29.530	50.429
3	58.439	61.007
4	72.428	29.522
5	79.506	14.937
6	84.380	10.287
7	87.934	7.499
8	90.667	5.768
9	92.722	4.337
10	94.282	3.293
11	95.678	2.946
12	96.765	2.294
13	97.643	1.853
14	98.342	1.474
15	98.866	1.105
16	99.339	0.999
17	100.000	0.500

Peak Unit Number	Adjusted mass rainfall (In)	Unit rainfall (In)
1	0.2189	0.2189
2	0.2889	0.0699
3	0.3397	0.0509
4	0.3812	0.0414
5	0.4168	0.0356
6	0.4483	0.0315
7	0.4768	0.0285
8	0.5030	0.0262
9	0.5272	0.0243
10	0.5499	0.0227
11	0.5713	0.0214
12	0.5915	0.0202
13	0.6170	0.0255
14	0.6416	0.0246
15	0.6653	0.0238
16	0.6883	0.0230
17	0.7107	0.0223
18	0.7324	0.0217
19	0.7536	0.0212
20	0.7742	0.0206
21	0.7944	0.0202
22	0.8141	0.0197

23	0.8334	0.0193
24	0.8523	0.0189
25	0.8708	0.0185
26	0.8890	0.0182
27	0.9069	0.0179
28	0.9244	0.0175
29	0.9417	0.0173
30	0.9586	0.0170
31	0.9753	0.0167
32	0.9918	0.0165
33	1.0080	0.0162
34	1.0240	0.0160
35	1.0397	0.0158
36	1.0553	0.0155
37	1.0706	0.0153
38	1.0858	0.0151
39	1.1007	0.0149
40	1.1155	0.0148
41	1.1301	0.0146
42	1.1445	0.0144
43	1.1588	0.0143
44	1.1729	0.0141
45	1.1868	0.0140
46	1.2006	0.0138
47	1.2143	0.0137
48	1.2278	0.0135
49	1.2412	0.0134
50	1.2545	0.0133
51	1.2676	0.0131
52	1.2807	0.0130
53	1.2936	0.0129
54	1.3063	0.0128
55	1.3190	0.0127
56	1.3316	0.0126
57	1.3441	0.0125
58	1.3564	0.0124
59	1.3687	0.0123
60	1.3808	0.0122
61	1.3929	0.0121
62	1.4049	0.0120
63	1.4168	0.0119
64	1.4286	0.0118
65	1.4403	0.0117
66	1.4519	0.0116
67	1.4634	0.0115
68	1.4749	0.0115
69	1.4862	0.0114
70	1.4975	0.0113
71	1.5088	0.0112
72	1.5199	0.0111
73	1.5299	0.0100
74	1.5398	0.0099
75	1.5496	0.0098
76	1.5593	0.0097
77	1.5690	0.0097
78	1.5786	0.0096
79	1.5882	0.0095
80	1.5977	0.0095
81	1.6071	0.0094
82	1.6164	0.0094
83	1.6257	0.0093
84	1.6350	0.0092
85	1.6442	0.0092
86	1.6533	0.0091
87	1.6624	0.0091
88	1.6714	0.0090
89	1.6804	0.0090
90	1.6893	0.0089
91	1.6981	0.0089
92	1.7069	0.0088
93	1.7157	0.0088
94	1.7244	0.0087
95	1.7331	0.0087

96	1.7417	0.0086
97	1.7503	0.0086
98	1.7588	0.0085
99	1.7672	0.0085
100	1.7757	0.0084
101	1.7841	0.0084
102	1.7924	0.0083
103	1.8007	0.0083
104	1.8090	0.0083
105	1.8172	0.0082
106	1.8253	0.0082
107	1.8335	0.0081
108	1.8416	0.0081
109	1.8496	0.0081
110	1.8576	0.0080
111	1.8656	0.0080
112	1.8736	0.0079
113	1.8815	0.0079
114	1.8893	0.0079
115	1.8971	0.0078
116	1.9049	0.0078
117	1.9127	0.0078
118	1.9204	0.0077
119	1.9281	0.0077
120	1.9358	0.0077
121	1.9434	0.0076
122	1.9510	0.0076
123	1.9585	0.0076
124	1.9660	0.0075
125	1.9735	0.0075
126	1.9810	0.0075
127	1.9884	0.0074
128	1.9958	0.0074
129	2.0032	0.0074
130	2.0105	0.0073
131	2.0178	0.0073
132	2.0251	0.0073
133	2.0324	0.0072
134	2.0396	0.0072
135	2.0468	0.0072
136	2.0539	0.0072
137	2.0611	0.0071
138	2.0682	0.0071
139	2.0753	0.0071
140	2.0823	0.0071
141	2.0893	0.0070
142	2.0963	0.0070
143	2.1033	0.0070
144	2.1103	0.0070
145	2.1172	0.0069
146	2.1241	0.0069
147	2.1310	0.0069
148	2.1378	0.0069
149	2.1447	0.0068
150	2.1515	0.0068
151	2.1582	0.0068
152	2.1650	0.0068
153	2.1717	0.0067
154	2.1784	0.0067
155	2.1851	0.0067
156	2.1918	0.0067
157	2.1984	0.0066
158	2.2050	0.0066
159	2.2116	0.0066
160	2.2182	0.0066
161	2.2248	0.0066
162	2.2313	0.0065
163	2.2378	0.0065
164	2.2443	0.0065
165	2.2508	0.0065
166	2.2572	0.0064
167	2.2636	0.0064
168	2.2700	0.0064

169	2.2764	0.0064
170	2.2828	0.0064
171	2.2891	0.0063
172	2.2955	0.0063
173	2.3018	0.0063
174	2.3081	0.0063
175	2.3143	0.0063
176	2.3206	0.0063
177	2.3268	0.0062
178	2.3330	0.0062
179	2.3392	0.0062
180	2.3454	0.0062
181	2.3516	0.0062
182	2.3577	0.0061
183	2.3638	0.0061
184	2.3699	0.0061
185	2.3760	0.0061
186	2.3821	0.0061
187	2.3882	0.0061
188	2.3942	0.0060
189	2.4002	0.0060
190	2.4062	0.0060
191	2.4122	0.0060
192	2.4182	0.0060
193	2.4241	0.0060
194	2.4301	0.0059
195	2.4360	0.0059
196	2.4419	0.0059
197	2.4478	0.0059
198	2.4537	0.0059
199	2.4595	0.0059
200	2.4654	0.0058
201	2.4712	0.0058
202	2.4770	0.0058
203	2.4828	0.0058
204	2.4886	0.0058
205	2.4944	0.0058
206	2.5001	0.0058
207	2.5059	0.0057
208	2.5116	0.0057
209	2.5173	0.0057
210	2.5230	0.0057
211	2.5287	0.0057
212	2.5343	0.0057
213	2.5400	0.0057
214	2.5456	0.0056
215	2.5513	0.0056
216	2.5569	0.0056
217	2.5625	0.0056
218	2.5680	0.0056
219	2.5736	0.0056
220	2.5792	0.0056
221	2.5847	0.0055
222	2.5902	0.0055
223	2.5958	0.0055
224	2.6013	0.0055
225	2.6068	0.0055
226	2.6122	0.0055
227	2.6177	0.0055
228	2.6232	0.0055
229	2.6286	0.0054
230	2.6340	0.0054
231	2.6394	0.0054
232	2.6448	0.0054
233	2.6502	0.0054
234	2.6556	0.0054
235	2.6610	0.0054
236	2.6663	0.0054
237	2.6717	0.0053
238	2.6770	0.0053
239	2.6823	0.0053
240	2.6876	0.0053
241	2.6929	0.0053

242	2.6982	0.0053
243	2.7035	0.0053
244	2.7088	0.0053
245	2.7140	0.0053
246	2.7192	0.0052
247	2.7245	0.0052
248	2.7297	0.0052
249	2.7349	0.0052
250	2.7401	0.0052
251	2.7453	0.0052
252	2.7504	0.0052
253	2.7556	0.0052
254	2.7608	0.0052
255	2.7659	0.0051
256	2.7710	0.0051
257	2.7761	0.0051
258	2.7813	0.0051
259	2.7864	0.0051
260	2.7914	0.0051
261	2.7965	0.0051
262	2.8016	0.0051
263	2.8066	0.0051
264	2.8117	0.0050
265	2.8167	0.0050
266	2.8218	0.0050
267	2.8268	0.0050
268	2.8318	0.0050
269	2.8368	0.0050
270	2.8418	0.0050
271	2.8467	0.0050
272	2.8517	0.0050
273	2.8567	0.0050
274	2.8616	0.0049
275	2.8666	0.0049
276	2.8715	0.0049
277	2.8764	0.0049
278	2.8813	0.0049
279	2.8862	0.0049
280	2.8911	0.0049
281	2.8960	0.0049
282	2.9009	0.0049
283	2.9057	0.0049
284	2.9106	0.0049
285	2.9154	0.0048
286	2.9203	0.0048
287	2.9251	0.0048
288	2.9299	0.0048

Unit Period (number)	Unit Rainfall (In)	Unit Soil-Loss (In)	Effective Rainfall (In)
1	0.0048	0.0048	0.0001
2	0.0048	0.0048	0.0001
3	0.0048	0.0048	0.0001
4	0.0049	0.0048	0.0001
5	0.0049	0.0048	0.0001
6	0.0049	0.0048	0.0001
7	0.0049	0.0048	0.0001
8	0.0049	0.0048	0.0001
9	0.0049	0.0049	0.0001
10	0.0049	0.0049	0.0001
11	0.0050	0.0049	0.0001
12	0.0050	0.0049	0.0001
13	0.0050	0.0049	0.0001
14	0.0050	0.0049	0.0001
15	0.0050	0.0049	0.0001
16	0.0050	0.0050	0.0001
17	0.0050	0.0050	0.0001
18	0.0051	0.0050	0.0001
19	0.0051	0.0050	0.0001
20	0.0051	0.0050	0.0001
21	0.0051	0.0050	0.0001

22	0.0051	0.0050	0.0001
23	0.0051	0.0051	0.0001
24	0.0052	0.0051	0.0001
25	0.0052	0.0051	0.0001
26	0.0052	0.0051	0.0001
27	0.0052	0.0051	0.0001
28	0.0052	0.0051	0.0001
29	0.0052	0.0052	0.0001
30	0.0053	0.0052	0.0001
31	0.0053	0.0052	0.0001
32	0.0053	0.0052	0.0001
33	0.0053	0.0052	0.0001
34	0.0053	0.0052	0.0001
35	0.0053	0.0053	0.0001
36	0.0054	0.0053	0.0001
37	0.0054	0.0053	0.0001
38	0.0054	0.0053	0.0001
39	0.0054	0.0053	0.0001
40	0.0054	0.0053	0.0001
41	0.0055	0.0054	0.0001
42	0.0055	0.0054	0.0001
43	0.0055	0.0054	0.0001
44	0.0055	0.0054	0.0001
45	0.0055	0.0054	0.0001
46	0.0055	0.0055	0.0001
47	0.0056	0.0055	0.0001
48	0.0056	0.0055	0.0001
49	0.0056	0.0055	0.0001
50	0.0056	0.0055	0.0001
51	0.0057	0.0056	0.0001
52	0.0057	0.0056	0.0001
53	0.0057	0.0056	0.0001
54	0.0057	0.0056	0.0001
55	0.0057	0.0057	0.0001
56	0.0058	0.0057	0.0001
57	0.0058	0.0057	0.0001
58	0.0058	0.0057	0.0001
59	0.0058	0.0057	0.0001
60	0.0058	0.0058	0.0001
61	0.0059	0.0058	0.0001
62	0.0059	0.0058	0.0001
63	0.0059	0.0058	0.0001
64	0.0059	0.0059	0.0001
65	0.0060	0.0059	0.0001
66	0.0060	0.0059	0.0001
67	0.0060	0.0059	0.0001
68	0.0060	0.0059	0.0001
69	0.0061	0.0060	0.0001
70	0.0061	0.0060	0.0001
71	0.0061	0.0060	0.0001
72	0.0061	0.0061	0.0001
73	0.0062	0.0061	0.0001
74	0.0062	0.0061	0.0001
75	0.0062	0.0061	0.0001
76	0.0063	0.0062	0.0001
77	0.0063	0.0062	0.0001
78	0.0063	0.0062	0.0001
79	0.0063	0.0063	0.0001
80	0.0064	0.0063	0.0001
81	0.0064	0.0063	0.0001
82	0.0064	0.0063	0.0001
83	0.0065	0.0064	0.0001
84	0.0065	0.0064	0.0001
85	0.0065	0.0064	0.0001
86	0.0066	0.0065	0.0001
87	0.0066	0.0065	0.0001
88	0.0066	0.0065	0.0001
89	0.0067	0.0066	0.0001
90	0.0067	0.0066	0.0001
91	0.0067	0.0066	0.0001
92	0.0068	0.0067	0.0001
93	0.0068	0.0067	0.0001
94	0.0068	0.0067	0.0001

95	0.0069	0.0068	0.0001
96	0.0069	0.0068	0.0001
97	0.0070	0.0068	0.0001
98	0.0070	0.0069	0.0001
99	0.0070	0.0069	0.0001
100	0.0071	0.0070	0.0001
101	0.0071	0.0070	0.0001
102	0.0071	0.0070	0.0001
103	0.0072	0.0071	0.0001
104	0.0072	0.0071	0.0001
105	0.0073	0.0072	0.0001
106	0.0073	0.0072	0.0001
107	0.0074	0.0073	0.0001
108	0.0074	0.0073	0.0001
109	0.0075	0.0074	0.0001
110	0.0075	0.0074	0.0001
111	0.0076	0.0074	0.0001
112	0.0076	0.0075	0.0001
113	0.0077	0.0075	0.0001
114	0.0077	0.0076	0.0001
115	0.0078	0.0076	0.0001
116	0.0078	0.0077	0.0001
117	0.0079	0.0077	0.0001
118	0.0079	0.0078	0.0001
119	0.0080	0.0079	0.0001
120	0.0080	0.0079	0.0001
121	0.0081	0.0080	0.0001
122	0.0081	0.0080	0.0001
123	0.0082	0.0081	0.0001
124	0.0083	0.0081	0.0001
125	0.0083	0.0082	0.0001
126	0.0084	0.0083	0.0001
127	0.0085	0.0084	0.0001
128	0.0085	0.0084	0.0001
129	0.0086	0.0085	0.0001
130	0.0087	0.0085	0.0001
131	0.0088	0.0086	0.0001
132	0.0088	0.0087	0.0001
133	0.0089	0.0088	0.0001
134	0.0090	0.0088	0.0001
135	0.0091	0.0089	0.0001
136	0.0091	0.0090	0.0001
137	0.0092	0.0091	0.0001
138	0.0093	0.0092	0.0001
139	0.0094	0.0093	0.0001
140	0.0095	0.0093	0.0001
141	0.0096	0.0095	0.0001
142	0.0097	0.0095	0.0001
143	0.0098	0.0097	0.0001
144	0.0099	0.0097	0.0001
145	0.0111	0.0110	0.0002
146	0.0112	0.0111	0.0002
147	0.0114	0.0112	0.0002
148	0.0115	0.0113	0.0002
149	0.0116	0.0115	0.0002
150	0.0117	0.0115	0.0002
151	0.0119	0.0117	0.0002
152	0.0120	0.0118	0.0002
153	0.0122	0.0120	0.0002
154	0.0123	0.0121	0.0002
155	0.0125	0.0123	0.0002
156	0.0126	0.0124	0.0002
157	0.0128	0.0126	0.0002
158	0.0129	0.0127	0.0002
159	0.0131	0.0130	0.0002
160	0.0133	0.0131	0.0002
161	0.0135	0.0133	0.0002
162	0.0137	0.0135	0.0002
163	0.0140	0.0138	0.0002
164	0.0141	0.0139	0.0002
165	0.0144	0.0142	0.0002
166	0.0146	0.0144	0.0002
167	0.0149	0.0147	0.0002

168	0.0151	0.0149	0.0002
169	0.0155	0.0153	0.0002
170	0.0158	0.0155	0.0002
171	0.0162	0.0160	0.0002
172	0.0165	0.0162	0.0002
173	0.0170	0.0167	0.0002
174	0.0173	0.0170	0.0003
175	0.0179	0.0176	0.0003
176	0.0182	0.0179	0.0003
177	0.0189	0.0186	0.0003
178	0.0193	0.0190	0.0003
179	0.0202	0.0199	0.0003
180	0.0206	0.0203	0.0003
181	0.0217	0.0214	0.0003
182	0.0223	0.0220	0.0003
183	0.0238	0.0234	0.0003
184	0.0246	0.0242	0.0004
185	0.0202	0.0199	0.0003
186	0.0214	0.0211	0.0003
187	0.0243	0.0239	0.0004
188	0.0262	0.0258	0.0004
189	0.0315	0.0311	0.0005
190	0.0356	0.0351	0.0005
191	0.0509	0.0501	0.0007
192	0.0699	0.0689	0.0010
193	0.2189	0.0700	0.1489
194	0.0414	0.0408	0.0006
195	0.0285	0.0281	0.0004
196	0.0227	0.0224	0.0003
197	0.0255	0.0251	0.0004
198	0.0230	0.0227	0.0003
199	0.0212	0.0209	0.0003
200	0.0197	0.0194	0.0003
201	0.0185	0.0183	0.0003
202	0.0175	0.0173	0.0003
203	0.0167	0.0165	0.0002
204	0.0160	0.0157	0.0002
205	0.0153	0.0151	0.0002
206	0.0148	0.0146	0.0002
207	0.0143	0.0141	0.0002
208	0.0138	0.0136	0.0002
209	0.0134	0.0132	0.0002
210	0.0130	0.0128	0.0002
211	0.0127	0.0125	0.0002
212	0.0124	0.0122	0.0002
213	0.0121	0.0119	0.0002
214	0.0118	0.0116	0.0002
215	0.0115	0.0114	0.0002
216	0.0113	0.0111	0.0002
217	0.0100	0.0098	0.0001
218	0.0097	0.0096	0.0001
219	0.0095	0.0094	0.0001
220	0.0094	0.0092	0.0001
221	0.0092	0.0091	0.0001
222	0.0090	0.0089	0.0001
223	0.0089	0.0087	0.0001
224	0.0087	0.0086	0.0001
225	0.0086	0.0084	0.0001
226	0.0084	0.0083	0.0001
227	0.0083	0.0082	0.0001
228	0.0082	0.0081	0.0001
229	0.0081	0.0079	0.0001
230	0.0079	0.0078	0.0001
231	0.0078	0.0077	0.0001
232	0.0077	0.0076	0.0001
233	0.0076	0.0075	0.0001
234	0.0075	0.0074	0.0001
235	0.0074	0.0073	0.0001
236	0.0073	0.0072	0.0001
237	0.0072	0.0071	0.0001
238	0.0072	0.0071	0.0001
239	0.0071	0.0070	0.0001
240	0.0070	0.0069	0.0001

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      241              0.0069          0.0068              0.0001
      242              0.0069          0.0068              0.0001
      243              0.0068          0.0067              0.0001
      244              0.0067          0.0066              0.0001
      245              0.0066          0.0065              0.0001
      246              0.0066          0.0065              0.0001
      247              0.0065          0.0064              0.0001
      248              0.0064          0.0064              0.0001
      249              0.0064          0.0063              0.0001
      250              0.0063          0.0062              0.0001
      251              0.0063          0.0062              0.0001
      252              0.0062          0.0061              0.0001
      253              0.0062          0.0061              0.0001
      254              0.0061          0.0060              0.0001
      255              0.0061          0.0060              0.0001
      256              0.0060          0.0059              0.0001
      257              0.0060          0.0059              0.0001
      258              0.0059          0.0058              0.0001
      259              0.0059          0.0058              0.0001
      260              0.0058          0.0057              0.0001
      261              0.0058          0.0057              0.0001
      262              0.0057          0.0056              0.0001
      263              0.0057          0.0056              0.0001
      264              0.0056          0.0056              0.0001
      265              0.0056          0.0055              0.0001
      266              0.0056          0.0055              0.0001
      267              0.0055          0.0054              0.0001
      268              0.0055          0.0054              0.0001
      269              0.0054          0.0054              0.0001
      270              0.0054          0.0053              0.0001
      271              0.0054          0.0053              0.0001
      272              0.0053          0.0053              0.0001
      273              0.0053          0.0052              0.0001
      274              0.0053          0.0052              0.0001
      275              0.0052          0.0052              0.0001
      276              0.0052          0.0051              0.0001
      277              0.0052          0.0051              0.0001
      278              0.0051          0.0051              0.0001
      279              0.0051          0.0050              0.0001
      280              0.0051          0.0050              0.0001
      281              0.0050          0.0050              0.0001
      282              0.0050          0.0049              0.0001
      283              0.0050          0.0049              0.0001
      284              0.0049          0.0049              0.0001
      285              0.0049          0.0048              0.0001
      286              0.0049          0.0048              0.0001
      287              0.0049          0.0048              0.0001
      288              0.0048          0.0048              0.0001
      ------------------------------------------------------------------------
      ------------------------------------------------------------------------
      Total soil rain loss =      2.74(In)
      Total effective rainfall =      0.19(In)
      Peak flow rate in flood hydrograph =      9.18(CFS)
      ------------------------------------------------------------------------
      ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
                          24 - H O U R    S T O R M
                     R u n o f f      H y d r o g r a p h
      ------------------------------------------------------------------------
                   Hydrograph in   5   Minute intervals ((CFS))

      ------------------------------------------------------------------------
Time(h+m) Volume Ac.Ft   Q(CFS)  0        2.5       5.0       7.5      10.0
------------------------------------------------------------------------
  0+ 5       0.0000      0.00  Q         |         |         |         |
  0+10       0.0000      0.00  Q         |         |         |         |
  0+15       0.0001      0.01  Q         |         |         |         |
  0+20       0.0002      0.01  Q         |         |         |         |
  0+25       0.0003      0.01  Q         |         |         |         |
  0+30       0.0003      0.01  Q         |         |         |         |
  0+35       0.0004      0.01  Q         |         |         |         |
  0+40       0.0005      0.01  Q         |         |         |         |
  0+45       0.0006      0.01  Q         |         |         |         |
  0+50       0.0007      0.01  Q         |         |         |         |
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0+55	0.0008	0.01	Q				
1+ 0	0.0009	0.01	Q				
1+ 5	0.0010	0.01	Q				
1+10	0.0011	0.02	Q				
1+15	0.0012	0.02	Q				
1+20	0.0013	0.02	Q				
1+25	0.0014	0.02	Q				
1+30	0.0015	0.02	Q				
1+35	0.0017	0.02	Q				
1+40	0.0018	0.02	Q				
1+45	0.0019	0.02	Q				
1+50	0.0020	0.02	Q				
1+55	0.0021	0.02	Q				
2+ 0	0.0022	0.02	Q				
2+ 5	0.0023	0.02	Q				
2+10	0.0024	0.02	Q				
2+15	0.0025	0.02	Q				
2+20	0.0026	0.02	Q				
2+25	0.0027	0.02	Q				
2+30	0.0028	0.02	Q				
2+35	0.0030	0.02	Q				
2+40	0.0031	0.02	Q				
2+45	0.0032	0.02	Q				
2+50	0.0033	0.02	Q				
2+55	0.0034	0.02	Q				
3+ 0	0.0035	0.02	Q				
3+ 5	0.0036	0.02	Q				
3+10	0.0037	0.02	Q				
3+15	0.0038	0.02	Q				
3+20	0.0040	0.02	Q				
3+25	0.0041	0.02	Q				
3+30	0.0042	0.02	Q				
3+35	0.0043	0.02	Q				
3+40	0.0044	0.02	Q				
3+45	0.0045	0.02	Q				
3+50	0.0046	0.02	Q				
3+55	0.0048	0.02	Q				
4+ 0	0.0049	0.02	Q				
4+ 5	0.0050	0.02	Q				
4+10	0.0051	0.02	Q				
4+15	0.0052	0.02	Q				
4+20	0.0054	0.02	Q				
4+25	0.0055	0.02	Q				
4+30	0.0056	0.02	Q				
4+35	0.0057	0.02	Q				
4+40	0.0058	0.02	Q				
4+45	0.0060	0.02	Q				
4+50	0.0061	0.02	Q				
4+55	0.0062	0.02	Q				
5+ 0	0.0063	0.02	Q				
5+ 5	0.0064	0.02	Q				
5+10	0.0066	0.02	Q				
5+15	0.0067	0.02	Q				
5+20	0.0068	0.02	Q				
5+25	0.0069	0.02	QV				
5+30	0.0071	0.02	QV				
5+35	0.0072	0.02	QV				
5+40	0.0073	0.02	QV				
5+45	0.0074	0.02	QV				
5+50	0.0076	0.02	QV				
5+55	0.0077	0.02	QV				
6+ 0	0.0078	0.02	QV				
6+ 5	0.0079	0.02	QV				
6+10	0.0081	0.02	QV				
6+15	0.0082	0.02	QV				
6+20	0.0083	0.02	QV				
6+25	0.0085	0.02	QV				
6+30	0.0086	0.02	QV				
6+35	0.0087	0.02	QV				
6+40	0.0089	0.02	QV				
6+45	0.0090	0.02	QV				
6+50	0.0091	0.02	QV				
6+55	0.0093	0.02	QV				

7+ 0	0.0094	0.02	QV				
7+ 5	0.0095	0.02	QV				
7+10	0.0097	0.02	QV				
7+15	0.0098	0.02	QV				
7+20	0.0099	0.02	QV				
7+25	0.0101	0.02	QV				
7+30	0.0102	0.02	QV				
7+35	0.0104	0.02	QV				
7+40	0.0105	0.02	QV				
7+45	0.0106	0.02	QV				
7+50	0.0108	0.02	QV				
7+55	0.0109	0.02	QV				
8+ 0	0.0111	0.02	QV				
8+ 5	0.0112	0.02	QV				
8+10	0.0114	0.02	QV				
8+15	0.0115	0.02	QV				
8+20	0.0117	0.02	QV				
8+25	0.0118	0.02	QV				
8+30	0.0120	0.02	QV				
8+35	0.0121	0.02	QV				
8+40	0.0123	0.02	QV				
8+45	0.0124	0.02	QV				
8+50	0.0126	0.02	QV				
8+55	0.0127	0.02	QV				
9+ 0	0.0129	0.02	QV				
9+ 5	0.0130	0.02	QV				
9+10	0.0132	0.02	QV				
9+15	0.0133	0.02	QV				
9+20	0.0135	0.02	QV				
9+25	0.0136	0.02	Q V				
9+30	0.0138	0.02	Q V				
9+35	0.0140	0.02	Q V				
9+40	0.0141	0.02	Q V				
9+45	0.0143	0.02	Q V				
9+50	0.0145	0.02	Q V				
9+55	0.0146	0.02	Q V				
10+ 0	0.0148	0.02	Q V				
10+ 5	0.0149	0.02	Q V				
10+10	0.0151	0.02	Q V				
10+15	0.0153	0.02	Q V				
10+20	0.0155	0.02	Q V				
10+25	0.0156	0.02	Q V				
10+30	0.0158	0.03	Q V				
10+35	0.0160	0.03	Q V				
10+40	0.0162	0.03	Q V				
10+45	0.0163	0.03	Q V				
10+50	0.0165	0.03	Q V				
10+55	0.0167	0.03	Q V				
11+ 0	0.0169	0.03	Q V				
11+ 5	0.0171	0.03	Q V				
11+10	0.0172	0.03	Q V				
11+15	0.0174	0.03	Q V				
11+20	0.0176	0.03	Q V				
11+25	0.0178	0.03	Q V				
11+30	0.0180	0.03	Q V				
11+35	0.0182	0.03	Q V				
11+40	0.0184	0.03	Q V				
11+45	0.0186	0.03	Q V				
11+50	0.0188	0.03	Q V				
11+55	0.0190	0.03	Q V				
12+ 0	0.0192	0.03	Q V				
12+ 5	0.0194	0.03	Q V				
12+10	0.0196	0.03	Q V				
12+15	0.0198	0.03	Q V				
12+20	0.0201	0.03	Q V				
12+25	0.0203	0.03	Q V				
12+30	0.0205	0.03	Q V				
12+35	0.0208	0.03	Q V				
12+40	0.0210	0.04	Q V				
12+45	0.0213	0.04	Q V				
12+50	0.0215	0.04	Q V				
12+55	0.0218	0.04	Q V				
13+ 0	0.0220	0.04	Q V				

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13+ 5       0.0223      0.04  Q  V      |          |          |          |
13+10       0.0225      0.04  Q  V      |          |          |          |
13+15       0.0228      0.04  Q  V      |          |          |          |
13+20       0.0231      0.04  Q  V      |          |          |          |
13+25       0.0233      0.04  Q  V      |          |          |          |
13+30       0.0236      0.04  Q  V      |          |          |          |
13+35       0.0239      0.04  Q  V      |          |          |          |
13+40       0.0242      0.04  Q  V      |          |          |          |
13+45       0.0245      0.04  Q  V      |          |          |          |
13+50       0.0248      0.04  Q  V      |          |          |          |
13+55       0.0251      0.04  Q  V      |          |          |          |
14+ 0       0.0254      0.04  Q  V      |          |          |          |
14+ 5       0.0257      0.04  Q  V      |          |          |          |
14+10       0.0260      0.05  Q  V      |          |          |          |
14+15       0.0263      0.05  Q  V      |          |          |          |
14+20       0.0266      0.05  Q  V      |          |          |          |
14+25       0.0270      0.05  Q  V      |          |          |          |
14+30       0.0273      0.05  Q   V     |          |          |          |
14+35       0.0277      0.05  Q   V     |          |          |          |
14+40       0.0280      0.05  Q   V     |          |          |          |
14+45       0.0284      0.05  Q   V     |          |          |          |
14+50       0.0288      0.05  Q   V     |          |          |          |
14+55       0.0292      0.06  Q   V     |          |          |          |
15+ 0       0.0296      0.06  Q   V     |          |          |          |
15+ 5       0.0300      0.06  Q   V     |          |          |          |
15+10       0.0304      0.06  Q   V     |          |          |          |
15+15       0.0308      0.06  Q   V     |          |          |          |
15+20       0.0313      0.07  Q   V     |          |          |          |
15+25       0.0318      0.07  Q   V     |          |          |          |
15+30       0.0322      0.07  Q   V     |          |          |          |
15+35       0.0327      0.07  Q   V     |          |          |          |
15+40       0.0332      0.07  Q   V     |          |          |          |
15+45       0.0337      0.07  Q   V     |          |          |          |
15+50       0.0342      0.08  Q    V    |          |          |          |
15+55       0.0349      0.09  Q    V    |          |          |          |
16+ 0       0.0357      0.11  Q    V    |          |          |          |
16+ 5       0.0488      1.90  |      Q  |          |          |          |
16+10       0.1013      7.63  |         |   V      |          Q          |
16+15       0.1645      9.18  |         |          |   V      |     Q    |
16+20       0.1955      4.49  |         |      Q   |          V |        |
16+25       0.2114      2.32  |         |Q         |          V         |
16+30       0.2225      1.62  |     Q   |          |          | V       |
16+35       0.2308      1.20  |   Q     |          |          |  V      |
16+40       0.2372      0.93  |  Q      |          |          |   V     |
16+45       0.2422      0.72  | Q       |          |          |    V    |
16+50       0.2460      0.56  | Q       |          |          |     V   |
16+55       0.2495      0.50  | Q       |          |          |     V   |
17+ 0       0.2522      0.40  |Q        |          |          |     V   |
17+ 5       0.2545      0.33  |Q        |          |          |      V  |
17+10       0.2564      0.27  |Q        |          |          |      V  |
17+15       0.2579      0.22  Q         |          |          |      V  |
17+20       0.2592      0.20  Q         |          |          |       V |
17+25       0.2601      0.12  Q         |          |          |       V |
17+30       0.2604      0.05  Q         |          |          |       V |
17+35       0.2607      0.04  Q         |          |          |       V |
17+40       0.2610      0.04  Q         |          |          |       V |
17+45       0.2613      0.04  Q         |          |          |       V |
17+50       0.2615      0.04  Q         |          |          |       V |
17+55       0.2618      0.04  Q         |          |          |       V |
18+ 0       0.2621      0.04  Q         |          |          |       V |
18+ 5       0.2623      0.04  Q         |          |          |       V |
18+10       0.2625      0.03  Q         |          |          |       V |
18+15       0.2628      0.03  Q         |          |          |       V |
18+20       0.2630      0.03  Q         |          |          |       V |
18+25       0.2632      0.03  Q         |          |          |       V |
18+30       0.2634      0.03  Q         |          |          |       V |
18+35       0.2636      0.03  Q         |          |          |       V |
18+40       0.2638      0.03  Q         |          |          |       V |
18+45       0.2640      0.03  Q         |          |          |       V |
18+50       0.2642      0.03  Q         |          |          |       V |
18+55       0.2644      0.03  Q         |          |          |       V |
19+ 0       0.2646      0.03  Q         |          |          |       V |
19+ 5       0.2647      0.03  Q         |          |          |       V |
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19+10	0.2649	0.03	Q	|	|	|	V |
19+15	0.2651	0.03	Q	|	|	|	V |
19+20	0.2653	0.02	Q	|	|	|	V |
19+25	0.2654	0.02	Q	|	|	|	V |
19+30	0.2656	0.02	Q	|	|	|	V |
19+35	0.2658	0.02	Q	|	|	|	V |
19+40	0.2659	0.02	Q	|	|	|	V |
19+45	0.2661	0.02	Q	|	|	|	V|
19+50	0.2662	0.02	Q	|	|	|	V|
19+55	0.2664	0.02	Q	|	|	|	V|
20+ 0	0.2665	0.02	Q	|	|	|	V|
20+ 5	0.2667	0.02	Q	|	|	|	V|
20+10	0.2668	0.02	Q	|	|	|	V|
20+15	0.2670	0.02	Q	|	|	|	V|
20+20	0.2671	0.02	Q	|	|	|	V|
20+25	0.2673	0.02	Q	|	|	|	V|
20+30	0.2674	0.02	Q	|	|	|	V|
20+35	0.2676	0.02	Q	|	|	|	V|
20+40	0.2677	0.02	Q	|	|	|	V|
20+45	0.2679	0.02	Q	|	|	|	V|
20+50	0.2680	0.02	Q	|	|	|	V|
20+55	0.2681	0.02	Q	|	|	|	V|
21+ 0	0.2683	0.02	Q	|	|	|	V|
21+ 5	0.2684	0.02	Q	|	|	|	V|
21+10	0.2685	0.02	Q	|	|	|	V|
21+15	0.2687	0.02	Q	|	|	|	V|
21+20	0.2688	0.02	Q	|	|	|	V|
21+25	0.2689	0.02	Q	|	|	|	V|
21+30	0.2691	0.02	Q	|	|	|	V|
21+35	0.2692	0.02	Q	|	|	|	V|
21+40	0.2693	0.02	Q	|	|	|	V|
21+45	0.2694	0.02	Q	|	|	|	V|
21+50	0.2696	0.02	Q	|	|	|	V|
21+55	0.2697	0.02	Q	|	|	|	V|
22+ 0	0.2698	0.02	Q	|	|	|	V|
22+ 5	0.2699	0.02	Q	|	|	|	V|
22+10	0.2700	0.02	Q	|	|	|	V|
22+15	0.2702	0.02	Q	|	|	|	V|
22+20	0.2703	0.02	Q	|	|	|	V|
22+25	0.2704	0.02	Q	|	|	|	V|
22+30	0.2705	0.02	Q	|	|	|	V|
22+35	0.2706	0.02	Q	|	|	|	V|
22+40	0.2707	0.02	Q	|	|	|	V|
22+45	0.2709	0.02	Q	|	|	|	V|
22+50	0.2710	0.02	Q	|	|	|	V|
22+55	0.2711	0.02	Q	|	|	|	V|
23+ 0	0.2712	0.02	Q	|	|	|	V|
23+ 5	0.2713	0.02	Q	|	|	|	V|
23+10	0.2714	0.02	Q	|	|	|	V|
23+15	0.2715	0.02	Q	|	|	|	V|
23+20	0.2716	0.02	Q	|	|	|	V|
23+25	0.2717	0.02	Q	|	|	|	V|
23+30	0.2719	0.02	Q	|	|	|	V|
23+35	0.2720	0.02	Q	|	|	|	V|
23+40	0.2721	0.02	Q	|	|	|	V|
23+45	0.2722	0.02	Q	|	|	|	V|
23+50	0.2723	0.02	Q	|	|	|	V|
23+55	0.2724	0.02	Q	|	|	|	V|
24+ 0	0.2725	0.02	Q	|	|	|	V|
24+ 5	0.2726	0.01	Q	|	|	|	V|
24+10	0.2727	0.01	Q	|	|	|	V|
24+15	0.2727	0.01	Q	|	|	|	V|
24+20	0.2727	0.00	Q	|	|	|	V|
24+25	0.2727	0.00	Q	|	|	|	V|
24+30	0.2728	0.00	Q	|	|	|	V|
24+35	0.2728	0.00	Q	|	|	|	V|
24+40	0.2728	0.00	Q	|	|	|	V|
24+45	0.2728	0.00	Q	|	|	|	V|
24+50	0.2728	0.00	Q	|	|	|	V|
24+55	0.2728	0.00	Q	|	|	|	V|
25+ 0	0.2728	0.00	Q	|	|	|	V|
25+ 5	0.2728	0.00	Q	|	|	|	V|
25+10	0.2728	0.00	Q	|	|	|	V|

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   25+15       0.2728      0.00  Q         |         |         |        V|
   25+20       0.2728      0.00  Q         |         |         |        V|
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U n i t H y d r o g r a p h A n a l y s i s

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Study date 08/02/23

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San Bernardino County Synthetic Unit Hydrology Method
Manual date - August 1986

Program License Serial Number 6481

Post-Development Condition
Unit Hydrograph Method
Development Site Area
2-Year, 24-Hour Storm, for HCOC_WQMP Calculation

Storm Event Year = 2

Antecedent Moisture Condition = 1

English (in-lb) Input Units Used

English Rainfall Data (Inches) Input Values Used

English Units used in output format

Area averaged rainfall intensity isohyetal data:

Sub-Area (Ac.)	Duration (hours)	Isohyetal (In)
Rainfall data for year 2		
17.45	1	0.59
Rainfall data for year 2		
17.45	6	1.52
Rainfall data for year 2		
17.45	24	2.93

++

******** Area-averaged max loss rate, Fm ********

SCS curve No.(AMCII)	SCS curve NO.(AMC 1)	Area (Ac.)	Area Fraction	Fp(Fig C6) (In/Hr)	Ap (dec.)	Fm (In/Hr)
32.0	16.6	17.45	1.000	1.000	0.400	0.400

Area-averaged adjusted loss rate Fm (In/Hr) = 0.400

********* Area-Averaged low loss rate fraction, Yb **********

Area (Ac.)	Area Fract	SCS CN (AMC2)	SCS CN (AMC1)	S	Pervious Yield Fr
6.98	0.400	32.0	16.6	14.65	0.000
10.47	0.600	98.0	98.0	0.20	0.921

Area-averaged catchment yield fraction, Y = 0.553
Area-averaged low loss fraction, Yb = 0.447
User entry of time of concentration = 0.280 (hours)

++

Watershed area = 17.45(Ac.)
Catchment Lag time = 0.224 hours

Unit interval = 10.000 minutes
Unit interval percentage of lag time = 74.4048
Hydrograph baseflow =   0.00(CFS)
Average maximum watershed loss rate(Fm) = 0.400(In/Hr)
Average low loss rate fraction (Yb) = 0.447 (decimal)
VALLEY DEVELOPED S-Graph Selected
Computed peak 5-minute rainfall = 0.219(In)
Computed peak 30-minute rainfall = 0.449(In)
Specified peak 1-hour rainfall = 0.592(In)
Computed peak 3-hour rainfall = 1.055(In)
Specified peak 6-hour rainfall = 1.520(In)
Specified peak 24-hour rainfall = 2.930(In)

Rainfall depth area reduction factors:
Using a total area of   17.45(Ac.) (Ref: fig. E-4)

5-minute factor = 0.999   Adjusted rainfall = 0.219(In)
30-minute factor = 0.999   Adjusted rainfall = 0.448(In)
1-hour factor = 0.999   Adjusted rainfall = 0.592(In)
3-hour factor = 1.000   Adjusted rainfall = 1.055(In)
6-hour factor = 1.000   Adjusted rainfall = 1.520(In)
24-hour factor = 1.000   Adjusted rainfall = 2.930(In)

U n i t H y d r o g r a p h

Interval Number	'S' Graph Mean values	Unit Hydrograph ((CFS))
	(K = 105.52 (CFS))	
1	9.857	10.401
2	58.164	50.972
3	91.715	35.403
4	98.412	7.066
5	100.000	1.676

Peak Unit Number	Adjusted mass rainfall (In)	Unit rainfall (In)
1	0.2889	0.0699
2	0.3812	0.0414
3	0.4483	0.0315
4	0.5030	0.0262
5	0.5499	0.0227
6	0.5915	0.0202
7	0.6416	0.0246
8	0.6883	0.0230
9	0.7324	0.0217
10	0.7742	0.0206
11	0.8141	0.0197
12	0.8523	0.0189
13	0.8890	0.0182
14	0.9244	0.0175
15	0.9586	0.0170
16	0.9918	0.0165
17	1.0240	0.0160
18	1.0553	0.0155
19	1.0858	0.0151
20	1.1155	0.0148
21	1.1445	0.0144
22	1.1729	0.0141
23	1.2006	0.0138
24	1.2278	0.0135
25	1.2545	0.0133
26	1.2807	0.0130
27	1.3063	0.0128
28	1.3316	0.0126
29	1.3564	0.0124
30	1.3808	0.0122
31	1.4049	0.0120
32	1.4286	0.0118
33	1.4519	0.0116

34	1.4749	0.0115
35	1.4975	0.0113
36	1.5199	0.0111
37	1.5398	0.0099
38	1.5593	0.0097
39	1.5786	0.0096
40	1.5977	0.0095
41	1.6164	0.0094
42	1.6350	0.0092
43	1.6533	0.0091
44	1.6714	0.0090
45	1.6893	0.0089
46	1.7069	0.0088
47	1.7244	0.0087
48	1.7417	0.0086
49	1.7588	0.0085
50	1.7757	0.0084
51	1.7924	0.0083
52	1.8090	0.0083
53	1.8253	0.0082
54	1.8416	0.0081
55	1.8576	0.0080
56	1.8736	0.0079
57	1.8893	0.0079
58	1.9049	0.0078
59	1.9204	0.0077
60	1.9358	0.0077
61	1.9510	0.0076
62	1.9660	0.0075
63	1.9810	0.0075
64	1.9958	0.0074
65	2.0105	0.0073
66	2.0251	0.0073
67	2.0396	0.0072
68	2.0539	0.0072
69	2.0682	0.0071
70	2.0823	0.0071
71	2.0963	0.0070
72	2.1103	0.0070
73	2.1241	0.0069
74	2.1378	0.0069
75	2.1515	0.0068
76	2.1650	0.0068
77	2.1784	0.0067
78	2.1918	0.0067
79	2.2050	0.0066
80	2.2182	0.0066
81	2.2313	0.0065
82	2.2443	0.0065
83	2.2572	0.0064
84	2.2700	0.0064
85	2.2828	0.0064
86	2.2955	0.0063
87	2.3081	0.0063
88	2.3206	0.0063
89	2.3330	0.0062
90	2.3454	0.0062
91	2.3577	0.0061
92	2.3699	0.0061
93	2.3821	0.0061
94	2.3942	0.0060
95	2.4062	0.0060
96	2.4182	0.0060
97	2.4301	0.0059
98	2.4419	0.0059
99	2.4537	0.0059
100	2.4654	0.0058
101	2.4770	0.0058
102	2.4886	0.0058
103	2.5001	0.0058
104	2.5116	0.0057
105	2.5230	0.0057
106	2.5343	0.0057

107	2.5456	0.0056
108	2.5569	0.0056
109	2.5680	0.0056
110	2.5792	0.0056
111	2.5902	0.0055
112	2.6013	0.0055
113	2.6122	0.0055
114	2.6232	0.0055
115	2.6340	0.0054
116	2.6448	0.0054
117	2.6556	0.0054
118	2.6663	0.0054
119	2.6770	0.0053
120	2.6876	0.0053
121	2.6982	0.0053
122	2.7088	0.0053
123	2.7192	0.0052
124	2.7297	0.0052
125	2.7401	0.0052
126	2.7504	0.0052
127	2.7608	0.0052
128	2.7710	0.0051
129	2.7813	0.0051
130	2.7914	0.0051
131	2.8016	0.0051
132	2.8117	0.0050
133	2.8218	0.0050
134	2.8318	0.0050
135	2.8418	0.0050
136	2.8517	0.0050
137	2.8616	0.0049
138	2.8715	0.0049
139	2.8813	0.0049
140	2.8911	0.0049
141	2.9009	0.0049
142	2.9106	0.0049
143	2.9203	0.0048
144	2.9299	0.0048

Unit Period (number)	Unit Rainfall (In)	Unit Soil-Loss (In)	Effective Rainfall (In)
1	0.0097	0.0043	0.0053
2	0.0097	0.0043	0.0054
3	0.0098	0.0044	0.0054
4	0.0098	0.0044	0.0054
5	0.0099	0.0044	0.0055
6	0.0099	0.0044	0.0055
7	0.0100	0.0045	0.0055
8	0.0100	0.0045	0.0056
9	0.0101	0.0045	0.0056
10	0.0102	0.0045	0.0056
11	0.0102	0.0046	0.0057
12	0.0103	0.0046	0.0057
13	0.0104	0.0046	0.0057
14	0.0104	0.0047	0.0058
15	0.0105	0.0047	0.0058
16	0.0106	0.0047	0.0058
17	0.0106	0.0048	0.0059
18	0.0107	0.0048	0.0059
19	0.0108	0.0048	0.0060
20	0.0108	0.0049	0.0060
21	0.0109	0.0049	0.0060
22	0.0110	0.0049	0.0061
23	0.0111	0.0050	0.0061
24	0.0112	0.0050	0.0062
25	0.0112	0.0050	0.0062
26	0.0113	0.0051	0.0063
27	0.0114	0.0051	0.0063
28	0.0115	0.0051	0.0064
29	0.0116	0.0052	0.0064
30	0.0117	0.0052	0.0065

31	0.0118	0.0053	0.0065
32	0.0119	0.0053	0.0066
33	0.0120	0.0054	0.0066
34	0.0121	0.0054	0.0067
35	0.0122	0.0054	0.0067
36	0.0123	0.0055	0.0068
37	0.0124	0.0055	0.0068
38	0.0125	0.0056	0.0069
39	0.0126	0.0056	0.0070
40	0.0127	0.0057	0.0070
41	0.0128	0.0057	0.0071
42	0.0130	0.0058	0.0072
43	0.0131	0.0059	0.0072
44	0.0132	0.0059	0.0073
45	0.0133	0.0060	0.0074
46	0.0135	0.0060	0.0075
47	0.0136	0.0061	0.0075
48	0.0138	0.0062	0.0076
49	0.0139	0.0062	0.0077
50	0.0141	0.0063	0.0078
51	0.0142	0.0064	0.0079
52	0.0144	0.0064	0.0080
53	0.0146	0.0065	0.0081
54	0.0148	0.0066	0.0082
55	0.0149	0.0067	0.0083
56	0.0151	0.0068	0.0084
57	0.0153	0.0069	0.0085
58	0.0155	0.0070	0.0086
59	0.0158	0.0071	0.0087
60	0.0160	0.0072	0.0088
61	0.0162	0.0073	0.0090
62	0.0165	0.0074	0.0091
63	0.0167	0.0075	0.0092
64	0.0170	0.0076	0.0094
65	0.0173	0.0077	0.0095
66	0.0176	0.0079	0.0097
67	0.0179	0.0080	0.0099
68	0.0182	0.0081	0.0101
69	0.0185	0.0083	0.0102
70	0.0189	0.0085	0.0104
71	0.0193	0.0086	0.0107
72	0.0197	0.0088	0.0109
73	0.0224	0.0100	0.0124
74	0.0228	0.0102	0.0126
75	0.0233	0.0104	0.0129
76	0.0239	0.0107	0.0132
77	0.0244	0.0109	0.0135
78	0.0250	0.0112	0.0138
79	0.0257	0.0115	0.0142
80	0.0264	0.0118	0.0146
81	0.0272	0.0122	0.0150
82	0.0281	0.0126	0.0155
83	0.0290	0.0130	0.0160
84	0.0301	0.0135	0.0166
85	0.0313	0.0140	0.0173
86	0.0327	0.0146	0.0181
87	0.0342	0.0153	0.0189
88	0.0360	0.0161	0.0199
89	0.0382	0.0171	0.0211
90	0.0408	0.0183	0.0226
91	0.0441	0.0197	0.0244
92	0.0483	0.0216	0.0267
93	0.0416	0.0186	0.0230
94	0.0504	0.0226	0.0279
95	0.0671	0.0300	0.0371
96	0.1208	0.0541	0.0668
97	0.2604	0.0667	0.1937
98	0.0512	0.0229	0.0283
99	0.0485	0.0217	0.0268
100	0.0409	0.0183	0.0226
101	0.0361	0.0161	0.0199
102	0.0327	0.0146	0.0181
103	0.0301	0.0135	0.0166

104	0.0281	0.0126	0.0155
105	0.0264	0.0118	0.0146
106	0.0250	0.0112	0.0138
107	0.0239	0.0107	0.0132
108	0.0228	0.0102	0.0126
109	0.0197	0.0088	0.0109
110	0.0189	0.0085	0.0105
111	0.0182	0.0081	0.0101
112	0.0176	0.0079	0.0097
113	0.0170	0.0076	0.0094
114	0.0165	0.0074	0.0091
115	0.0160	0.0072	0.0088
116	0.0156	0.0070	0.0086
117	0.0151	0.0068	0.0084
118	0.0148	0.0066	0.0082
119	0.0144	0.0064	0.0080
120	0.0141	0.0063	0.0078
121	0.0138	0.0062	0.0076
122	0.0135	0.0060	0.0075
123	0.0132	0.0059	0.0073
124	0.0130	0.0058	0.0072
125	0.0127	0.0057	0.0070
126	0.0125	0.0056	0.0069
127	0.0123	0.0055	0.0068
128	0.0121	0.0054	0.0067
129	0.0119	0.0053	0.0066
130	0.0117	0.0052	0.0065
131	0.0115	0.0051	0.0064
132	0.0113	0.0051	0.0063
133	0.0112	0.0050	0.0062
134	0.0110	0.0049	0.0061
135	0.0108	0.0049	0.0060
136	0.0107	0.0048	0.0059
137	0.0106	0.0047	0.0058
138	0.0104	0.0047	0.0058
139	0.0103	0.0046	0.0057
140	0.0102	0.0045	0.0056
141	0.0100	0.0045	0.0056
142	0.0099	0.0044	0.0055
143	0.0098	0.0044	0.0054
144	0.0097	0.0043	0.0054

Total soil rain loss = 1.26(In)
Total effective rainfall = 1.67(In)
Peak flow rate in flood hydrograph = 12.84(CFS)

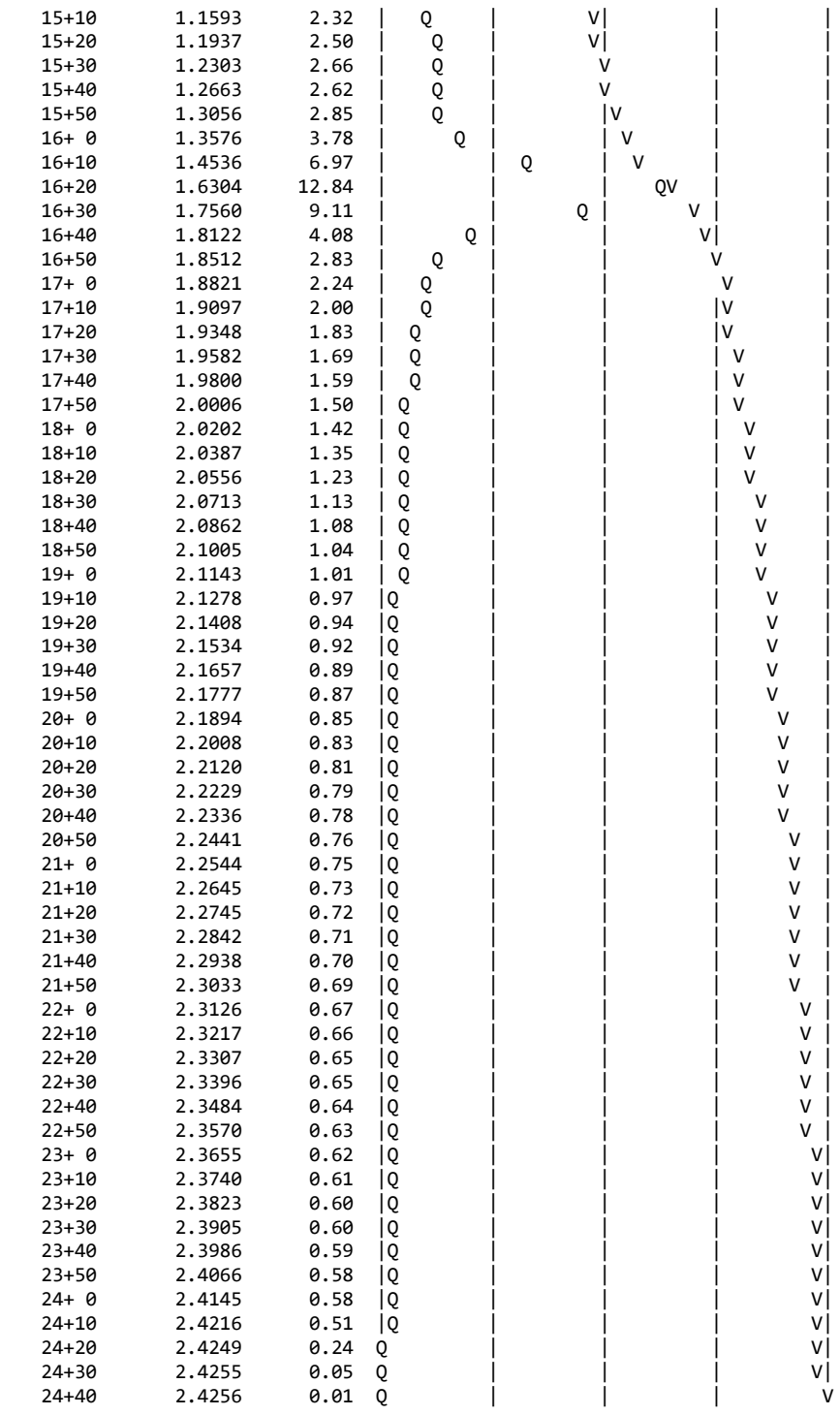
++

24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 10 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	5.0	10.0	15.0	20.0
0+10	0.0008	0.06	Q	|	|	|	|
0+20	0.0053	0.33	Q	|	|	|	|
0+30	0.0124	0.52	VQ	|	|	|	|
0+40	0.0201	0.56	VQ	|	|	|	|
0+50	0.0280	0.57	VQ	|	|	|	|
1+ 0	0.0359	0.57	VQ	|	|	|	|
1+10	0.0438	0.58	VQ	|	|	|	|
1+20	0.0518	0.58	VQ	|	|	|	|
1+30	0.0599	0.58	VQ	|	|	|	|
1+40	0.0680	0.59	|Q	|	|	|	|
1+50	0.0761	0.59	|Q	|	|	|	|
2+ 0	0.0843	0.59	|Q	|	|	|	|
2+10	0.0926	0.60	|Q	|	|	|	|
2+20	0.1009	0.60	|Q	|	|	|	|
2+30	0.1092	0.61	|Q	|	|	|	|
2+40	0.1176	0.61	|Q	|	|	|	|
2+50	0.1261	0.61	|QV	|	|	|	|

```
 3+ 0       0.1346      0.62  |QV       |         |         |         |
 3+10       0.1432      0.62  |QV       |         |         |         |
 3+20       0.1518      0.63  |QV       |         |         |         |
 3+30       0.1605      0.63  |QV       |         |         |         |
 3+40       0.1692      0.63  |QV       |         |         |         |
 3+50       0.1780      0.64  |QV       |         |         |         |
 4+ 0       0.1869      0.64  |Q V      |         |         |         |
 4+10       0.1958      0.65  |Q V      |         |         |         |
 4+20       0.2048      0.65  |Q V      |         |         |         |
 4+30       0.2139      0.66  |Q V      |         |         |         |
 4+40       0.2230      0.66  |Q V      |         |         |         |
 4+50       0.2322      0.67  |Q V      |         |         |         |
 5+ 0       0.2415      0.67  |Q V      |         |         |         |
 5+10       0.2508      0.68  |Q  V     |         |         |         |
 5+20       0.2602      0.68  |Q  V     |         |         |         |
 5+30       0.2697      0.69  |Q  V     |         |         |         |
 5+40       0.2793      0.69  |Q  V     |         |         |         |
 5+50       0.2890      0.70  |Q  V     |         |         |         |
 6+ 0       0.2987      0.71  |Q  V     |         |         |         |
 6+10       0.3085      0.71  |Q   V    |         |         |         |
 6+20       0.3184      0.72  |Q   V    |         |         |         |
 6+30       0.3284      0.73  |Q   V    |         |         |         |
 6+40       0.3385      0.73  |Q   V    |         |         |         |
 6+50       0.3487      0.74  |Q   V    |         |         |         |
 7+ 0       0.3589      0.75  |Q   V    |         |         |         |
 7+10       0.3693      0.75  |Q    V   |         |         |         |
 7+20       0.3798      0.76  |Q    V   |         |         |         |
 7+30       0.3903      0.77  |Q    V   |         |         |         |
 7+40       0.4010      0.78  |Q    V   |         |         |         |
 7+50       0.4118      0.78  |Q    V   |         |         |         |
 8+ 0       0.4227      0.79  |Q    V   |         |         |         |
 8+10       0.4337      0.80  |Q     V  |         |         |         |
 8+20       0.4448      0.81  |Q     V  |         |         |         |
 8+30       0.4561      0.82  |Q     V  |         |         |         |
 8+40       0.4675      0.83  |Q     V  |         |         |         |
 8+50       0.4790      0.84  |Q     V  |         |         |         |
 9+ 0       0.4907      0.85  |Q      V |         |         |         |
 9+10       0.5025      0.86  |Q      V |         |         |         |
 9+20       0.5144      0.87  |Q      V |         |         |         |
 9+30       0.5265      0.88  |Q      V |         |         |         |
 9+40       0.5388      0.89  |Q      V |         |         |         |
 9+50       0.5512      0.90  |Q       V|         |         |         |
10+ 0       0.5638      0.91  |Q       V|         |         |         |
10+10       0.5766      0.93  |Q       V|         |         |         |
10+20       0.5895      0.94  |Q       V|         |         |         |
10+30       0.6027      0.95  |Q       V|         |         |         |
10+40       0.6160      0.97  |Q        V         |         |         |
10+50       0.6296      0.98  |Q        V         |         |         |
11+ 0       0.6433      1.00  | Q       V         |         |         |
11+10       0.6574      1.02  | Q       V         |         |         |
11+20       0.6716      1.04  | Q        V        |         |         |
11+30       0.6861      1.05  | Q       |V        |         |         |
11+40       0.7009      1.07  | Q       |V        |         |         |
11+50       0.7160      1.09  | Q       |V        |         |         |
12+ 0       0.7314      1.12  | Q       | V       |         |         |
12+10       0.7472      1.15  | Q       | V       |         |         |
12+20       0.7643      1.24  | Q       | V       |         |         |
12+30       0.7823      1.31  | Q       | V       |         |         |
12+40       0.8009      1.35  | Q       |  V      |         |         |
12+50       0.8199      1.38  | Q       |  V      |         |         |
13+ 0       0.8393      1.41  | Q       |  V      |         |         |
13+10       0.8592      1.45  | Q       |   V     |         |         |
13+20       0.8796      1.48  | Q       |   V     |         |         |
13+30       0.9006      1.52  |  Q      |   V     |         |         |
13+40       0.9222      1.57  |  Q      |    V    |         |         |
13+50       0.9445      1.62  |  Q      |    V    |         |         |
14+ 0       0.9675      1.67  |  Q      |    V    |         |         |
14+10       0.9913      1.73  |  Q      |     V   |         |         |
14+20       1.0161      1.80  |  Q      |     V   |         |         |
14+30       1.0419      1.87  |  Q      |      V  |         |         |
14+40       1.0689      1.96  |  Q      |      V  |         |         |
14+50       1.0973      2.06  |   Q     |       V |         |         |
15+ 0       1.1273      2.18  |   Q     |       V |         |         |
```



RESIDENCES AT OAK GLEN CREEK SPECIFIC PLAN DEVELOPMENT

APPENDIX G – VEHICLE MILES TRAVELED SCREENING EVALUATION

MEMORANDUM

URBAN CROSSROADS

DATE: July 30, 2024
TO: Christian Farmer, City of Yucaipa
FROM: Alex So, Urban Crossroads, Inc.
JOB NO: 15809-01 VMT

OAK GLEN TOWNHOMES VEHICLE MILES TRAVELED (VMT) SCREENING EVALUATION

Urban Crossroads, Inc. has completed the following Vehicle Miles Traveled (VMT) Screening Evaluation for the Oak Glen Townhomes Project (**Project**), located on the northwest corner of Bryant Street and Oak Glen Road in the City of Yucaipa.

PROJECT OVERVIEW

The Project is proposed to consist of the following uses:

- 145 detached single-family residential dwelling units
- 12,000 square feet of retail uses

A Project site plan is provided in Attachment A.

BACKGROUND

The California Environmental Quality Act (CEQA) requires all lead agencies to adopt VMT as the measure for identifying transportation impacts for land use projects. To comply with CEQA, the City of Yucaipa adopted their Traffic Impact Analysis Guidelines (August 2020) (**City Guidelines**) (1). This VMT screening evaluation has been developed based on the City Guidelines.

VMT SCREENING

City Guidelines state that a project may be determined to have a less than significant VMT impact and screened out of requiring a project-level VMT analysis if it meets at least one of the City's VMT screening criteria. The City's adopted VMT screening criteria considered for this Project are listed below:

- Step 1: Transit Priority Area (TPA) Screening
- Step 2: Low VMT Area Screening
- Step 3: Project Type Screening

STEP 1: TPA SCREENING

Consistent with guidance identified in the City Guidelines, projects located within a Transit Priority Area (TPA) (i.e., within ½ mile of an existing "major transit stop"[1] or an existing stop along a "high-quality transit corridor"[2]) may be presumed to have a less than significant impact absent substantial evidence to the contrary. However, the presumption may not be appropriate if a project:

- Has a Floor Area Ratio (FAR) of less than 0.75;
- Includes more parking for use by residents, customers, or employees of the project than required by the jurisdiction (if the jurisdiction requires the project to supply parking);
- Is inconsistent with the applicable Sustainable Communities Strategy (as determined by the lead agency, with input from the Metropolitan Planning Organization); or
- Replaces affordable residential units with a smaller number of moderate- or high-income residential units.

The San Bernardino County Transportation Authority (SBCTA) VMT Screening Tool map was used to identify TPA areas within the County of San Bernardino. The Project is not located in a TPA (see Attachment B).

TPA screening step is not met.

STEP 2: LOW VMT AREA SCREENING

City Guidelines state that projects located within a low VMT-generating area may be presumed to have a less than significant VMT impact absent substantial evidence to the contrary. In addition, other employment-related and mixed-use land use projects may qualify for the use of screening if the project can reasonably be expected to generate VMT per resident, per worker, or per service population that is similar to the existing land uses in the low VMT area. City Guidelines identify a low VMT area as an individual traffic analysis zone (TAZ) where total daily VMT per service population is below the County of San Bernardino average total daily VMT per service population.

The San Bernardino Transportation Analysis Model (SBTAM) has been utilized to determine the existing VMT per employee generated by the Traffic Analysis Zone (TAZ) in which the Project is located (TAZ 53851201). The Project TAZ 53851201 was found to have a VMT per service population of 34.3, which is below the County of San Bernardino baseline average daily 38.8 VMT per service population. Accordingly, the Project is located within a low VMT area.

Low VMT Area screening step is met.

[1] Pub. Resources Code, § 21064.3 ("'Major transit stop' means a site containing an existing rail transit station, a ferry terminal served by either a bus or rail transit service, or the intersection of two or more major bus routes with a frequency of service interval of 15 minutes or less during the morning and afternoon peak commute periods.").
[2] Pub. Resources Code, § 21155 ("For purposes of this section, a high-quality transit corridor means a corridor with fixed route bus service with service intervals no longer than 15 minutes during peak commute hours.").

STEP 3: PROJECT TYPE SCREENING

The City Guidelines state that the following uses may, at the discretion of the City, be presumed to have a less than significant impact as their uses are often local serving in nature:

- Local parks
- Day care centers
- Local-serving retail uses less than 50,000 square feet, including:
    - Gas stations
    - Banks
    - Restaurants
    - Shopping Center
- Local-serving medical office less than 100,000 square feet
- Student housing projects on or adjacent to college campuses
- Local-serving assembly uses (places of worship, community organizations)
- Community institutions (public libraries, fire stations, local government)
- Local serving community colleges that are consistent with the assumptions noted in the RTP/SCS
- Hotels (non-destination or resort; no banquet or special event space)
- 100% affordable or supportive housing
- Assisted living facilities
- Senior housing (as defined by HUD)
- Projects generating less than 400 daily vehicle trips
    - This generally corresponds to the following "typical" development potentials:
        - 42 single-family housing units
        - 54 multi-family, condominiums, or townhouse housing units
        - 41,000 square feet of office
        - 80,000 square feet of light industrial
        - 229,000 square feet of warehousing
        - 285,000 square feet of high cube transload and short-term storage warehouse.

The Project is forecast to generate 3,434 daily vehicle trips and is expected to exceed the 400 daily trip threshold (see Attachment C). The Project is proposing 12,000 square feet of retail use as a component of the Project. The 12,000 square feet of retail falls below the 50,000 square feet retail threshold as listed above. However, the remaining residential component does not qualify for this screening step.

Project Type screening step is met for the retail component of the Project only.

CONCLUSION

In summary, the Project's retail component meets the Project Type screening criteria and the Project wholly meets the Low VMT Area screening step. The Project is therefore presumed to have a less than significant VMT impact; no additional VMT analysis is required.

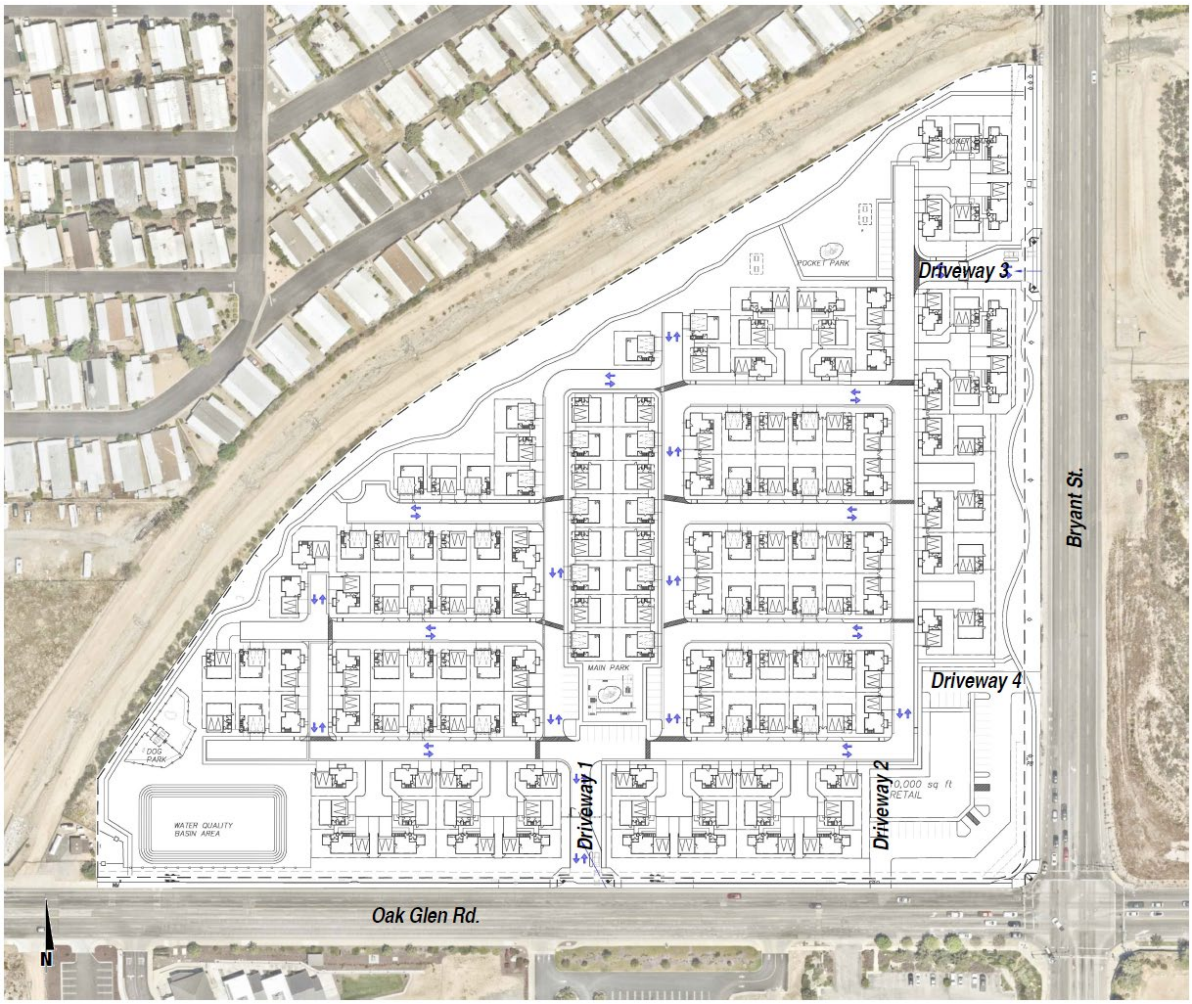
If you have any questions, please contact me directly at aso@urbanxroads.com.

REFERENCES

1. **City of Yucaipa.** *Traffic Impact Analysis Guidelines.* August 2020.

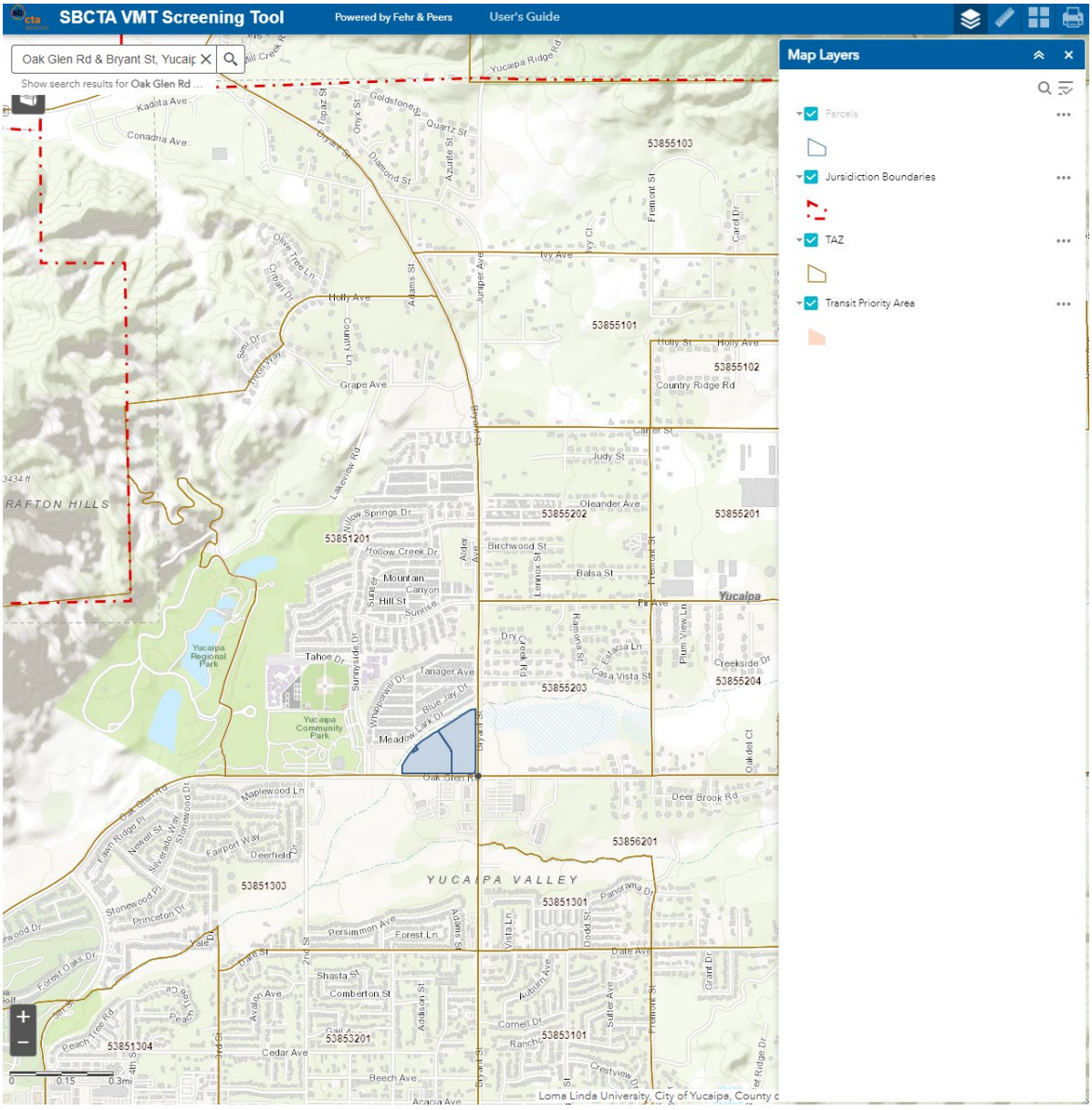
ATTACHMENT A
PROJECT SITE PLAN

EXHIBIT A-1: PROJECT SITE PLAN



ATTACHMENT B
SBCTA TPA SCREENING TOOL RESULTS

EXHIBIT B-1: SBCTA TPA SCREENING RESULTS



ATTACHMENT C
PROJECT TRIP GENERATION SUMMARY

TABLE C-1: PROJECT TRIP GENERATION SUMMARY

Land Use[1]	Units[2]	ITE LU Code	AM Peak Hour In	AM Peak Hour Out	AM Peak Hour Total	PM Peak Hour In	PM Peak Hour Out	PM Peak Hour Total	Daily
Actual Vehicle Trip Generation Rates									
Single Family Detached Housing	DU	210	0.18	0.52	0.70	0.59	0.35	0.94	9.43
Fast-Food Restaurant Without Drive-Thru	TSF	933	25.04	18.14	43.18	16.61	16.60	33.21	450.49

[1] Trip Generation Source: Institute of Transportation Engineers (ITE), Trip Generation Manual, Eleventh Edition (2021).

[2] DU = Dwelling Units; TSF = thousand square feet

Land Use	Quantity	Units[1]	AM Peak Hour In	AM Peak Hour Out	AM Peak Hour Total	PM Peak Hour In	PM Peak Hour Out	PM Peak Hour Total	Daily
Single Family Detached Residential	145	DU	26	75	101	86	50	136	1,368
Internal Capture			-1	-15	-16	-14	-11	-25	-252
Fast-Food Restaurant Without Drive-Thru	12.000	TSF	301	218	519	199	199	398	5,406
Internal Capture			-15	-1	-16	-11	-14	-25	-252
Pass-by Trip Reduction (AM = 50%; PM/Daily = 55%)[2]			-109	-109	-218	-103	-103	-206	-2,836
Project Total Trips			**202**	**168**	**370**	**157**	**121**	**278**	**3,434**

[1] DU = Dwelling Units; TSF = thousand square feet

[2] Internal Capture Source: ITE Trip Generation Manual, Eleventh Edition (2021) for ITE Land Use Code 932.