

908 Ocean Street Mixed-Use Development

Draft Environmental Impact Report

APPENDICES

October 2024

SCH #: 2024050531

CITY OF SANTA CRUZ

Kimley»Horn

Appendix A

Notice of Preparation, Initial Study, and Public Comment Letters

ZONING / PERMIT PROCESSING
831/420-5100 • FAX 831/420-5434
COMPREHENSIVE PLANNING
831/420-5180 • FAX 831/420-5101

CITY OF SANTA CRUZ

INSPECTION SERVICES
831/420-5120 • FAX 831/420-5434
PLANNING ADMINISTRATION
831/420-5110 • FAX 831/420-5101

PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT
809 Center Street • Room 206 • Santa Cruz, CA 95060 • www.cityofsantacruz.com
Lee Butler, Director

March 14, 2024

NOTICE OF PREPARATION OF AN ENVIRONMENTAL IMPACT REPORT

RE: 908 Ocean Street Mixed-Use Development

To Interested Agencies and Persons:

The City of Santa Cruz, as the lead agency, is preparing an Environmental Impact Report (EIR) on the project described herein. Please respond with written comments regarding the scope and the content of the EIR as it may relate to your agency's area of statutory responsibility or your areas of concern or expertise. Your agency may need to use the EIR prepared by our agency when considering your permit or other approval for the project, if any is required. ***Responses are due within 30 days of the receipt of this Notice, as provided by State law.*** The contact person's name and address are listed below. Please include the name and phone number of a contact person at your agency in your response.

*****A public scoping meeting will be held via Zoom (https://us06web.zoom.us/j/81627538283 Webinar ID: 816 2753 8283) on Wednesday, April 10, 2024, at 6:00 p.m. You or members of your agency or organization are invited to attend to provide comments on the scope and content of environmental information to include in the EIR.*****

1. **Project Location.** As shown in **Figure 1 Project Location**, the approximate 4.15-acre project area is located on Ocean Street to the east of downtown Santa Cruz. The site is bounded by Ocean Street on the west, Hubbard Street on the north, May Avenue on the east, and commercial properties fronting Water Street on the south. The project site currently consists of 21 parcels with existing commercial and residential buildings (APNs: 008-331-03, -04, -05, -06, -07, -08, -12, -13, -14, -15, -25, -26, -27, -28, -29, -30, -31, -32, -35, -41, -45).

2. **Project Description.** The project consists of Residential and Non-Residential Demolition Authorization Permits, Heritage Tree Removal Permit, Minor Land Division, Design Permit, Special Use Permit, and Density Bonus Request to demolish nine commercial buildings (approximately 29,431 square feet [sf]) and 12 residential units, remove of 13 heritage trees, and construct a mixed-use development on one 14.5-acre parcel with 389 residential units and 9,570 square feet of commercial space. The project is requesting a 42.5% density bonus from a base density project of 273 units.

The project would include three buildings – Building A (433,585 gross square feet [sf]), a five-story building with basement (garage parking), and two three-story buildings (Building B [62,952 gross sf] and Building C [46,260 gross sf]). Residential uses are proposed on all floors except in the below grade parking garage. The proposed commercial space and residential amenities are proposed on the ground floor.

The proposed 389 residential units consist of 46 studio units, 206 one-bedroom units, 120 two-bedroom units, 15 three-bedroom units, and two four-bedroom units. Proposed residential amenities, totaling 12,236 sf, include a resident co-workspace, fitness gym, lounge, and club room. An outdoor pool for residents is proposed on the second-floor courtyard of Building A.

The commercial space, totaling 9,570 sf, is proposed on the ground floor of Building A fronting Ocean Street. Existing commercial uses on the site total approximately 27,630 sf, and thus, the project would result in a net decrease in 18,060 sf of commercial space. The area consists of two commercial spaces on either side of the entrance. It is anticipated that future retail and/or commercial service uses will be provided, but no specific commercial uses are proposed at this time.

3. **Project Applicant.** High Street Residential

4. **Probable Environmental Effects of the Project.** After completing a preliminary review of the project, as described in Section 15060 of the CEQA Guidelines, and preparing an Initial Study for the project, the City has determined that an EIR should be prepared to assess the potentially significant environmental impacts of this project. The City has identified the following possible effects of the project as topics for analysis in the EIR. No other potentially significant impacts were identified based on the reviews in the Initial Study. The City will consider the written comments received in response to this Notice of Preparation in determining whether any additional topics should be studied in the Draft EIR. The Initial Study is available for review on the City's website at: https://www.cityofsantacruz.com/government/city-departments/planning-and-community-development/planning-division/active-planning-applications-and-status/significant-project-applications/908-ocean-street-new.

   - *Air Quality & Greenhouse Gas Emissions (GHG)* – Potential impacts of project pollutant and GHG emissions will be evaluated.
   - *Cultural & Tribal Resources* – Potential impacts to historical resources and tribal cultural resources will be evaluated.
   - *Hazards & Hazardous Materials* – Potential impacts related to existing hazardous materials present on the project site will be evaluated.
   - *Land Use & Planning* – Potential project conflicts with plans, policies or regulations adopted for the purpose of avoiding or mitigating an environmental effect will be addressed.
   - *Public Services and Utilities-Water Service* – Potential project service demands and impacts regarding police and fire protection services, parks/recreation, water supply and solid waste disposal will be evaluated.

- *Energy Use* –This section will provide operational energy calculations to evaluate energy use.

The City will consider the written comments received in response to this Notice of Preparation in determining whether any additional topics should be studied in the Draft EIR.

5. Contact Person:

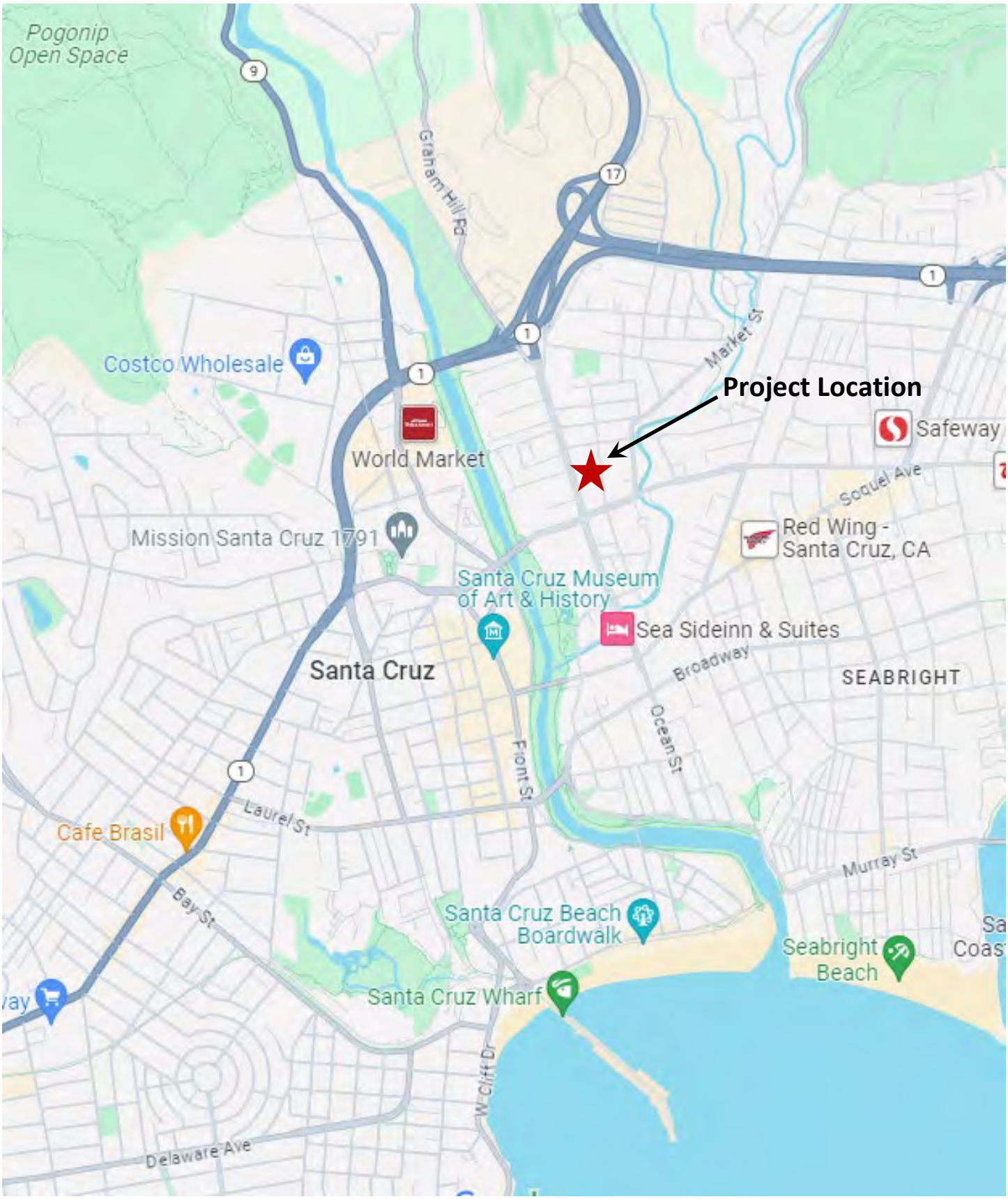
Brittany Whitehill, AICP, Senior Planner
City of Santa Cruz Planning and Community Development Department
809 Center Street, Rm. 101
Santa Cruz, CA 95060
Phone: (831) 420-5134
Email: BWhitehill@santacruzca.gov

Responses to this Notice of Preparation are due by **April 15, 2024**.

Sincerely,

Brittany Whitehill, AICP
Senior Planner

Attachments:
Figure 1 Project Location
908 Ocean Street Initial Study (Available online at: https://www.cityofsantacruz.com/government/city-departments/planning-and-community-development/planning-division/active-planning-applications-and-status/significant-project-applications/908-ocean-street-new)



Source: Kimley-Horn, 2024

Figure 1 Project Location

908 Ocean Street
Notice of Preparation

Kimley»Horn

Not to scale

City of Santa Cruz
ENVIRONMENTAL CHECKLIST FORM / INITIAL STUDY

I. Background

1. **Application No:** CP23-0030

2. **Project Title:** 908 Ocean Street Mixed-Use Development (the project)

3. **Lead Agency Name and Address:**
   City of Santa Cruz
   809 Center Street, Room 101
   Santa Cruz, CA 95060

4. **Contact Person and Phone Number:** Brittany Whitehill, AICP, Senior Planner
   831-420-5134, bwhitehill@santacruzca.gov

5. **Project Location:** 908 Ocean Street (APNs: 008-331-03, -04, -05, -06, -07, -08, -12, -13, -14, -15, -25, -26, -27, -28, -29, -30, -31, -32, -35, -41, -45) in the City of Santa Cruz; see Figure 1 Project Location.[1]

6. **Project Applicant's/Sponsor's Name and Address:**
   High Street Residential
   415 Mission Street, 45th Floor
   San Francisco, CA 94105

7. **General Plan Designation:** Mixed-Use Medium Density (MXMD).

8. **Zoning:** MU-OH Mixed-Use Ocean High Density, and MU-OM Mixed-Use Ocean Medium Density.

9. **Description of the Project:** The project consists of Residential and Non-Residential Demolition Authorization Permits, Heritage Tree Removal Permit, Minor Land Division, Design Permit, Special Use Permit, and Density Bonus Request to demolish nine commercial buildings (approximately 29,431 square feet [sf]) and 12 residential units, remove 13 heritage trees, and construct a mixed-use development on one 14.5-acre parcel with 389 residential units and 9,570 square feet of commercial space. The project is requesting a 42.5% density bonus from a base density project of 273 units.

   Proposed Tentative Parcel Map: As shown in Figure 2 Vesting Tentative Parcel Map, the existing 21 parcels would be combined into one parcel, totaling 14.5-acres. Each of the three buildings will be on a separate condominium lot; the total number of lots will be four (three condominium lots and one common lot) that comprises the proposed Minor Land Division.

[1] All figures are included at the end of the document for ease of reference.

Project Elements: The project would include three buildings – Building A (433,585 gross square feet [sf]), a five-story building with basement (garage parking), and two three-story buildings (Building B [62,952 gross sf] and Building C [46,260 gross sf]). Residential uses are proposed on all floors except in the below grade parking garage. The proposed commercial space and residential amenities are proposed on the ground floor. Figure 3 Composite Site Plan provides an illustrative site plan of the project.

The proposed 389 residential units consist of 46 studio units, 206 one-bedroom units, 120 two-bedroom units, 15 three-bedroom units, and two four-bedroom units. Proposed residential amenities, totaling 12,236 sf, include a resident co-workspace, fitness gym, lounge, and club room. An outdoor pool for residents is proposed on the second-floor courtyard of Building A.

The commercial space, totaling 9,570 sf, is proposed on the ground floor of Building A fronting Ocean Street. Existing commercial uses on the site total approximately 27,630 sf, and thus, the project would result in a net decrease in 18,060 sf of commercial space. The area consists of two commercial spaces on either side of the entrance. It is anticipated that future retail and/or commercial service uses will be provided, but no specific commercial uses are proposed at this time.

Density Bonus Request: Pursuant to State Density Bonus Law (Gov't Code Sections 65915 et. seq.), the Project is seeking a 42.5% density bonus above the allowable 1.75 Floor Area Ratio ("FAR"). Per the City's General Plan policies and zoning regulations, the Base Project allows 273 residential units with an average of 791 square feet per unit, at a density of 30 dwelling units/acre (du/ac).

The project includes 36 units that are affordable to Very Low-Income households not exceeding 50% of Area Median Income ("AMI"), which is 13% of the 273 achievable base units. The project also includes 18 units that are affordable to Low-Income households making no more than 80% of AMI, which is approximately 7% of the 273 achievable base units. This level of affordability exceeds the minimum 10% lower-income threshold to qualify the project for a density bonus.

The applicant has requested one "concession" and four "waivers" pursuant to state and local density bonus laws. Per section 24.16.225 of the Santa Cruz Municipal Code (SCMC), the project qualifies for five incentives/concessions since it provides at least 20% of units to lower-income households. Per section 24.16.255 (4), the project is eligible to request an unlimited number of waivers or modifications to development standards, if those standards physically preclude the construction of the housing development, and the housing development is eligible for a density bonus. To accommodate the construction of these affordable units, the project is seeking the following incentive/concession and waivers.

- *Private Open Space:* A concession to reduce the requirement that non - Flexible Density Units (FDUs) provide 100 square feet of private open space per unit to

providing 64 square feet of private open space for 78 units and 33 square feet of private open space for 1 unit.

- *Floor Area Ratio:* A waiver to exceed the allowable 1.75 FAR by applying the requested density bonus of 42.5% to the proposed 2.49 FAR.
- *Building Height:* A waiver to build above the allowable four-story height limit on Ocean Street to accommodate a five-story building.
- *Building Setback:* A waiver of the SCMC section 24.10.750 that in any C-C District directly across a street from any R-District, buildings shall be at least 20 feet from the street. Instead, the project proposes a 12'8" and 11'4" setback along the building frontage facing the R-District on May Avenue.
- *Flexible Density Units Storage*: A waiver of the SCMC section 24.12.1520 requirement to provide 200 cubic feet of storage for each FDU. The project would provide 139 storage spaces that are approximately 200 cubic feet, or approximately 66% of the Project's 212 FDUs.

Furthermore, the project is exempt from local minimum residential and commercial parking requirements under Assembly Bill 2097 because the project is located within a half-mile of an accessible major transit stop (the Santa Cruz Metro Station).

Access and Parking: The project would provide four vehicular access points to the project site. Two driveways would be from May Avenue, one at the center and one at the southeast corner of the project site. These driveways would provide access to surface parking and a residential garage on the ground-floor of Building B. The southeasterly driveway would also provide direct truck access to a trash/recycling enclosure.

On the southwest corner of the project site fronting Ocean Street, residential access would be provided by a driveway to a basement garage in Building A. Commercial and visitor access, as well as residential ground-floor garage access would be from a driveway on Ocean Street, east of Blaine Street.

Parking would include 415 spaces (382 for residential and 33 for commercial) for vehicles. Of the residential parking, 46 spaces (12%) would be for electric vehicles with charging stations. Bicycle parking would include 486 spaces for the residential units and eight for the commercial uses, for a total of 494 spaces.

Landscaping: The project includes removal of 33 trees on the project site, 13 of which are considered heritage trees as defined by the City's Heritage Tree Ordinance in Chapter 9.56 of the City's Municipal Code. The project would be landscaped with 13 new street trees along Ocean Street and additional trees with stormwater planters along other sides of the project site. Trees and other landscaping would also be planted in the interior of the project site on the ground floor, 2nd floor courtyards, and 5th floor roof terrace (herb garden). The total irrigated landscaped area would be 26,937 square feet, which would include various drought-tolerant shrubs and raised planters. The project would be subject to provisions of the City's Water Efficient Landscape Ordinance (WELO), per Chapter 16.16 of the City's Municipal Code.

Stormwater and Utilities: The project site is currently partially developed with impervious surface areas associated with the existing buildings and surface parking. Project development would result in a net increase of 3,909 sf of impervious area for a total impervious area of 162,320 sf Since the project exceeds the 22,500 threshold of replaced and new impervious surface, it is considered to fulfill Tier 4 of post-construction Best Management Practices (BMP) requirements. However, this project is exempted from the Tier 4 requirement because the ultimate stormwater discharge is routed to a "highly altered channel" (concrete lined Branciforte Creek), as it is described in the Santa Cruz's Chapter 6B of the Best Management Practices Manual for the City's Storm Water Management Program. Therefore, the project is proposing Tier 1 through Tier 3, whereby 10% of effective impervious area would be dedicated as retention-based treatment areas. Stormwater would be controlled with a rainwater harvesting system, which would include 24 bioretention areas allowing stormwater to permeate into the ground. During high-flow events, excess stormwater from each biorientation area would overflow through a drain to the curb before discharging into new eight- and twelve-inch storm drains, and ultimately into the May Avenue storm drain.

The project would be served by public sewer and water mains from May Avenue. Electricity would be provided by Pacific Gas & Electric (PG&E).

Construction Schedule and Earthwork: Construction would be expected to occur over approximately two and a half years, beginning with demolition in the Fall of 2025 and concluding with architectural coating activities in March of 2028. During grading and earthwork activities approximately 32,200 cubic yards (cy) of earth material would be cut form the site and approximately 5,900 cy of earth material would be filled, resulting in a net volume of 26,300 cy of earth material exported from the project site.

10. **Other public agencies whose approval is required:** None known.

11. **Have California Native American tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resources Code section 21080.3.1?:** Yes

II. Environmental Setting and Surrounding Land Uses

The 14.5-acre project site is located on the east side of Ocean Street in the Ocean Street neighborhood of the City of Santa Cruz, as defined in the City's General Plan (SOURCE V1.a). The project site is also located within the boundaries of the Ocean Street Area Plan which extends along the entire Ocean Street corridor from Highway 17 south to East Cliff Drive (SOURCE V2.h). The project site is bordered by Ocean Street and commercial uses on the west, commercial uses fronting Water Street on the south, May Street and a mix of commercial and residential uses on the east, and Hubbard Street and commercial uses on the north.

The project site currently consists of 21 parcels with 21 existing one- and two-story commercial and residential buildings with surface parking. Land uses include auto-related services, multi-family

housing, single family housing, retail and personal services, offices, a vacant building, and mixed-use parcels. The project site is flat and contains 22 planted, primarily non-native trees, except for one redwood tree. Five of the protected trees are street trees, located in sidewalk cutouts on Ocean Street. The street trees border the site along Ocean Street.

III. Environmental Checklist

Environmental Factors Potentially Affected by the Project: 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		Agricultural and Forestry Resources	✓	Air Quality
	Biological Resources	✓	Cultural Resources	✓	Energy Conservation
	Geology / Soils	✓	Greenhouse Gas Emissions	✓	Hazards and Hazardous Materials
	Hydrology / Water Quality	✓	Land Use / Planning		Mineral Resources
	Noise		Population / Housing	✓	Public Services
✓	Recreation		Transportation	✓	Tribal Cultural Resources
✓	Utilities / Service Systems		Wildfire	✓	Mandatory Findings of Significance

A. Instructions to Environmental Checklist

1. A brief explanation is required (see Section VI, Explanation of Environmental Checklist Responses) 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 (see Section V, References and Data Source List, attached). 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).

2. 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.

3. Once the lead agency has determined that a particular physical impact may occur, then the checklist answers 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 any 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: Less Than Significant With Mitigation Incorporated" applies where incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less Than Significant Impact." The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less-than-significant level.

5. Earlier Analysis may be used where, pursuant to the tiering, program EIR, or other CEQA process, one or more effects have been adequately analyzed in an earlier EIR or negative declaration. Section 15063(c)(3)(D). In this case a discussion should identify the following on attached sheets:
   a) *Earlier Analysis used.* Identify earlier analyses 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 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. The explanation of each issue should identify:
   a) The significance criteria or threshold, if any, used to evaluation each question; and
   b) The mitigation measure identified, if any, to reduce the impact to less than significance.

B. Use of Earlier Analyses

In analyzing the project, the City may consider whether existing environmental documents already provide an adequate analysis of potential environmental impacts. An earlier analysis may be used where, pursuant to the tiering, program EIR, or other California Environmental Quality Act (CEQA) provisions, if it can be determined that one or more effects have been adequately analyzed in an earlier EIR or negative declaration (State CEQA Guidelines Section 15063(c)(3)(D)).

The preparation of this Initial Study has drawn from analyses contained in the *City of Santa Cruz* General Plan 2030 EIR (April 2012), which includes the Draft EIR volume (September 2011) and the Final EIR volume (April 2012). The Santa Cruz City Council certified the EIR and adopted the *General Plan 2030* on June 26, 2012. The General Plan EIR is a "program" EIR prepared pursuant to State CEQA Guidelines section 15168, which reviewed environmental impacts associated with future development and buildout within the City's planning area that would be accommodated by the General Plan. A program EIR can be used for subsequent projects implemented within the scope of the program/plan and where the project is consistent with the general plan and zoning of the City or

county in which the project is located. Typically, site-specific impacts or new impacts that weren't addressed in the program EIR would be evaluated in an Initial Study, leading to preparation of a Negative Declaration, Mitigated Negative Declaration or EIR. Site-specific mitigation measures included in the General Plan EIR also would be a part of future development projects, and supplemented, as may be necessary with site-specific mitigation measures identified in the subsequent environmental review process.

The General Plan 2030 EIR reviewed all of the topics included on the Appendix G environmental checklist in the State CEQA Guidelines. Specific future development of the project site was not noted or evaluated in the General Plan 2030 EIR, and there were no site-specific impacts identified for the project site. However, as part of the overall estimated buildout, the EIR considered construction of new housing units and non-residential uses in the City with an estimated development of 3,350 new residential units throughout the City by the year 2030 with an associated population increase of 8,040 residents and approximately 1,088,000 sf of commercial space (SOURCE V.1b-DEIR volume). Since 2009, the General Plan 2030 EIR "baseline" year, approximately 3,035 residential units and 450,600 sf of commercial space has been constructed or approved or are under construction throughout the City. Thus, with the project and future net increase in 389 dwelling units would exceed the residential development anticipated and evaluated in the General Plan 2030 EIR by approximately 74 units but would be within the time period covered by the EIR. While the residential development would be slightly exceeded, total commercial development constructed or approved is less than half of what was analyzed in the General Plan 2030 EIR at approximately 450,560 sf.

In accordance with CEQA and the State CEQA Guidelines, this Initial Study is being "tiered" from the General Plan 2030 EIR. "Tiering" refers to using analyses of general matters contained in an EIR for a plan with later environmental analyses for development projects, concentrating solely on the issues specific to the later project. This approach is in accordance with State CEQA Guidelines section 15152, which encourages lead agencies to use an EIR prepared for a general plan or other program or ordinance, when the later project is pursuant to or consistent with the program or plan. The Initial Study tiers from the General Plan 2030 EIR for the following topics; relevant information is summarized under the each subsection.

- Aesthetics – Light and Glare
- Geology and Soils
- Hydrology and Water Quality – Groundwater
- Noise

The General Plan 2030 EIR is on file at the City's Planning and Community Development Department, 809 Center Street, Room 101, Santa Cruz, California from 7:30 to 11:30 AM, Monday through Thursday. The document also is available for review on the City of Santa Cruz Planning Department's website at: https://www.cityofsantacruz.com/government/city-departments/planning-and-community-development/long-range-policy-planning/general-plan.

ENVIRONMENTAL IMPACTS Issues (and Supporting Information Sources)	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
1. AESTHETICS. Except as provided in Public Resources Code Section 21099, 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 non-urbanized 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?			✓	
2. AGRICULTURE AND FORESTRY 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 Department 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? (V.1b-DEIR volume)				✓
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))?				✓

ENVIRONMENTAL IMPACTS Issues (and Supporting Information Sources)	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
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?				✓
3. AIR QUALITY. Where available, the significance criteria established by the applicable air quality management district 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?				✓
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?				✓

ENVIRONMENTAL IMPACTS Issues (and Supporting Information Sources)	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
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?				✓
5. CULTURAL RESOURCES. Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource pursuant to in Section 15064.5?	✓			
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5?			✓	
c) Disturb any human remains, including those interred outside of formal cemeteries?			✓	
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?	✓			
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. (V.Ia, V.1b-DEIR volume)				✓

ENVIRONMENTAL IMPACTS Issues (and Supporting Information Sources)	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
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 wastewater disposal systems where sewers are not available for the disposal of wastewater?				✓
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?			✓	
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?	✓			
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 ¼ miles of an existing or proposed school?				✓

ENVIRONMENTAL IMPACTS Issues (and Supporting Information Sources)	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 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 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 to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?				✓
10. HYDROLOGY AND WATER QUALITY. Would the project:				
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater 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 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 off-site; or			✓	

ENVIRONMENTAL IMPACTS Issues (and Supporting Information Sources)	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
iii) Create or contribute runoff water which would exceed the capacity of existing or planned storm water drainage systems or provide substantial additional sources of polluted runoff,				✓
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?				✓
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?	✓			
12. MINERAL RESOURCES. Would the project:				
a) Result in the loss of availability of a known mineral resource that would be of 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?				✓
13. NOISE: Would the project:				
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) Result in exposure of persons to or generation of excessive ground borne vibration or ground borne 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?				✓

ENVIRONMENTAL IMPACTS Issues (and Supporting Information Sources)	Potentially Significant Impact	Potentially Significant Unless 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?			✓	
15. PUBLIC SERVICES.				
a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities or need for new or physical 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?			✓	
16. RECREATION. Would the project:				
a) 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) Include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?				✓
17. TRANSPORTATION. Would the project:				
a) Conflict with a program plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?				✓

ENVIRONMENTAL IMPACTS Issues (and Supporting Information Sources)	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
b) Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?			✓	
c) Substantially increase hazards due to a design feature (for example, sharp curves or dangerous intersections) or incompatible uses (for example, farm equipment)?				✓
d) Result in inadequate emergency access?				✓
18. TRIBAL CULTURAL RESOURCES. Would the project:				
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?	✓			
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 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?	✓			

ENVIRONMENTAL IMPACTS Issues (and Supporting Information Sources)	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
c) Result in a determination by the wastewater 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?			✓	
20. WILDFIRE. If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:				
a) Substantially impair an adopted emergency response land or emergency evacuation?				✓
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?				✓
21. MANDATORY FINDINGS OF SIGNIFICANCE. Would the project:				
a) 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?	✓			

ENVIRONMENTAL IMPACTS Issues (and Supporting Information Sources)	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
b) 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 the past projects, the effects of other current projects, and the effects of probable future projects.)	✓			
c) Have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	✓			

Discussion of Environmental Checklist

See **Section VI, Explanation of Environmental Checklist** Responses, for discussion.

IV. Determination

On the basis of this initial evaluation:

I find that the project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.	
I find that although the 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 project MAY have a significant effect on the environment and an ENVIRONMENTAL IMPACT REPORT is required.	✓
I find that the project MAY have a "potentially 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 project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately 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 project, nothing further is required.	



March 13, 2024

Brittany Whitehill, AICP, Senior Planner — Date

V. References and Data Source List

Agency Plans and Studies

1. City of Santa Cruz *General Plan 2030* and EIR
   a. Adopted June 26, 2012. *General Plan 2030*. Available online at https://www.cityofsantacruz.com/government/city-departments/planning-and-community-development/long-range-policy-planning/general-plan.
   b. April 2012. City of Santa Cruz General Plan 2030 Final EIR. SCH #2009032007. Certified June 26, 2012. Includes Draft EIR document, dated September 2011. Available online at: https://www.cityofsantacruz.com/government/city-departments/planning-and-community-development/long-range-policy-planning/general-plan.
   c. July 2018. "Cultural Resources Background Report Update with Policies, Programs, and Maps, City of Santa Cruz, Santa Cruz County, California." Prepared by Dudek.

2. Other City of Santa Cruz Adopted Plans and Studies
   a. 2022. City of Santa Cruz 2030 Climate Action Plan Update, Resilient Together. Adopted September 2022.
   b. Adopted June 14, 2022. SB 743 Implementation Guidelines, City of Santa Cruz. May 12, 2022.
   c. Adopted November 2021. 2020 Urban Water Management Plan. Prepared by the City of Santa Cruz, Water Department. Available online at: https://www.cityofsantacruz.com/government/city-departments/water/urban-water-management-plan-2020.
   d. June 2020. Resolution of the City Council of the City of Santa Cruz Adopting the Use of Vehicle Miles Traveled as the New Transportation Measure of Environmental Impacts. June 9, 2020, with Draft SB 743 Implementation Guidelines (May 27, 2020).
   e. 2018. City of Santa Cruz Climate Adaptation Plan Update 2018-2023.
   f. Adopted January 2014. *Ocean Street Area Plan.* Prepared by Design, Community & Environment.

3. AMBAG
   a. Adopted June 15, 2022. "2022 Regional Growth Forecast."
   b. Adopted June 2022. *Monterey Bay 2045 Moving Forward, 2045 Metropolitan Transportation Plan / Sustainable Communities Strategy.*
   c. Adopted June 11, 2014. "2014 Regional Growth Forecast".

4. Monterey Bay Air Resources District
   a. Adopted March 15, 2017. *2012-2015 Air Quality Management Plan.* Adopted March 15, 2017. Available online at: http://www.co.monterey.ca.us/home/showdocument?id=62318.
   b. Revised February 2016, adopted April 1996. "Guidelines for Implementing the California Environmental Quality Act." Available online at: https://www.mbard.org/files/50d38962a/Attachment_Guidelines-for-Implementing-CEQA.pdf.

c. February 2008. "CEQA Air Quality Guidelines." Available online at: https://www.mbard.org/files/f665829d1/CEQA_full+%281%29.pdf.

Project Studies

5. Project Studies
   a) Archaeological Resource Management. November 4, 2019. Cultural Resource Evaluation of the Ocean Street Project in the City of Santa Cruz.
   b) Archaeological Resource Management. November 4, 2019. Historic Evaluations for the Properties Within the Ocean Street Project in the City of Santa Cruz.
   c) BDE Architecture, December 7, 2023, 908 Ocean Street Planning Resubmittal #4.
   d) BKF Engineering, September 29, 2023. Preliminary Stormwater Control Plan.
   e) Cornerstone, August 5, 2022. Geotechnical Investigation – 908 Ocean Street Mixed-Use Development.
   f) Haley Aldrich, December 2022. Off-site Sub-Slab Vapor Investigation – 908 Ocean Street.
   g) Haley Aldrich, October 22, 2023. Phase I Environmental Site Assessment – 908 Ocean Street.
   h) Haley Aldrich, August 15, 2023. Phase I Environmental Site Assessment – 902 Ocean Street.
   i) Haley Aldrich, September 27, 2023. Phase II Environmental Investigation Results – 908 Ocean Street.
   j) Haley Aldrich, November 8, 2022. Phase II Environmental Investigation Results – 475 May Avenue.
   k) Hexagon Transportation Consultants, January 31, 2024. 908 Ocean Street Mixed-Use Development Transportation Study.
   l) Kurt Fouts, Revised May 20, 2023. Arborist Report –Tree Inventory & Preliminary Construction Impacts for: Ocean Place – Ocean/Hubbard Streets & May Avenue.
   m) PAST Consultants, July 10, 2023. Historic Evaluation for 902 Ocean Street.

Initial Study Preparation

City of Santa Cruz Planning and Community Development Department in association with Dudek and Kimley-Horn.

VI. Explanation of Environmental Checklist Responses

1. Aesthetics

(a) Scenic Views. The project site is located in the central area of the City in a developed area characterized by a mix of residential, commercial, and community facilities. According to maps developed for the City's *General Plan 2030* and included in the General Plan 2030 EIR, the project site is not located within any mapped panoramic view areas and is not located within proximity to identified visual landmarks. There are no Panoramic View or Urban Views identified within the Ocean Street corridor or neighborhood (SOURCE V.1b-DEIR Figure 4.3 1). The project site is not part of a scenic view, and the proposed development of the project would not have an adverse effect on a scenic view as none have been identified, mapped or observed that include the project site. Therefore, the project would have *no impact* on scenic views.

(b) Scenic Resources. There are no designated state scenic highways or roads within the City. The project site is not located near a state scenic highway, although the project site is located south of Highways 1 and 17. Therefore, *no impact* to scenic resources within a state scenic highway would occur as result of the proposed development.

Furthermore, the project site is developed, and there are no structures or features on the project site that would be considered scenic resources. There are 33 trees on the project site that would be removed with the project, 13 of which are considered heritage trees, as defined by the City's Heritage Tree Ordinance, including five street trees. The street tree species include three London plane trees (*Platanus X hispanica*) (two of which would remain), one red oak (*Quercus rubra*) and one Himalayan birch (*Betula utilis var. jaquemontii*). Although heritage size as defined by City regulations would be removed, and several trees are larger trees that are visible along Ocean and Water Streets and in the immediate vicinity of the project site, the trees are not visible from a wide-ranging area, are not visually prominent or distinctive, and are not considered scenic resources. None of the trees on the project site would be considered scenic resources. Therefore, the project would have *no impact* on scenic resources.

(c) Visual Character. The project site currently is developed with a mix of one- and two-story commercial and residential buildings and surface parking lots. Land uses include auto-related services, multi-family housing, single family housing, retail and personal services, offices, a vacant building, and mixed-use parcels. The project site is bordered by commercial uses to the west (along Ocean Street) and south, and a mix of commercial and low- and moderate density residential uses to the north and east.

The General Plan 2030 EIR concluded that most of the future development accommodated by the General Plan would not substantially degrade the visual character of surrounding areas with implementation of General Plan policies and actions to develop design guidelines and review development to protect "distinctive design characteristics" and landmarks of neighborhoods (CD2.1, CD2.3) in combination with continued application of design review as part of Design Permit approvals.

Impact Analysis. The proposed project consists of one five-story building with a subterranean parking garage (Building A) fronting Ocean Street, and two three-story buildings (Buildings B and C) fronting May Avenue. Building A would have a maximum height of 69 feet and consist of ground-floor commercial and interior parking lot with four floors of residential above. This height would be greater than the most buildings along the Ocean Street corridor, which largely consists of one- to three-story buildings, except for the County of Santa Cruz Government Building located across the street to the southwest of the project site, which is five stores in height.

The overall massing of Building A would also be greater, particularly given the considerable length (approximately 550 feet) of the Building A along Ocean Avenue. To provide visual relief, the proposed design includes building setbacks, articulated facades, and variations in building materials. Additionally, opposite the intersection of Blaine Street, the building would be setback more than 100 feet to accommodate vehicle access and commercial parking and incorporate a 3,400-sf plaza that would lead into a ground floor paseo and open

to the eastern portion of the project site. Two existing London Plain trees would remain on Ocean Street and 13 additional street trees planted to provide further visual relief. Figure 4 Project Perspectives from Ocean Street illustrates the project from various viewpoints from Ocean Street.

Buildings B and C would have a maximum height of 38 feet. This height would be greater than the predominantly one-story residential and commercial buildings on the east side of May Avenue, but the height is within the allowable building height of three stories that is permitted in the Ocean Street Area Plan (Mixed-Use Medium Density subarea). The proposed design of these buildings also include substantial variation in building facades, setbacks, rooflines, and building materials. They would also include large windows, front door entrances and stoops, and street trees, creating an urban residential character that is contemporary and appropriate for an urban corridor in a City the size of Santa Cruz. Figure 5 Project Perspectives from May Avenue illustrates the project from various viewpoints from May Avenue.

Overall, the project would be taller fronting Ocean Street and step-down in building height and bulk along May Avenue, adjacent existing residential uses. However, the additional height for the building fronting Ocean Street would be required to be approved as part of the waivers and concessions allowed by the density bonus request.

The project will be reviewed through the Design Permit process. Per section 24.08.400 of the Municipal Code, the purpose of the City's Design Permit review is to "promote the public health, safety and general welfare through the review of architectural and site development proposals and through application of recognized principles of design, planning and aesthetics and qualities typifying the Santa Cruz community." The City must make the required findings to approve the Design Permit for the project, and with approval, the project would be consistent with Design Permit regulations that serve to reduce potential visual character impacts.

The City of Santa Cruz is an "urbanized area" under the definition of the term in CEQA Guidelines section 15387. Per the CEQA Guidelines Environmental Checklist (Appendix G) question that was amended subsequent to the certification of the General Plan 2030 EIR, the City need not specifically consider existing visual character or the quality of the existing views and the project's potential effect on them. In an urbanized area, a project that conflicts with applicable zoning and other regulations governing scenic quality could be considered to result in a significant impact. However, there are no regulations governing scenic quality applicable to the project site. There are some regulations regarding scenic views in the coastal zone, but the project is not located in the coastal zone. There are no other applicable zoning and other regulations governing scenic quality.

It is noted that the additional height allowed by an approved waiver pursuant to the density bonus law would not be considered to conflict with zoning standards. The court decision in *Wollmer v. City of Berkeley* expressly held that the waivers a city was required to grant for a density-bonus-eligible project did not result in planning and zoning inconsistencies because the mandatory nature of the waivers meant that those waived standards were

inapplicable to the project. The Court found that "taking these laws together as they operate in the context of a density bonus project, it is clear that the waived zoning standards are not "applicable."

Therefore, the project would result in a *less-than-significant impact* related to degradation of the visual character of the area. This conclusion is consistent with CEQA (Public Resources Code section 21099), which provides that aesthetic impacts of a residential, mixed-use residential, or employment center project on an infill site within a transit priority area shall not be considered significant impacts on the environment, although design review would still be required pursuant to local City requirements and regulations. "Infill site" means a lot located within an urban area that has been previously developed, or on a vacant site where at least 75 percent of the perimeter of the site adjoins or is separated only by an improved public right-of-way from, parcels that are developed with qualified urban uses. "Transit priority area" means an area within one-half mile of a major transit stop that is existing or planned. The project qualifies as mixed-use project on an infill site in a transit priority area as it is less than one-half mile from the Santa Cruz Metro Center on Pacific Avenue.

(d) Light and Glare. Light and glare refers to exterior lighting associated with surface parking, walkways, and lighting on buildings. There are no existing significant sources of excessive light or glare in the project area.

Impact Analysis. The project would not result in introduction of a major new source of light or glare, although there would be exterior lighting on the buildings, walkways courtyards, and surface parking areas. The General Plan 2030 EIR concluded that new infill development accommodated by the plan could result in potential sources of light and glare but would not result in creation of "substantial" new sources of light and glare or result in a significant impact. The EIR indicated that infill buildings would have standard window and exterior lighting treatments but would not be expected to result in new sources of substantial light or glare as future development projects would largely replace or redevelop existing urban uses. (The General Plan 2030 EIR analyses are included on pages 4.3-19 to 4.3-20 of the Draft EIR volume.)

Exterior lighting would be included as part of the proposed project, but would be typical of exterior building lighting elsewhere in the City and would not result in nighttime illumination levels beyond the property line. Additionally, section 24.14.266 of the City's Municipal Code prohibits direct or sky-reflected glare. Exterior building lighting also would be further reviewed as part of the Design Permit review process, and the project would be conditioned to install lighting such that it is directed downward and does not create light onto adjacent properties. Thus, the project would not be expected to create a new substantial source of light and glare and would not impact adjacent properties and the surrounding area. The following standard condition of approval will be included in the Project Conditions of Approval.

STANDARD CONDITION OF APPROVAL: Plans submitted for building permit issuance shall show all exterior site lighting locations and fixture details. All exterior building

lighting shall be shielded and contained in a downward direction. No exterior lighting shall produce off-site glare.

Therefore, the project would result in a *less-than-significant impact* related to creation of a new source of substantial light or glare.

2. Agriculture and Forestry Resources

The project site and adjacent areas are currently developed. The site does not contain farmland or grazing land as mapped on the Santa Cruz Important Farmland Map by the California Department of Conservation Farmland Mapping and Monitoring Program (SOURCE V.1b-DEIR Figure 4.15-1). The project site is designated as "Urban and Built-Up Land." Surrounding lands are designated as "Other Land" and "Urban and Built-Up Land." Neither the site nor adjacent lands are designated for agricultural uses in the City's General Plan. The project site is not zoned Timberland Production. Therefore, the project would not result in the conversion of agricultural or forest lands to other uses and *no impact* would occur.

3. Air Quality

(a) Conflict with Air Quality Management Plan. In 1991, the Monterey Bay Air Resources District (MBARD), formerly the Monterey Bay Unified Air Pollution Control District (MBUAPCD), adopted the Air Quality Management Plan (AQMP) for the Monterey Bay Region in response to the California Clean Air Act of 1988, which established specific planning requirements to meet the ozone standards. The California Clean Air Act requires that AQMPs be updated every three years. The MBARD has updated the AQMP seven times. The most recent update, the *2012-2015 Air Quality Management Plan* (2016 AQMP), was adopted in 2017. The 2016 AQMP relies on a multilevel partnership of federal, state, regional, and local governmental agencies. The 2016 AQMP documents the MBARD's progress toward attaining the state 8-hour ozone standard, which is more stringent than the state 1-hour ozone standard. The 2016 AQMP builds on information developed in past AQMPs and updates the 2012 AQMP. The primary elements from the 2012 AQMP that were updated in the 2016 revision include the air quality trends analysis, emission inventory, and mobile source programs (SOURCE V.4a).

For population-related projects, the MBARD developed a procedure that compares existing, under-construction, and approved residential dwelling units with AMBAG's housing unit forecast for a jurisdiction, as dwelling units are closely related to population and can be tracked within local jurisdictions; therefore, the number of dwelling units is used as the method for determining consistency with the AQMP. Consistency of indirect emissions associated with commercial, industrial, or institutional projects intended to meet the needs of the population as forecast in the AQMP is determined by comparing the estimated current population of the county in which the project is to be located with the applicable population forecast in the AQMP. If the estimated current population does not exceed the forecasts, indirect emissions associated with the project are deemed to be consistent with the AQMP. Projects which are consistent with AMBAG's regional forecasts have been accommodated in the AQMP and are therefore consistent with the AQMP (SOURCE 8a and 8b). The MBARD's most recent 2015 AQMP utilized AMBAG's 2014 Regional Growth Forecast.

The City had 24,415 existing dwelling units as of January 1, 2023 (California Department of Finance, 2023), and approximately 2,330 residential units are under construction or have been approved throughout the City, including residential development at the University of California Santa Cruz (UCSC)[2]. With the addition of these units, the City's housing units would total 26,745 dwelling units. The City's total number of housing units would increase to 27,134 dwelling units with the addition of the project's 389 residential apartment units. The resulting total is below the AMBAG Regional Growth Forecast of 28,297 dwelling units for the year 2030 that were factored into the AQMP. Furthermore, the project would result in a net reduction of approximately 18,000 sf of commercial space. Therefore, the project would be consistent with the AQMP, and would not conflict with or obstruct implementation of the AQMP and would result in *no impact*.

(b) Project Emissions. The U.S. Environmental Protection Agency (EPA) and the California Air Resources Board (CARB) have established ambient air quality standards that are the maximum levels of ambient (background) air pollutants considered safe, with an adequate margin of safety to protect public health and welfare. Criteria pollutants include ozone (O_3), nitrogen dioxide (NO_2), carbon monoxide (CO), sulfur dioxide (SO_2), inhalable particulates (PM_{10}), fine particulates ($PM_{2.5}$), and lead. High O_3 levels are caused by the cumulative emissions of reactive organic gases (ROG) and nitrogen oxides (NO_x), which react under certain meteorological conditions to form O_3. In California, sulfates, vinyl chloride, hydrogen sulfide, and visibility-reducing particles are also regulated as criteria air pollutants. An area is designated as "in attainment" when it is in compliance with the federal and/or state standards, as further discussed below.

The project site is located within the North Central Coast Air Basin (NCCAB), which is under the jurisdiction of the Monterey Bay Air Resources District (MBARD) and includes Santa Cruz, Monterey, and San Benito Counties. The NCCAB is designated attainment for the federal PM_{10} and SO_2 standards and is designated attainment/unclassified for the other federal standards. The NCCAB is designated attainment for the state $PM_{2.5}$, NO_2, SO_2, and lead standards, and is designated unclassified for CO in Santa Cruz County. The NCCAB has nonattainment designations for state O_3 and PM_{10} standards.

The MBARD 2012-2015 AQMP, adopted March 15, 2017, identifies a continued trend of declining O_3 emissions in the NCCAB primarily related to lower vehicle miles traveled (VMT), showing that the region is continuing to make progress toward meeting the state O_3 standard during the three-year period reviewed (SOURCE V.4a).

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[2] Residential projects at UCSC are primarily student housing projects, and there is one approved employee housing project and the first phase of the Student Housing West (Hagar Development). In general, part-year student housing is considered group quarters and year-round faculty / student family housing is counted as housing units (SOURCE V.3a). For the 2014 forecast used in the AQMP, University population and housing projections were completed separately from jurisdiction population projections (SOURCE V.3c). For the purpose of this review and in accordance with current AMBAG guidance, approved employee housing is considered as housing units, and student housing is considered group quarters and is not included as housing units, but the population accommodated by new student housing is included in the population estimates.

Impact Analysis. The project would indirectly generate air pollutant emissions through new vehicle trips associated with residential and commercial development, as well as emissions during construction. Given the project size, air emissions modeling is required to determine whether project criteria pollutant emissions would exceed MBARD's adopted significance thresholds or potentially violate air quality standards. Project construction also could result in generation of dust and PM_{10} emissions as a result of site excavation and grading. According to MBARD's *CEQA Air Quality Guidelines*, construction activity on 8.1 acres per day with minimal earthmoving or 2.2 acres per day with grading and excavation are assumed to be below the MBARD's PM_{10} significance threshold of 82 pounds per day. The area of proposed development is approximately 14.5 acres in size, which is exceeds this screening-level threshold and requires quantified emissions analysis to determine whether MBARD significance thresholds are exceeded for construction-related emissions.

Thus, project criteria air pollutant emissions could result in a *potentially significant impact*. Therefore, project criteria pollutant emissions will be analyzed in an EIR, which will include quantified emissions modeling.

(c) Sensitive Receptors. For CEQA purposes, a sensitive receptor is defined as any residence, including private homes, condominiums, apartments, and living quarters; education resources such as preschools and kindergarten through grade 12 (K-12) schools; daycare centers; and healthcare facilities such as hospitals or retirement and nursing homes (SOURCE V.4c). The project site is located adjacent to low density residential uses to the north and east.

Diesel particulate matter (DPM) was identified as a toxic air contaminant (TAC) by the State of California in 1998. Subsequently, the CARB developed a comprehensive strategy to control DPM emissions. The *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles*—a document approved by the CARB in September 2000—set goals to reduce DPM emissions in California by 75 percent by 2010 and 85 percent by 2020. This objective would be achieved by a combination of approaches, including emission regulations for new diesel engines and low-sulfur fuel program. An important part of the DPM risk reduction plan is a series of measures for various categories of in-use on- and off-road diesel engines, which are generally based on the following types of controls:

- Retrofitting engines with emission-control systems, such as DPM filters or oxidation catalysts;
- Replacement of existing engines with new technology diesel engines or natural gas engines; and
- Restrictions placed on the operation of existing equipment.

Once the DPM risk reduction plan was adopted, the CARB started developing emission regulations for a number of categories of in-use diesel vehicles and equipment. In July 2007, the CARB adopted regulations for in-use, off-road diesel vehicles that will significantly reduce particulate matter emissions by requiring fleet owners to accelerate turnover to cleaner engines and install exhaust retrofits.

Impact Analysis. Grading and project construction could involve the use of diesel trucks and equipment that would emit diesel exhaust, including DPM, which is classified as a TAC. Assessment of TAC-related (including DPM) cancer risks is typically based on a 70-year exposure period. Project excavation and construction activities that would use diesel-powered equipment would expose receptors to possible diesel exhaust above the 70-year exposure period. The project could expose sensitive receptors to substantial pollutant concentrations, and potential exposure of sensitive receptors to DPM and associated risks., which is considered a *potentially significant impact*. Therefore, the air quality analysis that will be included in an EIR will include a construction health risk assessment.

(d) Odors. According to the Air District's *CEQA Air Quality Guidelines* (SOURCE V.4c), land uses associated with odor complaints typically include landfills, agricultural uses, wastewater treatment plants, food processing plants, chemical plants, and refineries. The proposed residential and commercial uses would not create objectionable odors and *no impact* would occur.

4. Biological Resources

(a-c) Special-Status Species, Sensitive Habitat. The project site is located in an urban setting and is developed with a variety of residential and commercial buildings and 22 existing landscape trees. According to maps developed for the City's *General Plan 2030* and included in the General Plan 2030 EIR, the project site is not located within or adjacent to a sensitive habitat area (SOURCE V.1b, DEIR Figure 4.8-3), and there are no known endangered or threatened species on or adjacent to the site due to the site's location within a developed urban area (SOURCE V.1b, DEIR volume). There are no wetlands or jurisdictional waters on the project site per the National Wetlands Inventory website as maintained by the U. S. Fish & Wildlife Service. The project site does not contain sensitive habitat or habitat for special-status species, and therefore the project would result in *no impact*.

(d) Wildlife Movement/Breeding. The primary wildlife movement corridors are located along major watercourses and within City-owned open space lands, which would be protected from future development impacts. Table 1, Assessment and Management Protocols for Sensitive Species and Habitat, which is included the *General Plan 2030*, prescribes protocols and recommended management measures in wildlife dispersal corridors, including buffers and compliance with the Citywide Creeks and Wetland Management Plan. Projects adjacent to watercourses would be subject to setback requirements set forth in the Creeks and Wetlands Management Plan.

The project site is developed and located within an urban area. The site does not contain habitat, nor does it connect to other habitat areas and is not within or adjacent to a creek, riparian area, or wildlife dispersal area. The project is not located adjacent to or within proximity to a watercourse. Thus, the project would have no effect on wildlife movement and would not interfere with native fish or wildlife movement, and therefore the project would result in *no impact* related to wildlife movement .

Impact Analysis. The project would result in removal of 33 trees on the project site. These trees could provide potential nesting habitat for migratory birds which are protected by the Migratory Bird Treaty Act (MBTA) and the California Fish and Game Code (CFGC). Tree removal during the breeding season (generally February 15 to August 31) has the potential to destroy bird nests, eggs or chicks if any are present during the removal. Compliance with the MBTA would require that either a pre-construction nesting survey be conducted to confirm that no nesting birds protected under the MBTA are present if trees or removed during the nesting season or to remove trees outside of the nesting season. Compliance with required regulations would not result in a significant impact. Furthermore, General Plan Action NCR2.4.1 and Table 1 establish biological survey protocols, including pre-construction nesting bird surveys with establishment of appropriate construction buffers if needed, if tree removal and/or construction were to commence during the nesting season. A standard project condition of approval requires implementation of a pre-construction nesting survey, and the following standard condition of approval will be included in the Project Conditions of Approval.

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STANDARD CONDITION OF APPROVAL: If project site work occurs anytime between February 1 and August 31, the applicant shall submit documentation of a pre-construction nesting bird survey by a qualified biologist prior to the start of work. The survey shall be described in the biotic report, if such a report was prepared, and shall be completed no more than seven days before the start of any project construction activities on the site (including tree removal, clearing, and excavation) and shall include observations of any nesting activities on the site. Site work may commence once the Planning Department has accepted the report and confirmed that there are no nesting birds on the site or that an appropriate buffer zone around any active nests has been recommended by the biologist and physically established on the site.

Because the project would be required to comply with the MBTA and General Plan Action NCR2.4.1, and a standard condition of approval will be imposed by the City that requires a pre-construction survey during the construction period with protection of nesting birds if any are found, the potential impact to nesting birds is considered *less than significant*.

(e) Conflicts with Local Ordinances – Tree Removal. An arborist review was conducted to review approximately 33 trees on the project site, 13 of which are considered heritage trees, as defined by the City's Heritage Tree Ordinance in Chapter 9.56 of the City's Municipal Code. Generally, trees with a 14-inch or larger diameter are heritage trees. Heritage trees to be removed include an Italian stone pine (*Pinus pinea*), a walnut (*Julgans spp.*), a mature blackwood acacia (*Acacia melanoxylon*), a fan palm (*Washingtonia spp.*), a coast redwood (*Sequoia sempervirens*), and two willow (*Salix spp.*).

Impact Analysis. The project would result in the removal of 33 trees due to the location within the proposed construction footprint, all of which are non-native planted trees, except for one redwood tree. Thirteen of the trees to be removed are heritage trees as defined by the City's Heritage Tree Ordinance. The arborist report indicates that the physiological condition of the trees is typical of mature trees in restricted growing spaces

surrounded by hardscape and overall decline and other conditions were observed (SOURCE V.5j).

Chapter 9.56 of the City Municipal Code defines heritage trees, establishes permit requirements for the removal of a heritage tree, and sets forth mitigation requirements as adopted by resolution by the City Council. Resolution NS-23, 710 adopted by the City Council in April 1998 establishes the criteria for permitting removal of a heritage tree and indicates that one or more of the following findings must be made by the Director of Parks and Recreation:

1) The heritage tree or heritage shrub has, or is likely to have, an adverse effect upon the structural integrity of a building, utility, or public or private right of way;
2) The physical condition or health of the tree or shrub, such as disease or infestation, warrants alteration or removal; or
3) A construction project design cannot be altered to accommodate existing heritage trees or heritage shrubs.

Resolution NS-21, 436 sets forth the tree replacement/mitigation requirements for approved removal of a heritage tree to include replanting three 15-gallon or one 24-inch size specimen or the current retail value which shall be determined by the Director of Parks and Recreation. Removal would be permitted if found in accordance with the above criteria and requirements. Approval of a tree removal permit automatically requires replacement trees as set forth above. Removal of heritage trees consistent with City regulations and requirements is not considered a significant impact.

Removal of 13 heritage trees would require planting of 39 15-gallon trees or 13 24-inch size trees to replace the removed heritage trees. The project landscaping plan shows approximately 13 48-inch box trees to be planted along Ocean Street as well as retention of two existing street trees. In addition, the project landscaping plan shows approximately 40 trees to be planted in stormwater planter areas on the other sides of the project site perimeter. Therefore, the project would replace removed heritage trees in accordance with City requirements and would result in *a less than significant impact* related to conflicts with City regulations protecting trees. The project arborist report includes recommendations for protection of retained trees during construction, which would be included as a project condition of approval.

(f) Habitat Conservation Plans. There are no adopted Habitat Conservation or Natural Community Conservation Plans in the project vicinity. The City's approved Operations and Maintenance Habitat Conservation Plan (O&M HCP) is not applicable to the project or project site as it was developed for improvements or projects related to City facilities with the potential to take federally listed species and other non-listed special-status species. Therefore, the project would result in *no impact* related to potential conflicts with adopted Habitat Conservation or Natural Community Conservation Plans.

5. Cultural Resources

(a) Historical Resources. The project site is not located within a designated historic district (SOURCE V.1b-DEIR Figure 4.9-4). The existing residences on the project site are not listed in the Santa Cruz Historic Building Survey. The Historic Resource Evaluations conducted for the project identified one property (130 Hubbard Street) on the project site as potentially eligible for listing on the City's Historic Building Survey under Criteria 5, 6 and 7 as a good example of the National Folk style, characteristic of the middle-to-late 19th Century.

Impact Analysis. The project would result in demolition of 21 buildings, of which at least one has been determined to be a historical resource per CEQA definitions. As such, the impact to historical resources is considered *potentially significant* . Therefore, impacts historical resources will be analyzed in an EIR based on supplemental review provided in a Supplemental Built Environment Evaluation.

(b-c) Archaeological Resources. According to maps developed for the City's *General Plan 2030* and updated in 2018 (SOURCE V1.c), the project site is located within an area that is sensitive for archaeological resources (SOURCE V.1b-DEIR Figure 4.9-1). The site is not located within an area that is sensitive for historic archaeological resources (SOURCE V.1b-DEIR Figure 4.9-3).

Impact Analysis. A cultural resources evaluation of the project site was conducted in 2019, which included a records search of the California Historical Resources Information System (CHRIS) at the Northwest Information Center (NWIC) at Sonoma State University. The records search and field reconnaissance identified one previously recorded archaeological resources within a ¼-mile radius of the project site and no evidence of significant cultural materials during the field reconnaissance (SOURCE V.5a). However, the project cultural resources assessment did not find evidence of cultural resources as part of their field reconnaissance on the project site (SOURCE V.5a).

The project site is located within an area that is sensitive for archaeological resources, and construction may disturb unknown resources. Section 24.12.430 of the City's Municipal Code sets forth the procedure to follow in the event that prehistoric or cultural features are accidentally discovered during construction. Under provisions of this Code section, work shall be halted within 50 meters (150 feet) of the find until it can be evaluated by a qualified professional archaeologist. If the find is determined to be significant, the Planning Director shall be immediately notified, and appropriate mitigation measures shall be formulated and implemented. Additionally, the County Coroner and shall be notified in accordance with provisions of Public Resources Code 5097.98-99 in the event human remains are found and the Native American Heritage Commission shall be notified in accordance with the provisions of Public Resources Code section 5097 if the remains are determined to be Native American.

Although, there is a potential for the discovery of unknown cultural resources on the property during soil disturbing construction, such discoveries would be subject to review in accordance with City and state requirements. If archaeological resources or human remains are exposed or discovered during either site clearing or during subsurface

construction, operations shall stop within 150 feet of the find, and a qualified professional archaeologist shall be contacted for further review and recommendations. If a find is determined to be significant, the Planning Director shall be immediately notified, and appropriate measures shall be formulated and implemented in accordance with Section 24.12.430 of the City's Municipal Code – "Protection of Archaeological Resources." The County Coroner and shall be notified in accordance with provisions of Public Resources Code 5097.98-99 in the event human remains are found and the Native American Heritage Commission shall be notified in accordance with the provisions of Public Resources Code section 5097 if the remains are determined to be of Native American origin.

These City regulations are included in the following standard condition of approval that will be applied to the project.

STANDARD CONDITION OF APPROVAL: Any person exercising a development permit or building permit who, at any time in the preparation for or process of excavating or otherwise disturbing earth, discovers any human remains of any age or any artifact or any other object which reasonably appears to be evidence of an archaeological/cultural resource or paleontological resource, shall:

a. Immediately cease all further excavation, disturbance, and work on the project site;
b. Cause staking to be placed completely around the area of discovery by visible stakes not more than ten feet apart forming a circle having a radius of not less than one hundred feet from the point of discovery; provided, that such staking need not take place on adjoining property unless the owner of the adjoining property authorizes such staking;
c. Notify the Santa Cruz County sheriff-coroner and the city of Santa Cruz planning director of the discovery unless no human remains have been discovered, in which case the property owner shall notify only the planning director;
d. Grant permission to all duly authorized representatives of the sheriff-coroner and the planning director to enter onto the property and to take all actions consistent with this section.

Therefore, the potential impact to archeological resources is a *less-than-significant impact*.

6. Energy

(a) Energy Use. The project includes demolition of existing residential and commercial uses and the construction of a new mixed-use development project. The new uses would be subject to City and state building code requirements and would result in more energy efficient building design than the existing structure to be demolished. Future construction would not contribute to the wasteful, inefficient, or unnecessary consumption of energy and other resources. Residential uses that comply with the 2016 California Title 24 are about 28% more efficient than the 2013 Title 24, and energy efficiency will increase as older buildings are replaced.

Impact Analysis. Construction of the project would require consumption of nonrenewable energy resources, primarily in the form of fossil fuels (including fuel oil, natural gas, and gasoline) for automobiles and construction equipment, and other resources including, but not limited to, lumber, sand, gravel, asphalt, metals, and water. Construction would include energy used by construction equipment and other activities at the project site (e.g., building demolition, excavation, paving), in addition to the energy used to manufacture the equipment, materials, and supplies and transport them to the project site. It is expected that nonrenewable energy resources would be used efficiently during future construction of residential units accommodated by the project. Of the residential parking, 46 spaces (12%) would be for electric vehicles with charging stations. Therefore, the project is not expected to result in wasteful or inefficient energy use during construction or operation. However, energy consumption and potential inefficient use of energy resources will be evaluated in an EIR.

(b) Conflicts with Plans. Construction and operation of the project is not expected to conflict with or obstruct implementation of a state or local plan for renewable energy or energy efficiency. However, as indicated above, energy consumption and potential conflicts with plans will be evaluated in an EIR.

7. Geology and Soils

(a. i) Fault Rupture. The project site is located in a seismically active region of California and the region is considered to be subject to very intense shaking during a seismic event. The City of Santa Cruz is situated between two major active faults: the San Andreas, approximately 11.2 miles to the northeast and the San Gregorio, approximately 9.9 miles to the southwest. There are no active fault zones or risk of fault rupture within the City (SOURCE V.1b-DEIR Section 4.10). The closest active fault is the San Andreas fault, located approximately 10.8 miles northeast of the project site (SOURCE V.5e). The geotechnical report found that the project site is not located within a State-designated Alquist Priolo Earthquake Fault Zone, and that fault rupture is not a significant hazard at the site (SOURCE V.5e) Therefore, the project would result in *no impact* related to fault rupture.

(a. ii-iv) Seismic Hazards. Seismically induced hazards include ground shaking, surface rupture, ground failure, settlement, landslides, and water waves (SOURCE V.1a). According to maps developed for the City's *General Plan 2030* and included in the General Plan 2030 EIR, the project site is located in an area somewhat susceptible to liquefaction (SOURCE V.1b-DEIR Figure 4.10-4) but is not located within a mapped landslide area (SOURCE V.1b-DEIR Figure 4.10-3). A geotechnical investigation was prepared for the project site that included soils borings and testing. Site soils consist of undocumented fill with stiff- to very-stiff lean clays and medium dense sands (SOURCE V.5e).

While the project site was identified in the General Plan 2030 EIR in an area somewhat susceptible to liquefaction (SOURCE V.1b-DEIR Figure 4.10 4), the project site is not mapped by the California Geologic Survey as susceptible to liquefaction. The geotechnical investigation indicated that potentially liquefiable soils are present to depts of 50 feet (SOURCE V.5e). The

investigation also indicated that seismic shaking and lateral spreading were primary geotechnical considerations at the project site.

Impact Analysis. The proposed structures would be subject to seismic shaking from an earthquake on regional faults, but with implementation the geotechnical investigation recommendations, exposure to seismic hazards would be considered a *less-than-significant impact*.

The City is in relative proximity to historically active faults; as such, there is potential for development to be subject to strong seismic ground shaking. While the potential for seismic ground shaking cannot be eliminated, the project would be required to comply with the 2016 California Building Standards Code (California Code of Regulations, Title 24), which includes requirements for geotechnical investigations that establish seismic design parameters. Compliance with recommendations in the project geotechnical report and with the California Building Standards Code would reduce risks associated with strong seismic ground shaking at the project site. Therefore, the project would have a *less-than-significant impact* with regard to strong seismic ground shaking.

The geotechnical investigation included a liquefaction analysis and determined that several soil layers could potentially experience liquefaction triggers that could result in differential settlement of approximately 0.5 to 3.5 inches. Based on the geotechnical analyses, the potential for liquefaction-induced ground deformation is considered high for the northern half of the site. The potential for lateral displacement to impact the proposed development was found to be low (SOURCE V.5e). The geotechnical investigation recommends specific design parameters for the proposed building's foundation, and specifically. The recommends that proposed buildings be supported on reinforced mat foundations overlying ground improvements or deep foundations, such as auger-cast piles, which derive support from the underlying soils (SOURCE V.5e). Typical measures to address the potential for lateral spreading include ground improvement as recommended in the geotechnical report. Implementation of these recommendations would be verified through design documents that would be submitted to the City for review and approval prior to issuance of construction (grading or building) permits. The geotechnical report also includes recommended design measures to ensure the project would not cause substantial adverse effects, including the risk of loss, injury, or death, due to potential existing geologic hazards.

The General Plan 2030 EIR concluded that adherence to existing regulations and standards, including the California Building Code (CBC) and various policies and actions established in the *General Plan 2030* would minimize harm to people and structures from adverse seismic hazards. General Plan Action HZ6.3.1 requires that all new construction conform with the latest edition of the CBC, and Municipal Code section 18.040.030 adopts State of California building codes as part of the City's Building Code. General Plan Action HZ6.3.6 requires site-specific geologic investigation(s) by qualified professionals for proposed development in potential liquefaction areas and requires developments to incorporate the design and other mitigation measures recommended by the investigation. In addition, Municipal Code section 24.14.070 requires preparation of a

geotechnical report and implementation of recommendations for residential projects with more than four units that are within potential liquefaction areas, which has been completed for the project. Thus, buildings must be designed in accordance with the latest edition of the CBC, which sets forth structural design parameters for buildings to withstand seismic shaking without substantial structural damage. Conformance to the CBC as required by state law and the City would ensure the maximum practicable protection available for structures and their associated trenches, excavations and foundations. (The General Plan 2030 EIR analyses are included on pages 4.10-21 to 4.10-23 of the Draft EIR volume.)

The General Plan 2030 EIR concluded that with adherence to existing regulations and standards, including preparation of a project-specific geotechnical report and adherence to the CBC, as incorporated into the City's Municipal Code, and various policies and actions established in the General Plan, harm to people and structures from adverse seismic events would be minimized (SOURCE V.1b, DEIR volume).

As noted above, a project-specific geotechnical investigation was performed and design recommendations would be implemented. Demonstration of project design adherence to geotechnical report recommendations will be required at the time of building permit application that demonstrates that the proposed buildings are designed to current seismic design standards. Compliance with recommendations in the project geotechnical report and with the California Building Standards Code would reduce risks associated with strong seismic ground shaking, liquefaction, and lateral spreading at the project site. Therefore, impacts to seismic hazards would be *less than significant*. Although mitigation measures are not required as a significant impact has not been identified, the following measure is recommended as a condition of project approval.

RECOMMENDED CONDITION OF APPROVAL: Require implementation of recommendations set forth in the geotechnical investigation (Cornerstone Earth Group 2022), including, but not limited to recommendations regarding: site preparation; excavation, including construction dewatering; fill requirements; drainage; structural seismic design parameters; structural foundation deign; ground improvement; and all other recommendations.

(b) Erosion. According to maps developed for the City's *General Plan 2030* and included in the General Plan 2030 EIR, soils on the project site consists of Soquel loam with 0 to 2 percent slopes (SOURCE V.1b-DEIR Figure 4.10-6). The Soquel loam complex has a low erosion hazard potential (SOURCE V.1b-DEIR Section 4.10).

Impact Analysis. The project would result in the excavation of approximately 32,200 cubic yards (cy) of soil and approximately 5,700 cy of fill, resulting in a net removal of 26, 500 cy. See subsection 10(a) below regarding potential water quality impacts due to grading and earthwork.

The project site itself is generally flat, with less than one percent slopes from north to south. Project earthwork would include grading, trenching, and removing trees and other

vegetation. These activities would include ground disturbance, which would potentially result in short-term soil erosion. The project site is not located adjacent to a watercourse.

The General Plan 2030 EIR concluded that future development accommodated by the Plan could result in erosion during construction but could be mitigated with adherence to local regulations that require implementation of erosion control plans, and thus, potential erosion during construction would be minimized, resulting in a less-than-significant impact. The project will be required to implement erosion control plans and erosion control standards and requirements set forth in the City's Municipal Code Chapter 18.45. (The General Plan 2030 EIR analyses are included on pages 4.10-25 to 4.10-26 of the Draft EIR volume.)

Furthermore, because the proposed project footprint is greater than one acre, it would be subject to the National Pollutant Discharge Elimination System (NPDES) permit requirements for construction site stormwater discharges and would comply with those requirements. A Storm Water Pollution Prevention Plan (SWPPP) is required to be prepared and implemented under these requirements, which includes appropriate erosion-control and water-quality-control measures during site preparation, grading, construction, and post-construction. Implementation of the SWPPP for the proposed project would minimize short-term erosion impacts. Long-term impacts of the proposed project would not result in substantial erosion, as the soils would be covered by buildings, pavement, vegetation, and landscaping. With required implementation of required erosion control plan and SWPPP, the project would result in a *less-than-significant impact* related to erosion.

(c) Geologic Hazards. Non-seismically induced hazards include slope instability, cliff retreat, and non-seismic settlement and landslides (SOURCE V.1a). The project site is relatively level and is not in an area susceptible to landslides (SOURCE V.1b, DEIR Figure 4.10-3). The project site is not located in an area of steep slopes (SOURCE V.1b, DEIR Figure 4.10-5). As described in the geotechnical report, there are no non-seismically induced geologic hazards present on or near the project site. (SOURCE V.5e). Therefore, the project would result in *no impact* related to non-seismic geologic hazards.

(d) Expansive Soils. The geotechnical investigation prepared for the project site included exploratory borings and laboratory testing. Site soils consist of undocumented fill with stiff- to very-stiff lean clays and medium dense sands. Below the fill, the site soils consist medium stiff to stiff lean clary with varying amounts of sand to depths of 15 to 20 feet below existing ground surface, underlain by loose clayey and/or silty sands to depths of 62 feet. These soil types are commonly associated with moderately expansive soils (SOURCE V.5e).

Ground water at varying depths (nine to 11 feet below current grades) was also identified on the project site. Nearby monitoring well data in the project vicinity indicates that groundwater has been measures at depths of three and a half to five feet. Therefore, the geotechnical investigation recommended a design groundwater depth of five feet (SOURCE V.5e).

Impact Analysis. Moderately expansive soils are present on the project site. To reduce the potential for damage to planned structures, the geotechnical investigation includes recommendations for foundation design, placement of engineered fill, and drainage controls. The General Plan 2030 EIR concluded that future development accommodated by the Plan could be exposed to expansive soils, which would be addressed through compliance with state and local regulations, including the CBC requirements and section 24.14.070 of the City's Municipal Code (requirement for geotechnical investigations), which would ensure that buildings are designed to prevent structural damages based on the project-specific geotechnical report. (The General Plan 2030 EIR analyses are included on pages 4.10-24 to 4.10-25 of the Draft EIR volume.)With required implementation of recommendations in the project-specific geotechnical report and adherence to the CBC, as incorporated into the City's Municipal Code, the project would result in a *less-than-significant impact* related to expansive.

(e) Septic Systems. The project would be connected to an existing 14-inch sanitary sewer in May Avenue and would not use septic systems. Therefore, *no impact* would occur.

(f) Paleontological Resources. According to maps developed for the City's *General Plan 2030* and included in the General Plan 2030 EIR, the project site is located within an area mapped as the Holocene alluvium unit (SOURCE V.1b-DEIR Figure 4.9-5). Though Holocene alluvium is generally considered too young to contain paleontological resources, this geologic unit is moderately sensitive for paleontological resources because it is underlain by sedimentary geologic units that have a high paleontological sensitivity. The crystalline rocks that underlie the sedimentary rocks of the General Plan planning area have a low paleontological sensitivity because igneous and metamorphic rocks do not generally contain paleontological resources (SOURCE V.1b-DEIR Section 4.9).

Impact Analysis. While the project site does not contain known paleontological resources, construction activities could potentially destroy unknown paleontological resources. General Plan Action HA1.2.3 requires the City to notify applicants within paleontologically sensitive areas of the potential for encountering such resources during construction and condition approvals that work will be halted and resources examined in the event of encountering paleontological resources during construction. If the find is significant, the City would require treatment of the find in accordance with the recommendations of the evaluating paleontologist. Treatment may include, but is not limited to, specimen recovery and curation or thorough documentation. The City includes this requirement as a standard condition of approval, and therefore the impact potential impact to paleontological resources would be considered *less than significant*.

STANDARD CONDITION OF APPROVAL: In the event that paleontological resources are encountered during construction, work shall be halted in the vicinity of the find until it can be evaluated by a professional paleontologist. If a find is determined to be significant, treatment of the find in accordance with the recommendations of the evaluating paleontologist shall be required. Treatment may include, but is not limited to, specimen recovery and curation or thorough documentation.

8. Greenhouse Gas Emissions

(a) Greenhouse Gas Emissions. Climate change refers to any significant change in measures of climate, such as average temperature, precipitation, or wind patterns over a period of time. Climate change may result from natural factors, natural processes, and human activities that change the composition of the atmosphere and alter the surface and features of the land. Significant changes in global climate patterns have recently been associated with global warming, an average increase in the temperature of the atmosphere near the Earth's surface, attributed to accumulation of greenhouse gas (GHG) emissions in the atmosphere. Greenhouse gases trap heat in the atmosphere, which in turn heats the surface of the Earth. Some GHGs occur naturally and are emitted to the atmosphere through natural processes, while others are created and emitted solely through human activities. Climate change models predict changes in temperature, precipitation patterns, water availability, and rising sea levels, and these altered conditions can have impacts on natural and human systems in California that can affect California's public health, habitats, ocean and coastal resources, water supplies, agriculture, forestry, and energy use (SOURCE V.1b, DEIR volume).

The most common GHG that results from human activity is carbon dioxide, followed by methane and nitrous oxide. The primary contributors to GHG emissions in California are transportation (about 37 percent), electric power production (24 percent), industry (20 percent), agriculture and forestry (6 percent), and other sources, including commercial and residential uses (13 percent). Approximately 81 percent of California's emissions are carbon dioxide produced from fossil fuel combustion (SOURCE V.1b, DEIR volume).

In 2006, the California Legislature passed the Global Warming Solutions Act of 2006 (AB 32), which sought to reduce GHG emissions generated by California to 1990 emissions levels by the year 2020. AB 32 defines GHGs to include carbon dioxide, methane, nitrous oxide, hydrocarbons, perfluorocarbons and sulfur hexafluoride. In 2016, the Legislature followed up with SB 32, which requires California, by 2030, to reduce its statewide GHG emissions so that they are 40 percent below those that occurred in 1990.

In enacting both AB 32 (2006) and SB 32 (2016), the Legislature codified some of the ambitious GHG reduction targets included within certain Executive Orders issued by Governors Schwarzenegger and Brown. The 2020 statewide GHG reduction target in AB 32 was consistent with the second of three statewide emissions reduction targets set forth in former Governor Schwarzenegger's 2005 Executive Order known as S-3-05, which is expressly mentioned in AB 32. (See Health & Safety Code section 38501, subd. (i).) That Executive Branch document included the following GHG emission reduction targets: by 2010, reduce GHG emissions to 2000 levels; by 2020, reduce GHG emissions to 1990 levels; by 2050, reduce GHG emissions to 80 percent below 1990 levels. To meet the targets, the Governor directed several State agencies to cooperate in the development of a climate action plan. The Secretary of Cal-EPA leads the Climate Action Team, whose goal is to implement global warming emission reduction programs identified in the Climate Action Plan and to report on the progress made toward meeting the emission reduction targets established in the executive order.

In 2015, Governor Brown issued Executive Order, B-30-15, which created a "new interim statewide GHG emission reduction target to reduce GHG emissions to 40 percent below 1990 levels by 2030 is established in order to ensure California meets its target of reducing GHG emissions to 80 percent below 1990 levels by 2050." SB 32 codified this target.

In 2018, Governor Brown issued Executive Order B-55-18, which established a statewide goal to "achieve carbon neutrality as soon as possible, and no later than 2045, and maintain and achieve negative emissions thereafter." The order directs the CARB to work with other State agencies to identify and recommend measures to achieve those goals.

The California Air Resources Board (CARB) is the lead agency for implementing AB 32 and SB 32. In accordance with these statutes, CARB conducts an annual statewide GHG Emission Inventory that provides estimates of the amount of GHGs emitted to the atmosphere by human activities within California. In accordance with requirements of AB 32, CARB adopted an Initial Scoping Plan in 2008 and is required to update the scoping plan at least every five years. The First Update to the Scoping Plan, approved in 2014, established a 2030 emissions target of 40 percent below 1990 levels. The 2017 Scoping Plan identified a balanced mix of strategies to meet the State's 2030 GHG limit.

The current 2022 Scoping Plan for Achieving Carbon Neutrality (2022 Scoping Plan) was approved by CARB on December 15, 2022. The 2022 Scoping Plan lays out a path not just to carbon neutrality by 2045, but also to the 2030 GHG emissions reduction target. The 2022 Scoping Plan analyzed four scenarios, with the objective of informing the most viable path to remain on track to achieve the 2030 GHG reduction target. The scenario modeling indicates that, if the plan described in the Proposed Scenario is fully implemented, and done so on schedule, the State would cut GHG emissions by 85 percent below 1990 levels, result in a 71 percent reduction in smog-forming air pollution, reduce fossil fuel consumption by 94 percent, and create 4 million new jobs, among other benefits (SOURCE V.2a).

The 2022 Scoping Plan details "Local Actions" in Appendix D, which includes recommendations intended to build momentum for local government actions that align with the State's climate goals, with a focus on local GHG reduction strategies (commonly referred to as climate action planning) and approval of new land use development projects, including through environmental review under CEQA. The recommendations provided in Appendix D are non-binding and should not be interpreted as a directive to local governments, but rather as evidence-based analytical tools to assist local governments with their role as essential partners in achieving California's climate goals. Appendix D recognizes consistency with a CEQA-qualified GHG reduction plan such as a Climate Action Plan as a preferred option for evaluating potential GHG emission impacts under CEQA.

The City's *General Plan 2030* includes goals, policies, and actions on climate change, including reducing communitywide GHG emissions 30 percent by 2020, reducing 80 percent by 2050 (compared to 1990 levels), and for all new buildings to be emissions neutral by 2030.

In September 2022, the City adopted the 2030 Climate Action Plan (CAP) that updates the previous 2020 CAP that was adopted in 2012 and outlines measures and actions that are intended

to reduce GHG emissions, per capita, by approximately 40 percent below 1990 levels by 2030, meeting the California Senate Bill 32 target for 2030 to reduce total GHG emissions 40 percent below 1990 levels. The CAP also seeks to achieve a carbon neutrality goal by the year 2035 prior to the State's target carbon neutrality goal by 2045.

To further the City's progress toward reaching these targets, the CAP identifies measures intended to reduce the City's GHG emissions; these measures apply to municipal operations, as well as public and private projects. The targets in the CAP are consistent with the emissions reduction goals outlined in California Senate Bill 32 and progress the state toward achieving its goal of carbon neutrality by 2045 (Executive Order B-55-18). The CAP includes 31 measures with 152 associated individual actions, intended to reduce GHG emissions throughout the City. The measures include those related to building energy use and reduction, transportation, public infrastructure, and other climate restoration and sustainable government measures. Through implementation of its measures and actions, the CAP aims to reduce building energy consumption, vehicle miles traveled, solid waste generation, and increase carbon sequestration.

> *Impact Analysis.* The project would indirectly result in the generation of GHG emissions through new vehicle trips and on-going building operations (e.g., heating and cooling). CEQA Guidelines Section 15183.5 allows a lead agency to determine that a project's incremental contribution to a cumulative environmental impact is not cumulatively significant under CEQA if the project complies with the requirements in a previously adopted plan or mitigation program, under specified circumstances. A climate action plan may be used to streamline the CEQA GHG analysis process if it identifies specific GHG emissions reduction strategies and measures applicable to new development. GHG reduction programs that are applicable to new development are summarized in a CAP Project Review Checklist that is included in and adopted as part of the CAP. A project would be consistent with the CAP checklist by implementing all applicable actions in the CAP checklist, and if not, If a project cannot implement all applicable measures in the checklist, the project may be subject to a projects specific GHG analysis as part of the project's required CEQA review. The proposed project was not able to implement all the applicable measures in the CAP Project Review Checklist. Thus, Therefore, impacts associated with indirect GHG emissions resulting from the project are considered a *potentially significant impact*. Therefore, a project specific GHG emissions analysis, including quantified emissions, will be evaluated in an EIR.

(b) Conflicts with Applicable Plans. The project would not conflict with state plans adopted for the purpose of reducing GHG emissions. The General Plan 2030 EIR found no impacts related to conflicts with applicable plans related to GHG emissions and reduction strategies.

As described above, the Santa Cruz City Council adopted the 2030 CAP which addresses citywide greenhouse emissions and reduction strategies. The CAP incorporates a variety of measures and actions that focus on continued effort to reduce GHG emissions. The CAP provides City emissions inventories, identifies emissions reduction targets for the year 2030 and beyond, and includes measures and actions that are categorized into the following sections with corresponding measures and actions: building energy; transportation; water, waste, and wastewater; climate restoration; climate economy; and sustainable municipal government. These measures address

and cover topics related to building energy consumption, solar programs, building electrification, active/public transportation programs, including: ridesharing, electric vehicles, remote work policy and infrastructure, water consumption, solid waste reduction, wastewater treatment, urban forestry, green jobs, and municipal facilities. Each measure has supporting actions, states the GHG reduction potential, lists which City department is responsible for implementation, and explains the advantages and benefits of the specific action. The CAP also includes an Implementation chapter that outlines funding, implementation accountability, and monitoring / reporting procedures for the measures and actions. The project includes features that further reduce GHG emissions, consistent with measures included in the 2030 CAP as described above.

Impact Analysis. While the project incorporates some GHG reduction measures identified by the City in the CAP Project Review Checklist, the project was not found consistent with the City's CAP explained above. Given the foregoing, further review of the project and potential impacts related to conflicts with plans related to GHG emissions and reduction strategies will be included in the GHG emissions analysis in an EIR.

9. Hazards and Hazardous Materials

(a-b, c) Use or Release of Hazardous Materials or Creation of Hazard. . The proposed project consists of a mixed-use project, consisting of residential and commercial land uses, which would not involve the routine transport, use, or disposal of hazardous materials or wastes, except for typical household and commercial cleaning supplies. Thus, the project would not result in the creation of a significant public health hazard. The project site is not within a quarter mile of an existing or proposed school and would not result in stationary emission sources or hazardous emissions. Therefore, the project would result in *no impact*.

(d) Exposure to Hazardous Materials. According to a Phase 1 Environmental Site Assessment (ESA) prepared for the project site, there are four recognized environmental conditions (RECs) and one historical RECs (HRECs) associated with the project site. Site investigations found a small residual petroleum hydrocarbon groundwater plume and elevated fuel constituent VOCs and chlorinated VOCs in soil vapor associated with the former operations of an automobile repair station. Stained soil, poor housekeeping, former and current hazardous materials use and storage, and a former UST were observed. The project site is currently an open site assessment case under the oversight of the Santa Cruz Environmental Health Division (CSCEHD), Case No. RO0000375, GeoTracker Global ID T10000018627.

Impact Analysis. Project construction could result in release of and/or exposure to hazardous materials. Additional investigation was recommended in the Phase I ESA to evaluate the current subsurface environmental conditions. Additionally, given the project site's known petroleum hydrocarbon and VOC-impacted subsurface conditions, along with the possible presence of USTs, a Site Management Plan was recommended to address the special handling and disposal of the soil, groundwater, and unanticipated subsurface features (i.e., underground storage tanks) that could be encountered during future construction (SOURCE V.5g and V.5h). The presence of known hazardous RECs and HRECs on the project site is considered a *potentially significant impact* and will be analyzed in an EIR.

(e) Location Near Airports. The closest airport is the Watsonville Municipal Airport located more than 10 miles south in the City of Watsonville. The project site is not located within two miles of a public airport or private airstrip. Therefore, the project would result in *no impact*.

(f) Emergency Response. Existing access to the project site's 20 parcels is from Ocean Street and May Avenue via various private driveways. The project would consolidate site access by providing four vehicular access points to the project site; two from May Avenue and two from Ocean Street. The proposed driveway and primary internal access road would be a minimum 20 feet wide, allowing for emergency vehicle access. Also, under the proposed circulation conditions, vehicles would have multiple turnaround points. These changes to vehicle circulation would therefore improve access for residents, visitors, and emergency vehicles.

The project would not include any changes to existing public roadways that provide emergency access to the site, except for private access improvements described above. Therefore, the project would not impair implementation of or physically interfere with an emergency response or evacuation plan and would not result in an impact.

Currently, the City does not have an adopted evacuation plan detailing the specifics of how an evacuation of a neighborhood would occur because an evacuation would need to respond to the specific challenges posed by the specific disaster prompting the evacuation. However, evacuations are highly coordinated and closely managed by the Santa Cruz County Office of Emergency Services. If an evacuation were necessary, evacuation zones would be established, and designated zones would be evacuated at staggered times to minimize congestion of evacuees with notification provided to evacuees. Natural disaster evacuation is a city-wide and regional issue, and the project would have no implications for the City's established evacuation procedures.

The project would not include any changes to existing public roadways that provide emergency access to the site. Therefore, the project would have *no impact* related to interference with adopted emergency response or evacuation plans.

(g) Wildland Fire Hazard. The General Plan 2030 EIR indicated that future growth could result in an indirect increased risk of wildfires in the urban-rural interface and adjacent to the City's greenbelt areas. The EIR indicates that areas targeted as "likely" to have a wildland fire include the Arroyo Seco/Meder Canyon, DeLaveaga, Pogonip, Moore Creek area and Arana Gulch, and future growth in these areas could result in an indirect increased risk of wildfires in the urban-rural interface and adjacent to the City's greenbelt areas.

According to maps developed for the City's *General Plan 2030* and included in the General Plan 2030 EIR, the project site is not located within a high fire hazard area (SOURCE V.1b, DEIR Figure 4.6-1). The project is located in an urban area and does not contain significant sources of flammable materials (e.g., timber land). The project would meet all City requirements for access, and the building would be required to install fire sprinkler systems in accordance with City regulations. Therefore, the project would not expose people or structures to a significant

risk of loss, injury or death involving wildland fires, resulting in *no impact*. See also section IV.20 below.

10. Hydrology and Water Quality

(a) Water Quality/Discharges. The project does not involve discharges that would violate any water quality standards or waste discharge requirements.

Within urbanized areas such as the City, pollutants frequently associated with stormwater include sediment, nutrients, oil and grease, heavy metals, and litter. The primary sources of stormwater pollution in urban areas include automobiles, parking lots, landscape maintenance, construction, illegal connections to the stormwater system, accidental spills, and illegal dumping.

Urban runoff and other "non-point source" discharges are regulated by the 1972 Federal Clean Water Act (CWA), through the National Pollutant Discharge Elimination System (NPDES) permit program that has been implemented in two phases through the California Regional Water Quality Control Boards (RWQCB). Phase I regulations, effective since 1990, require NPDES permits for storm water discharges for certain specific industrial facilities and construction activities, and for municipalities with a population size greater than 100,000. Phase II regulations expand the NPDES program to include all municipalities with urbanized areas and municipalities with a population size greater than 10,000 and a population density greater than 1,000 persons per square mile (SOURCE V.1b. DEIR volume).

The City has developed a Storm Water Management Program (SWMP) in order to fulfill the requirements of the Phase II NPDES General Permit for Discharges of Storm Water from Small Municipal Separate Storm Sewer Systems (MS4) (General Permit) and to reduce the amount of pollutants discharged in urban runoff. In compliance with the Phase II regulations, the City's comprehensive SWMP is designed to reduce the discharge of pollutants to the Maximum Extent Practicable (MEP) and to protect water quality (SOURCE V.1b, DEIR volume).

The City also adopted an ordinance for "Storm Water and Urban Runoff Pollution Control" (Chapter 16.19 of the City's Municipal Code), as part of its Storm Water Management Plan in accordance with the RWQCB's requirements. The ordinance identifies prohibited discharges and requires BMPs for construction and new development. City regulations (Municipal Code section 16.19.140) requires that any construction project, including those undertaken under any permit or approval granted pursuant to Titles 15 (Streets and Sidewalks), 18 (Buildings and Construction), and 24 (Zoning) of the Municipal Code, shall implement BMPs including the City's mandatory BMPs as detailed in the latest BMP manual published by the City's Public Works Department. BMPs shall be maintained in full force and effect during the duration of the project. The City's BMP manual requires a development project to include structural or treatment control BMPs, or a combination of BMPs, to reduce potential pollutant loadings in storm water runoff to the maximum extent practicable.

The City's mandatory BMPs must be implemented to protect water quality into the municipal storm drain system. The project would also be subject to the Central Coast Post-Construction

Requirements (PCRs) that were enacted by the Central Coast RWQCB in July 2013. The PCRs are for projects that create and/or replace ≥2,500 square feet of impervious surfaces. Based on the amount of new/replaced impervious surface area created by the project (approximately 22,941 square feet), the project would be required to comply with Tiers 1 through 4 (Site Design, Water Quality Treatment, Runoff Retention, and Peak Management).

Construction activity on projects that disturb one or more acres of soil must obtain coverage under the State's General Permit for Discharges of Storm Water Associated with Construction Activity (Construction General Permit, 99-08-DWQ). Construction activity subject to this permit includes clearing, grading, and disturbances to the ground such as stockpiling or excavation. The Construction General Permit requires the development and implementation of a Stormwater Pollution Prevention Plan (SWPPP). The SWPPP must list best BMPs that the discharger will use to protect stormwater runoff and the placement of those BMPs. A Notice of Intent (NOI) and SWPPP must be prepared prior to commencement of construction.

Impact Analysis. The project could result in water quality degradation due to stormwater runoff and potential erosion during construction. However, the project is consistent with the City's stormwater management requirements, and potential erosion will be controlled with implementation of an erosion control plan as explained above in section V.7.B.

Project development would result in a net increase of 3,909 sf of impervious area for a total impervious area of 162,320 sf. Since the project exceeds the 22,500 threshold of replaced and new impervious surface, it is considered to fulfill Tier 4 of post-construction Best Management Practices (BMP) requirements. However, this project is exempted from the Tier 4 requirement because the ultimate stormwater discharge is routed to a "highly altered channel" (concrete lined Branciforte Creek), as described in the Santa Cruz's Chapter 6B of the Best Management Practices Manual for the City's Storm Water Management Program. Therefore, the project is proposing Tier 1 through Tier 3, whereby 10% of effective impervious area would be dedicated as retention-based treatment area.

A stormwater control plan (SWCP) has been prepared for the project that details drainage features to collect and treat stormwater runoff. Stormwater would be controlled with a rainwater harvesting system which would include 24 bioretention areas allowing stormwater to permeate into the ground. Due to the high groundwater of five feet below existing grade, underground storage chambers are not feasible. Therefore, during high-flow events, excess stormwater from each biorientation area would overflow through a drain to the curb before discharging into new eight- and twelve-inch storm drains, and ultimately into the May Avenue storm drain (SOURCE V.5d).

Based on the project plans and the City's mandatory water quality/discharge regulations described above, stormwater runoff as a result of the proposed development would not result in adverse impacts to water quality as the planned stormwater management system meets City requirements for stormwater treatment, resulting in a *less-than-significant impact*. The project would not result in waste discharge that would violate any water quality standards, resulting in *no impact*.

(b) Groundwater. The City is primarily developed, and no groundwater recharge areas are identified or mapped in the City's *General Plan 2030* or General Plan 2030 EIR; groundwater resources utilized as part of the City's water supply are obtained from aquifers outside of the City (SOURCE V.1b. DEIR volume). The General Plan 2030 EIR concluded that development accommodated by the General Plan would not be located within groundwater recharge areas and would have no effect on recharge capabilities, and therefore, would not deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table. (The General Plan 2030 EIR analyses are included on pages 4.5-40 to 4.5-42 of the Draft EIR volume.) Development within groundwater mapped recharge areas also is regulated in Municipal Code section 24.14.090 in order to minimize adverse environmental impacts.

The project site is not located within a water supply aquifer. The project would not include groundwater wells and would continue to receive municipal water from the City of Santa Cruz. The project would be connected to the City's public water system and does not include the use of a groundwater well. Thus, the project would not affect groundwater supplies or recharge or impede sustainable groundwater management of the basin. Therefore, the project would have *no impact* on groundwater supplies or recharge.

(c[i-iii]) Drainage. The project site is currently mostly developed with impervious surface area associated with the existing buildings and surface parking. The project site currently drains via sheet flow and curb and gutter to catch basins located as the northeast corner of Hubbard Street and May Avenue intersection and northeast corner of May Avenue and Water Street intersection. The stormwater that is collected at these two catch basins is then conveyed through city's main storm drain system and discharged to Branciforte Creek.

> *Impact Analysis.* Project development would result in a net increase of 3,909 sf of impervious area on the project site for a total impervious area of 162,320 sf. As described above in subsection (a), stormwater would be collected and treated onsite with a new storm drain system, including bioretention areas before being discharged into the City's storm drains. The project would not alter existing drainage patterns. The project's stormwater system is designed so that the project stormwater flows would not exceed the capacity of storm water facilities or result in substantial erosion. The project would not result in alteration of existing drainage patterns. The project would result in a minimal slight increase in stormwater runoff but would not exceed capacity of storm drainage systems with the planned stormwater management system. Therefore, the project would result in a *less-than-significant impact* related to drainage.

(d) Flood and Tsunami Zones. The project site is not located within a Federal Emergency Management Agency (FEMA) flood hazard area (SOURCE V.1b-DEIR Figure 4.7-1). The project site is not in a tsunami inundation zone (SOURCE V.1b-DEIR Figure 4.7-2). Therefore, the project would result in *no impact* related to release of pollutants in flood or tsunami zones.

Sea Level Rise. The General Plan 2030 EIR reported that sea level rise, storms of increasing intensity, and an alternating series of floods and droughts threaten the City of Santa Cruz in the

coming decades. The EIR indicated that the City was in the process of drafting a "Climate Change Adaptation Plan" to identify and evaluate the potential impacts of climate change on the City of Santa Cruz, analyze the severity of the hazards that the City faces, and develop potential adaptation responses to reduce the risk and exposure of the City to these hazards.

The City prepared a "Climate Adaptation Plan" with funding from FEMA. The objectives of this Plan are to identify and evaluate the potential impacts of climate change on the City of Santa Cruz, analyze the severity of the hazards that the City faces, and develop potential adaptation responses to reduce the risk and exposure of the City to these hazards. The potential risks were identified in a "Vulnerability Study" that identified potential facilities vulnerable to risks of sea level rise, including beaches, the City's wastewater treatment facility, and the Santa Cruz Harbor (SOURCE V.1b, DEIR volume). The Climate Adaptation Plan Update 2018-2023, adopted by the City Council in October 2018, further addresses sea level rise.

The project site is not located within an area identified as being subject to potential effects of coastal storm hazards or sea level rise (SOURCE V.2e). The project site also doesn't contain any critical facilities, listed in the Climate Adaptation Plan, which provide essential services and protect life and property within the City. Thus, there would be *no impact* related to sea level rise.

(e) Conflict with Plans. The project site is not located adjacent to a water course or water body The project would not result in new discharges or conflict with provisions in the Central Coast Basin Plan as all project stormwater would be directed into the City's storm drain system with pre-treatment in a bioretention basin to prevent water quality degradation in accordance with the City's stormwater requirements. A sustainable groundwater management plan for the area in which the project is located has not yet been prepared. Therefore, the project would not conflict with or obstruct implementation of an adopted water quality or groundwater plans and there would be *no impact*.

11. Land Use and Planning

(a) Physical Division of Community. The project site is located within a developed urban area of the City. The project would not physically divide an established community. and would result in *no impact*.

(b) Consistency with Local Policies/Plans. The project site has a General Plan designation of Mixed-Use Medium Density (MXMD), and zoning designations of MU-OH Mixed Use Ocean High Density and MU-OM Mixed Use Ocean Medium Density. The project will require a review of potential project conflicts with plans, policies or regulations adopted for the purpose of avoiding or mitigating an environmental effect. Until the review is complete, this is considered a *potentially significant impact* that will be evaluated in an EIR.

12. Mineral Resources

There are no mines or areas of known mineral resources within the City (SOURCE V.1b-DEIR). Therefore, the project would have *no impact* on mineral resources.

13. Noise

(a) Noise Increases. The project area is located in the Ocean Street neighborhood. The noise assessment conducted for the General Plan 2030 EIR indicates that noise levels along Ocean Street between the southerly terminus of Highway 17 and Broadway would be within the 65-decibel (dB) contour within 70 feet of the centerline of the road. (SOURCE V.1b, DEIR Figures 4.13-1 and 4.13-2). Ambient noise levels are characterized by vehicular traffic and activities along Ocean Street and adjoining streets.

For commercial uses, normally acceptable exterior noise levels are 70 dB and conditionally acceptable levels are identified as 60-70 dBA (SOURCE V.1b-DEIR volume). For multi-family residential uses, normally acceptable exterior noise levels are 65 dB and conditionally acceptable levels are identified as 60-70 dB (Ibid.). An interior CNEL of 45 dBA is mandated by the State of California Noise Insulation Standards (California Code of Regulations, Title 24, Part 6, Section T25 28) for multiple-family dwellings and hotel and motel rooms. Since normal noise attenuation within residential structures with closed windows is about 20 dBA, an exterior noise exposure of 65 dBA Ldn allows the interior standard to be met without any specialized structural attenuation (e.g., dual paned windows) (Ibid.). For typical residential construction (i.e., light frame construction with ordinary sash windows), the minimum amount of exterior to interior noise reduction is at least 20 dBA with exterior doors and windows closed and approximately 15 dBA with windows partially open for ventilation. Buildings constructed of stucco or masonry with dual-glazed windows and solid core exterior doors can be expected to achieve an exterior to interior noise reduction of approximately 25-30 dBA (Ibid.).

At the end of 2018, amendments to the State CEQA Guidelines were adopted by the State of California that included changes to the Appendix G environmental checklist, including elimination of questions related to exposure to noise. The questions focus on the potential temporary and permanent noise generated by a project.

Impact Analysis. the proposed project would result in varying increases in temporary and permanent noise levels as discussed below. The nearest sensitive noise receptors are residential uses located east of May Avenue and north of the project site.

Temporary Noise Increases. There would be a temporary increase in existing noise levels during demolition, earthwork, and construction of the project, which is anticipated to occur over an approximate two- and half--year period. Construction noise levels would depend on the noise generated by various pieces of construction equipment, the timing and duration of noise-generating activities, and the distance between construction noise sources and noise-sensitive receptors, as well as existing ambient noise levels. The highest noise levels would be generated during demolition and grading, with lower noise levels occurring during building construction and finishing. As explained in the General Plan

2030 EIR, construction sound levels would be intermittent and varied through a single day as well as throughout the duration of project construction.

The *General Plan 2030* includes goals, policies and actions that set forth measures to avoid and minimize adverse impacts of increased noise resulting from construction or operation of development projects (HZ3.1.1,HZ3.1.2, HZ3.1.3, and HZ3.1.5). The General Plan 2030 EIR concluded that with implementation of General Plan policies and adherence to City regulations, temporary noise impacts from future development would be less than significant. The General Plan EIR concluded that development accommodated by the plan would result in construction of varying sound level and duration, but with implementation of General Plan policies and actions that set forth measures to minimize exposure construction noise levels, the increase in temporary noise levels from construction-related activities would be considered less than significant. General Plan policies seek to minimize and monitor construction noise (HZ3.1.3, HZ3.1.5). In particular, the General Plan seeks to ensure that construction activities are managed to minimize overall noise impacts on surrounding land uses (HZ3.1.3). (The General Plan 2030 EIR analyses are included on pages 4.13-20 to 4.13-22 of the Draft EIR volume.)

Development projects are reviewed on a case-by-case basis, and typical conditions of approval include limiting the day and times of day during which construction and/or heavy construction can be conducted, provision of notification to neighbors regarding construction schedules, and implementation of a process to receive and respond to noise complaints. These are some of the types of measures that would be required by the City to manage and minimize construction noise impacts of development projects per proposed General Plan Actions HZ3.1.3 and HZ3.1.5 (SOURCE V.1b, DEIR volume), which would be considered uniformly applied development policies and standards.

Construction of the proposed project would result in temporary increases in noise levels that would be variable throughout the construction period. Sensitive noise receptors in the vicinity would experience a temporary increase in noise levels. However, construction sound levels would be intermittent and varied through a single day as well as throughout the duration of project construction, and construction noise levels would decrease with distance from the construction site. Overall, construction noise levels would be temporary and short-term, and would fluctuate throughout the construction period with the construction activities producing higher noise levels occurring earlier in the construction phase. Therefore, construction noise would not result in substantial increases in temporary noise levels or result in a significant impact to sensitive receptors, and the project would result in a *less-than-significant impact* regarding temporary noise increases.

Permanent Noise Increases. The project would result in new include residential development and commercial space, which are not uses that are typically associated with activities that would generate substantial permanent increases in ambient noise levels. Operational noise from the project would include exterior mechanical equipment. The project parking area would be within an enclosed, partially underground, parking garage that due to being enclosed, would create a shield to vehicular noise.

The project mechanical equipment would largely be limited to the roof. Mechanical equipment would be enclosed and/or screened in order to attenuate sound from this source and to comply with City regulations. Section 24.14.260 prohibits five dB (dBA) increases of sound levels above the local ambient noise level on a residential property. . In addition, Municipal Code section 24.14.220 indicates that no land or building in any district shall be used or occupied in any manner so as to create noise or vibration in such a manner or in an amount as to adversely affect the surrounding area or adjoining premises. Municipal Code section 9.36.010 prohibits offensive noise between the hours of 10 PM and 8 AM, and section 9.36.020 prohibits unreasonably disturbing noises. These regulations are intended to prevent increases in ambient noise levels. The following standard condition of approval will be included in the Project Conditions of Approval.

> **STANDARD CONDITION OF APPROVAL:** All new mechanical equipment and appurtenances, including gas and water meters, electrical boxes, roof vents, air conditioners, antennas, etc. visible from the public way and from adjacent properties, shall be screened with material compatible with the materials of the building and shall be subject to the approval of the Zoning Administrator. Prior to issuance of a building permit, the applicant shall provide documentation confirming that all heat pumps comply with the City's noise standards.

Net traffic increases resulting from the project would contribute to incremental increases in noise, but would not be of the magnitude to result in a significant impact. The General Plan 2030 EIR analyses found that noise increases related to traffic increases resulting from future development could increase noise levels adjacent to Ocean Street by 1-2 dB, which was below the threshold of significance for impacts related to permanent noise increases. (The General Plan 2030 EIR analyses are included on pages 4.13-18 to 4.13-20 of the Draft EIR volume.) The proposed project would result in a net increase of approximately 180 PM peak hour trips, which when added to existing traffic volumes, would increase noise levels by less than 0.5 dB, which is less than the 3-dB increase identified for significant impacts in the General Plan 2030 EIR. Therefore, the project would not result in a significant increase in noise levels due to increase vehicle trips.

Therefore, the project would not result in generation of a significant temporary or permanent increase in ambient noise levels, and impacts are considered *less-than-significant impact*.

(b) Vibration. Vibration is an oscillatory motion through a solid medium, in which the motion's amplitude can be described in terms of displacement, velocity, or acceleration. Typically, groundborne vibration generated by heavy equipment or traffic on rough roads attenuates rapidly with distance from the source of the vibration so that potential impact areas are confined to short distances. Ground vibration generated by construction equipment spreads through the ground and diminishes in magnitude with increases in distance. The effect on buildings located in the vicinity of the construction site often varies depending on soil type, ground strata, and construction characteristics of the receiver building(s). The results from vibration can range from no perceptible effects at the lowest vibration levels, to low rumbling sounds and perceptible vibration at moderate levels, to slight damage at the highest levels.

Construction-related ground vibration is normally associated with impact equipment such as pile drivers, jackhammers, and the operation of some heavy-duty construction equipment, such as dozers and trucks. Vibration decreases rapidly with distance.

Impact Analysis. The project would not result in generation of or exposure to vibration as the proposed residential and commercial uses are not known to be sources of vibration. The General Plan 2030 EIR indicates that there were no planned land uses that would be expected to result in generation of groundborne vibration, and that the potential for vibration is mostly associated with construction-related impacts.

Based on recommendations described in the geotechnical investigation (SOURCE V.5e), construction of the project would not require pile-driving or drilling for the project. Construction, and potentially resulting vibration, would be performed during daytime hours and would be temporary in nature, although standard construction equipment typically does not generate substantial levels of vibration.

In conclusion, project construction or future residential uses would not result in activities or use of equipment that would create excessive vibration or exposure people to excessive vibration and impacts would be *less than significant*.

(c) Location Near Airport. The closest airport is the Watsonville Municipal Airport located more than 10 miles south in the City of Watsonville. The project is not located near a public airport or private airstrip, and therefore would result in *no impact*.

14. Population and Housing

(a) Inducement of Substantial Population Growth. The City had a population of 63,224 people as of January 1, 2023.[3] The project's 389 residential units would result in an increased population of approximately 895 residents based on the City's existing average household size of 2.3. With the addition of the project's residents, the City's population would total 64,119. This is within the adopted regional population forecast of 68,845 for the City of Santa Cruz for the year 2025 (SOURCE V.3a), and also within the population forecast of 64,649 residents in the City in 2025 that was considered in the General Plan 2030 EIR.

Impact Analysis. The project is consistent with current regional forecasts and would not substantially induce unplanned population growth. Therefore, this increase in population would be within planned growth, and the project would result in a *less-than-significant impact* related to population growth.

(b) Displacement of People or Housing. The project would result in demolition of 12 existing, dwelling units, six of which are currently occupied. The applicants have submitted a tenant

[3] California Department of Finance. May 2023. "E-5 Population and Housing Estimates for Cities, Counties, and the State, 2020-2023." Available online at: https://dof.ca.gov/forecasting/demographics/estimates/e-5-population-and-housing-estimates-for-cities-counties-and-the-state-2020-2023/.

relocation plan to the City demonstrating that all units will be vacated prior to the commencement of construction, and that tenants in good standing will be eligible for relocation assistance and first right of refusal in compliance with local and state tenant relocation requirements. Thus, the project would not displace people or result in a substantial displacement of housing. The project would result in future construction of 389 new residential units, replacing the units to be demolished, and would not require construction of replacement housing elsewhere, and there would be *no impact*.

15. Public Services

(a-b, d-e) Fire, Police, Parks, and Other Public Services. The project would be served by existing public services. The project would have no measurable effect on existing public services in that the incremental increase in demand would not require expansion of any services to serve the project. Construction of new fire or police facilities to serve the project would not be warranted. New development would be required to install automatic fire sprinklers and alarms in accordance with City requirements and comply with other Fire Department recommendations regarding access.

As indicated in Section III.B above, the City's General Plan 2030 EIR considered construction of approximately 3,350 residential units throughout the City to the year 2030 (SOURCE V.1b-DEIR volume). The project would slightly exceed the overall amount of residential development evaluated at a program level in the General Plan 2030 EIR, although the amount of commercial development throughout the City is about half of what was estimated in the General Plan 2030 EIR. The EIR analyses concluded that impacts of potential development and buildout accommodated by the General Plan would be less than significant for fire and police protection services and parks and recreation.

> *Impact Analysis*. The proposed project would result in an incremental demand for police and fire protection services and park facilities. The proposed project would slightly exceed the total amount of potential development analyzed in the General Plan 2030 EIR in combination with other constructed and approved developed, resulting in approximately 75 more residential units than analyzed in the EIR. Although, this level of development would not be considered substantial in that it is not anticipated that a new fire or police protection facility or park would be required as a result of the project, potential impacts to police and fire protection services and parks will be further reviewed in an EIR.

(c) Schools. Schools and educational services are provided to City residents by the Santa Cruz City Schools District (SCSD), as well as a number of private schools, for grades K through 12. The SCSD is comprised of an elementary and a high school district, governed by a common Board of Education and a general administrative staff. The district serves students residing in the City of Santa Cruz and in county locations from Davenport to Soquel. There are six schools serving nearly 2,000 students in the elementary district, including a Dual Immersion Program. The secondary district includes two middle schools, three comprehensive high schools, a

continuation school, an independent studies program and a home school program with a combined population of approximately 4,660 students. [4]

Impact Analysis. The project would result in future construction of 389 multi-family residential units. The proposed residential units would be served by the SCSD. Development of the project would result in an estimated student enrollment increase of 80 students throughout all grades [5]. Due to declining enrollment over the past five years, schools serving the project site (DeLaveaga Elementary, Branciforte Middle School, and Harbor High School) have adequate capacity to serve the project based on current enrollments, and expansion would not be required to serve the project.

In accordance with Section 65995(h) of the California Government Code, the project would be required to pay school impact fees to the SCSD at the time of the building permit issuance. These fees are used to mitigate impacts associated with long-term operation and maintenance of school facilities. The project applicant's fees would be determined at the time of the building permit issuance and would reflect the most current fee amount established by the SCSD. School fees from residential and commercial uses would help fund necessary school service and facilities improvements to accommodate anticipated population and school enrollment growth within the SCSD service area and would allow for the SCSD to allocate these funds as deemed necessary. Pursuant to Government Code Section 65995, payment of development fees is "full and complete mitigation" for impacts on schools. Therefore, the project would result in a *less-than-significant impact* on public schools.

16. Recreation

(a) Use of Existing Parks and Recreational Facilities. The City has responsibility for management, maintenance, and operation of over 1,700 acres of parks and open space lands, and various community/recreational facilities, and oversees development of new parks and improvements within City-owned parks, open space, and community facilities. The nearest recreational facilities to the project site include: 1) Grant Park, located north of the project site adjacent to Grant Street, 2) Central Park, located south of Water Street adjacent to Ocean Street, and 3) San Lorenzo Park, located between the San Lorenzo River and the Santa County Administrative Building at 701 Ocean Street.

As indicated in Section III.B above, The City's General Plan 2030 EIR considered construction of approximately 3,350 residential units throughout the City to the year 2030 (SOURCE V.1b-DEIR volume). The EIR analyses concluded that impacts of potential development and buildout accommodated by the General Plan would be less than significant for parks and recreation.

[4] https://www.sccs.net/administration/district_profile

[5] Based on an average generation rate of .2055 students per household per the SCSDs *2022 Developer Fee Justification Study for the Santa Cruz School Districts*, Schoolworks Inc., June 2022, page 5.

Impact Analysis. The proposed project would result in an increase in residential population with an incremental increased demand for and use of public parks and recreational facilities. The proposed project would slightly exceed the total amount of potential development analyzed in the General Plan 2030 EIR in combination with other constructed and approved developed, resulting in approximately 75 more residential units than analyzed in the EIR. However, this level of development would not be considered substantial in that it is not expected that park or recreational facility use as a result of the project would lead to substantial deterioration of any one park facility. However, this impact will be further reviewed in an EIR.

Furthermore, the City imposes a "Parks and Recreation Facilities Tax" (pursuant to Chapter 5.72 of the Municipal Code) on new residential development within the City, payable at the time of issuance of a building permit. The collected taxes are placed into a special fund, and "shall be used and expended solely for the acquisition, improvement and expansion of public park, playground and recreational facilities in the City" (Municipal Code section 5.72.100). The required fees for park expansion and improvements would be considered an application of uniformly applied development standards. (It is noted that projects that have dedicated land or fees in accordance with Municipal Code Chapter 23.28 requirements for subdivisions are exempt from this tax).

(b) New Recreational Facilities. The project does not include public recreational facilities. Therefore, the project would result in *no impact* related to potential significant impacts resulting from provision of new park or recreational facilities.

17. Transportation/Traffic

(a) Conflict with Circulation Plan, Policy, or Ordinance. The project site is located on Ocean Street, a major transportation corridor serving the City. It is bordered by commercial businesses on Ocean and Water streets. Vehicular project access would be provided from Ocean Street and May Avenue. The Santa Cruz Metro Transit District (METRO) has bus route service adjacent to the project stie along Ocean Street. The project site is within a half-half mile from the Santa Cruz Metro Center, which provides routes to other locations in the county. Additionally, the project site is served by METRO routes along both Ocean Avenue (Route 35) and Water Street (Routes 1,2, and 90X) which are adjacent to the project site. Class II bike paths are located on the east and west side of Ocean Avenue, and the Santa Cruz Riverwalk (a Class I multi-use pathway) extends along the levee of the San Lorenzo River just west of the project site.

The *General Plan 2030* includes goals, policies and actions that set forth comprehensive measures to reduce vehicle trips, increase vehicle occupancy, encourage use of alternative transportation modes, and promote alternative-sustainable land use patterns, all of which would help reduce vehicle trips, avoid and minimize adverse impacts related to traffic. In particular, several policies and actions that call for implementation of road, pedestrian, bicycle and transit improvements through the City's Capital Improvement Program and other sources (M2.1.3, M2.3.2, M3.2.2). The proposed project is an infill, mixed-use development project that is encouraged in the General Plan and is located in area designated for higher density that is proximity to transit, bicycle and pedestrian facilities. Thus, the project is consistent with City

policies that promote sustainable land use patterns, mixed-use development, and consolidation of parcels along transit corridors to encourage use of other transportation modes (LU4.2, 1, LU4.2.1, LU3.7, LU3.8, CD3.3, and M1.1.

The City's General Plan strives to maintain the established "level of service" D or better at signalized intersections (M3.1.3). "Level of service" (LOS) is typically used to evaluate traffic operations, in which operating conditions range from LOS "A" (free-flowing) to LOS "F" (forced-flow). The City's General Plan also accepts a lower level of service and higher congestion at major regional intersections, if necessary, improvements would be prohibitively costly or result in significant, unacceptable environmental impacts (M3.1.4).

A transportation study prepared for the project found that all signalized intersections in the project vicinity would operate at acceptable LOS with the project (SOURCE V.5k).

The project would not conflict with any policies, programs or regulations addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities. The project is located in a developed area near transit, services, and recreation with a sidewalk and bike lane network. The project provides onsite bicycle parking facilities in accordance with City requirements; the project would include 486 bicycle spaces for the residential units and eight for the commercial uses, for a total of 494 spaces. The project location is in proximity to transit, bicycle, and pedestrian facilities, which would facilitate use of alternative modes of transportation, consistent with General Plan transportation policies and goals. To improve vehicular, pedestrian and bicycle circulation, the project transportation study identified a number of minor recommendations to the project plans that will be considered by City and included as Project Conditions of Approval.

Therefore, the project would not conflict with plans or policies regarding the City's circulation system. Additionally, the project would be required to pay the City's traffic impact fee at the time of building permit issuance. These fees are used to address needed traffic improvements at key intersections for circulation and also for alternative transportation improvements; 15 percent of the collected traffic impact fees are allocated to alternative transportation improvements. Therefore, the project would result in *no impact* with regards to potential conflicts with circulation policies.

(b) Conflicts with State CEQA Guidelines. CEQA Guidelines section 15064.3, subdivision (b) codifies the switch from LOS to vehicle miles traveled (VMT) as the metric for transportation analysis pursuant to state legislation adopted in 2013. In September 2013 Governor Brown signed Senate Bill 743 which made significant changes to how transportation impacts are to be evaluated under CEQA. SB 743 directs the Governor's Office of Planning and Research (OPR) to develop a new metric to replace LOS as a measure of impact significance and suggests vehicle miles travelled as that metric. According to the legislation, upon certification of the guidelines, automobile delay, as described solely by LOS shall not be considered a significant impact (Section 21009(a)(2)). SB 743 also creates a new CEQA exemption for certain projects that are consistent with the regional Sustainable Communities Strategy.

CEQA Guidelines section 15064.3(b) indicates that development projects that exceed an applicable VMT threshold of significance may indicate a significant impact. Generally, projects within one-half mile of either an existing major transit stop or a stop along an existing high-quality transit corridor should be presumed to cause a less than significant transportation impact. Projects that decrease vehicle miles traveled in the project area compared to existing conditions should be presumed to have a less than significant transportation impact.

In accordance with the amended CEQA Guidelines, the City has transitioned from intersection LOS formerly used for traffic impact analyses to VMT as the metric for determining potentially significant impacts. The City adopted a VMT transportation threshold on June 9, 2020, in accordance with CEQA and state requirements, as well as VMT Implementation Guidelines that are consistent with the State's SB 743 Guidelines. The threshold generally establishes that a project exceeding a level of 15 percent below the County-wide average VMT may result in a significant transportation impact. The City's adopted SB 743 (VMT) Implementation Guidelines include potential Transportation Demand Management (TDM) measures to help achieve VMT reduction. Updates to the City's Guidelines were adopted on June 14, 2022.

The City's guidelines to determine whether a land use project is within the VMT threshold includes a screening process in which situations are identified under which projects are determined to not have a significant impact and further VMT analysis is not required. The guidelines require that each distinct land use for a mixed-use project be analyzed separately unless they are determined to be insignificant to the total VMT. The guidelines also state that housing projects are expected to cause a less-than-significant impact on VMT if a high percentage of the project is affordable, as determined by the City. Furthermore, projects, or portions of a project, which meet the screening criteria do not require a CEQA transportation analysis, and such projects, or portions of a project, will have a non-significant CEQA transportation impact based on their project location and characteristics. According to the City's guidelines, projects that would not be expected to result in a significant VMT impact and that are screened out from further transportation impact review include:

- Small projects that generate fewer than 110 trips per day;
- Projects near high quality transit: within a ½ mile of a major transit stop or a high-quality transit corridor with a combined service interval frequency of 15 minutes or less during the AM and PM peak hours;
- Local-serving retail if a single store is less than 50,000 square feet or project is a local-serving project as determined by the City;
- Affordable housing projects that provide a high percentage of affordable housing as determined by the City;
- Local essential service, including day care center, public K-12 schools, police or fire facility, medical/dental office building, government offices, and supportive housing types (assisted living, permanent supportive housing, memory care, etc.);
- Map based screening; and
- Redevelopment projects that do not result in a net increase in VMT (SOURCE V.2d).

Furthermore, the *General Plan 2030* includes goals, policies and actions that set forth comprehensive measures to reduce vehicle trips, increase vehicle occupancy, encourage use of alternative transportation modes, and promote alternative-sustainable land use patterns, all of which would help reduce vehicle trips and VMT, and avoid and minimize adverse impacts related to traffic. The General Plan 2030 EIR indicates that Policies M3.1.1 and M3.1.2 direct the City to seek ways to reduce vehicle trip demand, reduce the number of peak hour vehicle trips, and encourage high occupant vehicle travel. Implementation of General Plan policies that serve to reduce VMT would be considered uniformly applied development policies or standards. General Plan policies also encourage employment-related strategies (i.e., flextime, telecommuting, parking management, ridesharing) (M3.1.7, M3.1.8, M2.4.4) as ways to reduce vehicle trips, which would also reduce VMT.

Impact Analysis. City staff reviewed the project in accordance with the City's adopted guidelines. The proposed project meets the screening criteria because it is located in a VMT Efficient Area based on the Santa Cruz County Residential Screening Map, and, therefore, the project is located in an area that produces VMT per capita that is at least 15-percent below the Countywide average). In addition to the map-based screen criteria, as described above in section (a), the project is also within ½ mile of a major transit stop that provides service at an interval of 15 minutes or less during AM and PM peak hours. The proposed project can use the screening criteria in the City's SB 743 Implementation Guidelines as follows.

- Projects near High-Quality Transit: This screening criterion is met as the proposed project is within one-half mile of a high-quality transit stop (Santa Cruz Metro Center) as defined by California Public Resources Code section 21064.
- Local-Serving Retail: This screening criterion covers commercial uses that would be considered local-serving retail uses and not exceed the screening level of 50,000 square feet. The proposed commercial use would be considered locally serving commercial retail.

For these reasons, according to the City's guidelines, the project would not result in a significant impact related to VMT based on the City's adopted threshold and guidelines and is screened out from further VMT impact review. Therefore, the project would result in a *less-than-significant impact* related to VMT and would not conflict or be inconsistent with CEQA Guidelines section 15064.3.

(c) Design-Safety. Design safety included roadway geometric design (e.g., sharp curves) in incompatible uses that could result in a hazard. The project site currently contains a number of private driveways that are accessed from Ocean Street and May Avenue. The project has been designed in accordance with standard City requirements, and there are no access designs that would substantially increase hazards. The project would not result in increased hazards related to project design, would not provide inadequate emergency access, and would not result in new significant impacts, would result in *no impact* related to project design that could result in substantial increases in hazards.

(d) Emergency Access. Adequate emergency access to the project site is required for police, fire and emergency services. The project has been designed in accordance with City police and fire department requirements and would provide for adequate emergency access. The project would provide four vehicular access points to the project site. Two driveways would be from May Avenue, one at the center and one at the southeast corner of the project site. These driveways would provide access to surface parking and a residential garage on the ground-floor of Building B. The southeasterly driveway would also provide direct truck access to a trash/recycling enclosure. On the southwest corner of the project site fronting Ocean Street, residential access would be provided by a driveway to a basement garage in Building A. Commercial and visitor access, as well as residential ground-floor garage access would be from a driveway on Ocean Street, east of Blaine Street.

All driveways and internal roadways would be reviewed as part of the Design Review process to ensure there is adequate emergency access, consistent with current City regulations. Therefore, the project would result in *no impact* related to emergency access.

18. Tribal Cultural Resources

(a and b) Tribal Cultural Resources. The California Public Resources Code section 21084.2 establishes that "[a] project with an effect that may cause a substantial adverse change in the significance of a tribal cultural resource is a project that may have a significant effect on the environment." The requirements for review of impacts to tribal cultural resources (TCR) were added after the certification of the General Plan 2030 EIR. In addition, the City provided notice of the project to local Native American tribes in accordance with AB 52 and to determine whether tribal cultural resource(s) are present within the project area, and if so, whether or not those resources would be significantly impacted by the project.

Assembly Bill (AB) 52 requires that California lead agencies consult with a California Native American tribe that is traditionally and culturally affiliated with the geographic area of a project, if so requested by the tribe. AB 52 also specifies that a project with an effect that may cause a substantial adverse change in the significant of a tribal cultural resource (TCR) is a project that may have a significant effect on the environment. Defined in Section 21074(a) of the Public Resources Code, a TCR is a site feature, place, cultural landscape, sacred place, or object, which is of cultural value to a California Native American tribe and is either listed in or eligible for listing in the California Register of Historical Resources or a local historic register, or the lead agency, at its discretion, chooses to treat the resource as a TCR.

On April 21,2022, in accordance with Public Resources Code Section 21080.3.1, subd. (b), Amah Mutsun Tribe, which is traditionally and culturally affiliated with a geographic area within the City, requested formal notice of and information on proposed projects that the City would serve as a lead agency under CEQA. The City provided notice to the tribe on December 21, 2023, and on December 27, 2023, the City received a formal request for consultation pursuant to AB 52. The City initiated consultation with members of the tribe on January 25, 2024. The results of the consultation and evaluation of any identified impacts to tribal cultural resources will be evaluated in an EIR.

19. Utilities and Service Systems

(a) Relocation or Construction of Utilities. Existing utilities are located on May Avenue including water, sewer, storm drain, and dry utilities. The project would be served by existing utilities. The project would include the extension of water, storm drain, sanitary sewer lines, and other utilities to the project site from May Avenue. These utilities would be located within the proposed driveways on the project site. The project would not require the relocation or construction of new utilities, other than extension of utility lines to serve the project, and, there would be *no impact*.

(b) Water Supply. The project site is located within the service area of the City of Santa Cruz Water Department, which serves an approximate 20-square-mile area. The service area includes the entire City of Santa Cruz, adjoining unincorporated areas of Santa Cruz County, a small part of the City of Capitola, and coastal agricultural lands north of the City. Water is treated at the City's Graham Hill Water Treatment Plant (GHWTP), except for groundwater, which is treated as part of the Beltz well system.

The City's water system is comprised of four main sources of supply: San Lorenzo River diversions (including the Tait wells); North Coast spring and creeks; Loch Lomond Reservoir; and the Beltz wells. Over the past decade, the North Coast sources represented 26 percent of the total water supply, the San Lorenzo River represented 55 percent, Newell Creek (Loch Lomond Reservoir) represented 14 percent, and Beltz wells contributed the remaining 5 percent (SOURCE V.2c).

The City's adopted 2020 Urban Water Management Plan (UWMP) indicates that annual water use has decreased since the early 2000s, but annual water use fell to a level of about 2.5 billion gallons, similar to the level experienced during the 1970s drought. However, in 2020, demand was still at a similar level as 2015, about 2.6 billion gallons, despite several years above long-term average rainfall from 2016 and 2020. Current projections forecast that water use over the next 25 years, including projected population growth, will increase at a very slow rate to reach approximately 2.8 billion gallons per year by 2045 (SOURCE V.2c).

With implementation of the City's proposed water rights modifications and water supply augmentation strategies as summarized below, the City projects having sufficient water available in normal years and single dry years to serve anticipated demand throughout the 2020-2045 UWMP planning period. However, the City's 2020 UWMP predicts that under multi-year drought conditions in the near term (2025) with proposed water rights modifications but before implementation of the planned aquifer storage and recovery (ASR) facilities and planned infrastructure projects, available supplies would meet projected demand in years one through four of the multi-year drought scenario0, but would fall short of demand by 27 percent in year five, although such a shortage could occur sooner and persist longer through a multiple dry year period. Under multi-year drought conditions after 2030, with implementation of the ASR and planned infrastructure projects, available supplies would meet projected demand in years one through four of the multi-year drought scenario, and the year-five shortage is anticipated to be substantially reduced with projected shortages no larger than a negligible two percent or five percent with consideration of climate change parameters in dry years (SOURCE V.2c).

Impact Analysis. The proposed project would result in a net increase in water demand over existing demand due to increased residential units, which may be result in a *potentially significant impact* on the City's water supplies. Therefore, project water demand and potential impacts on the City's water supplies will be evaluated in an EIR.

(c) Wastewater Treatment Capacity. The project would be served by existing utilities, and the General Plan 2030 EIR concluded that the City's wastewater treatment facility would be adequate to handle growth and development accommodated by the General Plan and would not require expansion or construction of facilities to serve future growth. As indicated in section III.B above, the City's General Plan EIR considered development of approximately 3,350 residential units and 3,140,000 square feet of commercial, office, and industrial development within the City to the year 2030 (SOURCE V.1b, DEIR volume). (The General Plan EIR analyses are included on pages 4.6-41 to 4.6-43 of the Draft EIR volume.)

Impact Analysis. The proposed project would result in an incremental increase in wastewater flows. The proposed project would slightly exceed the total amount of potential residential development analyzed in the General Plan 2030 EIR in combination with other constructed and approved developed, resulting in approximately 75 more residential units than analyzed in the EIR. However, this level of development would not be considered substantial in that the City's existing remaining wastewater treatment capacity available to the City's serve area is approximately 4.0 million gallons per day, which is more than adequate to serve the project. The project would result in a net decrease in commercial space of approximately 18,000 sf. Thus, increased wastewater generated by the project would result in a *less-than-significant impact* on wastewater treatment capacity.

(d-e) Solid Waste Disposal. The General Plan 2030 EIR concluded that the City's landfill would be adequate to handle growth and development accommodated by the General Plan and would not require expansion or construction of facilities to serve future growth. As indicated in section III.B above, the City's General Plan EIR considered development of approximately 3,350 residential units and 3,140,000 square feet of commercial, office, and industrial development within the City to the year 2030 (SOURCE V.1b, DEIR volume). The EIR analyses concluded that impacts of potential development and buildout accommodated by the General Plan would be less than significant for solid waste disposal.

Impact Analysis. The proposed project would result in increased generation of solid waste. The proposed project would slightly exceed the total amount of potential development analyzed in the General Plan 2030 EIR in combination with other constructed and approved developed, resulting in approximately 75 more residential units than analyzed in the EIR. However, this level of development would not be considered substantial as it would be offset by the remaining development potential for commercial, industrial, and office development, which to date has totaled approximately half what was evaluated in the General Plan 2030 EIR. However, this impact will be further reviewed in an EIR.

20. Wildfire

(a) Emergency and Evacuation Plans. Existing and proposed access to the project site is from Ocean Street and May Avenue. The project includes four new driveways but would not include any changes to existing public roadways that provide emergency access to the site. Therefore, the project would not substantially impair an adopted emergency response or evacuation plan and would result in *no impact*.

(b, d) Exacerbate Wildfire Impacts. The project site is not located in or near a state responsibility area nor a high fire hazard area as identified in the City's *General Plan 2030* (SOURCE V.1b-DEIR Figure 4.6-1). The project site is located in a developed urban area and would not significantly increase exposure to wildland fire hazards or exacerbate wildfire risks as the site is not located adjacent to or in proximity to a wildfire hazard area. Therefore, the project would result in *no impact*.

(c) Installation of Infrastructure. Infrastructure includes 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. The project would not require installation of infrastructure that would exacerbate fire risks. Utility connections to the project site would be underground within an existing developed urban area. Therefore, the project would not expose people or structures to a significant risk related to wildfires, and there would be *no impact*. See also section VI.9(g) above.

21. Mandatory Findings of Significance

(a) Quality of the Environment. As indicated in this Initial Study, potential cultural resources impacts will be further reviewed in an EIR. The project would have a no significant effect on biological resources, and would not degrade the quality of the environmental or otherwise substantially adversely affect fish and wildlife habitats or threaten to eliminate a plant or animal community, and there would be *no impact* related to these biological resources.

(b) Cumulative Impacts. Cumulative impacts related to development accommodated by the City's General Plan were found to be less than significant in the General Plan 2030 EIR, except for potential significant cumulative impacts related to traffic, water supply, population, and noise. These and other potentially significant cumulative impacts will be further reviewed in an EIR.

(c) Substantial Adverse Effects on Human Beings. As indicated in this Initial Study, potential exposure of sensitive receptors to pollutant emissions and potential hazardous materials releases will be further reviewed in an EIR. No other environmental effects have been identified that would have direct or indirect adverse effects on human beings.

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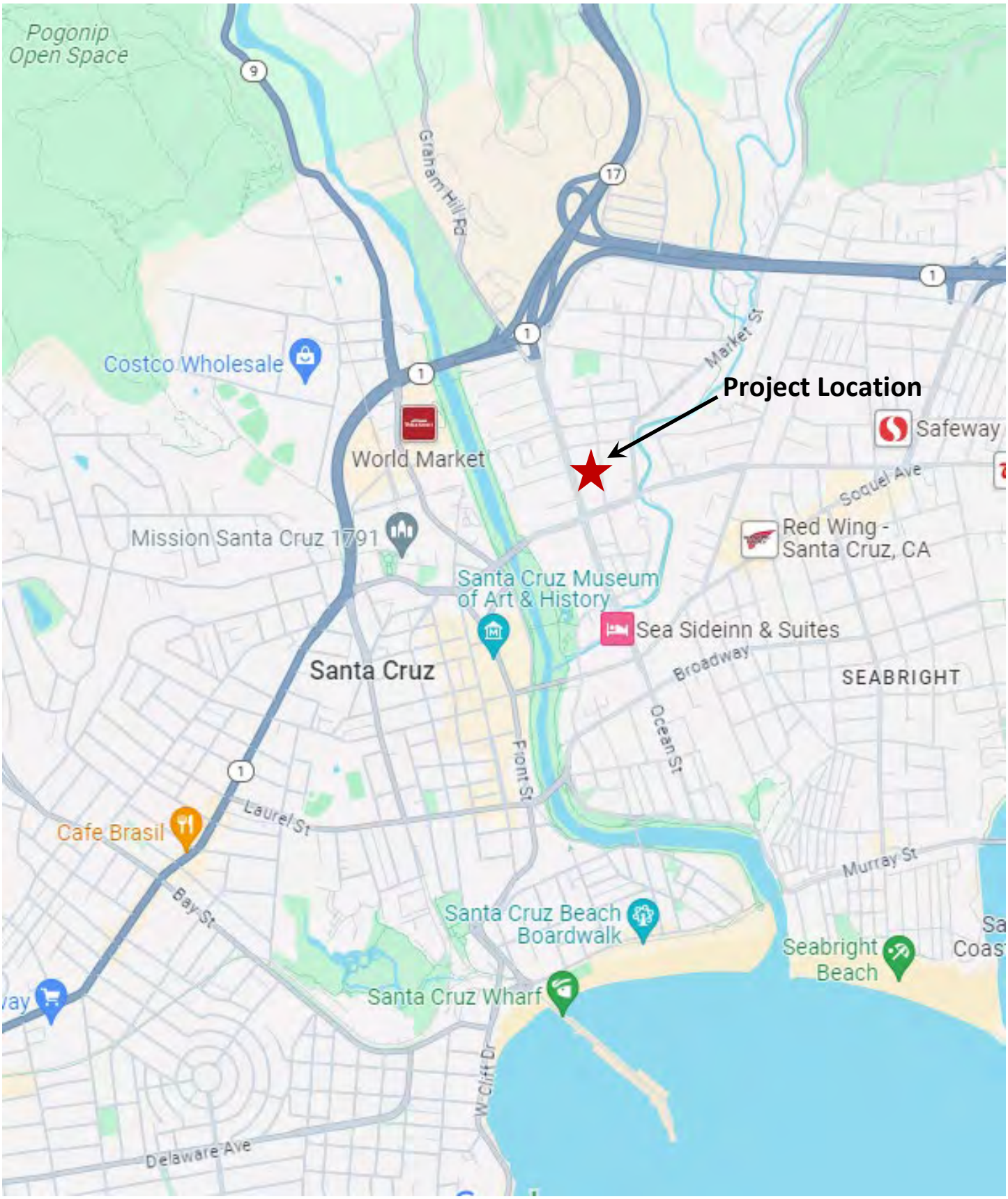


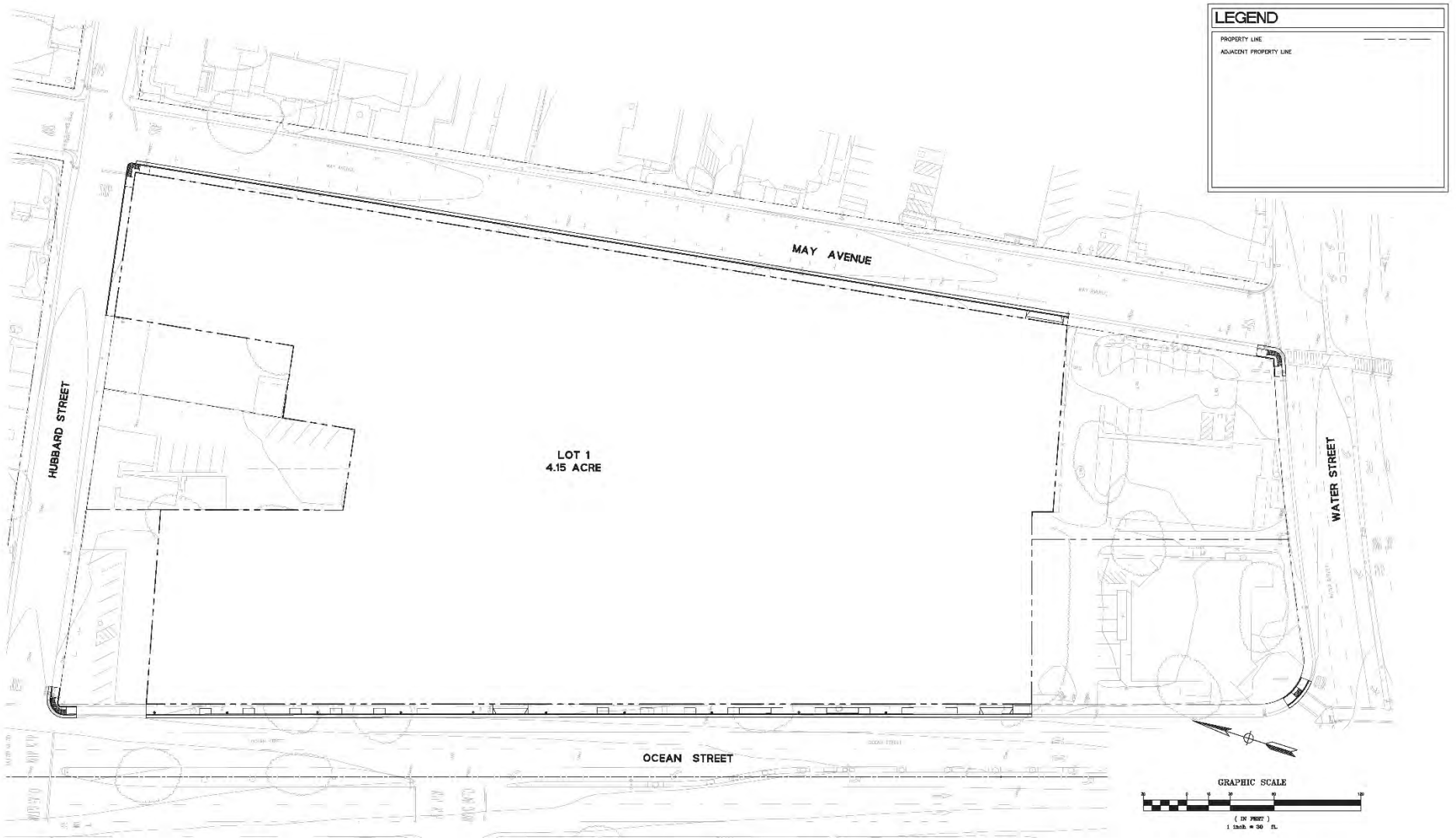
Source: Kimley-Horn, 2024

Figure 1 Project Location

908 Ocean Street
Initial Study

Kimley»Horn

Not to scale

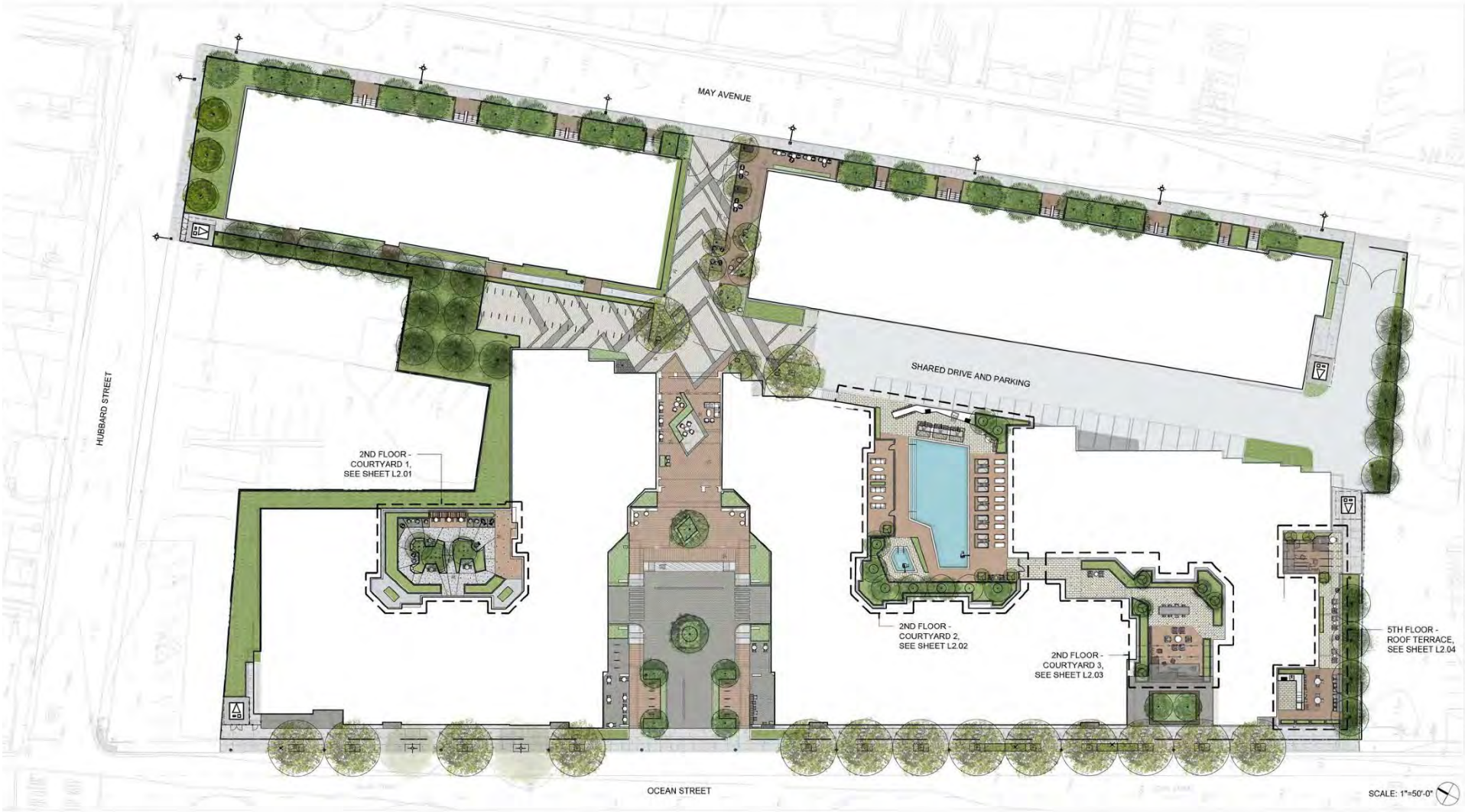


Source: BKF Engineers and High Street Residential 2024

Figure 2 Vesting Tentative Parcel Map

908 Ocean Street

Initial Study



Source: BDE Archiects and High Street Residential 2024

Kimley»Horn

Not to scale

Figure 3 Composite Site Plan

908 Ocean Street

Initial Study



PERSPECTIVE - EAST ON OCEAN 4



PERSPECTIVE - WEST ON OCEAN 2



PERSPECTIVE - PASEO LOOKING INTO LOGGIA 3



PERSPECTIVE - OCEAN FROM BLAINE STREET 1

Source: BDE Archiects and High Street Residential 2024

Kimley»Horn

Figure 4 Project Perspectives from Ocean Street

908 Ocean Street

Initial Study



PERSPECTIVE - BLDG B - EAST ON MAY 2



PERSPECTIVE - BLDG C - HUBBARD & MAY 3



PERSPECTIVE - MIDBLOCK ON MAY AVE 1

Source: BDE Archiects and High Street Residential 2024

Kimley»Horn

Figure 5 Project Perspectives from May Avenue

908 Ocean Street

Initial Study

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May 14, 2024

Brittany Whitehill
City of Santa Cruz
809 Center Street
Room 101
Santa Cruz CA 95060

Re: 2024050531, 908 Ocean Street Mixed-Use Development Project, Santa Cruz County

Dear Ms. Whitehill:

The Native American Heritage Commission (NAHC) has received the Notice of Preparation (NOP), Draft Environmental Impact Report (DEIR) or Early Consultation for the project referenced above. The California Environmental Quality Act (CEQA) (Pub. Resources Code §21000 et seq.), specifically Public Resources Code §21084.1, states that a project that may cause a substantial adverse change in the significance of a historical resource, is a project that may have a significant effect on the environment. (Pub. Resources Code § 21084.1; Cal. Code Regs., tit.14, §15064.5 (b) (CEQA Guidelines §15064.5 (b)). If there is substantial evidence, in light of the whole record before a lead agency, that a project may have a significant effect on the environment, an Environmental Impact Report (EIR) shall be prepared. (Pub. Resources Code §21080 (d); Cal. Code Regs., tit. 14, § 5064 subd.(a)(1) (CEQA Guidelines §15064 (a)(1)). In order to determine whether a project will cause a substantial adverse change in the significance of a historical resource, a lead agency will need to determine whether there are historical resources within the area of potential effect (APE).

CEQA was amended significantly in 2014. Assembly Bill 52 (Gatto, Chapter 532, Statutes of 2014) (AB 52) amended CEQA to create a separate category of cultural resources, "tribal cultural resources" (Pub. Resources Code §21074) and provides that a project with an effect that may cause a substantial adverse change in the significance of a tribal cultural resource is a project that may have a significant effect on the environment. (Pub. Resources Code §21084.2). Public agencies shall, when feasible, avoid damaging effects to any tribal cultural resource. (Pub. Resources Code §21084.3 (a)). AB 52 applies to any project for which a notice of preparation, a notice of negative declaration, or a mitigated negative declaration is filed on or after July 1, 2015. If your project involves the adoption of or amendment to a general plan or a specific plan, or the designation or proposed designation of open space, on or after March 1, 2005, it may also be subject to Senate Bill 18 (Burton, Chapter 905, Statutes of 2004) (SB 18). Both SB 18 and AB 52 have tribal consultation requirements. If your project is also subject to the federal National Environmental Policy Act (42 U.S.C. § 4321 et seq.) (NEPA), the tribal consultation requirements of Section 106 of the National Historic Preservation Act of 1966 (154 U.S.C. 300101, 36 C.F.R. §800 et seq.) may also apply.

The NAHC recommends consultation with California Native American tribes that are traditionally and culturally affiliated with the geographic area of your proposed project as early as possible in order to avoid inadvertent discoveries of Native American human remains and best protect tribal cultural resources. Below is a brief summary of portions of AB 52 and SB 18 as well as the NAHC's recommendations for conducting cultural resources assessments.

Consult your legal counsel about compliance with AB 52 and SB 18 as well as compliance with any other applicable laws.

AB 52

AB 52 has added to CEQA the additional requirements listed below, along with many other requirements:

1. Fourteen Day Period to Provide Notice of Completion of an Application/Decision to Undertake a Project: Within fourteen (14) days of determining that an application for a project is complete or of a decision by a public agency to undertake a project, a lead agency shall provide formal notification to a designated contact of, or tribal representative of, traditionally and culturally affiliated California Native American tribes that have requested notice, to be accomplished by at least one written notice that includes:

a. A brief description of the project.

b. The lead agency contact information.

c. Notification that the California Native American tribe has 30 days to request consultation. (Pub. Resources Code §21080.3.1 (d)).

d. A "California Native American tribe" is defined as a Native American tribe located in California that is on the contact list maintained by the NAHC for the purposes of Chapter 905 of Statutes of 2004 (SB 18). (Pub. Resources Code §21073).

2. Begin Consultation Within 30 Days of Receiving a Tribe's Request for Consultation and Before Releasing a Negative Declaration, Mitigated Negative Declaration, or Environmental Impact Report: A lead agency shall begin the consultation process within 30 days of receiving a request for consultation from a California Native American tribe that is traditionally and culturally affiliated with the geographic area of the proposed project. (Pub. Resources Code §21080.3.1, subds. (d) and (e)) and prior to the release of a negative declaration, mitigated negative declaration or Environmental Impact Report. (Pub. Resources Code §21080.3.1(b)).

a. For purposes of AB 52, "consultation shall have the same meaning as provided in Gov. Code §65352.4 (SB 18). (Pub. Resources Code §21080.3.1 (b)).

3. Mandatory Topics of Consultation If Requested by a Tribe: The following topics of consultation, if a tribe requests to discuss them, are mandatory topics of consultation:

a. Alternatives to the project.

b. Recommended mitigation measures.

c. Significant effects. (Pub. Resources Code §21080.3.2 (a)).

4. Discretionary Topics of Consultation: The following topics are discretionary topics of consultation:

a. Type of environmental review necessary.

b. Significance of the tribal cultural resources.

c. Significance of the project's impacts on tribal cultural resources.

d. If necessary, project alternatives or appropriate measures for preservation or mitigation that the tribe may recommend to the lead agency. (Pub. Resources Code §21080.3.2 (a)).

5. Confidentiality of Information Submitted by a Tribe During the Environmental Review Process: With some exceptions, any information, including but not limited to, the location, description, and use of tribal cultural resources submitted by a California Native American tribe during the environmental review process shall not be included in the environmental document or otherwise disclosed by the lead agency or any other public agency to the public, consistent with Government Code §6254 (r) and §6254.10. Any information submitted by a California Native American tribe during the consultation or environmental review process shall be published in a confidential appendix to the environmental document unless the tribe that provided the information consents, in writing, to the disclosure of some or all of the information to the public. (Pub. Resources Code §21082.3 (c)(1)).

6. Discussion of Impacts to Tribal Cultural Resources in the Environmental Document: If a project may have a significant impact on a tribal cultural resource, the lead agency's environmental document shall discuss both of the following:

a. Whether the proposed project has a significant impact on an identified tribal cultural resource.

b. Whether feasible alternatives or mitigation measures, including those measures that may be agreed to pursuant to Public Resources Code §21082.3, subdivision (a), avoid or substantially lessen the impact on the identified tribal cultural resource. (Pub. Resources Code §21082.3 (b)).

7. Conclusion of Consultation: Consultation with a tribe shall be considered concluded when either of the following occurs:

a. The parties agree to measures to mitigate or avoid a significant effect, if a significant effect exists, on a tribal cultural resource; or

b. A party, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached. (Pub. Resources Code §21080.3.2 (b)).

8. Recommending Mitigation Measures Agreed Upon in Consultation in the Environmental Document: Any mitigation measures agreed upon in the consultation conducted pursuant to Public Resources Code §21080.3.2 shall be recommended for inclusion in the environmental document and in an adopted mitigation monitoring and reporting program, if determined to avoid or lessen the impact pursuant to Public Resources Code §21082.3, subdivision (b), paragraph 2, and shall be fully enforceable. (Pub. Resources Code §21082.3 (a)).

9. Required Consideration of Feasible Mitigation: If mitigation measures recommended by the staff of the lead agency as a result of the consultation process are not included in the environmental document or if there are no agreed upon mitigation measures at the conclusion of consultation, or if consultation does not occur, and if substantial evidence demonstrates that a project will cause a significant effect to a tribal cultural resource, the lead agency shall consider feasible mitigation pursuant to Public Resources Code §21084.3 (b). (Pub. Resources Code §21082.3 (e)).

10. Examples of Mitigation Measures That, If Feasible, May Be Considered to Avoid or Minimize Significant Adverse Impacts to Tribal Cultural Resources:

a. Avoidance and preservation of the resources in place, including, but not limited to:

i. Planning and construction to avoid the resources and protect the cultural and natural context.

ii. Planning greenspace, parks, or other open space, to incorporate the resources with culturally appropriate protection and management criteria.

b. Treating the resource with culturally appropriate dignity, taking into account the tribal cultural values and meaning of the resource, including, but not limited to, the following:

i. Protecting the cultural character and integrity of the resource.

ii. Protecting the traditional use of the resource.

iii. Protecting the confidentiality of the resource.

c. Permanent conservation easements or other interests in real property, with culturally appropriate management criteria for the purposes of preserving or utilizing the resources or places.

d. Protecting the resource. (Pub. Resource Code §21084.3 (b)).

e. Please note that a federally recognized California Native American tribe or a non-federally recognized California Native American tribe that is on the contact list maintained by the NAHC to protect a California prehistoric, archaeological, cultural, spiritual, or ceremonial place may acquire and hold conservation easements if the conservation easement is voluntarily conveyed. (Civ. Code §815.3 (c)).

f. Please note that it is the policy of the state that Native American remains and associated grave artifacts shall be repatriated. (Pub. Resources Code §5097.991).

11. Prerequisites for Certifying an Environmental Impact Report or Adopting a Mitigated Negative Declaration or Negative Declaration with a Significant Impact on an Identified Tribal Cultural Resource: An Environmental Impact Report may not be certified, nor may a mitigated negative declaration or a negative declaration be adopted unless one of the following occurs:

a. The consultation process between the tribes and the lead agency has occurred as provided in Public Resources Code §21080.3.1 and §21080.3.2 and concluded pursuant to Public Resources Code §21080.3.2.

b. The tribe that requested consultation failed to provide comments to the lead agency or otherwise failed to engage in the consultation process.

c. The lead agency provided notice of the project to the tribe in compliance with Public Resources Code §21080.3.1 (d) and the tribe failed to request consultation within 30 days. (Pub. Resources Code §21082.3 (d)).

The NAHC's PowerPoint presentation titled, "Tribal Consultation Under AB 52: Requirements and Best Practices" may be found online at: http://nahc.ca.gov/wp-content/uploads/2015/10/AB52TribalConsultation_CalEPAPDF.pdf

SB 18

SB 18 applies to local governments and requires local governments to contact, provide notice to, refer plans to, and consult with tribes prior to the adoption or amendment of a general plan or a specific plan, or the designation of open space. (Gov. Code §65352.3). Local governments should consult the Governor's Office of Planning and Research's "Tribal Consultation Guidelines," which can be found online at: https://www.opr.ca.gov/docs/09_14_05_Updated_Guidelines_922.pdf.

Some of SB 18's provisions include:

1. Tribal Consultation: If a local government considers a proposal to adopt or amend a general plan or a specific plan, or to designate open space it is required to contact the appropriate tribes identified by the NAHC by requesting a "Tribal Consultation List." If a tribe, once contacted, requests consultation the local government must consult with the tribe on the plan proposal. A tribe has 90 days from the date of receipt of notification to request consultation unless a shorter timeframe has been agreed to by the tribe. (Gov. Code §65352.3 (a)(2)).
2. No Statutory Time Limit on SB 18 Tribal Consultation. There is no statutory time limit on SB 18 tribal consultation.
3. Confidentiality: Consistent with the guidelines developed and adopted by the Office of Planning and Research pursuant to Gov. Code §65040.2, the city or county shall protect the confidentiality of the information concerning the specific identity, location, character, and use of places, features and objects described in Public Resources Code §5097.9 and §5097.993 that are within the city's or county's jurisdiction. (Gov. Code §65352.3 (b)).
4. Conclusion of SB 18 Tribal Consultation: Consultation should be concluded at the point in which:
    a. The parties to the consultation come to a mutual agreement concerning the appropriate measures for preservation or mitigation; or
    b. Either the local government or the tribe, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached concerning the appropriate measures of preservation or mitigation. (Tribal Consultation Guidelines, Governor's Office of Planning and Research (2005) at p. 18).

Agencies should be aware that neither AB 52 nor SB 18 precludes agencies from initiating tribal consultation with tribes that are traditionally and culturally affiliated with their jurisdictions before the timeframes provided in AB 52 and SB 18. For that reason, we urge you to continue to request Native American Tribal Contact Lists and "Sacred Lands File" searches from the NAHC. The request forms can be found online at: http://nahc.ca.gov/resources/forms/.

NAHC Recommendations for Cultural Resources Assessments

To adequately assess the existence and significance of tribal cultural resources and plan for avoidance, preservation in place, or barring both, mitigation of project-related impacts to tribal cultural resources, the NAHC recommends the following actions:

1. Contact the appropriate regional California Historical Research Information System (CHRIS) Center (https://ohp.parks.ca.gov/?page_id=30331) for an archaeological records search. The records search will determine:
    a. If part or all of the APE has been previously surveyed for cultural resources.
    b. If any known cultural resources have already been recorded on or adjacent to the APE.
    c. If the probability is low, moderate, or high that cultural resources are located in the APE.
    d. If a survey is required to determine whether previously unrecorded cultural resources are present.

2. If an archaeological inventory survey is required, the final stage is the preparation of a professional report detailing the findings and recommendations of the records search and field survey.
    a. The final report containing site forms, site significance, and mitigation measures should be submitted immediately to the planning department. All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum and not be made available for public disclosure.

b. The final written report should be submitted within 3 months after work has been completed to the appropriate regional CHRIS center.

3. Contact the NAHC for:

a. A Sacred Lands File search. Remember that tribes do not always record their sacred sites in the Sacred Lands File, nor are they required to do so. A Sacred Lands File search is not a substitute for consultation with tribes that are traditionally and culturally affiliated with the geographic area of the project's APE.

b. A Native American Tribal Consultation List of appropriate tribes for consultation concerning the project site and to assist in planning for avoidance, preservation in place, or, failing both, mitigation measures.

4. Remember that the lack of surface evidence of archaeological resources (including tribal cultural resources) does not preclude their subsurface existence.

a. Lead agencies should include in their mitigation and monitoring reporting program plan provisions for the identification and evaluation of inadvertently discovered archaeological resources per Cal. Code Regs., tit. 14, §15064.5(f) (CEQA Guidelines §15064.5(f)). In areas of identified archaeological sensitivity, a certified archaeologist and a culturally affiliated Native American with knowledge of cultural resources should monitor all ground-disturbing activities.

b. Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the disposition of recovered cultural items that are not burial associated in consultation with culturally affiliated Native Americans.

c. Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the treatment and disposition of inadvertently discovered Native American human remains. Health and Safety Code §7050.5, Public Resources Code §5097.98, and Cal. Code Regs., tit. 14, §15064.5, subdivisions (d) and (e) (CEQA Guidelines §15064.5, subds. (d) and (e)) address the processes to be followed in the event of an inadvertent discovery of any Native American human remains and associated grave goods in a location other than a dedicated cemetery.

If you have any questions or need additional information, please contact me at my email address: Cody.Campagne@NAHC.ca.gov.

Sincerely,

Cody Campagne

Cody Campange
Cultural Resources Analyst

cc: State Clearinghouse

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State of California – Natural Resources Agency
DEPARTMENT OF FISH AND WILDLIFE
Bay Delta Region
2825 Cordelia Road, Suite 100
Fairfield, CA 94534
(707) 428-2002
www.wildlife.ca.gov

GAVIN NEWSOM, Governor
CHARLTON H. BONHAM, Director

May 28, 2024

Eric Marlatt, Assistant Director of Planning and Community Development
City of Santa Cruz
809 Center Street, Room 101
Santa Cruz, CA 95060
EMarlatt@santacruzca.gov

Subject: 908 Ocean Street Mixed Use Development, Notice of Preparation of a Draft Environmental Impact Report, SCH No. 2024050531, City and County of Santa Cruz

Dear Mr. Marlatt:

The California Department of Fish and Wildlife (CDFW) has reviewed the City of Santa Cruz (City) Notice of Preparation (NOP) of a draft Environmental Impact Report (EIR) for the 908 Ocean Street Mixed Use Development project (Project) pursuant the California Environmental Quality Act (CEQA) and CEQA Guidelines.[1]

Thank you for the opportunity to provide comments and recommendations regarding those activities involved in the Project that may affect fish and wildlife resources of the State. Please be advised, by law, CDFW may be required to carry out or approve through the exercise of its own regulatory authority under the Fish and Game Code.

CDFW is providing the City, as the Lead Agency, with specific detail about the scope and content of the environmental information related to CDFW's area of statutory responsibility that must be included in the EIR (See: Cal. Code Regs., tit. 14, § 15082, subd. (b).).

CDFW ROLE

CDFW is California's **Trustee Agency** for fish and wildlife resources and holds those resources in trust by statute for all the people of the State. (Fish & G. Code, §§ 711.7, subd. (a) & 1802; Pub. Resources Code, § 21070; CEQA Guidelines § 15386, subd. (a)). CDFW, in its trustee capacity, has jurisdiction over the conservation, protection, and management of fish, wildlife, native plants, and habitat necessary for biologically sustainable populations of those species. (*Id.*, § 1802). For purposes of CEQA, CDFW is charged by law to provide, as available, biological expertise during public agency

[1] CEQA is codified in the California Public Resources Code in section 21000 et seq. The "CEQA Guidelines" are found in Title 14 of the California Code of Regulations, commencing with section 15000.

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environmental review efforts, focusing specifically on projects and related activities that have the potential to adversely affect fish and wildlife resources.

CDFW is also submitting comments as a **Responsible Agency** under CEQA. (Pub. Resources Code, § 21069; CEQA Guidelines, § 15381). CDFW expects that it may need to exercise regulatory authority over the Project pursuant to the Fish and Game Code. For example, the Project may be subject to CDFW's Lake and Streambed Alteration (LSA) regulatory authority, if the Project impacts the bed, channel or bank of any river, stream or lake within the state (Fish & G. Code, § 1600 et seq.). Likewise, to the extent the Project may result in "take" as defined by state law of any species protected under the California Endangered Species Act (CESA) (Fish & G. Code, § 2050 et seq.), the Project proponent may seek related take authorization as provided by the Fish and Game Code.

REGULATORY REQUIREMENTS

California Endangered Species Act

A CESA Incidental Take Permit (ITP) must be obtained from CDFW if the Project has the potential to result in "take" of plants or animals listed under CESA, either during construction or over the life of the Project. Under CESA, "take" means "hunt, pursue, catch, capture, or kill, or attempt to hunt, pursue, catch, capture, or kill." (Fish & G. Code, § 86.) CDFW's issuance of an ITP is subject to CEQA and to facilitate permit issuance, any Project modifications and mitigation measures must be incorporated into the CEQA document analysis, discussion, and mitigation monitoring and reporting program. If the Project will impact CESA listed species, early consultation is encouraged, as significant modification to the Project and mitigation measures may be required in order to obtain a CESA Permit.

CEQA requires a mandatory finding of significance if a project is likely to substantially impact threatened or endangered species. Pub. Resources Code, §§ 21001, subd. (c) & 21083; CEQA Guidelines, §§ 15380, 15064 & 15065.) In addition, pursuant to CEQA, the Lead Agency cannot approve a project unless all impacts to the environment are avoided or mitigated to less-than-significant levels, or the Lead Agency makes and supports Findings of Overriding Consideration (FOC) for impacts that remain significant despite the implementation of all feasible mitigation. Findings of consideration under CEQA, however, do not eliminate the Project proponent's obligation to comply with the Fish and Game Code.

Migratory Birds and Raptors

CDFW has authority over actions that may result in the disturbance or destruction of active bird nest sites or the unauthorized take of birds. Fish and Game Code sections protecting birds, their eggs, and nests include section 3503 (regarding unlawful take, possession, or needless destruction of the nests or eggs of any bird), section 3503.5

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(regarding the take, possession, or destruction of any birds-of-prey or their nests or eggs), and section 3513 (regarding unlawful take of any migratory nongame bird). Migratory birds are also protected under the federal Migratory Bird Treaty Act.

PROJECT DESCRIPTION AND LOCATION SUMMARY

Proponent: High Street Residential

Objective: The objective of the Project is to remove trees and demolish existing commercial and residential buildings on an existing 14.5-acre parcel to construct a mixed-use development with 389 residential units and 9,570 square feet (sq ft) of commercial space. Primary Project activities include tree removal, demolition, grading, and earthwork.

Location: 908 Ocean Street (APNs: 008-331-03, -04, -05, -06, -07, -08, -12, -13, -14, -15, -25, -26, -27, -28, -29, -30, -31, -32, -35, -41, -45) in the City and County of Santa Cruz, California. Cross Streets: Ocean Street and Water Street. CPS Latitude and Longitude coordinates: 36.980772, -122.021311.

Timeframe: Fall 2025 to March 2028

The CEQA Guidelines (§§15124 & 15378) require that the draft EIR incorporate a full Project description, including reasonably foreseeable future phases of the Project, and that contains sufficient information to evaluate and review the Project's environmental impact. Please include a complete description of the following Project components in the Project description including, but not limited to, the below information.

- Land use changes resulting from, for example, rezoning certain areas.
- Footprints of permanent Project features and temporarily impacted areas, such as staging areas and access routes.
- Area and plans for any proposed buildings/structures, ground-disturbing activities, fencing, paving, stationary machinery, landscaping, and stormwater systems.
- Operational features of the Project, including level of anticipated human presence (describe seasonal or daily peaks in activity, if relevant), artificial lighting/light reflection, noise, traffic generation, and other features.
- Construction schedule, activities, equipment, and crew sizes.

ENVIRONMENTAL SETTING

Sufficient information regarding the environmental setting is necessary to understand any potentially significant impacts on the environment of the proposed Project and any

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alternatives identified in the draft EIR (CEQA Guidelines, §§15125 & 15360). CDFW recommends the draft EIR provide baseline habitat assessments for special-status plant, fish and wildlife species located and potentially located within the Project area and surrounding lands, including all rare, threatened, and endangered species (CEQA Guidelines, §15380). The draft EIR should describe aquatic habitats, such as wetlands or waters of the U.S. or State, and any sensitive natural communities or riparian habitat occurring on or adjacent to the Project site (for sensitive natural communities see:https://wildlife.ca.gov/Data/VegCAMP/NaturalCommunities#sensitive%20natural%20communities), and any stream or wetland set back distances the City may require. Fully protected, threatened or endangered, candidate, and other special-status species or sensitive natural communities that are known to occur, or have the potential to occur in or near the Project site, include, but are not limited to: the species listed in Attachment A.

Habitat descriptions and species profiles included in the draft EIR should include robust information from multiple sources: aerial imagery; historical and recent survey data; field reconnaissance; scientific literature and reports; U.S. Fish and Wildlife Service's (USFWS) Information, Planning, and Consultation System; California Aquatic Resources Inventory; and findings from "positive occurrence" databases such as California Natural Diversity Database (CNDDB). Only with sufficient data and information can the City adequately assess which special-status species are likely to occur in the Project vicinity.

CDFW recommends surveys be conducted for special-status species with potential to occur, following recommended survey protocols if available. Survey and monitoring protocols and guidelines are available at: https://www.wildlife.ca.gov/Conservation/Survey-Protocol.

Botanical surveys for special-status plant species, including those listed by the California Native Plant Society (http://www.cnps.org/cnps/rareplants/inventory/), should also be conducted during the blooming period for all sensitive plant species potentially occurring within the Project area and include the identification of reference populations. Please refer to CDFW protocols for surveying and evaluating impacts to rare plants available at: https://www.wildlife.ca.gov/Conservation/Plants.

IMPACT ANALYSIS AND MITIGATION MEASURES

The CEQA Guidelines (§15126.2) necessitate the draft EIR discuss all direct and indirect impacts (temporary and permanent) that may occur with implementation of the Project. This includes evaluating and describing impacts such as:

- Land use changes that would reduce open space or agricultural land uses and increase residential or other land use involving increased development;

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- Potential for impacts to special-status species;
- Loss or modification of breeding, nesting, dispersal and foraging habitat, including vegetation removal, alternation of soils and hydrology, and removal of habitat structural features (e.g., snags, roosts, overhanging banks);
- Permanent and temporary habitat disturbances associated with ground disturbance, noise, lighting, reflection, air pollution, traffic or human presence;
- Obstruction of movement corridors, fish passage, or access to water sources and other core habitat features; and
- Impacts both from construction and operation of the Project.

The CEQA document also should identify existing and reasonably foreseeable future projects in the Project vicinity, disclose any cumulative impacts associated with these projects, determine the significance of each cumulative impact, and assess the significance of the Project's contribution to each impact (CEQA Guidelines, §15355). Although a project's impacts may be insignificant individually, its contributions to a cumulative impact may be considerable; a contribution to a significant cumulative impact (e.g., reduction of available habitat for a listed species) should be considered cumulatively considerable without mitigation to minimize or avoid the impact.

The CEQA Guidelines direct the City, as the Lead Agency, to consider and describe in the draft EIR all feasible mitigation measures to avoid and/or mitigate potentially significant impacts of the Project on the environment based on comprehensive analysis of the potential direct, indirect, and cumulative impacts of the Project. (CEQA Guidelines, §§ 15021, 15063, 15071, 15126.2, 15126.4 & 15370.) This should include a discussion of take avoidance and minimization measures for special-status species, which are recommended to be developed in early consultation with the USFWS, the National Marine Fisheries Service and CDFW. These measures can then be incorporated as enforceable Project conditions to reduce potential impacts to biological resources to less-than-significant levels.

Fully protected species, such as white-tailed kite (*Elanus leucurus*), California black rail (*Laterallus jamaicensis coturniculus*), may not be taken or possessed at any time except in limited circumstances (Fish & G. Code, §§ 3511, 4700, 5050, & 5515). Therefore, the draft EIR should include measures to completely avoid take of fully protected species.

ENVIRONMENTAL DATA

CEQA requires that information developed in environmental impact reports and negative declarations be incorporated into a database which may be used to prepare subsequent CEQA documents or to make supplemental environmental determinations.

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(Pub. Resources Code, § 21003, subd. (d) & (e)). Accordingly, please report any special-status species and natural communities detected during Project surveys to the CNDDB. The CNDDB field survey form can be filled out and submitted online here: https://wildlife.ca.gov/Data/CNDDB/Submitting-Data. The types of information reported to CNDDB can be found here: https://www.wildlife.ca.gov/Data/CNDDB/Plants-and-Animals.

ENVIRONMENTAL DOCUMENT FILING FEES

CDFW anticipates that the proposed Project will have an impact on fish and/or wildlife, and assessment of environmental document filing fees is necessary. Fees are payable upon filing of the Notice of Determination by the Lead Agency and serve to help defray the cost of environmental review by CDFW. Payment of the environmental document filing fee is required in order for the underlying project approval to be operative, vested, and final. (See: Cal. Code Regs, tit. 14, § 753.5; Fish & G. Code, § 711.4; Pub. Resources Code, § 21089.).

CONCLUSION

CDFW appreciates the opportunity to comment on the NOP in order to assist the City in identifying and mitigating Project impacts on biological resources.

Questions regarding this letter or further coordination should be directed to Emily Galli, Environmental Scientist at Emily.Galli@wildlife.ca.gov or Wesley Stokes, Senior Environmental Scientist (Supervisory) at Wesley.Stokes@wildlife.ca.gov.

Sincerely,

DocuSigned by:
Erin Chappell
B77E9A6211EF486...

Erin Chappell
Regional Manager
Bay Delta Region

Attachment A: 908 Ocean Street, Santa Cruz, CA – 9 Quad Search (California Natural Diversity Database, Accessed May 23, 2024)

ec: Office of Planning and Research, State Clearinghouse (SCH No. 2024050531)

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908 Ocean Street, Santa Cruz, CA – 9 Quad Search (California Natural Diversity Database, Accessed May 23, 2024)

Scientific Name	Common Name	Federal Status	State Status	CDFW Status	CA Rare Plant Rank
Ambystoma macrodactylum croceum	Santa Cruz long-toed salamander	Endangered	Endangered	FP	-
Dicamptodon ensatus	California giant salamander	None	None	SSC	-
Aneides niger	Santa Cruz black salamander	None	None	SSC	-
Rana boylii pop. 4	foothill yellow-legged frog - central coast DPS	Threatened	Endangered	-	-
Rana draytonii	California red-legged frog	Threatened	None	SSC	-
Neochthonius imperialis	Empire Cave pseudoscorpion	None	None	-	-
Meta dolloff	Dolloff Cave spider	None	None	-	-
Accipiter cooperii	Coopers hawk	None	None	WL	-
Accipiter striatus	sharp-shinned hawk	None	None	WL	-
Aquila chrysaetos	golden eagle	None	None	FP | WL	-
Circus hudsonius	northern harrier	None	None	SSC	-
Elanus leucurus	white-tailed kite	None	None	FP	-
Haliaeetus leucocephalus	bald eagle	Delisted	Endangered	FP	-
Brachyramphus marmoratus	marbled murrelet	Threatened	Endangered	-	-
Ptychoramphus aleuticus	Cassins auklet	None	None	SSC	-
Chaetura vauxi	Vauxs swift	None	None	SSC	-
Cypseloides niger	black swift	None	None	SSC	-
Ardea herodias	great blue heron	None	None	-	-
Gymnogyps californianus	California condor	Endangered	Endangered	FP	-
Charadrius montanus	mountain plover	None	None	SSC	-
Charadrius nivosus nivosus	western snowy plover	Threatened	None	SSC	-
Falco peregrinus anatum	American peregrine falcon	Delisted	Delisted	-	-
Spinus lawrencei	Lawrences goldfinch	None	None	-	-
Progne subis	purple martin	None	None	SSC	-
Riparia riparia	bank swallow	None	Threatened	-	-
Agelaius tricolor	tricolored blackbird	None	Threatened	SSC	-
Icteria virens	yellow-breasted chat	None	None	SSC	-
Lanius ludovicianus	loggerhead shrike	None	None	SSC	-

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908 Ocean Street, Santa Cruz, CA – 9 Quad Search (California Natural Diversity Database, Accessed May 23, 2024)

Pandion haliaetus	osprey	None	None	WL	-
Geothlypis trichas sinuosa	saltmarsh common yellowthroat	None	None	SSC	-
Setophaga petechia	yellow warbler	None	None	SSC	-
Passerculus sandwichensis alaudinus	Bryants savannah sparrow	None	None	SSC	-
Pelecanus occidentalis californicus	California brown pelican	Delisted	Delisted	-	-
Nannopterum auritum	double-crested cormorant	None	None	WL	-
Coturnicops noveboracensis	yellow rail	None	None	SSC	-
Laterallus jamaicensis coturniculus	California black rail	None	Threatened	FP	-
Athene cunicularia	burrowing owl	None	None	SSC	-
Contopus cooperi	olive-sided flycatcher	None	None	SSC	-
Empidonax traillii	willow flycatcher	None	Endangered	-	-
Calasellus californicus	An isopod	None	None	-	-
Linderiella occidentalis	California linderiella	None	None	-	-
Stygobromus imperialis	Empire Cave amphipod	None	None	-	-
Stygobromus mackenziei	Mackenzies Cave amphipod	None	None	-	-
Eucyclogobius newberryi	tidewater goby	Endangered	None	SSC	-
Thaleichthys pacificus	eulachon	Threatened	None	SSC	-
Entosphenus tridentatus	Pacific lamprey	None	None	SSC	-
Oncorhynchus gorbuscha	pink salmon	None	None	-	-
Oncorhynchus kisutch pop. 4	coho salmon - central California coast ESU	Endangered	Endangered	-	-
Oncorhynchus mykiss irideus pop. 8	steelhead - central California coast DPS	Threatened	None	SSC	-
Trimerotropis infantilis	Zayante band-winged grasshopper	Endangered	None	-	-
Adela oplerella	Oplers longhorn moth	None	None	-	-
Bombus caliginosus	obscure bumble bee	None	None	-	-
Bombus crotchii	Crotchs bumble bee	None	Candidate Endangered	-	-
Bombus occidentalis	western bumble bee	None	Candidate Endangered	-	-
Cicindela hirticollis gravida	sandy beach tiger beetle	None	None	-	-
Cicindela ohlone	Ohlone tiger beetle	Endangered	None	-	-

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Scaphinotus behrensi	Behrens snail-eating beetle	None	None	-	-
Euphilotes enoptes smithi	Smiths blue butterfly	Endangered	None	-	-
Lytta moesta	moestan blister beetle	None	None	-	-
Danaus plexippus plexippus pop. 1	monarch - California overwintering population	Candidate	None	-	-
Polyphylla barbata	Mount Hermon (=barbate) June beetle	Endangered	None	-	-
Philanthus nasalis	Antioch specid wasp	None	None	-	-
Coelus globosus	globose dune beetle	None	None	-	-
Neotoma fuscipes annectens	San Francisco dusky-footed woodrat	None	None	SSC	-
Dipodomys venustus venustus	Santa Cruz kangaroo rat	None	None	-	-
Enhydra lutris nereis	southern sea otter	Threatened	None	FP	-
Taxidea taxus	American badger	None	None	SSC	-
Sorex vagrans paludivagus	Monterey vagrant shrew	None	None	-	-
Antrozous pallidus	pallid bat	None	None	SSC	-
Corynorhinus townsendii	Townsends big-eared bat	None	None	SSC	-
Lasiurus cinereus	hoary bat	None	None	-	-
Lasiurus frantzii	western red bat	None	None	SSC	-
Myotis yumanensis	Yuma myotis	None	None	-	-
Haliotis cracherodii	black abalone	Endangered	None	-	-
Haliotis kamtschatkana	pinto abalone	None	None	-	-
Tryonia imitator	mimic tryonia (=California brackishwater snail)	None	None	-	-
Margaritifera falcata	western pearlshell	None	None	-	-
Emys marmorata	western pond turtle	Proposed Threatened	None	SSC	-
North Central Coast Drainage Sacramento Sucker/Roach River	North Central Coast Drainage Sacramento Sucker/Roach River	None	None	-	-
North Central Coast Short-Run Coho Stream	North Central Coast Short-Run Coho Stream	None	None	-	-
Maritime Coast Range Ponderosa Pine Forest	Maritime Coast Range Ponderosa Pine Forest	None	None	-	-
Monterey Pine Forest	Monterey Pine Forest	None	None	-	-

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908 Ocean Street, Santa Cruz, CA – 9 Quad Search (California Natural Diversity Database, Accessed May 23, 2024)

Northern Coastal Salt Marsh	Northern Coastal Salt Marsh	None	None	-	-	
Northern Interior Cypress Forest	Northern Interior Cypress Forest	None	None	-	-	
Northern Maritime Chaparral	Northern Maritime Chaparral	None	None	-	-	
Anomobryum julaceum	slender silver moss	None	None	-		4.2
Fissidens pauperculus	minute pocket moss	None	None	-	1B.2	
Dacryophyllum falcifolium	tear drop moss	None	None	-	1B.3	
Mielichhoferia elongata	elongate copper moss	None	None	-		4.3
Perideridia gairdneri ssp. gairdneri	California Gairdners yampah	None	None	-		4.2
Sanicula hoffmannii	Hoffmanns sanicle	None	None	-		4.3
Holocarpha macradenia	Santa Cruz tarplant	Threatened	Endangered	-	1B.1	
Lasthenia californica ssp. macrantha	perennial goldfields	None	None	-	1B.2	
Micropus amphibolus	Mt. Diablo cottonweed	None	None	-		3.2
Microseris paludosa	marsh microseris	None	None	-	1B.2	
Monolopia gracilens	woodland woollythreads	None	None	-	1B.2	
Pentachaeta bellidiflora	white-rayed pentachaeta	Endangered	Endangered	-	1B.1	
Senecio aphanactis	chaparral ragwort	None	None	-	2B.2	
Stebbinsoseris decipiens	Santa Cruz microseris	None	None	-	1B.2	
Azolla microphylla	Mexican mosquito fern	None	None	-		4.2
Amsinckia lunaris	bent-flowered fiddleneck	None	None	-	1B.2	
Plagiobothrys chorisianus var. chorisianus	Choris popcornflower	None	None	-	1B.2	
Plagiobothrys chorisianus var. hickmanii	Hickmans popcornflower	None	None	-		4.2
Plagiobothrys diffusus	San Francisco popcornflower	None	Endangered	-	1B.1	
Arabis blepharophylla	coast rockcress	None	None	-		4.3
Erysimum franciscanum	San Francisco wallflower	None	None	-		4.2
Erysimum teretifolium	Santa Cruz wallflower	Endangered	Endangered	-	1B.1	
Eastwoodiella californica	swamp harebell	None	None	-	1B.2	
Arenaria paludicola	marsh sandwort	Endangered	Endangered	-	1B.1	
Hesperocyparis abramsiana var. abramsiana	Santa Cruz cypress	Threatened	Endangered	-	1B.2	
Carex comosa	bristly sedge	None	None	-	2B.1	

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908 Ocean Street, Santa Cruz, CA – 9 Quad Search (California Natural Diversity Database, Accessed May 23, 2024)

Carex saliniformis	deceiving sedge	None	None	-	1B.2	
Arctostaphylos andersonii	Andersons manzanita	None	None	-	1B.2	
Arctostaphylos glutinosa	Schreibers manzanita	None	None	-	1B.2	
Arctostaphylos ohloneana	Ohlone manzanita	None	None	-	1B.1	
Arctostaphylos silvicola	Bonny Doon manzanita	None	None	-	1B.2	
Astragalus agnicidus	Humboldt County milk-vetch	None	Endangered	-	1B.1	
Hoita strobilina	Loma Prieta hoita	None	None	-	1B.1	
Hosackia gracilis	harlequin lotus	None	None	-		4.2
Trifolium buckwestiorum	Santa Cruz clover	None	None	-	1B.1	
Trifolium polyodon	Pacific Grove clover	None	Rare	-	1B.1	
Iris longipetala	coast iris	None	None	-		4.2
Monardella sinuata ssp. nigrescens	northern curly-leaved monardella	None	None	-	1B.2	
Calochortus uniflorus	pink star-tulip	None	None	-		4.2
Malacothamnus arcuatus	arcuate bush-mallow	None	None	-	1B.2	
Sidalcea malachroides	maple-leaved checkerbloom	None	None	-		4.2
Toxicoscordion fontanum	marsh zigadenus	None	None	-		4.2
Calandrinia breweri	Brewers calandrinia	None	None	-		4.2
Calyptridium parryi var. hesseae	Santa Cruz Mountains pussypaws	None	None	-	1B.1	
Cypripedium fasciculatum	clustered ladys-slipper	None	None	-		4.2
Cypripedium montanum	mountain ladys-slipper	None	None	-		4.2
Piperia candida	white-flowered rein orchid	None	None	-	1B.2	
Piperia michaelii	Michaels rein orchid	None	None	-		4.2
Aphyllon robbinsii	Robbins broomrape	None	None	-	1B.1	
Castilleja ambigua var. ambigua	johnny-nip	None	None	-		4.2
Pedicularis dudleyi	Dudleys lousewort	None	Rare	-	1B.2	
Eschscholzia hypecoides	San Benito poppy	None	None	-		4.3
Mimulus rattanii ssp. decurtatus	Santa Cruz County monkeyflower	None	None	-		4.2
Pinus radiata	Monterey pine	None	None	-	1B.1	
Collinsia multicolor	San Francisco collinsia	None	None	-	1B.2	
Penstemon rattanii var. kleei	Santa Cruz Mountains beardtongue	None	None	-	1B.2	
Agrostis blasdalei	Blasdales bent grass	None	None	-	1B.2	

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908 Ocean Street, Santa Cruz, CA – 9 Quad Search (California Natural Diversity Database, Accessed May 23, 2024)

Elymus californicus	California bottle-brush grass	None	None	-		4.3
Leptosiphon aureus	bristly leptosiphon	None	None	-		4.2
Leptosiphon grandiflorus	large-flowered leptosiphon	None	None	-		4.2
Chorizanthe pungens var. hartwegiana	Ben Lomond spineflower	Endangered	None	-	1B.1	
Chorizanthe pungens var. pungens	Monterey spineflower	Threatened	None	-	1B.2	
Chorizanthe robusta var. hartwegii	Scotts Valley spineflower	Endangered	None	-	1B.1	
Chorizanthe robusta var. robusta	robust spineflower	Endangered	None	-	1B.1	
Eriogonum nudum var. decurrens	Ben Lomond buckwheat	None	None	-	1B.1	
Polygonum hickmanii	Scotts Valley polygonum	Endangered	Endangered	-	1B.1	
Ranunculus lobbii	Lobbs aquatic buttercup	None	None	-		4.2
Horkelia cuneata var. sericea	Kelloggs horkelia	None	None	-	1B.1	
Horkelia marinensis	Point Reyes horkelia	None	None	-	1B.2	

FE = Federally Endangered; FT = Federally Threatened; SE = State Endangered; ST = State Threatened; SFP = State Fully Protected; SSC = State Species of Special Concern

California Rare Plant Rank (CRPR)

- 1B = Rare, Threatened, or Endangered in California and Elsewhere
- 4 = Limited distribution or infrequent throughout a broader area in California.

CRPR Threat Ranks

- 0.1-Seriously threatened in California (over 80% of occurrences threatened/high degree and immediacy of threat)
- 0.2-Moderately threatened in California (20-80% occurrences threatened/moderate degree and immediacy of threat)
- 0.3-Not very threatened in California (less than 20% of occurrences threatened / low degree and immediacy of threat or no current threats known)

California Department of Transportation

CALTRANS DISTRICT 5
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May 31, 2024

SCH #2024050531
SCR/1/17.225

Eric Marlatt, Assistant Director of Planning and Community Development
City of Santa Cruz
809 Center Street
Santa Cruz, CA 95060

RE: COMMENTS FOR 908 OCEAN STREET MIXED-USE DEVELOPMENT NOP

Dear Mr. Marlatt:

The California Department of Transportation (Caltrans) appreciates the opportunity to review the NOP for the 908 Ocean Street Mixed-Use Development, which aims to construct a mixed-use development on one 14.5-acre parcel with 389 residential units and 9,570 square feet of commercial space. Caltrans supports local development that is consistent with State planning priorities intended to promote equity, strengthen the economy, protect the environment, and promote public health and safety. We accomplish this by working with local jurisdictions to achieve a shared vision of how the transportation system should and can accommodate interregional and local travel and development. Projects supporting smart growth principles, including improvements to pedestrian, bicycle, and transit infrastructure (or other key Transportation Demand Strategies) are supported by Caltrans and are consistent with our mission, vision, and goals. Caltrans offers the following comments in response to the NOP:

1. As a result of Senate Bill (SB) 743, effective July 2020 Caltrans replaced vehicle level of service (LOS) with vehicle miles traveled (VMT) as the primary metric for identifying transportation impacts from local development. The focus now will be on how projects are expected to influence the overall amount of automobile use instead of traffic congestion as a significant impact. For more information about the VMT Technical Advisory, please visit: https://opr.ca.gov/ceqa/sb-743/.

2. Please submit a travel demand analysis that provides a vehicle miles traveled (VMT) analysis resulting from the proposed project. With the enactment of Senate Bill 743, Caltrans is focusing on transportation infrastructure that supports smart growth and efficient development to ensure alignment with State policies using efficient development patterns, innovative travel demand reduction strategies, multimodal improvements, and VMT as the primary transportation impact metric.

3. Employing VMT as the metric of transportation impact statewide will help to promote greenhouse gas (GHG) emission reductions consistent with SB 375 and can be achieved through influencing on-the-ground development. Implementation of this change will rely, in part, on local land use decisions to reduce GHG emissions associated with the transportation sector, both at the project level, and in long-term plans (including general plans, climate action plans, specific plans, and transportation plans) and supporting Sustainable Community Strategies developed under SB 375. In addition to any site-specific access or safety concerns with the project, it is likely that the Caltrans correspondence will focus attention on meeting overall VMT reducing goals.

4. Potential impacts on Caltrans' Right-of-Way (ROW) from the project-related temporary access points should be analyzed. Mitigation for significant impacts due to construction and noise should be identified. Project work that requires the movement of oversized or excessive load vehicles on the State Highway System requires a transportation permit that is issued by Caltrans. For more information please visit: https://dot.ca.gov/programs/traffic-operations/transportation-permits.

5. Caltrans encourages the applicant to look into installing electric vehicle (EV) charging stations at the project location. EV charging stations can help assist in SB 743's goal of reducing greenhouse gas (GHG) emissions by providing a sustainable transportation option through electric vehicles. Many local and statewide programs offer grants and incentives for EV charging stations.

Thank you for the opportunity to review and comment on the proposed project. If you have any questions or need further clarification on the items discussed above, please contact me at (805) 835-6543 or email Jacob.m.Hernandez@dot.ca.gov.

Sincerely,

Jacob Hernandez

Jacob Hernandez
Transportation Planner
District 5 Local Development Review Coordinator

Appendix B

Air Quality and Greenhouse Gas Calculations

908 Ocean v2 Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	908 Ocean v2
Construction Start Date	9/1/2025
Operational Year	2028
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	1.80
Precipitation (days)	8.80
Location	36.981006937770616, -122.0210992993359
County	Santa Cruz
City	Santa Cruz
Air District	Monterey Bay ARD
Air Basin	North Central Coast
TAZ	3118
EDFZ	6
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.25

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

Apartments Low Rise	103	Dwelling Unit	0.84	100,813	0.00	—	271	—
Apartments Mid Rise	286	Dwelling Unit	2.44	271,670	29,135	—	752	—
Strip Mall	9.57	1000sqft	0.00	9,570	0.00	—	—	—
Parking Lot	8.40	1000sqft	0.19	0.00	0.00	—	—	—
Enclosed Parking Structure	152	1000sqft	0.00	152,345	0.00	—	—	—
Other Non-Asphalt Surfaces	29.1	1000sqft	0.67	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.	2.41	2.14	10.5	32.0	0.07	0.22	4.04	4.27	0.20	0.71	0.90	—	6,666	6,666	0.44	0.53	13.6	6,841
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	118	117	15.7	35.0	0.12	0.22	19.8	19.9	0.20	10.1	10.2	—	11,046	11,046	0.87	1.30	0.38	11,455
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	20.9	20.9	4.74	21.7	0.02	0.09	1.97	2.06	0.08	0.72	0.76	—	4,438	4,438	0.25	0.24	3.94	4,520

Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.82	3.81	0.87	3.96	< 0.005	0.02	0.36	0.38	0.01	0.13	0.14	—	735	735	0.04	0.04	0.65	748

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	1.29	0.88	10.5	21.1	0.07	0.22	4.04	4.27	0.20	0.71	0.90	—	6,666	6,666	0.44	0.53	6.09	6,841
2026	2.41	2.14	6.56	32.0	0.03	0.12	2.74	2.86	0.12	0.65	0.77	—	6,336	6,336	0.33	0.34	13.6	6,458
2027	2.34	2.09	6.38	31.0	0.03	0.12	2.74	2.85	0.11	0.65	0.77	—	6,266	6,266	0.33	0.34	12.6	6,387
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.43	0.88	15.7	29.2	0.12	0.22	19.8	19.9	0.20	10.1	10.2	—	11,046	11,046	0.87	1.30	0.38	11,455
2026	2.42	2.14	15.1	31.9	0.12	0.21	9.02	9.23	0.16	3.95	4.11	—	10,912	10,912	0.86	1.30	0.36	11,321
2027	118	117	7.85	35.0	0.03	0.14	3.21	3.35	0.13	0.77	0.90	—	6,769	6,769	0.39	0.36	0.38	6,886
2028	118	117	7.47	33.9	0.03	0.13	3.21	3.34	0.12	0.77	0.89	—	6,689	6,689	0.37	0.35	0.35	6,803
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.30	0.18	2.79	5.52	0.02	0.05	1.85	1.90	0.04	0.72	0.76	—	1,964	1,964	0.14	0.18	0.90	2,023
2026	1.27	1.12	3.88	17.3	0.02	0.08	1.35	1.44	0.08	0.33	0.41	—	3,355	3,355	0.18	0.17	2.89	3,412
2027	8.64	8.45	4.74	21.7	0.02	0.09	1.97	2.06	0.08	0.47	0.55	—	4,438	4,438	0.25	0.24	3.94	4,520
2028	20.9	20.9	1.31	5.87	0.01	0.02	0.57	0.59	0.02	0.14	0.16	—	1,191	1,191	0.07	0.06	1.03	1,212
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.06	0.03	0.51	1.01	< 0.005	0.01	0.34	0.35	0.01	0.13	0.14	—	325	325	0.02	0.03	0.15	335
2026	0.23	0.20	0.71	3.15	< 0.005	0.02	0.25	0.26	0.01	0.06	0.07	—	555	555	0.03	0.03	0.48	565

2027	1.58	1.54	0.87	3.96	< 0.005	0.02	0.36	0.38	0.01	0.09	0.10	—	735	735	0.04	0.04	0.65	748
2028	3.82	3.81	0.24	1.07	< 0.005	< 0.005	0.10	0.11	< 0.005	0.02	0.03	—	197	197	0.01	0.01	0.17	201

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.	21.9	21.2	5.13	75.8	0.08	0.09	7.33	7.42	0.08	1.86	1.95	186	9,490	9,676	19.5	0.52	29.7	10,349
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	18.6	18.0	5.65	51.0	0.08	0.07	7.33	7.40	0.07	1.86	1.93	186	9,146	9,332	19.6	0.57	3.43	9,995
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	20.6	19.9	5.50	67.0	0.08	0.09	7.23	7.31	0.08	1.84	1.92	186	9,197	9,383	19.5	0.55	14.3	10,049
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.76	3.63	1.00	12.2	0.01	0.02	1.32	1.33	0.01	0.34	0.35	30.9	1,523	1,553	3.24	0.09	2.37	1,664

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	9.64	9.09	4.85	46.7	0.08	0.07	7.33	7.40	0.06	1.86	1.93	—	8,297	8,297	0.60	0.44	27.0	8,470
Area	12.3	12.1	0.27	29.2	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	88.0	88.0	< 0.005	< 0.005	—	88.3

Energy	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1,063	1,063	0.17	0.02	—	1,073
Water	—	—	—	—	—	—	—	—	—	—	—	26.0	41.7	67.8	2.68	0.06	—	154
Waste	—	—	—	—	—	—	—	—	—	—	—	160	0.00	160	16.0	0.00	—	561
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.73	2.73
Total	21.9	21.2	5.13	75.8	0.08	0.09	7.33	7.42	0.08	1.86	1.95	186	9,490	9,676	19.5	0.52	29.7	10,349
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	9.61	9.00	5.64	51.0	0.08	0.07	7.33	7.40	0.06	1.86	1.93	—	8,041	8,041	0.70	0.48	0.70	8,204
Area	8.99	8.99	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1,063	1,063	0.17	0.02	—	1,073
Water	—	—	—	—	—	—	—	—	—	—	—	26.0	41.7	67.8	2.68	0.06	—	154
Waste	—	—	—	—	—	—	—	—	—	—	—	160	0.00	160	16.0	0.00	—	561
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.73	2.73
Total	18.6	18.0	5.65	51.0	0.08	0.07	7.33	7.40	0.07	1.86	1.93	186	9,146	9,332	19.6	0.57	3.43	9,995
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	9.37	8.79	5.30	47.0	0.08	0.07	7.23	7.30	0.06	1.84	1.90	—	7,973	7,973	0.65	0.46	11.6	8,138
Area	11.2	11.1	0.18	20.0	< 0.005	0.02	—	0.02	0.01	—	0.01	0.00	119	119	0.01	< 0.005	—	120
Energy	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1,063	1,063	0.17	0.02	—	1,073
Water	—	—	—	—	—	—	—	—	—	—	—	26.0	41.7	67.8	2.68	0.06	—	154
Waste	—	—	—	—	—	—	—	—	—	—	—	160	0.00	160	16.0	0.00	—	561
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.73	2.73
Total	20.6	19.9	5.50	67.0	0.08	0.09	7.23	7.31	0.08	1.84	1.92	186	9,197	9,383	19.5	0.55	14.3	10,049
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.71	1.60	0.97	8.58	0.01	0.01	1.32	1.33	0.01	0.34	0.35	—	1,320	1,320	0.11	0.08	1.92	1,347
Area	2.05	2.03	0.03	3.64	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	19.7	19.7	< 0.005	< 0.005	—	19.9
Energy	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	176	176	0.03	< 0.005	—	178
Water	—	—	—	—	—	—	—	—	—	—	—	4.31	6.91	11.2	0.44	0.01	—	25.5

Waste	—	—	—	—	—	—	—	—	—	—	—	26.6	0.00	26.6	2.65	0.00	—	92.9
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.45	0.45
Total	3.76	3.63	1.00	12.2	0.01	0.02	1.32	1.33	0.01	0.34	0.35	30.9	1,523	1,553	3.24	0.09	2.37	1,664

3. Construction Emissions Details

3.1. Demolition (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	0.83	0.74	5.39	18.4	0.03	0.17	—	0.17	0.16	—	0.16	—	3,425	3,425	0.14	0.03	—	3,437
Demolition	—	—	—	—	—	—	3.23	3.23	—	0.49	0.49	—	—	—	—	—	—	—
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	0.83	0.74	5.39	18.4	0.03	0.17	—	0.17	0.16	—	0.16	—	3,425	3,425	0.14	0.03	—	3,437
Demolition	—	—	—	—	—	—	3.23	3.23	—	0.49	0.49	—	—	—	—	—	—	—
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	0.10	0.09	0.66	2.26	< 0.005	0.02	—	0.02	0.02	—	0.02	—	422	422	0.02	< 0.005	—	424

Demolitio	—	—	—	—	—	—	0.40	0.40	—	0.06	0.06	—	—	—	—	—	—	—
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	0.02	0.02	0.12	0.41	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	69.9	69.9	< 0.005	< 0.005	—	70.1
Demolitio n	—	—	—	—	—	—	0.07	0.07	—	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	0.08	0.07	0.05	0.74	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	111	111	0.01	< 0.005	0.48	113
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	0.38	0.07	5.05	2.01	0.03	0.05	0.71	0.76	0.03	0.19	0.23	—	3,131	3,131	0.29	0.50	5.62	3,292
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.07	0.73	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	106	106	0.01	< 0.005	0.01	108
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	0.38	0.07	5.28	2.02	0.03	0.05	0.71	0.76	0.03	0.19	0.23	—	3,130	3,130	0.29	0.50	0.15	3,286
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	13.1	13.1	< 0.005	< 0.005	0.03	13.3
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	0.05	0.01	0.64	0.25	< 0.005	0.01	0.09	0.09	< 0.005	0.02	0.03	—	386	386	0.04	0.06	0.30	405
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.17	2.17	< 0.005	< 0.005	< 0.005	2.20
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	0.01	< 0.005	0.12	0.05	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	63.9	63.9	0.01	0.01	0.05	67.1

3.3. 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-Road Equipment	0.50	0.50	2.59	28.3	0.05	0.10	—	0.10	0.10	—	0.10	—	5,295	5,295	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
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	0.01	0.01	0.07	0.78	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	145	145	0.01	< 0.005	—	146
Dust From Material Movement	—	—	—	—	—	—	0.54	0.54	—	0.28	0.28	—	—	—	—	—	—	—
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	0.01	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	24.0	24.0	< 0.005	< 0.005	—	24.1

Dust From Material Movement	—	—	—	—	—	—	0.10	0.10	—	0.05	0.05	—	—	—	—	—	—	—
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	0.08	0.08	0.85	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	124	124	0.01	0.01	0.01	126
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.39	3.39	< 0.005	< 0.005	0.01	3.45
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	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.56	0.56	< 0.005	< 0.005	< 0.005	0.57
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

3.5. 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	0.38	0.36	2.21	17.8	0.03	0.08	—	0.08	0.08	—	0.08	—	2,959	2,959	0.12	0.02	—	2,970
Dust From Material Movement	—	—	—	—	—	—	7.11	7.11	—	3.43	3.43	—	—	—	—	—	—	—
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	0.03	0.03	0.20	1.60	< 0.005	0.01	—	0.01	0.01	—	0.01	—	266	266	0.01	< 0.005	—	267
Dust From Material Movement	—	—	—	—	—	—	0.64	0.64	—	0.31	0.31	—	—	—	—	—	—	—
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	0.04	0.29	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	44.1	44.1	< 0.005	< 0.005	—	44.3
Dust From Material Movement	—	—	—	—	—	—	0.12	0.12	—	0.06	0.06	—	—	—	—	—	—	—
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	0.07	0.07	0.73	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	106	106	0.01	< 0.005	0.01	108
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	0.96	0.18	13.5	5.16	0.09	0.13	1.81	1.94	0.09	0.49	0.58	—	7,980	7,980	0.74	1.27	0.37	8,378
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.55	9.55	< 0.005	< 0.005	0.02	9.71
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	0.09	0.02	1.20	0.46	0.01	0.01	0.16	0.17	0.01	0.04	0.05	—	718	718	0.07	0.11	0.55	755
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.58	1.58	< 0.005	< 0.005	< 0.005	1.61
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	0.02	< 0.005	0.22	0.08	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	119	119	0.01	0.02	0.09	125

3.7. Grading (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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.38	0.36	2.20	17.8	0.03	0.08	—	0.08	0.07	—	0.07	—	2,960	2,960	0.12	0.02	—	2,970

Dust From Material Movement	—	—	—	—	—	—	7.11	7.11	—	3.43	3.43	—	—	—	—	—	—	—
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	< 0.005	< 0.005	< 0.005	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.79	5.79	< 0.005	< 0.005	—	5.81
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.96	0.96	< 0.005	< 0.005	—	0.96
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
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	0.07	0.06	0.69	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	104	104	0.01	< 0.005	0.01	106
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	0.92	0.18	12.8	5.03	0.09	0.13	1.81	1.94	0.09	0.49	0.58	—	7,848	7,848	0.74	1.27	0.35	8,245

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.20	0.20	< 0.005	< 0.005	< 0.005	0.21
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	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	15.4	15.4	< 0.005	< 0.005	0.01	16.1
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.03	0.03	< 0.005	< 0.005	< 0.005	0.03
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	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.54	2.54	< 0.005	< 0.005	< 0.005	2.67

3.9. 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	0.52	0.47	3.12	15.0	0.02	0.11	—	0.11	0.10	—	0.10	—	2,397	2,397	0.10	0.02	—	2,405
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	0.52	0.47	3.12	15.0	0.02	0.11	—	0.11	0.10	—	0.10	—	2,397	2,397	0.10	0.02	—	2,405
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	0.25	0.22	1.50	7.18	0.01	0.05	—	0.05	0.05	—	0.05	—	1,149	1,149	0.05	0.01	—	1,153
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	0.05	0.04	0.27	1.31	< 0.005	0.01	—	0.01	0.01	—	0.01	—	190	190	0.01	< 0.005	—	191
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	1.73	1.62	1.10	16.0	0.00	0.00	2.38	2.38	0.00	0.56	0.56	—	2,520	2,520	0.14	0.10	10.3	2,566
Vendor	0.16	0.06	2.34	1.00	0.01	0.02	0.36	0.37	0.02	0.10	0.11	—	1,419	1,419	0.09	0.21	3.28	1,487
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	1.74	1.62	1.46	15.9	0.00	0.00	2.38	2.38	0.00	0.56	0.56	—	2,413	2,413	0.17	0.10	0.27	2,449
Vendor	0.16	0.05	2.43	1.03	0.01	0.02	0.36	0.38	0.02	0.10	0.11	—	1,419	1,419	0.09	0.21	0.08	1,484
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	0.81	0.76	0.62	7.18	0.00	0.00	1.14	1.14	0.00	0.27	0.27	—	1,157	1,157	0.08	0.05	2.14	1,176
Vendor	0.07	0.03	1.15	0.49	< 0.005	0.01	0.17	0.18	0.01	0.05	0.05	—	680	680	0.04	0.10	0.68	712
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	0.15	0.14	0.11	1.31	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	192	192	0.01	0.01	0.35	195
Vendor	0.01	< 0.005	0.21	0.09	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	113	113	0.01	0.02	0.11	118
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. Building Construction (2027) - 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	0.51	0.45	3.08	15.0	0.02	0.10	—	0.10	0.09	—	0.09	—	2,397	2,397	0.10	0.02	—	2,405
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	0.51	0.45	3.08	15.0	0.02	0.10	—	0.10	0.09	—	0.09	—	2,397	2,397	0.10	0.02	—	2,405
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	0.36	0.32	2.20	10.7	0.02	0.07	—	0.07	0.07	—	0.07	—	1,712	1,712	0.07	0.01	—	1,718
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	0.40	1.95	< 0.005	0.01	—	0.01	0.01	—	0.01	—	283	283	0.01	< 0.005	—	284
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	1.68	1.58	1.09	15.1	0.00	0.00	2.38	2.38	0.00	0.56	0.56	—	2,477	2,477	0.14	0.10	9.61	2,522
Vendor	0.15	0.05	2.22	0.96	0.01	0.02	0.36	0.37	0.02	0.10	0.11	—	1,392	1,392	0.09	0.21	3.01	1,460
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	1.69	1.57	1.37	15.0	0.00	0.00	2.38	2.38	0.00	0.56	0.56	—	2,372	2,372	0.17	0.10	0.25	2,408
Vendor	0.15	0.05	2.30	0.99	0.01	0.02	0.36	0.37	0.02	0.10	0.11	—	1,392	1,392	0.09	0.21	0.08	1,457
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	1.18	1.10	0.86	10.1	0.00	0.00	1.69	1.69	0.00	0.40	0.40	—	1,694	1,694	0.11	0.07	2.96	1,723
Vendor	0.10	0.04	1.62	0.70	0.01	0.01	0.25	0.27	0.01	0.07	0.08	—	994	994	0.06	0.15	0.93	1,042
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	0.22	0.20	0.16	1.84	0.00	0.00	0.31	0.31	0.00	0.07	0.07	—	281	281	0.02	0.01	0.49	285
Vendor	0.02	0.01	0.30	0.13	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	165	165	0.01	0.02	0.15	172
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

3.13. Building Construction (2028) - 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	0.50	0.44	3.04	14.9	0.02	0.09	—	0.09	0.09	—	0.09	—	2,397	2,397	0.10	0.02	—	2,406
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	0.09	0.08	0.54	2.66	< 0.005	0.02	—	0.02	0.02	—	0.02	—	427	427	0.02	< 0.005	—	428
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	0.02	0.01	0.10	0.49	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	70.7	70.7	< 0.005	< 0.005	—	70.9
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	1.64	1.45	1.21	14.1	0.00	0.00	2.38	2.38	0.00	0.56	0.56	—	2,332	2,332	0.16	0.10	0.23	2,368
Vendor	0.13	0.05	2.18	0.95	0.01	0.02	0.36	0.37	0.02	0.10	0.11	—	1,359	1,359	0.08	0.20	0.07	1,422
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	0.29	0.25	0.20	2.37	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	415	415	0.03	0.02	0.69	422
Vendor	0.02	0.01	0.38	0.17	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	—	242	242	0.01	0.04	0.21	253
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	0.05	0.05	0.04	0.43	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	68.8	68.8	< 0.005	< 0.005	0.11	69.9
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	40.1	40.1	< 0.005	0.01	0.03	41.9
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

3.15. 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	0.43	0.38	2.45	9.35	0.01	0.10	—	0.10	0.09	—	0.09	—	1,350	1,350	0.05	0.01	—	1,355
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43	0.38	2.45	9.35	0.01	0.10	—	0.10	0.09	—	0.09	—	1,350	1,350	0.05	0.01	—	1,355
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.09	0.57	2.18	< 0.005	0.02	—	0.02	0.02	—	0.02	—	314	314	0.01	< 0.005	—	315
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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	0.02	0.02	0.10	0.40	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	52.1	52.1	< 0.005	< 0.005	—	52.2
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.10	0.09	0.06	0.92	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	145	145	0.01	0.01	0.60	148
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.08	0.92	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	139	139	0.01	0.01	0.02	141
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.20	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	32.4	32.4	< 0.005	< 0.005	0.06	32.9
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	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.36	5.36	< 0.005	< 0.005	0.01	5.45
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

3.17. Architectural Coating (2027) - 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	0.14	0.11	0.83	1.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	115	115	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.01	0.01	0.05	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.10	8.10	< 0.005	< 0.005	—	8.13
Architectural Coatings	6.96	6.96	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.34	1.34	< 0.005	< 0.005	—	1.35
Architectural Coatings	1.27	1.27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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	0.34	0.31	0.27	2.99	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	474	474	0.03	0.02	0.05	482
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.17	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	28.8	28.8	< 0.005	< 0.005	0.05	29.3
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	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.77	4.77	< 0.005	< 0.005	0.01	4.84
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

3.19. Architectural Coating (2028) - 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	0.13	0.11	0.81	1.12	< 0.005	0.02	—	0.02	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	115	115	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.02	0.02	0.14	0.20	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	23.8	23.8	< 0.005	< 0.005	—	23.9
Architectural Coatings	20.4	20.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.94	3.94	< 0.005	< 0.005	—	3.95
Architectural Coatings	3.73	3.73	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.33	0.29	0.24	2.82	0.00	0.00	0.48	0.48	0.00	0.11	0.11	—	466	466	0.03	0.02	0.05	474

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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.47	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	83.1	83.1	0.01	< 0.005	0.14	84.5
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	0.01	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	13.8	13.8	< 0.005	< 0.005	0.02	14.0
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	2.68	2.52	1.37	13.2	0.02	0.02	2.08	2.10	0.02	0.53	0.55	—	2,357	2,357	0.17	0.12	7.68	2,405
Apartments Mid Rise	5.01	4.72	2.55	24.6	0.04	0.04	3.90	3.93	0.03	0.99	1.03	—	4,408	4,408	0.31	0.23	14.4	4,498
Strip Mall	1.96	1.85	0.93	8.90	0.02	0.01	1.35	1.36	0.01	0.34	0.35	—	1,533	1,533	0.12	0.08	4.96	1,566

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
Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	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 Non-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	9.64	9.09	4.85	46.7	0.08	0.07	7.33	7.40	0.06	1.86	1.93	—	8,297	8,297	0.60	0.44	27.0	8,470
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	2.67	2.50	1.59	14.3	0.02	0.02	2.08	2.10	0.02	0.53	0.55	—	2,284	2,284	0.20	0.14	0.20	2,329
Apartments Mid Rise	4.99	4.67	2.97	26.8	0.04	0.04	3.90	3.93	0.03	0.99	1.03	—	4,271	4,271	0.37	0.25	0.37	4,356
Strip Mall	1.95	1.83	1.08	9.85	0.01	0.01	1.35	1.36	0.01	0.34	0.35	—	1,487	1,487	0.14	0.09	0.13	1,518
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
Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	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 Non-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	9.61	9.00	5.64	51.0	0.08	0.07	7.33	7.40	0.06	1.86	1.93	—	8,041	8,041	0.70	0.48	0.70	8,204
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	0.48	0.45	0.27	2.43	< 0.005	< 0.005	0.38	0.38	< 0.005	0.10	0.10	—	378	378	0.03	0.02	0.55	386
Apartments Mid Rise	0.88	0.83	0.51	4.48	0.01	0.01	0.70	0.70	0.01	0.18	0.18	—	696	696	0.06	0.04	1.01	710

Strip Mall	0.35	0.33	0.19	1.67	< 0.005	< 0.005	0.24	0.25	< 0.005	0.06	0.06	—	246	246	0.02	0.01	0.35	251
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
Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	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 Non-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	1.71	1.60	0.97	8.58	0.01	0.01	1.32	1.33	0.01	0.34	0.35	—	1,320	1,320	0.11	0.08	1.92	1,347

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	193	193	0.03	< 0.005	—	195
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	505	505	0.08	0.01	—	510
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	44.3	44.3	0.01	< 0.005	—	44.7
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	4.11	4.11	< 0.005	< 0.005	—	4.15
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	—	298	298	0.05	0.01	—	301

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,044	1,044	0.17	0.02	—	1,055
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	193	193	0.03	< 0.005	—	195
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	505	505	0.08	0.01	—	510
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	44.3	44.3	0.01	< 0.005	—	44.7
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	4.11	4.11	< 0.005	< 0.005	—	4.15
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	—	298	298	0.05	0.01	—	301
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,044	1,044	0.17	0.02	—	1,055
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	32.0	32.0	0.01	< 0.005	—	32.3
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	83.6	83.6	0.01	< 0.005	—	84.4
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	7.33	7.33	< 0.005	< 0.005	—	7.40
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.68	0.68	< 0.005	< 0.005	—	0.69

Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	—	49.4	49.4	0.01	< 0.005	—	49.8
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	173	173	0.03	< 0.005	—	175

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Strip Mall	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.3	18.3	< 0.005	< 0.005	—	18.4
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
Enclosed Parking Structure	0.00	0.00	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 Non-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	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.3	18.3	< 0.005	< 0.005	—	18.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartments Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Strip Mall	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.3	18.3	< 0.005	< 0.005	—	18.4
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
Enclosed Parking Structure	0.00	0.00	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 Non-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	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.3	18.3	< 0.005	< 0.005	—	18.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Strip Mall	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.03	3.03	< 0.005	< 0.005	—	3.04
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
Enclosed Parking Structure	0.00	0.00	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 Non-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	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.03	3.03	< 0.005	< 0.005	—	3.04

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	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	8.18	8.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.82	0.82	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	3.28	3.08	0.27	29.2	< 0.005	0.02	—	0.02	0.02	—	0.02	—	88.0	88.0	< 0.005	< 0.005	—	88.3
Total	12.3	12.1	0.27	29.2	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	88.0	88.0	< 0.005	< 0.005	—	88.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	8.18	8.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.82	0.82	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	8.99	8.99	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	9.75	9.75	< 0.005	< 0.005	—	9.84

Consum Products	1.49	1.49	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.15	0.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.41	0.39	0.03	3.64	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.97	9.97	< 0.005	< 0.005	—	10.0
Total	2.05	2.03	0.03	3.64	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	19.7	19.7	< 0.005	< 0.005	—	19.9

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	6.54	10.3	16.9	0.67	0.02	—	38.5
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	18.2	29.3	47.4	1.87	0.04	—	107
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	1.36	2.14	3.50	0.14	< 0.005	—	7.99
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	26.0	41.7	67.8	2.68	0.06	—	154
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	6.54	10.3	16.9	0.67	0.02	—	38.5
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	18.2	29.3	47.4	1.87	0.04	—	107
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	1.36	2.14	3.50	0.14	< 0.005	—	7.99
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	26.0	41.7	67.8	2.68	0.06	—	154
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	1.08	1.71	2.79	0.11	< 0.005	—	6.37
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	3.00	4.85	7.85	0.31	0.01	—	17.8
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	0.22	0.35	0.58	0.02	< 0.005	—	1.32
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	4.31	6.91	11.2	0.44	0.01	—	25.5

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	41.1	0.00	41.1	4.10	0.00	—	144
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	114	0.00	114	11.4	0.00	—	399
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	5.42	0.00	5.42	0.54	0.00	—	18.9
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	160	0.00	160	16.0	0.00	—	561

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	41.1	0.00	41.1	4.10	0.00	—	144
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	114	0.00	114	11.4	0.00	—	399
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	5.42	0.00	5.42	0.54	0.00	—	18.9
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	160	0.00	160	16.0	0.00	—	561
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	6.80	0.00	6.80	0.68	0.00	—	23.8
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	18.9	0.00	18.9	1.89	0.00	—	66.0
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	0.90	0.00	0.90	0.09	0.00	—	3.14
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Total	—	—	—	—	—	—	—	—	—	—	—	26.6	0.00	26.6	2.65	0.00	—	92.9

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.72	0.72
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.95	1.95
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.06	0.06
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.73	2.73
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.72	0.72
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.95	1.95
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.06	0.06
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.73	2.73
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.12	0.12
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.32	0.32
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.45	0.45

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)

Equipme 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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Demolition	Demolition	9/1/2025	10/31/2025	5.00	45.0	—
Site Preparation	Site Preparation	11/1/2025	11/15/2025	5.00	10.0	—
Grading	Grading	11/16/2025	1/1/2026	5.00	34.0	—
Building Construction	Building Construction	5/1/2026	3/31/2028	5.00	501	—
Paving	Paving	1/2/2026	4/30/2026	5.00	85.0	—
Architectural Coating	Architectural Coating	12/1/2027	3/31/2028	5.00	88.0	—

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
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00	8.00	367	0.40
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Final	3.00	8.00	367	0.40

Site Preparation	Tractors/Loaders/Backh	Diesel	Tier 4 Final	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	8.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	7.00	84.0	0.37
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Paving	Cement and Mortar Mixers	Diesel	Average	2.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Tier 4 Final	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	2.00	6.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	6.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	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
Demolition	—	—	—	—
Demolition	Worker	15.0	9.71	LDA,LDT1,LDT2
Demolition	Vendor	—	6.06	HHDT,MHDT
Demolition	Hauling	38.2	20.0	HHDT

Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	9.71	LDA,LDT1,LDT2
Site Preparation	Vendor	—	6.06	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	15.0	9.71	LDA,LDT1,LDT2
Grading	Vendor	—	6.06	HHDT,MHDT
Grading	Hauling	97.4	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	347	9.71	LDA,LDT1,LDT2
Building Construction	Vendor	68.1	6.06	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	20.0	9.71	LDA,LDT1,LDT2
Paving	Vendor	—	6.06	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	69.4	9.71	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	6.06	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

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%

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	754,278	251,426	14,355	4,785	2,252

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	6,878	—
Site Preparation	—	—	15.0	0.00	—
Grading	0.00	26,500	34.0	0.00	—
Paving	0.00	0.00	0.00	0.00	0.86

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt

Apartments Low Rise	—	0%
Apartments Mid Rise	—	0%
Strip Mall	0.00	0%
Parking Lot	0.19	100%
Enclosed Parking Structure	0.00	100%
Other Non-Asphalt Surfaces	0.67	0%

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	204	0.03	< 0.005
2026	0.00	204	0.03	< 0.005
2027	0.00	204	0.03	< 0.005
2028	0.00	204	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
Apartments Low Rise	609	609	609	222,276	2,927	2,927	2,927	1,068,442
Apartments Mid Rise	1,139	1,139	1,015	409,286	5,475	5,475	4,881	1,967,368
Strip Mall	458	458	458	167,187	1,891	1,891	1,891	690,291
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-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)
Apartments Low Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	103
No Fireplaces	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	286
No Fireplaces	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	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)
754278.075	251,426	14,355	4,785	2,252

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)
Apartments Low Rise	345,476	204	0.0330	0.0040	0.00
Apartments Mid Rise	903,321	204	0.0330	0.0040	0.00
Strip Mall	79,213	204	0.0330	0.0040	57,160
Parking Lot	7,358	204	0.0330	0.0040	0.00
Enclosed Parking Structure	533,426	204	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	204	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)
Apartments Low Rise	3,411,182	0.00

Apartments Mid Rise	9,471,827	297,152
Strip Mall	708,874	0.00
Parking Lot	0.00	0.00
Enclosed Parking Structure	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Low Rise	76.2	—
Apartments Mid Rise	211	—
Strip Mall	10.0	—
Parking Lot	0.00	—
Enclosed Parking Structure	0.00	—
Other Non-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
Apartments Low Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Low Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0

Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 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	4.83	annual days of extreme heat
Extreme Precipitation	13.2	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	5.68	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	N/A	N/A	N/A	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	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A
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	1	1	1	2
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	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 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	13.6
AQ-PM	3.86
AQ-DPM	80.0
Drinking Water	18.3
Lead Risk Housing	69.4
Pesticides	11.2
Toxic Releases	15.5
Traffic	65.8
Effect Indicators	—
CleanUp Sites	86.5
Groundwater	92.2

Haz Waste Facilities/Generators	82.7
Impaired Water Bodies	94.6
Solid Waste	0.00
Sensitive Population	—
Asthma	16.8
Cardio-vascular	15.7
Low Birth Weights	10.4
Socioeconomic Factor Indicators	—
Education	42.3
Housing	81.3
Linguistic	55.6
Poverty	48.6
Unemployment	35.0

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	48.94135763
Employed	47.8121391
Median HI	48.64622097
Education	—
Bachelor's or higher	73.74566919
High school enrollment	100
Preschool enrollment	42.87180803
Transportation	—
Auto Access	57.21801617

Active commuting	88.64365456
Social	—
2-parent households	76.01693828
Voting	63.839343
Neighborhood	—
Alcohol availability	32.2340562
Park access	54.34364173
Retail density	68.25356089
Supermarket access	58.15475427
Tree canopy	77.21031695
Housing	—
Homeownership	39.31733607
Housing habitability	46.40061594
Low-inc homeowner severe housing cost burden	61.47824971
Low-inc renter severe housing cost burden	12.63954831
Uncrowded housing	78.31387142
Health Outcomes	—
Insured adults	54.56178622
Arthritis	0.0
Asthma ER Admissions	80.2
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	50.9

Cognitively Disabled	26.7
Physically Disabled	85.5
Heart Attack ER Admissions	87.4
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	60.3
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	40.1
Children	12.9
Elderly	68.4
English Speaking	54.6
Foreign-born	23.4
Outdoor Workers	26.3
Climate Change Adaptive Capacity	—
Impervious Surface Cover	51.5
Traffic Density	63.1
Traffic Access	0.0
Other Indices	—
Hardship	33.7

Other Decision Support	—
2016 Voting	84.4

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	37.0
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)	Yes
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	Mixed-Use Development on a total of 4.14 acres. Parking Non-Asphalt Structures accounts for Loggia and outdoor walking area pavement. Landscaped area for the site included in Apartments Mid-Rise.
Construction: Construction Phases	Per Construction Questionnaire
Operations: Vehicle Data	Adjusted per Trip Generation
Operations: Hearths	Residential Buildings anticipated to be all-electric per CAP Checklist

Operations: Energy Use	Residential Buildings anticipated to be all-electric per CAP Checklist
Construction: On-Road Fugitive Dust	All vehicles would travel along paved roads.
Operations: Road Dust	All vehicle trips would be on paved roads.
Construction: Off-Road Equipment	Tier 4 Mitigation per MM AQ-1

Appendix C

Health Risk Assessment Data

CONSTRUCTION

	2025		Days	Vendor	Hauling	Vendor	Hauling
Demo	9/1/2025	10/31/2025	45	0	38	0	1720
Site Prep	11/1/2025	11/15/2025	10	0	0	0	0
Grading	11/16/2025	12/31/2025	33	0	97	0	3216
	2026						
Grading	1/1/2026	1/1/2026	1	0	97	0	97
Paving	1/2/2026	4/30/2026	85	0	0	0	0
Building	5/1/2026	12/31/2026	175	68	0	11921	0
	2027						
Building	1/1/2027	12/31/2027	261	68	0	17780	0
Arch Coating	12/1/2027	12/31/2027	23	0	0	0	0
	2028						
Building	1/1/2028	3/31/2028	65	68	0	4428	0
Arch Coating	1/1/2028	3/31/2028	65	0	0	0	0

Phase I

Construction Duration (days)

2025	2026	2027	2028	Total	# Mons
88	261	261	65	675	30

2.5

On-Site Construction PM10 Exhaust (tons/yr)

Year	Phase	Unmitigated
2025	Demo	3.87E-03
2025	Site Prep	4.98E-04
2025	Grading	1.30E-03
	Total 2025	**5.66E-03**
2026	Grading	2.74E-05
2026	Paving	4.24E-03
2026	Building	9.29E-03
	Total 2026	**1.36E-02**
2027	Building	1.30E-03
2027	Arch Coating	2.11E-04
	Total 2027	**1.51E-03**
2028	Building	3.05E-03
2028	Arch Coating	4.99E-05
	Total 2028	**3.10E-03**

Off-Site Construction PM10 Exhaust (tons/yr)

Year	Phase	Unmitigated
2025	Demo	1.16E-03
2025	Site Prep	0.00E+00
2025	Grading	2.15E-03
	Total 2025	**3.31E-03**
2026	Grading	4.68E-05
2026	Paving	0.00E+00
2026	Building	1.59E-03
	Total 2026	**1.64E-03**
2027	Building	2.37E-03
2027	Arch Coating	0.00E+00
	Total 2027	**2.37E-03**
2028	Building	5.92E-04
2028	Arch Coating	0.00E+00
	Total 2028	**5.92E-04**

Construction

Group: ONSITE

PM10 Exhaust Onsite

		Unmitigated		
Year	**Unmitigated Tons/Year**	**g/s**	**Weighted Average On-Site Rate**	**AERMOD Unitized Rate (g/s)**
2025	5.66E-03	2.03E-03	**1.11E-03**	1
2026	1.36E-02	1.64E-03		
2027	1.51E-03	1.82E-04		
2028	3.10E-03	1.50E-03		

Group: OFFSITE

	Trips		Miles		Weighted
Year	**Vendor**	**Hauling**	**Vendor**	**Hauling**	**Trip length**
2025	0	4936	**6.06**	**20**	20.00
2026	11921	97	**6.06**	**20**	6.17
2027	17780	0	**6.06**	**20**	6.06
2028	4428	0	**6.06**	**20**	6.06

PM10 Exhaust Off-Site

		Unmitigated		Weighted Average Off-Site Rate
	Tons/Year	**g/s**	**g/s per mile**	
2025	3.31E-03	1.18E-03	5.92E-05	**4.29E-05**
2026	1.64E-03	1.98E-04	3.21E-05	
2027	2.37E-03	2.86E-04	4.73E-05	
2028	5.92E-04	2.87E-04	4.73E-05	

Group: OFFSITE

Roadway	Speed	Length (meters)	Length (Miles)	Emissions (g/sec per mile)	Emission Rate (g/sec)
				Unmitigated	
Ocean Street	**30**	**608.4**	0.38	4.29E-05	1.62E-05
Water Street	**30**	**644.1**	0.40	4.29E-05	1.72E-05

Risk Summary

Residential Exposure									
Construction (Mitigated)									
Location	**X**	**Y**	**X, Y**	**Rec #**	**Concentration**	**Construction Risk**	**Risk Per Million**	**Threhold**	
Residences North	587177.41	4093321.55	587177.41, 4093321.55	230	0.01897002	6.62478E-06	6.624779254	1.00E-05	LTS

Worker Exposure									
Construction (Mitigated)									
Location	**X**	**Y**	**X, Y**	**Rec #**	**Concentration**	**Construction Risk**	**Risk Per Million**	**Threhold**	
Worker East	587072.41	4093321.55	587072.41, 4093321.55	228	0.030313325	7.09145E-07	0.709144945	1.00E-05	LTS

CONSTRUCTION RISK

Unmitigated		
	Offsite	Offsite
Onsite	Ocean St	Water St
1.11E-03	1.62E-05	1.72E-05

	Discrete Receptor ID	X	Y	X, Y	Concentration (AVERAGE CONC) [ug/m^3] at 1 g/s Onsite	Offsite Ocean Street	Offsite Water Street	Concentration (AVERAGE CONC) [ug/m^3] Onsite	Offsite Ocean Street	Offsite Water Street	Total
1	UCART1	586932.4	4092866.55	586932.41, 4092866.55	0.35297	0.6252	1.4968	3.93E-04	1.01E-05	2.57E-05	4.28E-04
2	UCART1	586967.4	4092866.55	586967.41, 4092866.55	0.38376	0.75081	1.502	4.27E-04	1.22E-05	2.58E-05	4.65E-04
3	UCART1	587002.4	4092866.55	587002.41, 4092866.55	0.41046	0.91035	1.41628	4.56E-04	1.48E-05	2.43E-05	4.96E-04
4	UCART1	587037.4	4092866.55	587037.41, 4092866.55	0.44743	1.1811	1.36919	4.98E-04	1.92E-05	2.35E-05	5.40E-04
5	UCART1	587072.4	4092866.55	587072.41, 4092866.55	0.47902	1.60467	1.29287	5.33E-04	2.61E-05	2.22E-05	5.81E-04
6	UCART1	587107.4	4092866.55	587107.41, 4092866.55	0.50824	2.2276	1.20516	5.65E-04	3.62E-05	2.07E-05	6.22E-04
7	UCART1	587142.4	4092866.55	587142.41, 4092866.55	0.53553	3.02446	1.11897	5.96E-04	4.91E-05	1.92E-05	6.64E-04
8	UCART1	587177.4	4092866.55	587177.41, 4092866.55	0.55941	2.93474	1.03492	6.22E-04	4.76E-05	1.78E-05	6.88E-04
9	UCART1	587212.4	4092866.55	587212.41, 4092866.55	0.57455	1.94932	0.95677	6.39E-04	3.16E-05	1.64E-05	6.87E-04
10	UCART1	587247.4	4092866.55	587247.41, 4092866.55	0.5722	1.32569	0.88242	6.36E-04	2.15E-05	1.52E-05	6.73E-04
11	UCART1	587282.4	4092866.55	587282.41, 4092866.55	0.54986	0.96837	0.81218	6.12E-04	1.57E-05	1.40E-05	6.41E-04
12	UCART1	587317.4	4092866.55	587317.41, 4092866.55	0.51395	0.7472	0.74824	5.72E-04	1.21E-05	1.29E-05	5.97E-04
13	UCART1	587352.4	4092866.55	587352.41, 4092866.55	0.47072	0.59716	0.687	5.24E-04	9.69E-06	1.18E-05	5.45E-04
14	UCART1	587387.4	4092866.55	587387.41, 4092866.55	0.42698	0.49015	0.62871	4.75E-04	7.96E-06	1.08E-05	4.94E-04
15	UCART1	587457.4	4092866.55	587457.41, 4092866.55	0.36011	0.34323	0.52106	4.00E-04	5.57E-06	8.96E-06	4.15E-04
16	UCART1	586897.4	4092901.55	586897.41, 4092901.55	0.3737	0.61773	2.44715	4.16E-04	1.00E-05	4.21E-05	4.68E-04
17	UCART1	586932.4	4092901.55	586932.41, 4092901.55	0.41474	0.7487	2.50066	4.61E-04	1.22E-05	4.30E-05	5.16E-04
18	UCART1	586967.4	4092901.55	586967.41, 4092901.55	0.45626	0.93233	2.31142	5.07E-04	1.51E-05	3.97E-05	5.62E-04
19	UCART1	587002.4	4092901.55	587002.41, 4092901.55	0.49948	1.20867	2.1201	5.56E-04	1.96E-05	3.64E-05	6.12E-04
20	UCART1	587037.4	4092901.55	587037.41, 4092901.55	0.54386	1.67343	1.94632	6.05E-04	2.72E-05	3.35E-05	6.65E-04
21	UCART1	587072.4	4092901.55	587072.41, 4092901.55	0.58695	2.52486	1.76389	6.53E-04	4.10E-05	3.03E-05	7.24E-04
22	UCART1	587107.4	4092901.55	587107.41, 4092901.55	0.6275	4.39547	1.60069	6.98E-04	7.14E-05	2.75E-05	7.97E-04
23	UCART1	587142.4	4092901.55	587142.41, 4092901.55	0.66444	6.08574	1.4527	7.39E-04	9.88E-05	2.50E-05	8.63E-04
24	UCART1	587177.4	4092901.55	587177.41, 4092901.55	0.6934	6.59444	1.31743	7.71E-04	1.07E-04	2.26E-05	9.01E-04
25	UCART1	587247.4	4092901.55	587247.41, 4092901.55	0.68846	1.65492	1.08663	7.66E-04	2.69E-05	1.87E-05	8.11E-04
26	UCART1	587317.4	4092901.55	587317.41, 4092901.55	0.59202	0.8423	0.89793	6.58E-04	1.37E-05	1.54E-05	6.88E-04
27	UCART1	587352.4	4092901.55	587352.41, 4092901.55	0.53282	0.65685	0.81493	5.93E-04	1.07E-05	1.40E-05	6.17E-04
28	UCART1	587387.4	4092901.55	587387.41, 4092901.55	0.47622	0.53	0.73775	5.30E-04	8.60E-06	1.27E-05	5.51E-04
29	UCART1	587457.4	4092901.55	587457.41, 4092901.55	0.36935	0.35714	0.57837	4.11E-04	5.80E-06	9.94E-06	4.27E-04
30	UCART1	587492.4	4092901.55	587492.41, 4092901.55	0.3303	0.29223	0.49007	3.67E-04	4.74E-06	8.42E-06	3.81E-04
31	UCART1	586897.4	4092936.55	586897.41, 4092936.55	0.43602	0.71875	6.03914	4.85E-04	1.17E-05	1.04E-04	6.00E-04
32	UCART1	586932.4	4092936.55	586932.41, 4092936.55	0.49065	0.88544	4.78478	5.46E-04	1.44E-05	8.22E-05	6.42E-04
33	UCART1	586967.4	4092936.55	586967.41, 4092936.55	0.54729	1.13112	3.95024	6.09E-04	1.84E-05	6.79E-05	6.95E-04
34	UCART1	587002.4	4092936.55	587002.41, 4092936.55	0.61354	1.5514	3.46518	6.82E-04	2.52E-05	5.96E-05	7.67E-04
35	UCART1	587037.4	4092936.55	587037.41, 4092936.55	0.67649	2.27279	2.97019	7.52E-04	3.69E-05	5.10E-05	8.40E-04
36	UCART1	587072.4	4092936.55	587072.41, 4092936.55	0.73869	3.74526	2.57191	8.22E-04	6.08E-05	4.42E-05	9.27E-04
37	UCART1	587107.4	4092936.55	587107.41, 4092936.55	0.79721	7.68151	2.24728	8.87E-04	1.25E-04	3.86E-05	1.05E-03
38	UCART1	587177.4	4092936.55	587177.41, 4092936.55	0.88267	10.5288	1.74644	9.82E-04	1.71E-04	3.00E-05	1.18E-03
39	UCART1	587212.4	4092936.55	587212.41, 4092936.55	0.88284	3.97676	1.55126	9.82E-04	6.46E-05	2.67E-05	1.07E-03
40	UCART1	587247.4	4092936.55	587247.41, 4092936.55	0.84043	2.0944	1.38064	9.35E-04	3.40E-05	2.37E-05	9.92E-04
41	UCART1	587282.4	4092936.55	587282.41, 4092936.55	0.76902	1.34324	1.23426	8.55E-04	2.18E-05	2.12E-05	8.98E-04
42	UCART1	587317.4	4092936.55	587317.41, 4092936.55	0.68599	0.95697	1.10454	7.63E-04	1.55E-05	1.90E-05	7.97E-04
43	UCART1	587352.4	4092936.55	587352.41, 4092936.55	0.60437	0.72643	0.98785	6.72E-04	1.18E-05	1.70E-05	7.01E-04
44	UCART1	587387.4	4092936.55	587387.41, 4092936.55	0.52961	0.57509	0.88187	5.89E-04	9.34E-06	1.52E-05	6.14E-04
45	UCART1	587422.4	4092936.55	587422.41, 4092936.55	0.46168	0.4685	0.78248	5.13E-04	7.61E-06	1.34E-05	5.35E-04
46	UCART1	587457.4	4092936.55	587457.41, 4092936.55	0.40303	0.39089	0.6942	4.48E-04	6.35E-06	1.19E-05	4.67E-04
47	UCART1	587492.4	4092936.55	587492.41, 4092936.55	0.35221	0.312	0.57658	3.92E-04	5.07E-06	9.91E-06	4.07E-04
48	UCART1	586862.4	4092971.55	586862.41, 4092971.55	0.44452	0.66993	10.3009	4.94E-04	1.09E-05	1.77E-04	6.82E-04
49	UCART1	586967.4	4092971.55	586967.41, 4092971.55	0.67753	1.37295	8.9115	7.54E-04	2.23E-05	1.53E-04	9.29E-04
50	UCART1	587002.4	4092971.55	587002.41, 4092971.55	0.77082	1.92868	6.73265	8.57E-04	3.13E-05	1.16E-04	1.00E-03
51	UCART1	587037.4	4092971.55	587037.41, 4092971.55	0.86673	2.93944	5.22254	9.64E-04	4.77E-05	8.98E-05	1.10E-03
52	UCART1	587072.4	4092971.55	587072.41, 4092971.55	0.96192	5.1718	4.19695	1.07E-03	8.40E-05	7.21E-05	1.23E-03
53	UCART1	587107.4	4092971.55	587107.41, 4092971.55	1.05096	11.7372	3.4479	1.17E-03	1.91E-04	5.93E-05	1.42E-03
54	UCART1	587177.4	4092971.55	587177.41, 4092971.55	1.16032	10.2463	2.45452	1.29E-03	1.66E-04	4.22E-05	1.50E-03
55	UCART1	587212.4	4092971.55	587212.41, 4092971.55	1.13121	4.65549	2.10928	1.26E-03	7.56E-05	3.63E-05	1.37E-03
56	UCART1	587247.4	4092971.55	587247.41, 4092971.55	1.0408	2.5113	1.82852	1.16E-03	4.08E-05	3.14E-05	1.23E-03
57	UCART1	587282.4	4092971.55	587282.41, 4092971.55	0.9209	1.5682	1.59929	1.02E-03	2.55E-05	2.75E-05	1.08E-03
58	UCART1	587317.4	4092971.55	587317.41, 4092971.55	0.79745	1.08477	1.40351	8.87E-04	1.76E-05	2.41E-05	9.29E-04
59	UCART1	587352.4	4092971.55	587352.41, 4092971.55	0.68392	0.80387	1.23231	7.61E-04	1.31E-05	2.12E-05	7.95E-04
60	UCART1	587387.4	4092971.55	587387.41, 4092971.55	0.58427	0.62502	1.08066	6.50E-04	1.01E-05	1.86E-05	6.79E-04
61	UCART1	587422.4	4092971.55	587422.41, 4092971.55	0.49815	0.50243	0.9437	5.54E-04	8.16E-06	1.62E-05	5.78E-04
62	UCART1	587492.4	4092971.55	587492.41, 4092971.55	0.36648	0.33142	0.68251	4.08E-04	5.38E-06	1.17E-05	4.25E-04
63	UCART1	586827.4	4093006.55	586827.41, 4093006.55	0.44355	0.61363	2.81338	4.93E-04	9.96E-06	4.84E-05	5.52E-04
64	UCART1	586862.4	4093006.55	586862.41, 4093006.55	0.51785	0.75013	5.90924	5.76E-04	1.22E-05	1.02E-04	6.90E-04
65	UCART1	586897.4	4093006.55	586897.41, 4093006.55	0.60906	0.93957	12.7893	6.77E-04	1.53E-05	2.20E-04	9.12E-04
66	UCART1	586932.4	4093006.55	586932.41, 4093006.55	0.71891	1.21191	22.1132	8.00E-04	1.97E-05	3.80E-04	1.20E-03
67	UCART1	587037.4	4093006.55	587037.41, 4093006.55	1.15151	3.69947	12.2094	1.28E-03	6.01E-05	2.10E-04	1.55E-03
68	UCART1	587072.4	4093006.55	587072.41, 4093006.55	1.31019	6.91059	8.47736	1.46E-03	1.12E-04	1.46E-04	1.72E-03
69	UCART1	587142.4	4093006.55	587142.41, 4093006.55	1.56686	20.4824	4.74961	1.74E-03	3.33E-04	8.16E-05	2.16E-03
70	UCART1	587177.4	4093006.55	587177.41, 4093006.55	1.58811	9.04521	3.78701	1.77E-03	1.47E-04	6.51E-05	1.98E-03
71	UCART1	587212.4	4093006.55	587212.41, 4093006.55	1.48844	4.70461	3.09041	1.66E-03	7.64E-05	5.31E-05	1.78E-03
72	UCART1	587247.4	4093006.55	587247.41, 4093006.55	1.30705	2.73659	2.57429	1.45E-03	4.44E-05	4.42E-05	1.54E-03
73	UCART1	587282.4	4093006.55	587282.41, 4093006.55	1.10699	1.74822	2.17945	1.23E-03	2.84E-05	3.75E-05	1.30E-03
74	UCART1	587317.4	4093006.55	587317.41, 4093006.55	0.92341	1.20348	1.86231	1.03E-03	1.95E-05	3.20E-05	1.08E-03
75	UCART1	587352.4	4093006.55	587352.41, 4093006.55	0.76605	0.88175	1.596	8.52E-04	1.43E-05	2.74E-05	8.94E-04
76	UCART1	587387.4	4093006.55	587387.41, 4093006.55	0.63579	0.67718	1.36842	7.07E-04	1.10E-05	2.35E-05	7.42E-04
77	UCART1	587422.4	4093006.55	587422.41, 4093006.55	0.52984	0.5381	1.17079	5.89E-04	8.74E-06	2.01E-05	6.18E-04
78	UCART1	587492.4	4093006.55	587492.41, 4093006.55	0.36578	0.3479	0.80117	4.07E-04	5.65E-06	1.38E-05	4.26E-04
79	UCART1	586827.4	4093041.55	586827.41, 4093041.55	0.51372	0.6749	2.20579	5.71E-04	1.10E-05	3.79E-05	6.20E-04
80	UCART1	586862.4	4093041.55	586862.41, 4093041.55	0.60885	0.83208	3.67618	6.77E-04	1.35E-05	6.32E-05	7.54E-04
81	UCART1	586897.4	4093041.55	586897.41, 4093041.55	0.73246	1.05705	6.35637	8.15E-04	1.72E-05	1.09E-04	9.41E-04
82	UCART1	586932.4	4093041.55	586932.41, 4093041.55	0.88828	1.3854	9.88714	9.88E-04	2.25E-05	1.70E-04	1.18E-03
83	UCART1	586967.4	4093041.55	586967.41, 4093041.55	1.08327	1.90051	13.849	1.20E-03	3.09E-05	2.38E-04	1.47E-03
84	UCART1	587002.4	4093041.55	587002.41, 4093041.55	1.32222	2.79947	18.9315	1.47E-03	4.54E-05	3.25E-04	1.84E-03
85	UCART1	587037.4	4093041.55	587037.41, 4093041.55	1.60053	4.60828	19.4756	1.78E-03	7.48E-05	3.35E-04	2.19E-03
86	UCART1	587142.4	4093041.55	587142.41, 4093041.55	2.34516	15.7797	9.84952	2.61E-03	2.56E-04	1.69E-04	3.03E-03
87	UCART1	587177.4	4093041.55	587177.41, 4093041.55	2.29157	7.84701	6.91311	2.55E-03	1.27E-04	1.19E-04	2.79E-03
88	UCART1	587212.4	4093041.55	587212.41, 4093041.55	2.01465	4.47803	5.12946	2.24E-03	7.27E-05	8.82E-05	2.40E-03
89	UCART1	587247.4	4093041.55	587247.41, 4093041.55	1.6574	2.78336	3.99867	1.84E-03	4.52E-05	6.87E-05	1.96E-03
90	UCART1	587282.4	4093041.55	587282.41, 4093041.55	1.32651	1.84803	3.21349	1.48E-03	3.00E-05	5.52E-05	1.56E-03
91	UCART1	587317.4	4093041.55	587317.41, 4093041.55	1.05664	1.29393	2.63516	1.18E-03	2.10E-05	4.53E-05	1.24E-03
92	UCART1	587352.4	4093041.55	587352.41, 4093041.55	0.84506	0.95098	2.18266	9.40E-04	1.54E-05	3.75E-05	9.93E-04
93	UCART1	587387.4	4093041.55	587387.41, 4093041.55	0.68209	0.72706	1.81598	7.59E-04	1.18E-05	3.12E-05	8.02E-04
94	UCART1	587422.4	4093041.55	587422.41, 4093041.55	0.55721	0.57351	1.51018	6.20E-04	9.31E-06	2.60E-05	6.55E-04
95	UCART1	587457.4	4093041.55	587457.41, 4093041.55	0.45875	0.46361	1.22984	5.10E-04	7.53E-06	2.11E-05	5.39E-04
96	UCART1	586827.4	4093076.55	586827.41, 4093076.55	0.59785	0.73723	1.72075	6.65E-04	1.20E-05	2.96E-05	7.06E-04
97	UCART1	586862.4	4093076.55	586862.41, 4093076.55	0.72345	0.91941	2.56248	8.05E-04	1.49E-05	4.40E-05	8.64E-04
98	UCART1	586897.4	4093076.55	586897.41, 4093076.55	0.8914	1.18173	3.83977	9.91E-04	1.92E-05	6.60E-05	1.08E-03
99	UCART1	586932.4	4093076.55	586932.41, 4093076.55	1.11517	1.57382	5.43928	1.24E-03	2.55E-05	9.35E-05	1.36E-03
100	UCART1	586967.4	4093076.55	586967.41, 4093076.55	1.41614	2.20093	7.29019	1.57E-03	3.57E-05	1.25E-04	1.74E-03
101	UCART1	587002.4	4093076.55	587002.41, 4093076.55	1.82127	3.33469	9.49334	2.03E-03	5.41E-05	1.63E-04	2.24E-03
102	UCART1	587037.4	4093076.55	587037.41, 4093076.55	2.35507	5.76161	12.3233	2.62E-03	9.35E-05	2.12E-04	2.92E-03
103	UCART1	587072.4	4093076.55	587072.41, 4093076.55	3.00519	12.5673	16.2826	3.34E-03	2.04E-04	2.80E-04	3.83E-03
104	UCART1	587177.4	4093076.55	587177.41, 4093076.55	3.54366	6.83765	14.3374	3.94E-03	1.11E-04	2.46E-04	4.30E-03
105	UCART1	587212.4	4093076.55	587212.41, 4093076.55	2.80062	4.16284	10.8519	3.11E-03	6.76E-05	1.87E-04	3.37E-03
106	UCART1	587247.4	4093076.55	587247.41, 4093076.55	2.09921	2.72261	7.41122	2.33E-03	4.42E-05	1.27E-04	2.51E-03
107	UCART1	587282.4	4093076.55	587282.41, 4093076.55	1.56867	1.87525	5.41606	1.74E-03	3.04E-05	9.31E-05	1.87E-03
108	UCART1	587317.4	4093076.55	587317.41, 4093076.55	1.18988	1.34589	4.13825	1.32E-03	2.18E-05	7.11E-05	1.42E-03
109	UCART1	587352.4	4093076.55	587352.41, 4093076.55	0.92006	1.00211	3.24659	1.02E-03	1.63E-05	5.58E-05	1.10E-03
110	UCART1	587387.4	4093076.55	587387.41, 4093076.55	0.72555	0.76907	2.57748	8.07E-04	1.25E-05	4.43E-05	8.64E-04
111	UCART1	587422.4	4093076.55	587422.41, 4093076.55	0.58332	0.60569	2.04778	6.49E-04	9.83E-06	3.52E-05	6.94E-04
112	UCART1	587457.4	4093076.55	587457.41, 4093076.55	0.47859	0.48853	1.62013	5.32E-04	7.93E-06	2.78E-05	5.68E-04
113	UCART1	587492.4	4093076.55	587492.41, 4093076.55	0.40084	0.40117	1.27011	4.46E-04	6.51E-06	2.18E-05	4.74E-04
114	UCART1	586792.4	4093111.55	586792.41, 4093111.55	0.5717	0.6504	1.01117	6.36E-04	1.06E-05	1.74E-05	6.64E-04
115	UCART1	586827.4	4093111.55	586827.41, 4093111.55	0.69439	0.80116	1.3725	7.72E-04	1.30E-05	2.36E-05	8.09E-04
116	UCART1	586862.4	4093111.55	586862.41, 4093111.55	0.86017	1.01115	1.89443	9.57E-04	1.64E-05	3.26E-05	1.01E-03
117	UCART1	586897.4	4093111.55	586897.41, 4093111.55	1.0889	1.31403	2.60507	1.21E-03	2.13E-05	4.48E-05	1.28E-03
118	UCART1	586932.4	4093111.55	586932.41, 4093111.55	1.41352	1.77699	3.47705	1.57E-03	2.88E-05	5.98E-05	1.66E-03
119	UCART1	586967.4	4093111.55	586967.41, 4093111.55	1.88739	2.54202	4.4704	2.10E-03	4.13E-05	7.68E-05	2.22E-03
120	UCART1	587002.4	4093111.55	587002.41, 4093111.55	2.60212	3.9835	5.61473	2.89E-03	6.47E-05	9.65E-05	3.06E-03
121	UCART1	587037.4	4093111.55	587037.41, 4093111.55	3.71933	7.28934	6.98963	4.14E-03	1.18E-04	1.20E-04	4.37E-03
122	UCART1	587107.4	4093111.55	587107.41, 4093111.55	7.64745	21.9173	11.3231	8.51E-03	3.56E-04	1.95E-04	9.06E-03
123	UCART1	587142.4	4093111.55	587142.41, 4093111.55	7.92941	10.3829	15.2053	8.82E-03	1.69E-04	2.61E-04	9.25E-03
124	UCART1	587177.4	4093111.55	587177.41, 4093111.55	6.002	5.99174	21.2923	6.68E-03	9.73E-05	3.66E-04	7.14E-03

	Residential Dose					Risk by Age Group					
	3rd Tri	0<2	2<9	9<16	16<30	3rd Tri	0<2	2<9	9<16	16<30	Total Risk
1	1.5E-07	4.5E-07	2.6E-07	2.3E-07	1.1E-07	5.8E-09	1.4E-07	3.1E-09	0.0E+00	0.0E+00	1.5E-07
2	1.6E-07	4.9E-07	2.8E-07	2.5E-07	1.2E-07	6.3E-09	1.5E-07	3.3E-09	0.0E+00	0.0E+00	1.6E-07
3	1.7E-07	5.2E-07	3.0E-07	2.7E-07	1.2E-07	6.7E-09	1.6E-07	3.5E-09	0.0E+00	0.0E+00	1.7E-07
4	1.9E-07	5.6E-07	3.3E-07	3.0E-07	1.4E-07	7.3E-09	1.8E-07	3.9E-09	0.0E+00	0.0E+00	1.9E-07
5	2.0E-07	6.1E-07	3.5E-07	3.2E-07	1.5E-07	7.9E-09	1.9E-07	4.1E-09	0.0E+00	0.0E+00	2.0E-07
6	2.2E-07	6.5E-07	3.8E-07	3.4E-07	1.6E-07	8.5E-09	2.0E-07	4.4E-09	0.0E+00	0.0E+00	2.2E-07
7	2.3E-07	6.9E-07	4.0E-07	3.6E-07	1.7E-07	9.0E-09	2.2E-07	4.7E-09	0.0E+00	0.0E+00	2.3E-07
8	2.4E-07	7.2E-07	4.2E-07	3.8E-07	1.7E-07	9.4E-09	2.3E-07	4.9E-09	0.0E+00	0.0E+00	2.4E-07
9	2.4E-07	7.2E-07	4.2E-07	3.8E-07	1.7E-07	9.3E-09	2.3E-07	4.9E-09	0.0E+00	0.0E+00	2.4E-07
10	2.3E-07	7.0E-07	4.1E-07	3.7E-07	1.7E-07	9.2E-09	2.2E-07	4.8E-09	0.0E+00	0.0E+00	2.4E-07
11	2.2E-07	6.7E-07	3.9E-07	3.5E-07	1.6E-07	8.7E-09	2.1E-07	4.6E-09	0.0E+00	0.0E+00	2.2E-07
12	2.1E-07	6.2E-07	3.6E-07	3.3E-07	1.5E-07	8.1E-09	2.0E-07	4.3E-09	0.0E+00	0.0E+00	2.1E-07
13	1.9E-07	5.7E-07	3.3E-07	3.0E-07	1.4E-07	7.4E-09	1.8E-07	3.9E-09	0.0E+00	0.0E+00	1.9E-07
14	1.7E-07	5.2E-07	3.0E-07	2.7E-07	1.2E-07	6.7E-09	1.6E-07	3.5E-09	0.0E+00	0.0E+00	1.7E-07
15	1.4E-07	4.3E-07	2.5E-07	2.3E-07	1.0E-07	5.6E-09	1.4E-07	3.0E-09	0.0E+00	0.0E+00	1.4E-07
16	1.6E-07	4.9E-07	2.8E-07	2.6E-07	1.2E-07	6.4E-09	1.5E-07	3.3E-09	0.0E+00	0.0E+00	1.6E-07
17	1.8E-07	5.4E-07	3.1E-07	2.8E-07	1.3E-07	7.0E-09	1.7E-07	3.7E-09	0.0E+00	0.0E+00	1.8E-07
18	1.9E-07	5.9E-07	3.4E-07	3.1E-07	1.4E-07	7.6E-09	1.8E-07	4.0E-09	0.0E+00	0.0E+00	2.0E-07
19	2.1E-07	6.4E-07	3.7E-07	3.4E-07	1.5E-07	8.3E-09	2.0E-07	4.4E-09	0.0E+00	0.0E+00	2.1E-07
20	2.3E-07	7.0E-07	4.0E-07	3.7E-07	1.7E-07	9.1E-09	2.2E-07	4.7E-09	0.0E+00	0.0E+00	2.3E-07
21	2.5E-07	7.6E-07	4.4E-07	4.0E-07	1.8E-07	9.8E-09	2.4E-07	5.2E-09	0.0E+00	0.0E+00	2.5E-07
22	2.8E-07	8.3E-07	4.8E-07	4.4E-07	2.0E-07	1.1E-08	2.6E-07	5.7E-09	0.0E+00	0.0E+00	2.8E-07
23	3.0E-07	9.0E-07	5.2E-07	4.7E-07	2.2E-07	1.2E-08	2.8E-07	6.2E-09	0.0E+00	0.0E+00	3.0E-07
24	3.1E-07	9.4E-07	5.5E-07	4.9E-07	2.3E-07	1.2E-08	3.0E-07	6.4E-09	0.0E+00	0.0E+00	3.1E-07
25	2.8E-07	8.5E-07	4.9E-07	4.4E-07	2.0E-07	1.1E-08	2.7E-07	5.8E-09	0.0E+00	0.0E+00	2.8E-07
26	2.4E-07	7.2E-07	4.2E-07	3.8E-07	1.7E-07	9.3E-09	2.3E-07	4.9E-09	0.0E+00	0.0E+00	2.4E-07
27	2.1E-07	6.5E-07	3.7E-07	3.4E-07	1.5E-07	8.4E-09	2.0E-07	4.4E-09	0.0E+00	0.0E+00	2.2E-07
28	1.9E-07	5.8E-07	3.3E-07	3.0E-07	1.4E-07	7.5E-09	1.8E-07	3.9E-09	0.0E+00	0.0E+00	1.9E-07
29	1.5E-07	4.5E-07	2.6E-07	2.3E-07	1.1E-07	5.8E-09	1.4E-07	3.0E-09	0.0E+00	0.0E+00	1.5E-07
30	1.3E-07	4.0E-07	2.3E-07	2.1E-07	9.5E-08	5.2E-09	1.2E-07	2.7E-09	0.0E+00	0.0E+00	1.3E-07
31	2.1E-07	6.3E-07	3.6E-07	3.3E-07	1.5E-07	8.2E-09	2.0E-07	4.3E-09	0.0E+00	0.0E+00	2.1E-07
32	2.2E-07	6.7E-07	3.9E-07	3.5E-07	1.6E-07	8.7E-09	2.1E-07	4.6E-09	0.0E+00	0.0E+00	2.2E-07
33	2.4E-07	7.3E-07	4.2E-07	3.8E-07	1.7E-07	9.5E-09	2.3E-07	5.0E-09	0.0E+00	0.0E+00	2.4E-07
34	2.7E-07

125	UCART1	587212.4	4093111.55	587212.41, 4093111.55	3.94233	3.83451	15.1736	4.38E-03	6.23E-05	2.61E-04	4.71E-03	1.6E-06	4.9E-06	2.8E-06	2.6E-06	1.2E-06	6.4E-08	1.5E-06	3.4E-08	0.0E+00	0.0E+00	1.6E-06
126	UCART1	587282.4	4093111.55	587282.41, 4093111.55	1.82827	1.85241	11.8589	2.03E-03	3.01E-05	2.04E-04	2.27E-03	7.8E-07	2.4E-06	1.4E-06	1.2E-06	5.7E-07	3.1E-08	7.4E-07	1.6E-08	0.0E+00	0.0E+00	7.9E-07
127	UCART1	587317.4	4093111.55	587317.41, 4093111.55	1.32793	1.36148	7.85154	1.48E-03	2.21E-05	1.35E-04	1.63E-03	5.7E-07	1.7E-06	9.9E-07	9.0E-07	4.1E-07	2.2E-08	5.4E-07	1.2E-08	0.0E+00	0.0E+00	5.7E-07
128	UCART1	587352.4	4093111.55	587352.41, 4093111.55	0.99677	1.03204	5.44982	1.11E-03	1.68E-05	9.37E-05	1.22E-03	4.2E-07	1.3E-06	7.4E-07	6.7E-07	3.1E-07	1.7E-08	4.0E-07	8.7E-09	0.0E+00	0.0E+00	4.3E-07
129	UCART1	587387.4	4093111.55	587387.41, 4093111.55	0.77402	0.79896	4.07405	8.61E-04	1.30E-05	7.00E-05	9.44E-04	3.3E-07	9.9E-07	5.7E-07	5.2E-07	2.4E-07	1.3E-08	3.1E-07	6.7E-09	0.0E+00	0.0E+00	3.3E-07
130	UCART1	587422.4	4093111.55	587422.41, 4093111.55	0.61767	0.63225	3.1175	6.87E-04	1.03E-05	5.36E-05	7.51E-04	2.6E-07	7.8E-07	4.5E-07	4.1E-07	1.9E-07	1.0E-08	2.5E-07	5.4E-09	0.0E+00	0.0E+00	2.6E-07
131	UCART1	587457.4	4093111.55	587457.41, 4093111.55	0.50367	0.51044	2.32545	5.60E-04	8.29E-06	4.00E-05	6.08E-04	2.1E-07	6.4E-07	3.7E-07	3.3E-07	1.5E-07	8.3E-09	2.0E-07	4.3E-09	0.0E+00	0.0E+00	2.1E-07
132	UCART1	587492.4	4093111.55	587492.41, 4093111.55	0.41868	0.41975	1.64909	4.66E-04	6.81E-06	2.83E-05	5.01E-04	1.7E-07	5.2E-07	3.0E-07	2.7E-07	1.3E-07	6.8E-09	1.6E-07	3.6E-09	0.0E+00	0.0E+00	1.7E-07
133	UCART1	586792.4	4093146.55	586792.41, 4093146.55	0.64229	0.69693	0.86302	7.14E-04	1.13E-05	1.48E-05	7.40E-04	2.6E-07	7.7E-07	4.5E-07	4.1E-07	1.9E-07	1.0E-08	2.4E-07	5.3E-09	0.0E+00	0.0E+00	2.6E-07
134	UCART1	586827.4	4093146.55	586827.41, 4093146.55	0.79417	0.8658	1.11888	8.83E-04	1.41E-05	1.92E-05	9.17E-04	3.2E-07	9.6E-07	5.5E-07	5.0E-07	2.3E-07	1.2E-08	3.0E-07	6.5E-09	0.0E+00	0.0E+00	3.2E-07
135	UCART1	586862.4	4093146.55	586862.41, 4093146.55	1.00655	1.10534	1.463	1.12E-03	1.79E-05	2.51E-05	1.16E-03	4.0E-07	1.2E-06	7.0E-07	6.4E-07	2.9E-07	1.6E-08	3.8E-07	8.3E-09	0.0E+00	0.0E+00	4.1E-07
136	UCART1	586897.4	4093146.55	586897.41, 4093146.55	1.3118	1.45578	1.90707	1.46E-03	2.36E-05	3.28E-05	1.52E-03	5.2E-07	1.6E-06	9.2E-07	8.3E-07	3.8E-07	2.1E-08	5.0E-07	1.1E-08	0.0E+00	0.0E+00	5.3E-07
137	UCART1	586932.4	4093146.55	586932.41, 4093146.55	1.77093	2.00374	2.43939	1.97E-03	3.25E-05	4.19E-05	2.04E-03	7.1E-07	2.1E-06	1.2E-06	1.1E-06	5.1E-07	2.8E-08	6.7E-07	1.5E-08	0.0E+00	0.0E+00	7.1E-07
138	UCART1	586967.4	4093146.55	586967.41, 4093146.55	2.4985	2.93945	3.04048	2.78E-03	4.77E-05	5.23E-05	2.88E-03	1.0E-06	3.0E-06	1.7E-06	1.6E-06	7.2E-07	3.9E-08	9.5E-07	2.1E-08	0.0E+00	0.0E+00	1.0E-06
139	UCART1	587002.4	4093146.55	587002.41, 4093146.55	3.7414	4.79436	3.72007	4.16E-03	7.78E-05	6.39E-05	4.30E-03	1.5E-06	4.5E-06	2.6E-06	2.4E-06	1.1E-06	5.9E-08	1.4E-06	3.1E-08	0.0E+00	0.0E+00	1.5E-06
140	UCART1	587037.4	4093146.55	587037.41, 4093146.55	6.1315	9.42213	4.50133	6.82E-03	1.53E-04	7.74E-05	7.05E-03	2.4E-06	7.4E-06	4.3E-06	3.9E-06	1.8E-06	9.6E-08	2.3E-06	5.0E-08	0.0E+00	0.0E+00	2.5E-06
141	UCART1	587212.4	4093146.55	587212.41, 4093146.55	5.54467	3.52049	14.3129	6.17E-03	5.72E-05	2.46E-04	6.47E-03	2.2E-06	6.8E-06	3.9E-06	3.5E-06	1.6E-06	8.8E-08	2.1E-06	4.6E-08	0.0E+00	0.0E+00	2.3E-06
142	UCART1	587247.4	4093146.55	587247.41, 4093146.55	3.26423	2.47071	19.7939	3.63E-03	4.01E-05	3.40E-04	4.01E-03	1.4E-06	4.2E-06	2.4E-06	2.2E-06	1.0E-06	5.5E-08	1.3E-06	2.9E-08	0.0E+00	0.0E+00	1.4E-06
143	UCART1	587282.4	4093146.55	587282.41, 4093146.55	2.13056	1.79941	20.4512	2.37E-03	2.92E-05	3.51E-04	2.75E-03	9.5E-07	2.9E-06	1.7E-06	1.5E-06	6.9E-07	3.7E-08	9.0E-07	2.0E-08	0.0E+00	0.0E+00	9.6E-07
144	UCART1	587352.4	4093146.55	587352.41, 4093146.55	1.09474	1.0409	12.6224	1.22E-03	1.69E-05	2.17E-04	1.45E-03	5.0E-07	1.5E-06	8.8E-07	8.0E-07	3.6E-07	2.0E-08	4.8E-07	1.0E-08	0.0E+00	0.0E+00	5.1E-07
145	UCART1	587387.4	4093146.55	587387.41, 4093146.55	0.83727	0.81289	8.27988	9.31E-04	1.32E-05	1.42E-04	1.09E-03	3.8E-07	1.1E-06	6.6E-07	6.0E-07	2.7E-07	1.5E-08	3.6E-07	7.7E-09	0.0E+00	0.0E+00	3.8E-07
146	UCART1	587422.4	4093146.55	587422.41, 4093146.55	0.6603	0.64825	5.80143	7.34E-04	1.05E-05	9.97E-05	8.45E-04	2.9E-07	8.8E-07	5.1E-07	4.6E-07	2.1E-07	1.1E-08	2.8E-07	6.0E-09	0.0E+00	0.0E+00	2.9E-07
147	UCART1	587457.4	4093146.55	587457.41, 4093146.55	0.53434	0.52735	3.82036	5.94E-04	8.56E-06	6.57E-05	6.68E-04	2.3E-07	7.0E-07	4.0E-07	3.7E-07	1.7E-07	9.1E-09	2.2E-07	4.8E-09	0.0E+00	0.0E+00	2.3E-07
148	UCART1	587492.4	4093146.55	587492.41, 4093146.55	0.44157	0.43477	2.26402	4.91E-04	7.06E-06	3.89E-05	5.37E-04	1.9E-07	5.6E-07	3.2E-07	2.9E-07	1.3E-07	7.3E-09	1.8E-07	3.8E-09	0.0E+00	0.0E+00	1.9E-07
149	UCART1	586757.4	4093181.55	586757.41, 4093181.55	0.5717	0.60414	0.59894	6.36E-04	9.81E-06	1.03E-05	6.56E-04	2.3E-07	6.9E-07	4.0E-07	3.6E-07	1.6E-07	8.9E-09	2.2E-07	4.7E-09	0.0E+00	0.0E+00	2.3E-07
150	UCART1	586792.4	4093181.55	586792.41, 4093181.55	0.70234	0.74252	0.74257	7.81E-04	1.21E-05	1.28E-05	8.06E-04	2.8E-07	8.4E-07	4.9E-07	4.4E-07	2.0E-07	1.1E-08	2.6E-07	5.7E-09	0.0E+00	0.0E+00	2.8E-07
151	UCART1	586827.4	4093181.55	586827.41, 4093181.55	0.88188	0.93113	0.92978	9.81E-04	1.51E-05	1.60E-05	1.01E-03	3.5E-07	1.1E-06	6.1E-07	5.6E-07	2.5E-07	1.4E-08	3.3E-07	7.2E-09	0.0E+00	0.0E+00	3.5E-07
152	UCART1	586862.4	4093181.55	586862.41, 4093181.55	1.13967	1.20239	1.17018	1.27E-03	1.95E-05	2.01E-05	1.31E-03	4.5E-07	1.4E-06	7.9E-07	7.2E-07	3.3E-07	1.8E-08	4.3E-07	9.3E-09	0.0E+00	0.0E+00	4.6E-07
153	UCART1	586897.4	4093181.55	586897.41, 4093181.55	1.52362	1.60962	1.46664	1.69E-03	2.61E-05	2.52E-05	1.75E-03	6.0E-07	1.8E-06	1.1E-06	9.6E-07	4.4E-07	2.4E-08	5.7E-07	1.2E-08	0.0E+00	0.0E+00	6.1E-07
154	UCART1	586932.4	4093181.55	586932.41, 4093181.55	2.12672	2.25831	1.81787	2.37E-03	3.67E-05	3.12E-05	2.43E-03	8.4E-07	2.5E-06	1.5E-06	1.3E-06	6.1E-07	3.3E-08	8.0E-07	1.7E-08	0.0E+00	0.0E+00	8.5E-07
155	UCART1	586967.4	4093181.55	586967.41, 4093181.55	3.14899	3.41413	2.21248	3.50E-03	5.54E-05	3.80E-05	3.60E-03	1.2E-06	3.8E-06	2.2E-06	2.0E-06	9.0E-07	4.9E-08	1.2E-06	2.6E-08	0.0E+00	0.0E+00	1.3E-06
156	UCART1	587002.4	4093181.55	587002.41, 4093181.55	5.06431	5.84693	2.65336	5.63E-03	9.49E-05	4.56E-05	5.77E-03	2.0E-06	6.0E-06	3.5E-06	3.2E-06	1.4E-06	7.9E-08	1.9E-06	4.1E-08	0.0E+00	0.0E+00	2.0E-06
157	UCART1	587037.4	4093181.55	587037.41, 4093181.55	9.29003	12.5668	3.14244	1.03E-02	2.04E-04	5.40E-05	1.06E-02	3.7E-06	1.1E-05	6.4E-06	5.8E-06	2.7E-06	1.4E-07	3.5E-06	7.6E-08	0.0E+00	0.0E+00	3.7E-06
158	UCART1	587212.4	4093181.55	587212.41, 4093181.55	7.8773	3.22787	7.97707	8.76E-03	5.24E-05	1.37E-04	8.95E-03	3.1E-06	9.4E-06	5.4E-06	4.9E-06	2.2E-06	1.2E-07	2.9E-06	6.4E-08	0.0E+00	0.0E+00	3.1E-06
159	UCART1	587247.4	4093181.55	587247.41, 4093181.55	4.11142	2.32352	10.1499	4.57E-03	3.77E-05	1.74E-04	4.78E-03	1.7E-06	5.0E-06	2.9E-06	2.6E-06	1.2E-06	6.5E-08	1.6E-06	3.4E-08	0.0E+00	0.0E+00	1.7E-06
160	UCART1	587282.4	4093181.55	587282.41, 4093181.55	2.51564	1.72931	13.3314	2.80E-03	2.81E-05	2.29E-04	3.05E-03	1.1E-06	3.2E-06	1.8E-06	1.7E-06	7.6E-07	4.2E-08	1.0E-06	2.2E-08	0.0E+00	0.0E+00	1.1E-06
161	UCART1	587317.4	4093181.55	587317.41, 4093181.55	1.69502	1.3249	17.9499	1.89E-03	2.15E-05	3.09E-04	2.22E-03	7.7E-07	2.3E-06	1.3E-06	1.2E-06	5.5E-07	3.0E-08	7.3E-07	1.6E-08	0.0E+00	0.0E+00	7.7E-07
162	UCART1	587352.4	4093181.55	587352.41, 4093181.55	1.21698	1.03395	14.8676	1.35E-03	1.68E-05	2.56E-04	1.63E-03	5.6E-07	1.7E-06	9.8E-07	8.9E-07	4.1E-07	2.2E-08	5.3E-07	1.2E-08	0.0E+00	0.0E+00	5.7E-07
163	UCART1	587457.4	4093181.55	587457.41, 4093181.55	0.57202	0.5392	8.58672	6.36E-04	8.75E-06	1.48E-04	7.93E-04	2.7E-07	8.3E-07	4.8E-07	4.3E-07	2.0E-07	1.1E-08	2.6E-07	5.7E-09	0.0E+00	0.0E+00	2.8E-07
164	UCART1	587492.4	4093181.55	587492.41, 4093181.55	0.46904	0.44666	3.23227	5.22E-04	7.25E-06	5.56E-05	5.84E-04	2.0E-07	6.1E-07	3.5E-07	3.2E-07	1.5E-07	7.9E-09	1.9E-07	4.2E-09	0.0E+00	0.0E+00	2.0E-07
165	UCART1	586757.4	4093216.55	586757.41, 4093216.55	0.598	0.63542	0.53147	6.65E-04	1.03E-05	9.13E-06	6.85E-04	2.4E-07	7.2E-07	4.1E-07	3.8E-07	1.7E-07	9.3E-09	2.2E-07	4.9E-09	0.0E+00	0.0E+00	2.4E-07
166	UCART1	586792.4	4093216.55	586792.41, 4093216.55	0.74084	0.78668	0.64403	8.24E-04	1.28E-05	1.11E-05	8.48E-04	2.9E-07	8.9E-07	5.1E-07	4.6E-07	2.1E-07	1.2E-08	2.8E-07	6.0E-09	0.0E+00	0.0E+00	3.0E-07
167	UCART1	586827.4	4093216.55	586827.41, 4093216.55	0.94124	0.99814	0.78501	1.05E-03	1.62E-05	1.35E-05	1.08E-03	3.7E-07	1.1E-06	6.5E-07	5.9E-07	2.7E-07	1.5E-08	3.5E-07	7.7E-09	0.0E+00	0.0E+00	3.8E-07
168	UCART1	586862.4	4093216.55	586862.41, 4093216.55	1.23383	1.30685	0.95905	1.37E-03	2.12E-05	1.65E-05	1.41E-03	4.9E-07	1.5E-06	8.5E-07	7.7E-07	3.5E-07	1.9E-08	4.6E-07	1.0E-08	0.0E+00	0.0E+00	4.9E-07
169	UCART1	586897.4	4093216.55	586897.41, 4093216.55	1.67974	1.77666	1.16886	1.87E-03	2.88E-05	2.01E-05	1.92E-03	6.6E-07	2.0E-06	1.2E-06	1.1E-06	4.8E-07	2.6E-08	6.3E-07	1.4E-08	0.0E+00	0.0E+00	6.7E-07
170	UCART1	586932.4	4093216.55	586932.41, 4093216.55	2.40722	2.55193	1.41458	2.68E-03	4.14E-05	2.43E-05	2.74E-03	9.5E-07	2.9E-06	1.7E-06	1.5E-06	6.9E-07	3.7E-08	9.0E-07	2.0E-08	0.0E+00	0.0E+00	9.6E-07
171	UCART1	586967.4	4093216.55	586967.41, 4093216.55	3.70057	3.99507	1.68958	4.12E-03	6.49E-05	2.90E-05	4.21E-03	1.5E-06	4.4E-06	2.5E-06	2.3E-06	1.1E-06	5.7E-08	1.4E-06	3.0E-08	0.0E+00	0.0E+00	1.5E-06
172	UCART1	587002.4	4093216.55	587002.41, 4093216.55	6.30187	7.25962	1.99147	7.01E-03	1.18E-04	3.42E-05	7.16E-03	2.5E-06	7.5E-06	4.3E-06	3.9E-06	1.8E-06	9.7E-08	2.4E-06	5.1E-08	0.0E+00	0.0E+00	2.5E-06
173	UCART1	587037.4	4093216.55	587037.41, 4093216.55	12.6291	17.7357	2.31941	1.40E-02	2.88E-04	3.99E-05	1.44E-02	5.0E-06	1.5E-05	8.7E-06	7.9E-06	3.6E-06	2.0E-07	4.7E-06	1.0E-07	0.0E+00	0.0E+00	5.0E-06
174	UCART1	587212.4	4093216.55	587212.41, 4093216.55	10.0655	2.95763	5.07292	1.12E-02	4.80E-05	8.72E-05	1.13E-02	3.9E-06	1.2E-05	6.9E-06	6.2E-06	2.8E-06	1.5E-07	3.7E-06	8.1E-08	0.0E+00	0.0E+00	4.0E-06
175	UCART1	587247.4	4093216.55	587247.41, 4093216.55	5.06537	2.17489	6.07521	5.63E-03	3.53E-05	1.04E-04	5.77E-03	2.0E-06	6.0E-06	3.5E-06	3.2E-06	1.4E-06	7.9E-08	1.9E-06	4.1E-08	0.0E+00	0.0E+00	2.0E-06
176	UCART1	587282.4	4093216.55	587282.41, 4093216.55	2.97574	1.64892	7.41972	3.31E-03	2.68E-05	1.28E-04	3.46E-03	1.2E-06	3.6E-06	2.1E-06	1.9E-06	8.7E-07	4.7E-08	1.1E-06	2.5E-08	0.0E+00	0.0E+00	1.2E-06
177	UCART1	587317.4	4093216.55	587317.41, 4093216.55	1.9459	1.28201	9.28798	2.16E-03	2.08E-05	1.60E-04	2.34E-03	8.1E-07	2.5E-06	1.4E-06	1.3E-06	5.9E-07	3.2E-08	7.7E-07	1.7E-08	0.0E+00	0.0E+00	8.2E-07
178	UCART1	587352.4	4093216.55	587352.41, 4093216.55	1.36434	1.01656	11.1827	1.52E-03	1.65E-05	1.92E-04	1.73E-03	6.0E-07	1.8E-06	1.0E-06	9.5E-07	4.3E-07	2.3E-08	5.7E-07	1.2E-08	0.0E+00	0.0E+00	6.0E-07
179	UCART1	587387.4	4093216.55	587387.41, 4093216.55	1.01057	0.8138	14.7454	1.12E-03	1.32E-05	2.53E-04	1.39E-03	4.8E-07	1.5E-06	8.4E-07	7.6E-07	3.5E-07	1.9E-08	4.6E-07	9.9E-09	0.0E+00	0.0E+00	4.9E-07
180	UCART1	587422.4	4093216.55	587422.41, 4093216.55	0.77682	0.66176	16.7704	8.64E-04	1.07E-05	2.88E-04	1.16E-03	4.0E-07	1.2E-06	7.0E-07	6.4E-07	2.9E-07	1.6E-08	3.8E-07	8.3E-09	0.0E+00	0.0E+00	4.1E-07
181	UCART1	587457.4	4093216.55	587457.41, 4093216.55	0.61641	0.54616	13.8654	6.86E-04	8.87E-06	2.38E-04	9.33E-04	3.2E-07	9.7E-07	5.6E-07	5.1E-07	2.3E-07	1.3E-08	3.1E-07	6.7E-09	0.0E+00	0.0E+00	3.3E-07
182	UCART1	586757.4	4093251.55	586757.41, 4093251.55	0.60363	0.66374	0.47393	6.71E-04	1.08E-05	8.15E-06	6.90E-04	2.4E-07	7.2E-07	4.2E-07	3.8E-07	1.7E-07	9.4E-09	2.3E-07	4.9E-09	0.0E+00	0.0E+00	2.4E-07
183	UCART1	586792.4	4093251.55	586792.41, 4093251.55	0.75065	0.8289	0.56305	8.35E-04	1.35E-05	9.68E-06	8.58E-04	3.0E-07	9.0E-07	5.2E-07	4.7E-07	2.1E-07	1.2E-08	2.8E-07	6.1E-09	0.0E+00	0.0E+00	3.0E-07
184	UCART1	586827.4	4093251.55	586827.41, 4093251.55	0.95907	1.06435	0.67162	1.07E-03	1.73E-05	1.15E-05	1.10E-03	3.8E-07	1.1E-06	6.6E-07	6.0E-07	2.7E-07	1.5E-08	3.6E-07	7.8E-09	0.0E+00	0.0E+00	3.8E-07
185	UCART1	586862.4	4093251.55	586862.41, 4093251.55	1.26599	1.41458	0.80136	1.41E-03	2.30E-05	1.38E-05	1.44E-03	5.0E-07	1.5E-06	8.7E-07	7.9E-07	3.6E-07	2.0E-08	4.7E-07	1.0E-08	0.0E+00	0.0E+00	5.0E-07
186	UCART1	586897.4	4093251.55	586897.41, 4093251.55	1.74293	1.95995	0.95486	1.94E-03	3.18E-05	1.64E-05	1.99E-03	6.9E-07	2.1E-06	1.2E-06	1.1E-06	5.0E-07	2.7E-08	6.5E-07	1.4E-08	0.0E+00	0.0E+00	6.9E-07
187	UCART1	586932.4	4093251.55	586932.41, 4093251.55	2.54249	2.89484	1.13301	2.83E-03	4.70E-05	1.95E-05	2.89E-03	1.0E-06	3.0E-06	1.8E-06	1.6E-06	7.2E-07	3.9E-08	9.5E-07	2.1E-08	0.0E+00	0.0E+00	1.0E-06
188	UCART1	586967.4	4093251.55	586967.41, 4093251.55	4.02079	4.73212	1.33176	4.47E-03	7.68E-05	2.29E-05	4.57E-03	1.6E-06	4.8E-06	2.8E-06	2.5E-06	1.1E-06	6.2E-08	1.5E-06	3.3E-08	0.0E+00	0.0E+00	1.6E-06
189	UCART1	587002.4	4093251.55	587002.41, 4093251.55	7.20464	9.26652	1.54681	8.01E-03	1.50E-04	2.66E-05	8.19E-03	2.8E-06	8.6E-06	5.0E-06	4.5E-06	2.0E-06	1.1E-07	2.7E-06	5.8E-08	0.0E+00	0.0E+00	2.9E-06
190	UCART1	587177.4	4093251.55	587177.41, 4093251.55	24.278	3.75203	3.05701	2.70E-02	6.09E-05	5.25E-05	2.71E-02	9.4E-06	2.8E-05	1.6E-05	1.5E-05	6.8E-06	3.7E-07	8.9E-06	1.9E-07	0.0E+00	0.0E+00	9.5E-06
191	UCART1	587212.4	4093251.55	587212.41, 4093251.55	10.9373	2.70905	3.50962	1.22E-02	4.40E-05	6.03E-05	1.23E-02	4.2E-06	1.3E-05	7.4E-06	6.7E-06	3.1E-06	1.7E-07	4.0E-06	8.7E-08	0.0E+00	0.0E+00	4.3E-06
192	UCART1	587247.4	4093251.55	587247.41, 4093251.55	5.7598	2.02959	4.0399	6.41E-03	3.29E-05	6.94E-05	6.51E-03	2.3E-06	6.8E-06	3.9E-06	3.6E-06	1.6E-06	8.9E-08	2.1E-06	4.6E-08	0.0E+00	0.0E+00	2.3E-06
193	UCART1	587282.4	4093251.55	587282.41, 4093251.55	3.40542	1.56335	4.6924	3.79E-03	2.54E-05	8.06E-05	3.89E-03	1.3E-06	4.1E-06	2.4E-06	2.1E-06	9.7E-07	5.3E-08	1.3E-06	2.8E-08	0.0E+00	0.0E+00	1.4E-06
194	UCART1	587317.4	4093251.55	587317.41, 4093251.55	2.20121	1.23023	5.49108	2.45E-03	2.00E-05	9.44E-05	2.56E-03	8.9E-07	2.7E-06	1.6E-06	1.4E-06	6.4E-07	3.5E-08	8.4E-07	1.8E-08	0.0E+00	0.0E+00	8.9E-07
195	UCART1	587352.4	4093251.55	587352.41, 4093251.55	1.53028	0.9899	6.43791	1.70E-03	1.61E-05	1.11E-04	1.83E-03	6.3E-07	1.9E-06	1.1E-06	1.0E-06	4.6E-07	2.5E-08	6.0E-07	1.3E-08	0.0E+00	0.0E+00	6.4E-07
196	UCART1	587387.4	4093251.55	587387.41, 4093251.55	1.11715	0.80441	7.27787	1.24E-03	1.31E-05	1.25E-04	1.38E-03	4.8E-07	1.4E-06	8.4E-07	7.6E-07	3.5E-07	1.9E-08	4.5E-07	9.8E-09	0.0E+00	0.0E+00	4.8E-07
197	UCART1	587422.4	4093251.55	587422.41, 4093251.55	0.84696	0.65842	7.77042	9.42E-04	1.07E-05	1.34E-04	1.09E-03	3.8E-07	1.1E-06	6.6E-07	6.0E-07	2.7E-07	1.5E-08	3.6E-07	7.7E-09	0.0E+00	0.0E+00	3.8E-07
198	UCART1	587457.4	4093251.55	587457.41, 4093251.55	0.66572	0.54825	6.7227	7.40E-04	8.90E-06	1.16E-04	8.65E-04	3.0E-07	9.0E-07	5.2E-07	4.7E-07	2.2E-07	1.2E-08	2.8E-07	6.2E-09	0.0E+00	0.0E+00	3.0E-07
199	UCART1	587492.4	4093251.55	587492.41, 4093251.55	0.53543	0.4597	4.17146	5.95E-04	7.46E-06	7.17E-05	6.75E-04	2.3E-07	7.1E-07	4.1E-07	3.7E-07	1.7E-07	9.2E-09	2.2E-07	4.8E-09	0.0E+00	0.0E+00	2.4E-07
200	UCART1	586722.4	4093286.55	586722.41, 4093286.55	0.4848	0.55879	0.36516	5.39E-04	9.07E-06	6.28E-06	5.55E-04	1.9E-07	5.8E-07	3.4E-07	3.0E-07	1.4E-07	7.5E-09	1.8E-07	4.0E-09	0.0E+00	0.0E+00	1.9E-07
201	UCART1	586757.4	4093286.55	586757.41, 4093286.55	0.58907	0.68818	0.42453	6.55E-04	1.12E-05	7.30E-06	6.74E-04	2.3E-07	7.0E-07	4.1E-07	3.7E-07	1.7E-07	9.2E-09	2.2E-07	4.8E-09	0.0E+00	0.0E+00	2.4E-07
202	UCART1	586792.4	4093286.55	586792.41, 4093286.55	0.7316	0.86784	0.49603	8.14E-04	1.41E-05	8.53E-06	8.36E-04	2.9E-07	8.7E-07	5.1E-07	4.6E-07	2.1E-07	1.1E-08	2.7E-07	6.0E-09	0.0E+00	0.0E+00	2.9E-07
203	UCART1	586827.4	4093286.55	586827.41, 4093286.55	0.9334	1.12862	0.58123	1.04E-03	1.83E-05	9.99E-06	1.07E-03	3.7E-07	1.1E-06	6.5E-07	5.8E-07	2.7E-07	1.5E-08	3.5E-07	7.6E-09	0.0E+00	0.0E+00	3.7E-07
204	UCART1	586862.4	4093286.55	586862.41, 4093286.55	1.22921	1.52428	0.68062	1.37E-03	2.47E-05	1.17E-05	1.40E-03	4.9E-07	1.5E-06	8.5E-07	7.7E-07	3.5E-07	1.9E-08	4.6E-07	1.0E-08	0.0E+00	0.0E+00	4.9E-07
205	UCART1	586897.4	4093286.55	586897.41, 4093286.55	1.68922	2.16138	0.79286	1.88E-03	3.51E-05	1.36E-05	1.93E-03	6.7E-07	2.0E-06	1.2E-06	1.1E-06	4.8E-07	2.6E-08	6.3E-07	1.4E-08

264	UCART1	586827.4	4093391.55	586827.41, 4093391.55	0.73077	1.26122	0.39799	8.13E-04	2.05E-05	6.84E-06	8.40E-04	2.9E-07	8.8E-07	5.1E-07	4.6E-07	2.1E-07	1.1E-08	2.8E-07	6.0E-09	0.0E+00	0.0E+00	2.9E-07
265	UCART1	586862.4	4093391.55	586862.41, 4093391.55	0.92002	1.81354	0.44691	1.02E-03	2.94E-05	7.68E-06	1.06E-03	3.7E-07	1.1E-06	6.4E-07	5.8E-07	2.7E-07	1.4E-08	3.5E-07	7.6E-09	0.0E+00	0.0E+00	3.7E-07
266	UCART1	586897.4	4093391.55	586897.41, 4093391.55	1.19173	2.84466	0.50477	1.33E-03	4.62E-05	8.68E-06	1.38E-03	4.8E-07	1.4E-06	8.4E-07	7.6E-07	3.5E-07	1.9E-08	4.5E-07	9.8E-09	0.0E+00	0.0E+00	4.8E-07
267	UCART1	586932.4	4093391.55	586932.41, 4093391.55	1.59044	5.09058	0.5687	1.77E-03	8.26E-05	9.77E-06	1.86E-03	6.4E-07	1.9E-06	1.1E-06	1.0E-06	4.7E-07	2.5E-08	6.1E-07	1.3E-08	0.0E+00	0.0E+00	6.5E-07
268	UCART1	586967.4	4093391.55	586967.41, 4093391.55	2.19633	11.3262	0.63714	2.44E-03	1.84E-04	1.10E-05	2.64E-03	9.1E-07	2.8E-06	1.6E-06	1.4E-06	6.6E-07	3.6E-08	8.7E-07	1.9E-08	0.0E+00	0.0E+00	9.2E-07
269	UCART1	587037.4	4093391.55	587037.41, 4093391.55	4.54015	13.122	0.78661	5.05E-03	2.13E-04	1.35E-05	5.28E-03	1.8E-06	5.5E-06	3.2E-06	2.9E-06	1.3E-06	7.2E-08	1.7E-06	3.8E-08	0.0E+00	0.0E+00	1.8E-06
270	UCART1	587072.4	4093391.55	587072.41, 4093391.55	6.3646	7.24977	0.86982	7.08E-03	1.18E-04	1.49E-05	7.21E-03	2.5E-06	7.5E-06	4.4E-06	4.0E-06	1.8E-06	9.8E-08	2.4E-06	5.1E-08	0.0E+00	0.0E+00	2.5E-06
271	UCART1	587107.4	4093391.55	587107.41, 4093391.55	7.93142	4.66015	0.95599	8.82E-03	7.57E-05	1.64E-05	8.91E-03	3.1E-06	9.3E-06	5.4E-06	4.9E-06	2.2E-06	1.2E-07	2.9E-06	6.4E-08	0.0E+00	0.0E+00	3.1E-06
272	UCART1	587177.4	4093391.55	587177.41, 4093391.55	7.5091	2.45096	1.13678	8.35E-03	3.98E-05	1.95E-05	8.41E-03	2.9E-06	8.8E-06	5.1E-06	4.6E-06	2.1E-06	1.1E-07	2.8E-06	6.0E-08	0.0E+00	0.0E+00	2.9E-06
273	UCART1	587212.4	4093391.55	587212.41, 4093391.55	5.74958	1.89918	1.22575	6.39E-03	3.08E-05	2.11E-05	6.45E-03	2.2E-06	6.7E-06	3.9E-06	3.5E-06	1.6E-06	8.8E-08	2.1E-06	4.6E-08	0.0E+00	0.0E+00	2.3E-06
274	UCART1	587247.4	4093391.55	587247.41, 4093391.55	4.24482	1.51017	1.31348	4.72E-03	2.45E-05	2.26E-05	4.77E-03	1.7E-06	5.0E-06	2.9E-06	2.6E-06	1.2E-06	6.5E-08	1.6E-06	3.4E-08	0.0E+00	0.0E+00	1.7E-06
275	UCART1	587282.4	4093391.55	587282.41, 4093391.55	3.13379	1.22506	1.39896	3.49E-03	1.99E-05	2.40E-05	3.53E-03	1.2E-06	3.7E-06	2.1E-06	1.9E-06	8.8E-07	4.8E-08	1.2E-06	2.5E-08	0.0E+00	0.0E+00	1.2E-06
276	UCART1	587317.4	4093391.55	587317.41, 4093391.55	2.35195	1.01585	1.48951	2.62E-03	1.65E-05	2.56E-05	2.66E-03	9.2E-07	2.8E-06	1.6E-06	1.5E-06	6.7E-07	3.6E-08	8.7E-07	1.9E-08	0.0E+00	0.0E+00	9.3E-07
277	UCART1	587352.4	4093391.55	587352.41, 4093391.55	1.7743	0.84704	1.54577	1.97E-03	1.38E-05	2.66E-05	2.01E-03	7.0E-07	2.1E-06	1.2E-06	1.1E-06	5.0E-07	2.7E-08	6.6E-07	1.4E-08	0.0E+00	0.0E+00	7.0E-07
278	UCART1	587387.4	4093391.55	587387.41, 4093391.55	1.35	0.71022	1.55822	1.50E-03	1.15E-05	2.68E-05	1.54E-03	5.3E-07	1.6E-06	9.3E-07	8.4E-07	3.9E-07	2.1E-08	5.1E-07	1.1E-08	0.0E+00	0.0E+00	5.4E-07
279	UCART1	587422.4	4093391.55	587422.41, 4093391.55	1.04005	0.60008	1.52151	1.16E-03	9.74E-06	2.62E-05	1.19E-03	4.1E-07	1.2E-06	7.2E-07	6.5E-07	3.0E-07	1.6E-08	3.9E-07	8.5E-09	0.0E+00	0.0E+00	4.2E-07
280	UCART1	586687.4	4093426.55	586687.41, 4093426.55	0.32916	0.45362	0.23096	3.66E-04	7.36E-06	3.97E-06	3.77E-04	1.3E-07	3.9E-07	2.3E-07	2.1E-07	9.4E-08	5.1E-09	1.2E-07	2.7E-09	0.0E+00	0.0E+00	1.3E-07
281	UCART1	586722.4	4093426.55	586722.41, 4093426.55	0.38426	0.55543	0.25684	4.27E-04	9.02E-06	4.41E-06	4.41E-04	1.5E-07	4.6E-07	2.7E-07	2.4E-07	1.1E-07	6.0E-09	1.4E-07	3.1E-09	0.0E+00	0.0E+00	1.5E-07
282	UCART1	586757.4	4093426.55	586757.41, 4093426.55	0.45417	0.69907	0.28614	5.05E-04	1.13E-05	4.92E-06	5.21E-04	1.8E-07	5.4E-07	3.2E-07	2.9E-07	1.3E-07	7.1E-09	1.7E-07	3.7E-09	0.0E+00	0.0E+00	1.8E-07
283	UCART1	586792.4	4093426.55	586792.41, 4093426.55	0.54369	0.91144	0.31882	6.05E-04	1.48E-05	5.48E-06	6.25E-04	2.2E-07	6.5E-07	3.8E-07	3.4E-07	1.6E-07	8.5E-09	2.1E-07	4.5E-09	0.0E+00	0.0E+00	2.2E-07
284	UCART1	586827.4	4093426.55	586827.41, 4093426.55	0.65886	1.2471	0.35413	7.33E-04	2.02E-05	6.09E-06	7.59E-04	2.6E-07	7.9E-07	4.6E-07	4.2E-07	1.9E-07	1.0E-08	2.5E-07	5.4E-09	0.0E+00	0.0E+00	2.7E-07
285	UCART1	586862.4	4093426.55	586862.41, 4093426.55	0.8166	1.83345	0.39646	9.08E-04	2.98E-05	6.81E-06	9.45E-04	3.3E-07	9.9E-07	5.7E-07	5.2E-07	2.4E-07	1.3E-08	3.1E-07	6.7E-09	0.0E+00	0.0E+00	3.3E-07
286	UCART1	586897.4	4093426.55	586897.41, 4093426.55	1.03165	2.99955	0.44346	1.15E-03	4.87E-05	7.62E-06	1.20E-03	4.2E-07	1.3E-06	7.3E-07	6.6E-07	3.0E-07	1.6E-08	4.0E-07	8.6E-09	0.0E+00	0.0E+00	4.2E-07
287	UCART1	586932.4	4093426.55	586932.41, 4093426.55	1.33142	5.84325	0.49448	1.48E-03	9.49E-05	8.50E-06	1.58E-03	5.5E-07	1.7E-06	9.6E-07	8.7E-07	4.0E-07	2.2E-08	5.2E-07	1.1E-08	0.0E+00	0.0E+00	5.5E-07
288	UCART1	586967.4	4093426.55	586967.41, 4093426.55	1.75098	15.3786	0.54814	1.95E-03	2.50E-04	9.42E-06	2.21E-03	7.6E-07	2.3E-06	1.3E-06	1.2E-06	5.5E-07	3.0E-08	7.2E-07	1.6E-08	0.0E+00	0.0E+00	7.7E-07
289	UCART1	587002.4	4093426.55	587002.41, 4093426.55	2.33593	16.8696	0.60542	2.60E-03	2.74E-04	1.04E-05	2.88E-03	1.0E-06	3.0E-06	1.7E-06	1.6E-06	7.2E-07	3.9E-08	9.5E-07	2.1E-08	0.0E+00	0.0E+00	1.0E-06
290	UCART1	587037.4	4093426.55	587037.41, 4093426.55	3.12338	10.1978	0.66871	3.47E-03	1.66E-04	1.15E-05	3.65E-03	1.3E-06	3.8E-06	2.2E-06	2.0E-06	9.1E-07	5.0E-08	1.2E-06	2.6E-08	0.0E+00	0.0E+00	1.3E-06
291	UCART1	587072.4	4093426.55	587072.41, 4093426.55	4.04002	5.97633	0.73414	4.49E-03	9.70E-05	1.26E-05	4.60E-03	1.6E-06	4.8E-06	2.8E-06	2.5E-06	1.2E-06	6.3E-08	1.5E-06	3.3E-08	0.0E+00	0.0E+00	1.6E-06
292	UCART1	587107.4	4093426.55	587107.41, 4093426.55	4.83042	3.99684	0.80127	5.37E-03	6.49E-05	1.38E-05	5.45E-03	1.9E-06	5.7E-06	3.3E-06	3.0E-06	1.4E-06	7.4E-08	1.8E-06	3.9E-08	0.0E+00	0.0E+00	1.9E-06
293	UCART1	587177.4	4093426.55	587177.41, 4093426.55	4.91566	2.20331	0.93711	5.47E-03	3.58E-05	1.61E-05	5.52E-03	1.9E-06	5.8E-06	3.3E-06	3.0E-06	1.4E-06	7.5E-08	1.8E-06	3.9E-08	0.0E+00	0.0E+00	1.9E-06
294	UCART1	587212.4	4093426.55	587212.41, 4093426.55	4.18906	1.7341	1.00262	4.66E-03	2.82E-05	1.72E-05	4.70E-03	1.6E-06	4.9E-06	2.8E-06	2.6E-06	1.2E-06	6.4E-08	1.5E-06	3.4E-08	0.0E+00	0.0E+00	1.6E-06
295	UCART1	587247.4	4093426.55	587247.41, 4093426.55	3.38299	1.3966	1.06459	3.76E-03	2.27E-05	1.83E-05	3.80E-03	1.3E-06	4.0E-06	2.3E-06	2.1E-06	9.5E-07	5.2E-08	1.2E-06	2.7E-08	0.0E+00	0.0E+00	1.3E-06
296	UCART1	587282.4	4093426.55	587282.41, 4093426.55	2.67332	1.1446	1.12135	2.97E-03	1.86E-05	1.93E-05	3.01E-03	1.0E-06	3.1E-06	1.8E-06	1.7E-06	7.5E-07	4.1E-08	9.9E-07	2.1E-08	0.0E+00	0.0E+00	1.1E-06
297	UCART1	587317.4	4093426.55	587317.41, 4093426.55	2.11448	0.95648	1.18058	2.35E-03	1.55E-05	2.03E-05	2.39E-03	8.3E-07	2.5E-06	1.4E-06	1.3E-06	6.0E-07	3.2E-08	7.8E-07	1.7E-08	0.0E+00	0.0E+00	8.3E-07
298	UCART1	587352.4	4093426.55	587352.41, 4093426.55	1.66815	0.80794	1.2203	1.86E-03	1.31E-05	2.10E-05	1.89E-03	6.5E-07	2.0E-06	1.1E-06	1.0E-06	4.7E-07	2.6E-08	6.2E-07	1.3E-08	0.0E+00	0.0E+00	6.6E-07
299	UCART1	587387.4	4093426.55	587387.41, 4093426.55	1.31737	0.68639	1.23227	1.47E-03	1.11E-05	2.12E-05	1.50E-03	5.2E-07	1.6E-06	9.1E-07	8.2E-07	3.7E-07	2.0E-08	4.9E-07	1.1E-08	0.0E+00	0.0E+00	5.2E-07
300	UCART1	587422.4	4093426.55	587422.41, 4093426.55	1.04595	0.58619	1.21196	1.16E-03	9.52E-06	2.08E-05	1.19E-03	4.1E-07	1.2E-06	7.2E-07	6.5E-07	3.0E-07	1.6E-08	3.9E-07	8.5E-09	0.0E+00	0.0E+00	4.2E-07
301	UCART1	587457.4	4093426.55	587457.41, 4093426.55	0.80935	0.48731	1.10343	9.00E-04	7.91E-06	1.90E-05	9.27E-04	3.2E-07	9.7E-07	5.6E-07	5.1E-07	2.3E-07	1.3E-08	3.0E-07	6.6E-09	0.0E+00	0.0E+00	3.2E-07
302	UCART1	587492.4	4093426.55	587492.41, 4093426.55	0.59605	0.38944	0.92645	6.63E-04	6.32E-06	1.59E-05	6.85E-04	2.4E-07	7.2E-07	4.1E-07	3.8E-07	1.7E-07	9.3E-09	2.3E-07	4.9E-09	0.0E+00	0.0E+00	2.4E-07
303	UCART1	586687.4	4093461.55	586687.41, 4093461.55	0.31064	0.4322	0.21492	3.45E-04	7.02E-06	3.69E-06	3.56E-04	1.2E-07	3.7E-07	2.2E-07	2.0E-07	8.9E-08	4.8E-09	1.2E-07	2.5E-09	0.0E+00	0.0E+00	1.2E-07
304	UCART1	586722.4	4093461.55	586722.41, 4093461.55	0.35974	0.52713	0.23716	4.00E-04	8.56E-06	4.08E-06	4.13E-04	1.4E-07	4.3E-07	2.5E-07	2.3E-07	1.0E-07	5.6E-09	1.4E-07	2.9E-09	0.0E+00	0.0E+00	1.4E-07
305	UCART1	586757.4	4093461.55	586757.41, 4093461.55	0.42052	0.66046	0.26191	4.68E-04	1.07E-05	4.50E-06	4.83E-04	1.7E-07	5.0E-07	2.9E-07	2.6E-07	1.2E-07	6.6E-09	1.6E-07	3.4E-09	0.0E+00	0.0E+00	1.7E-07
306	UCART1	586792.4	4093461.55	586792.41, 4093461.55	0.49509	0.85732	0.28787	5.51E-04	1.39E-05	4.95E-06	5.69E-04	2.0E-07	6.0E-07	3.4E-07	3.1E-07	1.4E-07	7.7E-09	1.9E-07	4.1E-09	0.0E+00	0.0E+00	2.0E-07
307	UCART1	586827.4	4093461.55	586827.41, 4093461.55	0.59265	1.17348	0.31892	6.59E-04	1.91E-05	5.48E-06	6.84E-04	2.4E-07	7.1E-07	4.1E-07	3.7E-07	1.7E-07	9.3E-09	2.2E-07	4.9E-09	0.0E+00	0.0E+00	2.4E-07
308	UCART1	586862.4	4093461.55	586862.41, 4093461.55	0.72022	1.73395	0.35378	8.01E-04	2.81E-05	6.08E-06	8.35E-04	2.9E-07	8.7E-07	5.1E-07	4.6E-07	2.1E-07	1.1E-08	2.7E-07	6.0E-09	0.0E+00	0.0E+00	2.9E-07
309	UCART1	586897.4	4093461.55	586897.41, 4093461.55	0.88921	2.90839	0.39216	9.89E-04	4.72E-05	6.74E-06	1.04E-03	3.6E-07	1.1E-06	6.3E-07	5.7E-07	2.6E-07	1.4E-08	3.4E-07	7.4E-09	0.0E+00	0.0E+00	3.6E-07
310	UCART1	586932.4	4093461.55	586932.41, 4093461.55	1.11442	6.17557	0.43339	1.24E-03	1.00E-04	7.45E-06	1.35E-03	4.7E-07	1.4E-06	8.2E-07	7.4E-07	3.4E-07	1.8E-08	4.4E-07	9.6E-09	0.0E+00	0.0E+00	4.7E-07
311	UCART1	587002.4	4093461.55	587002.41, 4093461.55	1.79263	15.1892	0.52365	1.99E-03	2.47E-04	9.00E-06	2.25E-03	7.8E-07	2.4E-06	1.4E-06	1.2E-06	5.6E-07	3.1E-08	7.4E-07	1.6E-08	0.0E+00	0.0E+00	7.9E-07
312	UCART1	587037.4	4093461.55	587037.41, 4093461.55	2.26024	7.86287	0.57382	2.51E-03	1.28E-04	9.86E-06	2.65E-03	9.2E-07	2.8E-06	1.6E-06	1.5E-06	6.6E-07	3.6E-08	8.7E-07	1.9E-08	0.0E+00	0.0E+00	9.3E-07
313	UCART1	587072.4	4093461.55	587072.41, 4093461.55	2.77791	4.90675	0.62616	3.09E-03	7.97E-05	1.08E-05	3.18E-03	1.1E-06	3.3E-06	1.9E-06	1.7E-06	8.0E-07	4.3E-08	1.0E-06	2.3E-08	0.0E+00	0.0E+00	1.1E-06
314	UCART1	587107.4	4093461.55	587107.41, 4093461.55	3.22657	3.41571	0.67893	3.59E-03	5.55E-05	1.17E-05	3.66E-03	1.3E-06	3.8E-06	2.2E-06	2.0E-06	9.1E-07	5.0E-08	1.2E-06	2.6E-08	0.0E+00	0.0E+00	1.3E-06
315	UCART1	587142.4	4093461.55	587142.41, 4093461.55	3.46719	2.54124	0.73192	3.86E-03	4.13E-05	1.26E-05	3.91E-03	1.4E-06	4.1E-06	2.4E-06	2.1E-06	9.8E-07	5.3E-08	1.3E-06	2.8E-08	0.0E+00	0.0E+00	1.4E-06
316	UCART1	587177.4	4093461.55	587177.41, 4093461.55	3.40092	1.9731	0.78323	3.78E-03	3.20E-05	1.35E-05	3.83E-03	1.3E-06	4.0E-06	2.3E-06	2.1E-06	9.6E-07	5.2E-08	1.3E-06	2.7E-08	0.0E+00	0.0E+00	1.3E-06
317	UCART1	587212.4	4093461.55	587212.41, 4093461.55	3.08033	1.5776	0.83322	3.43E-03	2.56E-05	1.43E-05	3.47E-03	1.2E-06	3.6E-06	2.1E-06	1.9E-06	8.7E-07	4.7E-08	1.1E-06	2.5E-08	0.0E+00	0.0E+00	1.2E-06
318	UCART1	587247.4	4093461.55	587247.41, 4093461.55	2.65261	1.28789	0.87968	2.95E-03	2.09E-05	1.51E-05	2.99E-03	1.0E-06	3.1E-06	1.8E-06	1.6E-06	7.5E-07	4.1E-08	9.8E-07	2.1E-08	0.0E+00	0.0E+00	1.0E-06
319	UCART1	587282.4	4093461.55	587282.41, 4093461.55	2.21867	1.06719	0.91949	2.47E-03	1.73E-05	1.58E-05	2.50E-03	8.7E-07	2.6E-06	1.5E-06	1.4E-06	6.3E-07	3.4E-08	8.2E-07	1.8E-08	0.0E+00	0.0E+00	8.7E-07
320	UCART1	587352.4	4093461.55	587352.41, 4093461.55	1.50505	0.76228	0.97824	1.67E-03	1.24E-05	1.68E-05	1.70E-03	5.9E-07	1.8E-06	1.0E-06	9.3E-07	4.3E-07	2.3E-08	5.6E-07	1.2E-08	0.0E+00	0.0E+00	5.9E-07
321	UCART1	587387.4	4093461.55	587387.41, 4093461.55	1.23219	0.65358	0.98765	1.37E-03	1.06E-05	1.70E-05	1.40E-03	4.8E-07	1.5E-06	8.5E-07	7.7E-07	3.5E-07	1.9E-08	4.6E-07	1.0E-08	0.0E+00	0.0E+00	4.9E-07
322	UCART1	587422.4	4093461.55	587422.41, 4093461.55	1.00902	0.56526	0.97907	1.12E-03	9.18E-06	1.68E-05	1.15E-03	4.0E-07	1.2E-06	6.9E-07	6.3E-07	2.9E-07	1.6E-08	3.8E-07	8.2E-09	0.0E+00	0.0E+00	4.0E-07
323	UCART1	587457.4	4093461.55	587457.41, 4093461.55	0.8276	0.49083	0.94463	9.20E-04	7.97E-06	1.62E-05	9.45E-04	3.3E-07	9.9E-07	5.7E-07	5.2E-07	2.4E-07	1.3E-08	3.1E-07	6.7E-09	0.0E+00	0.0E+00	3.3E-07
324	UCART1	586652.4	4093496.55	586652.41, 4093496.55	0.25703	0.34164	0.18314	2.86E-04	5.55E-06	3.15E-06	2.95E-04	1.0E-07	3.1E-07	1.8E-07	1.6E-07	7.4E-08	4.0E-09	9.7E-08	2.1E-09	0.0E+00	0.0E+00	1.0E-07
325	UCART1	586687.4	4093496.55	586687.41, 4093496.55	0.29267	0.40488	0.2004	3.25E-04	6.57E-06	3.44E-06	3.36E-04	1.2E-07	3.5E-07	2.0E-07	1.8E-07	8.4E-08	4.6E-09	1.1E-07	2.4E-09	0.0E+00	0.0E+00	1.2E-07
326	UCART1	586722.4	4093496.55	586722.41, 4093496.55	0.33581	0.48971	0.21961	3.73E-04	7.95E-06	3.77E-06	3.85E-04	1.3E-07	4.0E-07	2.3E-07	2.1E-07	9.6E-08	5.2E-09	1.3E-07	2.7E-09	0.0E+00	0.0E+00	1.3E-07
327	UCART1	586757.4	4093496.55	586757.41, 4093496.55	0.38795	0.60659	0.24004	4.31E-04	9.85E-06	4.13E-06	4.45E-04	1.5E-07	4.7E-07	2.7E-07	2.4E-07	1.1E-07	6.1E-09	1.5E-07	3.2E-09	0.0E+00	0.0E+00	1.6E-07
328	UCART1	586792.4	4093496.55	586792.41, 4093496.55	0.45147	0.77729	0.26299	5.02E-04	1.26E-05	4.52E-06	5.19E-04	1.8E-07	5.4E-07	3.1E-07	2.8E-07	1.3E-07	7.1E-09	1.7E-07	3.7E-09	0.0E+00	0.0E+00	1.8E-07
329	UCART1	586827.4	4093496.55	586827.41, 4093496.55	0.53256	1.04345	0.28918	5.92E-04	1.69E-05	4.97E-06	6.14E-04	2.1E-07	6.4E-07	3.7E-07	3.4E-07	1.5E-07	8.4E-09	2.0E-07	4.4E-09	0.0E+00	0.0E+00	2.1E-07
330	UCART1	586897.4	4093496.55	586897.41, 4093496.55	0.76911	2.38962	0.34957	8.55E-04	3.88E-05	6.01E-06	9.00E-04	3.1E-07	9.4E-07	5.4E-07	4.9E-07	2.3E-07	1.2E-08	3.0E-07	6.4E-09	0.0E+00	0.0E+00	3.1E-07
331	UCART1	586932.4	4093496.55	586932.41, 4093496.55	0.93859	4.61732	0.38301	1.04E-03	7.50E-05	6.58E-06	1.13E-03	3.9E-07	1.2E-06	6.8E-07	6.2E-07	2.8E-07	1.5E-08	3.7E-07	8.0E-09	0.0E+00	0.0E+00	3.9E-07
332	UCART1	587002.4	4093496.55	587002.41, 4093496.55	1.40974	9.43132	0.45747	1.57E-03	1.53E-04	7.86E-06	1.73E-03	6.0E-07	1.8E-06	1.0E-06	9.5E-07	4.3E-07	2.4E-08	5.7E-07	1.2E-08	0.0E+00	0.0E+00	6.0E-07
333	UCART1	587107.4	4093496.55	587107.41, 4093496.55	2.29663	2.88182	0.58156	2.55E-03	4.68E-05	1.00E-05	2.61E-03	9.0E-07	2.7E-06	1.6E-06	1.4E-06	6.5E-07	3.6E-08	8.6E-07	1.9E-08	0.0E+00	0.0E+00	9.1E-07
334	UCART1	587142.4	4093496.55	587142.41, 4093496.55	2.4644	2.21117	0.62331	2.74E-03	3.59E-05	1.07E-05	2.79E-03	9.6E-07	2.9E-06	1.7E-06	1.5E-06	7.0E-07	3.8E-08	9.2E-07	2.0E-08	0.0E+00	0.0E+00	9.7E-07
335	UCART1	587177.4	4093496.55	587177.41, 4093496.55	2.46554	1.75484	0.6633	2.74E-03	2.85E-05	1.14E-05	2.78E-03	9.6E-07	2.9E-06	1.7E-06	1.5E-06	7.0E-07	3.8E-08	9.1E-07	2.0E-08	0.0E+00	0.0E+00	9.7E-07
336	UCART1	587212.4	4093496.55	587212.41, 4093496.55	2.31814	1.42725	0.70213	2.58E-03	2.32E-05	1.21E-05	2.61E-03	9.0E-07	2.7E-06	1.6E-06	1.4E-06	6.5E-07	3.6E-08	8.6E-07	1.9E-08	0.0E+00	0.0E+00	9.1E-07
337	UCART1	587247.4	4093496.55	587247.41, 4093496.55	2.08176	1.18108	0.73689	2.32E-03	1.92E-05	1.27E-05	2.35E-03	8.1E-07	2.5E-06	1.4E-06	1.3E-06	5.9E-07	3.2E-08	7.7E-07	1.7E-08	0.0E+00	0.0E+00	8.2E-07
338	UCART1	587282.4	4093496.55	587282.41, 4093496.55	1.81607	0.98988	0.76566	2.02E-03	1.61E-05	1.32E-05	2.05E-03	7.1E-07	2.1E-06	1.2E-06	1.1E-06	5.1E-07	2.8E-08	6.7E-07	1.5E-08	0.0E+00	0.0E+00	7.2E-07
339	UCART1	587352.4	4093496.55	587352.41, 4093496.55	1.32653	0.71872	0.80388	1.48E-03	1.17E-05	1.38E-05	1.50E-03	5.2E-07	1.6E-06	9.1E-07	8.2E-07	3.8E-07	2.0E-08	4.9E-07	1.1E-08	0.0E+00	0.0E+00	5.2E-07
340	UCART1	587387.4	4093496.55	587387.41, 4093496.55	1.11928	0.62	0.80779	1.24E-03	1.01E-05	1.39E-05	1.27E-03	4.4E-07	1.3E-06	7.7E-07	7.0E-07	3.2E-07	1.7E-08	4.2E-07	9.0E-09	0.0E+00	0.0E+00	4.4E-07
341	UCART1	587422.4	4093496.55	587422.41, 4093496.55	0.93876	0.5375	0.79652	1.04E-03	8.73E-06	1.37E-05	1.07E-03	3.7E-07	1.1E-06	6.5E-07	5.8E-07	2.7E-07	1.5E-08	3.5E-07	7.6E-09	0.0E+00	0.0E+00	3.7E-07
342	UCART1	587457.4	4093496.55	587457.41, 4093496.55	0.78798	0.46964	0.77282	8.76E-04	7.62E-06	1.33E-05	8.97E-04	3.1E-07	9.4E-07	5.4E-07	4.9E-07	2.2E-07	1.2E-08	2.9E-07	6.4E-09	0.0E+00	0.0E+00	3.1E-07
343	UCART1	587492.4	4093496.55	587492.41, 4093496.55	0.66341	0.41334	0.73669	7.38E-04	6.71E-06	1.27E-05	7.57E-04	2.6E-07	7.9E-07	4.6E-07	4.2E-07	1.9E-07	1.0E-08	2.5E-07	5.4E-09	0.0E+00	0.0E+00	2.6E-07
344	UCART1	586652.4	4093531.55	586652.41, 4093531.55	0.24333	0.31954	0.17209	2.71E-04	5.19E-06	2.96E-06	2.79E-04	9.6E-08	2.9E-07	1.7E-07	1.5E-07	7.0E-08	3.8E-09	9.2E-08	2.0E-09

Worker Risk

Discrete Receptor ID				Concentration [µg/m^3] at 1 g/s							Worker Dose	Worker Risk
	X	Y	X, Y	Onsite	Offsite Ocean Street	Offsite Water Street	Onsite	Offsite Ocean Street	Offsite Water Street	Total	Construction	Construction
1 UCART1	586932.41	4092866.55	586932.41, 4092866.55	0.35297	0.6252	1.4968	3.93E-04	1.01E-05	2.57E-05	4.28E-04	2.8E-07	1.0E-08
2 UCART1	586967.41	4092866.55	586967.41, 4092866.55	0.38376	0.75081	1.502	4.27E-04	1.22E-05	2.58E-05	4.65E-04	3.1E-07	1.1E-08
3 UCART1	587002.41	4092866.55	587002.41, 4092866.55	0.41046	0.91035	1.41628	4.56E-04	1.48E-05	2.43E-05	4.96E-04	3.3E-07	1.2E-08
4 UCART1	587037.41	4092866.55	587037.41, 4092866.55	0.44743	1.1811	1.36919	4.98E-04	1.92E-05	2.35E-05	5.40E-04	3.6E-07	1.3E-08
5 UCART1	587072.41	4092866.55	587072.41, 4092866.55	0.47902	1.60467	1.29287	5.33E-04	2.61E-05	2.22E-05	5.81E-04	3.8E-07	1.4E-08
6 UCART1	587107.41	4092866.55	587107.41, 4092866.55	0.50824	2.2276	1.20516	5.65E-04	3.62E-05	2.07E-05	6.22E-04	4.1E-07	1.5E-08
7 UCART1	587142.41	4092866.55	587142.41, 4092866.55	0.53553	3.02446	1.11897	5.96E-04	4.91E-05	1.92E-05	6.64E-04	4.4E-07	1.6E-08
8 UCART1	587177.41	4092866.55	587177.41, 4092866.55	0.55941	2.93474	1.03492	6.22E-04	4.76E-05	1.78E-05	6.88E-04	4.5E-07	1.6E-08
9 UCART1	587212.41	4092866.55	587212.41, 4092866.55	0.57455	1.94932	0.95677	6.39E-04	3.16E-05	1.64E-05	6.87E-04	4.5E-07	1.6E-08
10 UCART1	587247.41	4092866.55	587247.41, 4092866.55	0.5722	1.32569	0.88242	6.36E-04	2.15E-05	1.52E-05	6.73E-04	4.5E-07	1.6E-08
11 UCART1	587282.41	4092866.55	587282.41, 4092866.55	0.54986	0.96837	0.81218	6.12E-04	1.57E-05	1.40E-05	6.41E-04	4.2E-07	1.5E-08
12 UCART1	587317.41	4092866.55	587317.41, 4092866.55	0.51395	0.7472	0.74824	5.72E-04	1.21E-05	1.29E-05	5.97E-04	3.9E-07	1.4E-08
13 UCART1	587352.41	4092866.55	587352.41, 4092866.55	0.47072	0.59716	0.687	5.24E-04	9.69E-06	1.18E-05	5.45E-04	3.6E-07	1.3E-08
14 UCART1	587387.41	4092866.55	587387.41, 4092866.55	0.42698	0.49015	0.62871	4.75E-04	7.96E-06	1.08E-05	4.94E-04	3.3E-07	1.2E-08
15 UCART1	587457.41	4092866.55	587457.41, 4092866.55	0.36011	0.34323	0.52106	4.00E-04	5.57E-06	8.96E-06	4.15E-04	2.7E-07	9.7E-09
16 UCART1	586897.41	4092901.55	586897.41, 4092901.55	0.3737	0.61773	2.44715	4.16E-04	1.00E-05	4.21E-05	4.68E-04	3.1E-07	1.1E-08
17 UCART1	586932.41	4092901.55	586932.41, 4092901.55	0.41474	0.7487	2.50066	4.61E-04	1.22E-05	4.30E-05	5.16E-04	3.4E-07	1.2E-08
18 UCART1	586967.41	4092901.55	586967.41, 4092901.55	0.45626	0.93233	2.31142	5.07E-04	1.51E-05	3.97E-05	5.62E-04	3.7E-07	1.3E-08
19 UCART1	587002.41	4092901.55	587002.41, 4092901.55	0.49948	1.20867	2.1201	5.56E-04	1.96E-05	3.64E-05	6.12E-04	4.0E-07	1.4E-08
20 UCART1	587037.41	4092901.55	587037.41, 4092901.55	0.54386	1.67343	1.94632	6.05E-04	2.72E-05	3.35E-05	6.65E-04	4.4E-07	1.6E-08
21 UCART1	587072.41	4092901.55	587072.41, 4092901.55	0.58695	2.52486	1.76389	6.53E-04	4.10E-05	3.03E-05	7.24E-04	4.8E-07	1.7E-08
22 UCART1	587107.41	4092901.55	587107.41, 4092901.55	0.6275	4.39547	1.60069	6.98E-04	7.14E-05	2.75E-05	7.97E-04	5.3E-07	1.9E-08
23 UCART1	587142.41	4092901.55	587142.41, 4092901.55	0.66444	6.08574	1.4527	7.39E-04	9.88E-05	2.50E-05	8.63E-04	5.7E-07	2.0E-08
24 UCART1	587177.41	4092901.55	587177.41, 4092901.55	0.6934	6.59444	1.31743	7.71E-04	1.07E-04	2.26E-05	9.01E-04	6.0E-07	2.1E-08
25 UCART1	587247.41	4092901.55	587247.41, 4092901.55	0.68846	1.65492	1.08663	7.66E-04	2.69E-05	1.87E-05	8.11E-04	5.4E-07	1.9E-08
26 UCART1	587317.41	4092901.55	587317.41, 4092901.55	0.59202	0.8423	0.89793	6.58E-04	1.37E-05	1.54E-05	6.88E-04	4.5E-07	1.6E-08
27 UCART1	587352.41	4092901.55	587352.41, 4092901.55	0.53282	0.65685	0.81493	5.93E-04	1.07E-05	1.40E-05	6.17E-04	4.1E-07	1.4E-08
28 UCART1	587387.41	4092901.55	587387.41, 4092901.55	0.47622	0.53	0.73775	5.30E-04	8.60E-06	1.27E-05	5.51E-04	3.6E-07	1.3E-08
29 UCART1	587457.41	4092901.55	587457.41, 4092901.55	0.36935	0.35714	0.57837	4.11E-04	5.80E-06	9.94E-06	4.27E-04	2.8E-07	1.0E-08
30 UCART1	587492.41	4092901.55	587492.41, 4092901.55	0.3303	0.29223	0.49007	3.67E-04	4.74E-06	8.42E-06	3.81E-04	2.5E-07	8.9E-09
31 UCART1	586897.41	4092936.55	586897.41, 4092936.55	0.43602	0.71875	6.03914	4.85E-04	1.17E-05	1.04E-04	6.00E-04	4.0E-07	1.4E-08
32 UCART1	586932.41	4092936.55	586932.41, 4092936.55	0.49065	0.88544	4.78478	5.46E-04	1.44E-05	8.22E-05	6.42E-04	4.2E-07	1.5E-08
33 UCART1	586967.41	4092936.55	586967.41, 4092936.55	0.54729	1.13112	3.95024	6.09E-04	1.84E-05	6.79E-05	6.95E-04	4.6E-07	1.6E-08
34 UCART1	587002.41	4092936.55	587002.41, 4092936.55	0.61354	1.5514	3.46518	6.82E-04	2.52E-05	5.96E-05	7.67E-04	5.1E-07	1.8E-08
35 UCART1	587037.41	4092936.55	587037.41, 4092936.55	0.67649	2.27279	2.97019	7.52E-04	3.69E-05	5.10E-05	8.40E-04	5.6E-07	2.0E-08
36 UCART1	587072.41	4092936.55	587072.41, 4092936.55	0.73869	3.74526	2.57191	8.22E-04	6.08E-05	4.42E-05	9.27E-04	6.1E-07	2.2E-08
37 UCART1	587107.41	4092936.55	587107.41, 4092936.55	0.79721	7.68151	2.24728	8.87E-04	1.25E-04	3.86E-05	1.05E-03	6.9E-07	2.5E-08
38 UCART1	587177.41	4092936.55	587177.41, 4092936.55	0.88267	10.52879	1.74644	9.82E-04	1.71E-04	3.00E-05	1.18E-03	7.8E-07	2.8E-08
39 UCART1	587212.41	4092936.55	587212.41, 4092936.55	0.88284	3.97676	1.55126	9.82E-04	6.46E-05	2.67E-05	1.07E-03	7.1E-07	2.5E-08
40 UCART1	587247.41	4092936.55	587247.41, 4092936.55	0.84043	2.0944	1.38064	9.35E-04	3.40E-05	2.37E-05	9.92E-04	6.6E-07	2.3E-08
41 UCART1	587282.41	4092936.55	587282.41, 4092936.55	0.76902	1.34324	1.23426	8.55E-04	2.18E-05	2.12E-05	8.98E-04	5.9E-07	2.1E-08
42 UCART1	587317.41	4092936.55	587317.41, 4092936.55	0.68599	0.95697	1.10454	7.63E-04	1.55E-05	1.90E-05	7.97E-04	5.3E-07	1.9E-08
43 UCART1	587352.41	4092936.55	587352.41, 4092936.55	0.60437	0.72643	0.98785	6.72E-04	1.18E-05	1.70E-05	7.01E-04	4.6E-07	1.6E-08
44 UCART1	587387.41	4092936.55	587387.41, 4092936.55	0.52961	0.57509	0.88187	5.89E-04	9.34E-06	1.52E-05	6.14E-04	4.1E-07	1.4E-08
45 UCART1	587422.41	4092936.55	587422.41, 4092936.55	0.46168	0.4685	0.78248	5.13E-04	7.61E-06	1.34E-05	5.35E-04	3.5E-07	1.3E-08
46 UCART1	587457.41	4092936.55	587457.41, 4092936.55	0.40303	0.39089	0.6942	4.48E-04	6.35E-06	1.19E-05	4.67E-04	3.1E-07	1.1E-08
47 UCART1	587492.41	4092936.55	587492.41, 4092936.55	0.35221	0.312	0.57658	3.92E-04	5.07E-06	9.91E-06	4.07E-04	2.7E-07	9.5E-09
48 UCART1	586862.41	4092971.55	586862.41, 4092971.55	0.44452	0.66993	10.30085	4.94E-04	1.09E-05	1.77E-04	6.82E-04	4.5E-07	1.6E-08
49 UCART1	586967.41	4092971.55	586967.41, 4092971.55	0.67753	1.37295	8.9115	7.54E-04	2.23E-05	1.53E-04	9.29E-04	6.1E-07	2.2E-08
50 UCART1	587002.41	4092971.55	587002.41, 4092971.55	0.77082	1.92868	6.73265	8.57E-04	3.13E-05	1.16E-04	1.00E-03	6.6E-07	2.3E-08
51 UCART1	587037.41	4092971.55	587037.41, 4092971.55	0.86673	2.93944	5.22254	9.64E-04	4.77E-05	8.98E-05	1.10E-03	7.3E-07	2.6E-08
52 UCART1	587072.41	4092971.55	587072.41, 4092971.55	0.96192	5.1718	4.19695	1.07E-03	8.40E-05	7.21E-05	1.23E-03	8.1E-07	2.9E-08
53 UCART1	587107.41	4092971.55	587107.41, 4092971.55	1.05096	11.73718	3.4479	1.17E-03	1.91E-04	5.93E-05	1.42E-03	9.4E-07	3.3E-08
54 UCART1	587177.41	4092971.55	587177.41, 4092971.55	1.16032	10.24633	2.45452	1.29E-03	1.66E-04	4.22E-05	1.50E-03	9.9E-07	3.5E-08
55 UCART1	587212.41	4092971.55	587212.41, 4092971.55	1.13121	4.65549	2.10928	1.26E-03	7.56E-05	3.63E-05	1.37E-03	9.1E-07	3.2E-08
56 UCART1	587247.41	4092971.55	587247.41, 4092971.55	1.0408	2.5113	1.82852	1.16E-03	4.08E-05	3.14E-05	1.23E-03	8.1E-07	2.9E-08
57 UCART1	587282.41	4092971.55	587282.41, 4092971.55	0.9209	1.5682	1.59929	1.02E-03	2.55E-05	2.75E-05	1.08E-03	7.1E-07	2.5E-08
58 UCART1	587317.41	4092971.55	587317.41, 4092971.55	0.79745	1.08477	1.40351	8.87E-04	1.76E-05	2.41E-05	9.29E-04	6.1E-07	2.2E-08
59 UCART1	587352.41	4092971.55	587352.41, 4092971.55	0.68392	0.80387	1.23231	7.61E-04	1.31E-05	2.12E-05	7.95E-04	5.3E-07	1.9E-08
60 UCART1	587387.41	4092971.55	587387.41, 4092971.55	0.58427	0.62502	1.08066	6.50E-04	1.01E-05	1.86E-05	6.79E-04	4.5E-07	1.6E-08
61 UCART1	587422.41	4092971.55	587422.41, 4092971.55	0.49815	0.50243	0.9437	5.54E-04	8.16E-06	1.62E-05	5.78E-04	3.8E-07	1.4E-08
62 UCART1	587492.41	4092971.55	587492.41, 4092971.55	0.36648	0.33142	0.68251	4.08E-04	5.38E-06	1.17E-05	4.25E-04	2.8E-07	9.9E-09
63 UCART1	586827.41	4093006.55	586827.41, 4093006.55	0.44355	0.61363	2.81338	4.93E-04	9.96E-06	4.84E-05	5.52E-04	3.6E-07	1.3E-08
64 UCART1	586862.41	4093006.55	586862.41, 4093006.55	0.51785	0.75013	5.90924	5.76E-04	1.22E-05	1.02E-04	6.90E-04	4.6E-07	1.6E-08
65 UCART1	586897.41	4093006.55	586897.41, 4093006.55	0.60906	0.93957	12.78933	6.77E-04	1.53E-05	2.20E-04	9.12E-04	6.0E-07	2.1E-08
66 UCART1	586932.41	4093006.55	586932.41, 4093006.55	0.71891	1.21191	22.11319	8.00E-04	1.97E-05	3.80E-04	1.20E-03	7.9E-07	2.8E-08
67 UCART1	587037.41	4093006.55	587037.41, 4093006.55	1.15151	3.69947	12.20941	1.28E-03	6.01E-05	2.10E-04	1.55E-03	1.0E-06	3.6E-08
68 UCART1	587072.41	4093006.55	587072.41, 4093006.55	1.31019	6.91059	8.47736	1.46E-03	1.12E-04	1.46E-04	1.72E-03	1.1E-06	4.0E-08
69 UCART1	587142.41	4093006.55	587142.41, 4093006.55	1.56686	20.4824	4.74961	1.74E-03	3.33E-04	8.16E-05	2.16E-03	1.4E-06	5.0E-08
70 UCART1	587177.41	4093006.55	587177.41, 4093006.55	1.58811	9.04521	3.78701	1.77E-03	1.47E-04	6.51E-05	1.98E-03	1.3E-06	4.6E-08
71 UCART1	587212.41	4093006.55	587212.41, 4093006.55	1.48844	4.70461	3.09041	1.66E-03	7.64E-05	5.31E-05	1.78E-03	1.2E-06	4.2E-08
72 UCART1	587247.41	4093006.55	587247.41, 4093006.55	1.30705	2.73659	2.57429	1.45E-03	4.44E-05	4.42E-05	1.54E-03	1.0E-06	3.6E-08
73 UCART1	587282.41	4093006.55	587282.41, 4093006.55	1.10699	1.74822	2.17945	1.23E-03	2.84E-05	3.75E-05	1.30E-03	8.6E-07	3.0E-08
74 UCART1	587317.41	4093006.55	587317.41, 4093006.55	0.92341	1.20348	1.86231	1.03E-03	1.95E-05	3.20E-05	1.08E-03	7.1E-07	2.5E-08
75 UCART1	587352.41	4093006.55	587352.41, 4093006.55	0.76605	0.88175	1.596	8.52E-04	1.43E-05	2.74E-05	8.94E-04	5.9E-07	2.1E-08
76 UCART1	587387.41	4093006.55	587387.41, 4093006.55	0.63579	0.67718	1.36842	7.07E-04	1.10E-05	2.35E-05	7.42E-04	4.9E-07	1.7E-08
77 UCART1	587422.41	4093006.55	587422.41, 4093006.55	0.52984	0.5381	1.17079	5.89E-04	8.74E-06	2.01E-05	6.18E-04	4.1E-07	1.4E-08
78 UCART1	587492.41	4093006.55	587492.41, 4093006.55	0.36578	0.3479	0.80117	4.07E-04	5.65E-06	1.38E-05	4.26E-04	2.8E-07	1.0E-08
79 UCART1	586827.41	4093041.55	586827.41, 4093041.55	0.51372	0.6749	2.20579	5.71E-04	1.10E-05	3.79E-05	6.20E-04	4.1E-07	1.5E-08
80 UCART1	586862.41	4093041.55	586862.41, 4093041.55	0.60885	0.83208	3.67618	6.77E-04	1.35E-05	6.32E-05	7.54E-04	5.0E-07	1.8E-08
81 UCART1	586897.41	4093041.55	586897.41, 4093041.55	0.73246	1.05705	6.35637	8.15E-04	1.72E-05	1.09E-04	9.41E-04	6.2E-07	2.2E-08
82 UCART1	586932.41	4093041.55	586932.41, 4093041.55	0.88828	1.3854	9.88714	9.88E-04	2.25E-05	1.70E-04	1.18E-03	7.8E-07	2.8E-08
83 UCART1	586967.41	4093041.55	586967.41, 4093041.55	1.08327	1.90051	13.84898	1.20E-03	3.09E-05	2.38E-04	1.47E-03	9.8E-07	3.4E-08
84 UCART1	587002.41	4093041.55	587002.41, 4093041.55	1.32222	2.79947	18.9315	1.47E-03	4.54E-05	3.25E-04	1.84E-03	1.2E-06	4.3E-08
85 UCART1	587037.41	4093041.55	587037.41, 4093041.55	1.60053	4.60828	19.47563	1.78E-03	7.48E-05	3.35E-04	2.19E-03	1.4E-06	5.1E-08

86	UCART1	587142.41	4093041.55	587142.41, 4093041.55	2.34516	15.77965	9.84952	2.61E-03	2.56E-04	1.69E-04	3.03E-03	2.0E-06	7.1E-08
87	UCART1	587177.41	4093041.55	587177.41, 4093041.55	2.29157	7.84701	6.91311	2.55E-03	1.27E-04	1.19E-04	2.79E-03	1.8E-06	6.5E-08
88	UCART1	587212.41	4093041.55	587212.41, 4093041.55	2.01465	4.47803	5.12946	2.24E-03	7.27E-05	8.82E-05	2.40E-03	1.6E-06	5.6E-08
89	UCART1	587247.41	4093041.55	587247.41, 4093041.55	1.6574	2.78336	3.99867	1.84E-03	4.52E-05	6.87E-05	1.96E-03	1.3E-06	4.6E-08
90	UCART1	587282.41	4093041.55	587282.41, 4093041.55	1.32651	1.84803	3.21349	1.48E-03	3.00E-05	5.52E-05	1.56E-03	1.0E-06	3.7E-08
91	UCART1	587317.41	4093041.55	587317.41, 4093041.55	1.05664	1.29393	2.63516	1.18E-03	2.10E-05	4.53E-05	1.24E-03	8.2E-07	2.9E-08
92	UCART1	587352.41	4093041.55	587352.41, 4093041.55	0.84506	0.95098	2.18266	9.40E-04	1.54E-05	3.75E-05	9.93E-04	6.6E-07	2.3E-08
93	UCART1	587387.41	4093041.55	587387.41, 4093041.55	0.68209	0.72706	1.81598	7.59E-04	1.18E-05	3.12E-05	8.02E-04	5.3E-07	1.9E-08
94	UCART1	587422.41	4093041.55	587422.41, 4093041.55	0.55721	0.57351	1.51018	6.20E-04	9.31E-06	2.60E-05	6.55E-04	4.3E-07	1.5E-08
95	UCART1	587457.41	4093041.55	587457.41, 4093041.55	0.45875	0.46361	1.22984	5.10E-04	7.53E-06	2.11E-05	5.39E-04	3.6E-07	1.3E-08
96	UCART1	586827.41	4093076.55	586827.41, 4093076.55	0.59785	0.73723	1.72075	6.65E-04	1.20E-05	2.96E-05	7.06E-04	4.7E-07	1.7E-08
97	UCART1	586862.41	4093076.55	586862.41, 4093076.55	0.72345	0.91941	2.56248	8.05E-04	1.49E-05	4.40E-05	8.64E-04	5.7E-07	2.0E-08
98	UCART1	586897.41	4093076.55	586897.41, 4093076.55	0.8914	1.18173	3.83977	9.91E-04	1.92E-05	6.60E-05	1.08E-03	7.1E-07	2.5E-08
99	UCART1	586932.41	4093076.55	586932.41, 4093076.55	1.11517	1.57382	5.43928	1.24E-03	2.55E-05	9.35E-05	1.36E-03	9.0E-07	3.2E-08
100	UCART1	586967.41	4093076.55	586967.41, 4093076.55	1.41614	2.20093	7.29019	1.57E-03	3.57E-05	1.25E-04	1.74E-03	1.1E-06	4.1E-08
101	UCART1	587002.41	4093076.55	587002.41, 4093076.55	1.82127	3.33469	9.49334	2.03E-03	5.41E-05	1.63E-04	2.24E-03	1.5E-06	5.2E-08
102	UCART1	587037.41	4093076.55	587037.41, 4093076.55	2.35507	5.76161	12.32327	2.62E-03	9.35E-05	2.12E-04	2.92E-03	1.9E-06	6.8E-08
103	UCART1	587072.41	4093076.55	587072.41, 4093076.55	3.00519	12.56728	16.2826	3.34E-03	2.04E-04	2.80E-04	3.83E-03	2.5E-06	9.0E-08
104	UCART1	587177.41	4093076.55	587177.41, 4093076.55	3.54366	6.83765	14.33742	3.94E-03	1.11E-04	2.46E-04	4.30E-03	2.8E-06	1.0E-07
105	UCART1	587212.41	4093076.55	587212.41, 4093076.55	2.80062	4.16284	10.85186	3.11E-03	6.76E-05	1.87E-04	3.37E-03	2.2E-06	7.9E-08
106	UCART1	587247.41	4093076.55	587247.41, 4093076.55	2.09921	2.72261	7.41122	2.33E-03	4.42E-05	1.27E-04	2.51E-03	1.7E-06	5.9E-08
107	UCART1	587282.41	4093076.55	587282.41, 4093076.55	1.56867	1.87525	5.41606	1.74E-03	3.04E-05	9.31E-05	1.87E-03	1.2E-06	4.4E-08
108	UCART1	587317.41	4093076.55	587317.41, 4093076.55	1.18988	1.34589	4.13825	1.32E-03	2.18E-05	7.11E-05	1.42E-03	9.4E-07	3.3E-08
109	UCART1	587352.41	4093076.55	587352.41, 4093076.55	0.92006	1.00211	3.24659	1.02E-03	1.63E-05	5.58E-05	1.10E-03	7.2E-07	2.6E-08
110	UCART1	587387.41	4093076.55	587387.41, 4093076.55	0.72555	0.76907	2.57748	8.07E-04	1.25E-05	4.43E-05	8.64E-04	5.7E-07	2.0E-08
111	UCART1	587422.41	4093076.55	587422.41, 4093076.55	0.58332	0.60569	2.04778	6.49E-04	9.83E-06	3.52E-05	6.94E-04	4.6E-07	1.6E-08
112	UCART1	587457.41	4093076.55	587457.41, 4093076.55	0.47859	0.48853	1.62013	5.32E-04	7.93E-06	2.78E-05	5.68E-04	3.8E-07	1.3E-08
113	UCART1	587492.41	4093076.55	587492.41, 4093076.55	0.40084	0.40117	1.27011	4.46E-04	6.51E-06	2.18E-05	4.74E-04	3.1E-07	1.1E-08
114	UCART1	586792.41	4093111.55	586792.41, 4093111.55	0.5717	0.6504	1.01117	6.36E-04	1.06E-05	1.74E-05	6.64E-04	4.4E-07	1.6E-08
115	UCART1	586827.41	4093111.55	586827.41, 4093111.55	0.69439	0.80116	1.3725	7.72E-04	1.30E-05	2.36E-05	8.09E-04	5.4E-07	1.9E-08
116	UCART1	586862.41	4093111.55	586862.41, 4093111.55	0.86017	1.01115	1.89443	9.57E-04	1.64E-05	3.26E-05	1.01E-03	6.7E-07	2.4E-08
117	UCART1	586897.41	4093111.55	586897.41, 4093111.55	1.0889	1.31403	2.60507	1.21E-03	2.13E-05	4.48E-05	1.28E-03	8.5E-07	3.0E-08
118	UCART1	586932.41	4093111.55	586932.41, 4093111.55	1.41352	1.77699	3.47705	1.57E-03	2.88E-05	5.98E-05	1.66E-03	1.1E-06	3.9E-08
119	UCART1	586967.41	4093111.55	586967.41, 4093111.55	1.88739	2.54202	4.4704	2.10E-03	4.13E-05	7.68E-05	2.22E-03	1.5E-06	5.2E-08
120	UCART1	587002.41	4093111.55	587002.41, 4093111.55	2.60212	3.9835	5.61473	2.89E-03	6.47E-05	9.65E-05	3.06E-03	2.0E-06	7.1E-08
121	UCART1	587037.41	4093111.55	587037.41, 4093111.55	3.71933	7.28934	6.98963	4.14E-03	1.18E-04	1.20E-04	4.37E-03	2.9E-06	1.0E-07
122	UCART1	587107.41	4093111.55	587107.41, 4093111.55	7.64745	21.91726	11.32312	8.51E-03	3.56E-04	1.95E-04	9.06E-03	6.0E-06	2.1E-07
123	UCART1	587142.41	4093111.55	587142.41, 4093111.55	7.92941	10.38292	15.20525	8.82E-03	1.69E-04	2.61E-04	9.25E-03	6.1E-06	2.2E-07
124	UCART1	587177.41	4093111.55	587177.41, 4093111.55	6.002	5.99174	21.29227	6.68E-03	9.73E-05	3.66E-04	7.14E-03	4.7E-06	1.7E-07
125	UCART1	587212.41	4093111.55	587212.41, 4093111.55	3.94233	3.83451	15.17355	4.38E-03	6.23E-05	2.61E-04	4.71E-03	3.1E-06	1.1E-07
126	UCART1	587282.41	4093111.55	587282.41, 4093111.55	1.82827	1.85241	11.85893	2.03E-03	3.01E-05	2.04E-04	2.27E-03	1.5E-06	5.3E-08
127	UCART1	587317.41	4093111.55	587317.41, 4093111.55	1.32793	1.36148	7.85154	1.48E-03	2.21E-05	1.35E-04	1.63E-03	1.1E-06	3.8E-08
128	UCART1	587352.41	4093111.55	587352.41, 4093111.55	0.99677	1.03204	5.44982	1.11E-03	1.68E-05	9.37E-05	1.22E-03	8.1E-07	2.9E-08
129	UCART1	587387.41	4093111.55	587387.41, 4093111.55	0.77402	0.79896	4.07405	8.61E-04	1.30E-05	7.00E-05	9.44E-04	6.2E-07	2.2E-08
130	UCART1	587422.41	4093111.55	587422.41, 4093111.55	0.61767	0.63225	3.1175	6.87E-04	1.03E-05	5.36E-05	7.51E-04	5.0E-07	1.8E-08
131	UCART1	587457.41	4093111.55	587457.41, 4093111.55	0.50367	0.51044	2.32545	5.60E-04	8.29E-06	4.00E-05	6.08E-04	4.0E-07	1.4E-08
132	UCART1	587492.41	4093111.55	587492.41, 4093111.55	0.41868	0.41975	1.64909	4.66E-04	6.81E-06	2.83E-05	5.01E-04	3.3E-07	1.2E-08
133	UCART1	586792.41	4093146.55	586792.41, 4093146.55	0.64229	0.69693	0.86302	7.14E-04	1.13E-05	1.48E-05	7.40E-04	4.9E-07	1.7E-08
134	UCART1	586827.41	4093146.55	586827.41, 4093146.55	0.79417	0.8658	1.11888	8.83E-04	1.41E-05	1.92E-05	9.17E-04	6.1E-07	2.1E-08
135	UCART1	586862.41	4093146.55	586862.41, 4093146.55	1.00655	1.10534	1.463	1.12E-03	1.79E-05	2.51E-05	1.16E-03	7.7E-07	2.7E-08
136	UCART1	586897.41	4093146.55	586897.41, 4093146.55	1.3118	1.45578	1.90707	1.46E-03	2.36E-05	3.28E-05	1.52E-03	1.0E-06	3.5E-08
137	UCART1	586932.41	4093146.55	586932.41, 4093146.55	1.77093	2.00374	2.43939	1.97E-03	3.25E-05	4.19E-05	2.04E-03	1.4E-06	4.8E-08
138	UCART1	586967.41	4093146.55	586967.41, 4093146.55	2.4985	2.93945	3.04048	2.78E-03	4.77E-05	5.23E-05	2.88E-03	1.9E-06	6.7E-08
139	UCART1	587002.41	4093146.55	587002.41, 4093146.55	3.7414	4.79436	3.72007	4.16E-03	7.78E-05	6.39E-05	4.30E-03	2.8E-06	1.0E-07
140	UCART1	587037.41	4093146.55	587037.41, 4093146.55	6.1315	9.42213	4.50133	6.82E-03	1.53E-04	7.74E-05	7.05E-03	4.7E-06	1.6E-07
141	UCART1	587212.41	4093146.55	587212.41, 4093146.55	5.54467	3.52049	14.31285	6.17E-03	5.72E-05	2.46E-04	6.47E-03	4.3E-06	1.5E-07
142	UCART1	587247.41	4093146.55	587247.41, 4093146.55	3.26423	2.47071	19.79393	3.63E-03	4.01E-05	3.40E-04	4.01E-03	2.7E-06	9.4E-08
143	UCART1	587282.41	4093146.55	587282.41, 4093146.55	2.13056	1.79941	20.45116	2.37E-03	2.92E-05	3.51E-04	2.75E-03	1.8E-06	6.4E-08
144	UCART1	587352.41	4093146.55	587352.41, 4093146.55	1.09474	1.0409	12.62237	1.22E-03	1.69E-05	2.17E-04	1.45E-03	9.6E-07	3.4E-08
145	UCART1	587387.41	4093146.55	587387.41, 4093146.55	0.83727	0.81289	8.27988	9.31E-04	1.32E-05	1.42E-04	1.09E-03	7.2E-07	2.5E-08
146	UCART1	587422.41	4093146.55	587422.41, 4093146.55	0.6603	0.64825	5.80143	7.34E-04	1.05E-05	9.97E-05	8.45E-04	5.6E-07	2.0E-08
147	UCART1	587457.41	4093146.55	587457.41, 4093146.55	0.53434	0.52735	3.82036	5.94E-04	8.56E-06	6.57E-05	6.68E-04	4.4E-07	1.6E-08
148	UCART1	587492.41	4093146.55	587492.41, 4093146.55	0.44157	0.43477	2.26402	4.91E-04	7.06E-06	3.89E-05	5.37E-04	3.6E-07	1.3E-08
149	UCART1	586757.41	4093181.55	586757.41, 4093181.55	0.5717	0.60414	0.59894	6.36E-04	9.81E-06	1.03E-05	6.56E-04	4.3E-07	1.5E-08
150	UCART1	586792.41	4093181.55	586792.41, 4093181.55	0.70234	0.74252	0.74257	7.81E-04	1.21E-05	1.28E-05	8.06E-04	5.3E-07	1.9E-08
151	UCART1	586827.41	4093181.55	586827.41, 4093181.55	0.88188	0.93113	0.92978	9.81E-04	1.51E-05	1.60E-05	1.01E-03	6.7E-07	2.4E-08
152	UCART1	586862.41	4093181.55	586862.41, 4093181.55	1.13967	1.20239	1.17018	1.27E-03	1.95E-05	2.01E-05	1.31E-03	8.6E-07	3.1E-08
153	UCART1	586897.41	4093181.55	586897.41, 4093181.55	1.52362	1.60962	1.46664	1.69E-03	2.61E-05	2.52E-05	1.75E-03	1.2E-06	4.1E-08
154	UCART1	586932.41	4093181.55	586932.41, 4093181.55	2.12672	2.25831	1.81787	2.37E-03	3.67E-05	3.12E-05	2.43E-03	1.6E-06	5.7E-08
155	UCART1	586967.41	4093181.55	586967.41, 4093181.55	3.14899	3.41413	2.21248	3.50E-03	5.54E-05	3.80E-05	3.60E-03	2.4E-06	8.4E-08
156	UCART1	587002.41	4093181.55	587002.41, 4093181.55	5.06431	5.84693	2.65336	5.63E-03	9.49E-05	4.56E-05	5.77E-03	3.8E-06	1.4E-07
157	UCART1	587037.41	4093181.55	587037.41, 4093181.55	9.29003	12.56681	3.14244	1.03E-02	2.04E-04	5.40E-05	1.06E-02	7.0E-06	2.5E-07
158	UCART1	587212.41	4093181.55	587212.41, 4093181.55	7.8773	3.22787	7.97707	8.76E-03	5.24E-05	1.37E-04	8.95E-03	5.9E-06	2.1E-07
159	UCART1	587247.41	4093181.55	587247.41, 4093181.55	4.11142	2.32352	10.14992	4.57E-03	3.77E-05	1.74E-04	4.78E-03	3.2E-06	1.1E-07
160	UCART1	587282.41	4093181.55	587282.41, 4093181.55	2.51564	1.72931	13.33143	2.80E-03	2.81E-05	2.29E-04	3.05E-03	2.0E-06	7.1E-08
161	UCART1	587317.41	4093181.55	587317.41, 4093181.55	1.69502	1.3249	17.94985	1.89E-03	2.15E-05	3.09E-04	2.22E-03	1.5E-06	5.2E-08
162	UCART1	587352.41	4093181.55	587352.41, 4093181.55	1.21698	1.03395	14.86764	1.35E-03	1.68E-05	2.56E-04	1.63E-03	1.1E-06	3.8E-08
163	UCART1	587457.41	4093181.55	587457.41, 4093181.55	0.57202	0.5392	8.58672	6.36E-04	8.75E-06	1.48E-04	7.93E-04	5.2E-07	1.9E-08
164	UCART1	587492.41	4093181.55	587492.41, 4093181.55	0.46904	0.44666	3.23227	5.22E-04	7.25E-06	5.56E-05	5.84E-04	3.9E-07	1.4E-08
165	UCART1	586757.41	4093216.55	586757.41, 4093216.55	0.598	0.63542	0.53147	6.65E-04	1.03E-05	9.13E-06	6.85E-04	4.5E-07	1.6E-08
166	UCART1	586792.41	4093216.55	586792.41, 4093216.55	0.74084	0.78668	0.64403	8.24E-04	1.28E-05	1.11E-05	8.48E-04	5.6E-07	2.0E-08
167	UCART1	586827.41	4093216.55	586827.41, 4093216.55	0.94124	0.99814	0.78501	1.05E-03	1.62E-05	1.35E-05	1.08E-03	7.1E-07	2.5E-08
168	UCART1	586862.41	4093216.55	586862.41, 4093216.55	1.23383	1.30685	0.95905	1.37E-03	2.12E-05	1.65E-05	1.41E-03	9.3E-07	3.3E-08
169	UCART1	586897.41	4093216.55	586897.41, 4093216.55	1.67974	1.77666	1.16886	1.87E-03	2.88E-05	2.01E-05	1.92E-03	1.3E-06	4.5E-08
170	UCART1	586932.41	4093216.55	586932.41, 4093216.55	2.40722	2.55193	1.41458	2.68E-03	4.14E-05	2.43E-05	2.74E-03	1.8E-06	6.4E-08
171	UCART1	586967.41	4093216.55	586967.41, 4093216.55	3.70057	3.99507	1.68958	4.12E-03	6.49E-05	2.90E-05	4.21E-03	2.8E-06	9.8E-08
172	UCART1	587002.41	4093216.55	587002.41, 4093216.55	6.30187	7.25962	1.99147	7.01E-03	1.18E-04	3.42E-05	7.16E-03	4.7E-06	1.7E-07
173	UCART1	587037.41	4093216.55	587037.41, 4093216.55	12.62914	17.73569	2.31941	1.40E-02	2.88E-04	3.99E-05	1.44E-02	9.5E-06	3.4E-07
174	UCART1	587212.41	4093216.55	587212.41, 4093216.55	10.06549	2.95763	5.07292	1.12E-02	4.80E-05	8.72E-05	1.13E-02	7.5E-06	2.7E-07
175	UCART1	587247.41	4093216.55	587247.41, 4093216.55	5.06537	2.17489	6.07521	5.63E-03	3.53E-05	1.04E-04	5.77E-03	3.8E-06	1.4E-07
176	UCART1	587282.41	4093216.55	587282.41, 4093216.55	2.97574	1.64892	7.41972	3.31E-03	2.68E-05	1.28E-04	3.46E-03	2.3E-06	8.1E-08
177	UCART1	587317.41	4093216.55	587317.41, 4093216.55	1.9459	1.28201	9.28798	2.16E-03	2.08E-05	1.60E-04	2.34E-03	1.6E-06	5.5E-08
178	UCART1	587352.41	4093216.55	587352.41, 4093216.55	1.36434	1.01656	11.18266	1.52E-03	1.65E-05	1.92E-04	1.73E-03	1.1E-06	4.0E-08
179	UCART1	587387.41	4093216.55	587387.41, 4093216.55	1.01057	0.8138	14.74541	1.12E-03	1.32E-05	2.53E-04	1.39E-03	9.2E-07	3.3E-08
180	UCART1	587422.41	4093216.55	587422.41, 4093216.55	0.77682	0.66176	16.77038	8.64E-04	1.07E-05	2.88E-04	1.16E-03	7.7E-07	2.7E-08
181	UCART1	587457.41	4093216.55	587457.41, 4093216.55	0.61641	0.54616	13.86541	6.86E-04	8.87E-06	2.38E-04	9.33E-04	6.2E-07	2.2E-08

182	UCART1	586757.41	4093251.55	586757.41, 4093251.55	0.60363	0.66374	0.47393	6.71E-04	1.08E-05	8.15E-06	6.90E-04	4.6E-07	1.6E-08
183	UCART1	586792.41	4093251.55	586792.41, 4093251.55	0.75065	0.8289	0.56305	8.35E-04	1.35E-05	9.68E-06	8.58E-04	5.7E-07	2.0E-08
184	UCART1	586827.41	4093251.55	586827.41, 4093251.55	0.95907	1.06435	0.67162	1.07E-03	1.73E-05	1.15E-05	1.10E-03	7.2E-07	2.6E-08
185	UCART1	586862.41	4093251.55	586862.41, 4093251.55	1.26599	1.41458	0.80136	1.41E-03	2.30E-05	1.38E-05	1.44E-03	9.6E-07	3.4E-08
186	UCART1	586897.41	4093251.55	586897.41, 4093251.55	1.74293	1.95995	0.95486	1.94E-03	3.18E-05	1.64E-05	1.99E-03	1.3E-06	4.6E-08
187	UCART1	586932.41	4093251.55	586932.41, 4093251.55	2.54249	2.89484	1.13301	2.83E-03	4.70E-05	1.95E-05	2.89E-03	1.9E-06	6.8E-08
188	UCART1	586967.41	4093251.55	586967.41, 4093251.55	4.02079	4.73212	1.33176	4.47E-03	7.68E-05	2.29E-05	4.57E-03	3.0E-06	1.1E-07
189	UCART1	587002.41	4093251.55	587002.41, 4093251.55	7.20464	9.26652	1.54681	8.01E-03	1.50E-04	2.66E-05	8.19E-03	5.4E-06	1.9E-07
190	UCART1	587177.41	4093251.55	587177.41, 4093251.55	24.27796	3.75203	3.05701	2.70E-02	6.09E-05	5.25E-05	2.71E-02	1.8E-05	6.3E-07
191	UCART1	587212.41	4093251.55	587212.41, 4093251.55	10.93726	2.70905	3.50962	1.22E-02	4.40E-05	6.03E-05	1.23E-02	8.1E-06	2.9E-07
192	UCART1	587247.41	4093251.55	587247.41, 4093251.55	5.7598	2.02959	4.0399	6.41E-03	3.29E-05	6.94E-05	6.51E-03	4.3E-06	1.5E-07
193	UCART1	587282.41	4093251.55	587282.41, 4093251.55	3.40542	1.56335	4.6924	3.79E-03	2.54E-05	8.06E-05	3.89E-03	2.6E-06	9.1E-08
194	UCART1	587317.41	4093251.55	587317.41, 4093251.55	2.20121	1.23023	5.49108	2.45E-03	2.00E-05	9.44E-05	2.56E-03	1.7E-06	6.0E-08
195	UCART1	587352.41	4093251.55	587352.41, 4093251.55	1.53028	0.9899	6.43791	1.70E-03	1.61E-05	1.11E-04	1.83E-03	1.2E-06	4.3E-08
196	UCART1	587387.41	4093251.55	587387.41, 4093251.55	1.11715	0.80441	7.27787	1.24E-03	1.31E-05	1.25E-04	1.38E-03	9.1E-07	3.2E-08
197	UCART1	587422.41	4093251.55	587422.41, 4093251.55	0.84696	0.65842	7.77042	9.42E-04	1.07E-05	1.34E-04	1.09E-03	7.2E-07	2.5E-08
198	UCART1	587457.41	4093251.55	587457.41, 4093251.55	0.66572	0.54825	6.7227	7.40E-04	8.90E-06	1.16E-04	8.65E-04	5.7E-07	2.0E-08
199	UCART1	587492.41	4093251.55	587492.41, 4093251.55	0.53543	0.4597	4.17146	5.95E-04	7.46E-06	7.17E-05	6.75E-04	4.5E-07	1.6E-08
200	UCART1	586722.41	4093286.55	586722.41, 4093286.55	0.4848	0.55879	0.36516	5.39E-04	9.07E-06	6.28E-06	5.55E-04	3.7E-07	1.3E-08
201	UCART1	586757.41	4093286.55	586757.41, 4093286.55	0.58907	0.68818	0.42453	6.55E-04	1.12E-05	7.30E-06	6.74E-04	4.5E-07	1.6E-08
202	UCART1	586792.41	4093286.55	586792.41, 4093286.55	0.7316	0.86784	0.49603	8.14E-04	1.41E-05	8.53E-06	8.36E-04	5.5E-07	2.0E-08
203	UCART1	586827.41	4093286.55	586827.41, 4093286.55	0.9334	1.12862	0.58123	1.04E-03	1.83E-05	9.99E-06	1.07E-03	7.1E-07	2.5E-08
204	UCART1	586862.41	4093286.55	586862.41, 4093286.55	1.22921	1.52428	0.68062	1.37E-03	2.47E-05	1.17E-05	1.40E-03	9.3E-07	3.3E-08
205	UCART1	586897.41	4093286.55	586897.41, 4093286.55	1.68922	2.16138	0.79286	1.88E-03	3.51E-05	1.36E-05	1.93E-03	1.3E-06	4.5E-08
206	UCART1	586932.41	4093286.55	586932.41, 4093286.55	2.4689	3.30254	0.9271	2.75E-03	5.36E-05	1.59E-05	2.82E-03	1.9E-06	6.6E-08
207	UCART1	586967.41	4093286.55	586967.41, 4093286.55	3.93122	5.69502	1.07566	4.37E-03	9.25E-05	1.85E-05	4.48E-03	3.0E-06	1.0E-07
208	UCART1	587002.41	4093286.55	587002.41, 4093286.55	7.24142	12.22914	1.23486	8.05E-03	1.99E-04	2.12E-05	8.27E-03	5.5E-06	1.9E-07
209	UCART1	587107.41	4093286.55	587107.41, 4093286.55	43.24604	7.48883	1.80321	4.81E-02	1.22E-04	3.10E-05	4.82E-02	3.2E-05	1.1E-06
210	UCART1	587177.41	4093286.55	587177.41, 4093286.55	21.35979	3.36839	2.28575	2.38E-02	5.47E-05	3.93E-05	2.38E-02	1.6E-05	5.6E-07
211	UCART1	587212.41	4093286.55	587212.41, 4093286.55	10.59436	2.48021	2.56638	1.18E-02	4.03E-05	4.41E-05	1.19E-02	7.9E-06	2.8E-07
212	UCART1	587247.41	4093286.55	587247.41, 4093286.55	5.97596	1.88947	2.87739	6.65E-03	3.07E-05	4.95E-05	6.73E-03	4.5E-06	1.6E-07
213	UCART1	587282.41	4093286.55	587282.41, 4093286.55	3.6686	1.47606	3.22934	4.08E-03	2.40E-05	5.55E-05	4.16E-03	2.8E-06	9.7E-08
214	UCART1	587317.41	4093286.55	587317.41, 4093286.55	2.40659	1.17626	3.61959	2.68E-03	1.91E-05	6.22E-05	2.76E-03	1.8E-06	6.5E-08
215	UCART1	587352.41	4093286.55	587352.41, 4093286.55	1.67921	0.9573	4.04675	1.87E-03	1.55E-05	6.96E-05	1.95E-03	1.3E-06	4.6E-08
216	UCART1	587387.41	4093286.55	587387.41, 4093286.55	1.22131	0.78734	4.34653	1.36E-03	1.28E-05	7.47E-05	1.45E-03	9.6E-07	3.4E-08
217	UCART1	587422.41	4093286.55	587422.41, 4093286.55	0.91851	0.6504	4.41054	1.02E-03	1.06E-05	7.58E-05	1.11E-03	7.3E-07	2.6E-08
218	UCART1	587457.41	4093286.55	587457.41, 4093286.55	0.71665	0.54591	3.97267	7.97E-04	8.86E-06	6.83E-05	8.74E-04	5.8E-07	2.0E-08
219	UCART1	587492.41	4093286.55	587492.41, 4093286.55	0.57156	0.4609	3.03259	6.36E-04	7.48E-06	5.21E-05	6.95E-04	4.6E-07	1.6E-08
220	UCART1	586722.41	4093321.55	586722.41, 4093321.55	0.46318	0.57063	0.33265	5.15E-04	9.26E-06	5.72E-06	5.30E-04	3.5E-07	1.2E-08
221	UCART1	586757.41	4093321.55	586757.41, 4093321.55	0.56013	0.70724	0.38204	6.23E-04	1.15E-05	6.57E-06	6.41E-04	4.2E-07	1.5E-08
222	UCART1	586792.41	4093321.55	586792.41, 4093321.55	0.69157	0.90071	0.44015	7.69E-04	1.46E-05	7.56E-06	7.91E-04	5.2E-07	1.9E-08
223	UCART1	586827.41	4093321.55	586827.41, 4093321.55	0.87542	1.18722	0.50816	9.74E-04	1.93E-05	8.73E-06	1.00E-03	6.6E-07	2.3E-08
224	UCART1	586862.41	4093321.55	586862.41, 4093321.55	1.14042	1.63401	0.58481	1.27E-03	2.65E-05	1.01E-05	1.30E-03	8.6E-07	3.1E-08
225	UCART1	586897.41	4093321.55	586897.41, 4093321.55	1.53755	2.3804	0.67106	1.71E-03	3.86E-05	1.15E-05	1.76E-03	1.2E-06	4.1E-08
226	UCART1	586932.41	4093321.55	586932.41, 4093321.55	2.20284	3.79375	0.77453	2.45E-03	6.16E-05	1.33E-05	2.52E-03	1.7E-06	5.9E-08
227	UCART1	586967.41	4093321.55	586967.41, 4093321.55	3.38544	6.99695	0.88693	3.77E-03	1.14E-04	1.52E-05	3.89E-03	2.6E-06	9.1E-08
228	UCART1	587072.41	4093321.55	587072.41, 4093321.55	27.07934	10.77072	1.27984	3.01E-02	1.75E-04	2.20E-05	3.03E-02	2.0E-05	7.1E-07
229	UCART1	587107.41	4093321.55	587107.41, 4093321.55	29.30609	6.35853	1.43082	3.26E-02	1.03E-04	2.46E-05	3.27E-02	2.2E-05	7.7E-07
230	UCART1	587177.41	4093321.55	587177.41, 4093321.55	16.98545	3.0278	1.7677	1.89E-02	4.92E-05	3.04E-05	1.90E-02	1.3E-05	4.4E-07
231	UCART1	587212.41	4093321.55	587212.41, 4093321.55	9.39675	2.26962	1.95052	1.05E-02	3.68E-05	3.35E-05	1.05E-02	7.0E-06	2.5E-07
232	UCART1	587247.41	4093321.55	587247.41, 4093321.55	5.71599	1.75519	2.14484	6.36E-03	2.85E-05	3.69E-05	6.42E-03	4.2E-06	1.5E-07
233	UCART1	587282.41	4093321.55	587282.41, 4093321.55	3.69636	1.38941	2.35143	4.11E-03	2.26E-05	4.04E-05	4.17E-03	2.8E-06	9.8E-08
234	UCART1	587317.41	4093321.55	587317.41, 4093321.55	2.522	1.12461	2.57831	2.80E-03	1.83E-05	4.43E-05	2.87E-03	1.9E-06	6.7E-08
235	UCART1	587352.41	4093321.55	587352.41, 4093321.55	1.78525	0.9244	2.77881	1.99E-03	1.50E-05	4.78E-05	2.05E-03	1.4E-06	4.8E-08
236	UCART1	587387.41	4093321.55	587387.41, 4093321.55	1.30573	0.76566	2.90293	1.45E-03	1.24E-05	4.99E-05	1.51E-03	1.0E-06	3.5E-08
237	UCART1	587422.41	4093321.55	587422.41, 4093321.55	0.98314	0.63842	2.87768	1.09E-03	1.04E-05	4.95E-05	1.15E-03	7.6E-07	2.7E-08
238	UCART1	587457.41	4093321.55	587457.41, 4093321.55	0.76296	0.53903	2.65218	8.49E-04	8.75E-06	4.56E-05	9.03E-04	6.0E-07	2.1E-08
239	UCART1	587492.41	4093321.55	587492.41, 4093321.55	0.59468	0.45184	2.16677	6.61E-04	7.34E-06	3.72E-05	7.06E-04	4.7E-07	1.7E-08
240	UCART1	586722.41	4093356.55	586722.41, 4093356.55	0.43683	0.57555	0.30417	4.86E-04	9.34E-06	5.23E-06	5.00E-04	3.3E-07	1.2E-08
241	UCART1	586757.41	4093356.55	586757.41, 4093356.55	0.52479	0.71809	0.34545	5.84E-04	1.17E-05	5.94E-06	6.01E-04	4.0E-07	1.4E-08
242	UCART1	586792.41	4093356.55	586792.41, 4093356.55	0.64246	0.92349	0.39322	7.15E-04	1.50E-05	6.76E-06	7.36E-04	4.9E-07	1.7E-08
243	UCART1	586827.41	4093356.55	586827.41, 4093356.55	0.80366	1.23523	0.44808	8.94E-04	2.01E-05	7.70E-06	9.22E-04	6.1E-07	2.2E-08
244	UCART1	586862.41	4093356.55	586862.41, 4093356.55	1.03052	1.73586	0.50869	1.15E-03	2.82E-05	8.74E-06	1.18E-03	7.8E-07	2.8E-08
245	UCART1	586897.41	4093356.55	586897.41, 4093356.55	1.36537	2.61788	0.57947	1.52E-03	4.25E-05	9.96E-06	1.57E-03	1.0E-06	3.7E-08
246	UCART1	586932.41	4093356.55	586932.41, 4093356.55	1.88806	4.38705	0.66006	2.10E-03	7.12E-05	1.13E-05	2.18E-03	1.4E-06	5.1E-08
247	UCART1	586967.41	4093356.55	586967.41, 4093356.55	2.74388	8.7944	0.74603	3.05E-03	1.43E-04	1.28E-05	3.21E-03	2.1E-06	7.5E-08
248	UCART1	587037.41	4093356.55	587037.41, 4093356.55	7.12303	17.00857	0.93782	7.92E-03	2.76E-04	1.61E-05	8.21E-03	5.4E-06	1.9E-07
249	UCART1	587072.41	4093356.55	587072.41, 4093356.55	11.47955	8.80387	1.04634	1.28E-02	1.43E-04	1.80E-05	1.29E-02	8.6E-06	3.0E-07
250	UCART1	587107.41	4093356.55	587107.41, 4093356.55	14.83224	5.43421	1.16007	1.65E-02	8.82E-05	1.99E-05	1.66E-02	1.1E-05	3.9E-07
251	UCART1	587212.41	4093356.55	587212.41, 4093356.55	7.64839	2.07707	1.52922	8.51E-03	3.37E-05	2.63E-05	8.57E-03	5.7E-06	2.0E-07
252	UCART1	587247.41	4093356.55	587247.41, 4093356.55	5.09323	1.62985	1.65756	5.66E-03	2.65E-05	2.85E-05	5.72E-03	3.8E-06	1.3E-07
253	UCART1	587282.41	4093356.55	587282.41, 4093356.55	3.50464	1.30675	1.78712	3.90E-03	2.12E-05	3.07E-05	3.95E-03	2.6E-06	9.2E-08
254	UCART1	587317.41	4093356.55	587317.41, 4093356.55	2.49885	1.07207	1.92689	2.78E-03	1.74E-05	3.31E-05	2.83E-03	1.9E-06	6.6E-08
255	UCART1	587352.41	4093356.55	587352.41, 4093356.55	1.81824	0.88669	2.02841	2.02E-03	1.44E-05	3.49E-05	2.07E-03	1.4E-06	4.8E-08
256	UCART1	587387.41	4093356.55	587387.41, 4093356.55	1.35246	0.73881	2.07428	1.50E-03	1.20E-05	3.57E-05	1.55E-03	1.0E-06	3.6E-08
257	UCART1	587422.41	4093356.55	587422.41, 4093356.55	1.02609	0.62154	2.03956	1.14E-03	1.01E-05	3.51E-05	1.19E-03	7.8E-07	2.8E-08
258	UCART1	587457.41	4093356.55	587457.41, 4093356.55	0.78454	0.52057	1.86422	8.73E-04	8.45E-06	3.20E-05	9.13E-04	6.0E-07	2.1E-08
259	UCART1	587492.41	4093356.55	587492.41, 4093356.55	0.57097	0.41566	1.49004	6.35E-04	6.75E-06	2.56E-05	6.67E-04	4.4E-07	1.6E-08
260	UCART1	586687.41	4093391.55	586687.41, 4093391.55	0.34896	0.46698	0.24892	3.88E-04	7.58E-06	4.28E-06	4.00E-04	2.6E-07	9.4E-09
261	UCART1	586722.41	4093391.55	586722.41, 4093391.55	0.40999	0.57126	0.2791	4.56E-04	9.27E-06	4.80E-06	4.70E-04	3.1E-07	1.1E-08
262	UCART1	586757.41	4093391.55	586757.41, 4093391.55	0.48887	0.7168	0.31381	5.44E-04	1.16E-05	5.39E-06	5.61E-04	3.7E-07	1.3E-08
263	UCART1	586792.41	4093391.55	586792.41, 4093391.55	0.59262	0.93016	0.35346	6.59E-04	1.51E-05	6.07E-06	6.80E-04	4.5E-07	1.6E-08
264	UCART1	586827.41	4093391.55	586827.41, 4093391.55	0.73077	1.26122	0.39799	8.13E-04	2.05E-05	6.84E-06	8.40E-04	5.6E-07	2.0E-08
265	UCART1	586862.41	4093391.55	586862.41, 4093391.55	0.92002	1.81354	0.44691	1.02E-03	2.94E-05	7.68E-06	1.06E-03	7.0E-07	2.5E-08
266	UCART1	586897.41	4093391.55	586897.41, 4093391.55	1.19173	2.84466	0.50477	1.33E-03	4.62E-05	8.68E-06	1.38E-03	9.1E-07	3.2E-08
267	UCART1	586932.41	4093391.55	586932.41, 4093391.55	1.59044	5.09058	0.5687	1.77E-03	8.26E-05	9.77E-06	1.86E-03	1.2E-06	4.4E-08
268	UCART1	586967.41	4093391.55	586967.41, 4093391.55	2.19633	11.32621	0.63714	2.44E-03	1.84E-04	1.10E-05	2.64E-03	1.7E-06	6.2E-08
269	UCART1	587037.41	4093391.55	587037.41, 4093391.55	4.54015	13.12197	0.78661	5.05E-03	2.13E-04	1.35E-05	5.28E-03	3.5E-06	1.2E-07
270	UCART1	587072.41	4093391.55	587072.41, 4093391.55	6.3646	7.24977	0.86982	7.08E-03	1.18E-04	1.49E-05	7.21E-03	4.8E-06	1.7E-07
271	UCART1	587107.41	4093391.55	587107.41, 4093391.55	7.93142	4.66015	0.95599	8.82E-03	7.57E-05	1.64E-05	8.91E-03	5.9E-06	2.1E-07
272	UCART1	587177.41	4093391.55	587177.41, 4093391.55	7.5091	2.45096	1.13678	8.35E-03	3.98E-05	1.95E-05	8.41E-03	5.6E-06	2.0E-07
273	UCART1	587212.41	4093391.55	587212.41, 4093391.55	5.74958	1.89918	1.22575	6.39E-03	3.08E-05	2.11E-05	6.45E-03	4.3E-06	1.5E-07
274	UCART1	587247.41	4093391.55	587247.41, 4093391.55	4.24482	1.51017	1.31348	4.72E-03	2.45E-05	2.26E-05	4.77E-03	3.2E-06	1.1E-07
275	UCART1	587282.41	4093391.55	587282.41, 4093391.55	3.13379	1.22506	1.39896	3.49E-03	1.99E-05	2.40E-05	3.53E-03	2.3E-06	8.3E-08
276	UCART1	587317.41	4093391.55	587317.41, 4093391.55	2.35195	1.01585	1.48951	2.62E-03	1.65E-05	2.56E-05	2.66E-03	1.8E-06	6.2E-08
277	UCART1	587352.41	4093391.55	587352.41, 4093391.55	1.7743	0.84704	1.54577	1.97E-03	1.38E-05	2.66E-05	2.01E-03	1.3E-06	4.7E-08

278	UCART1	587387.41	4093391.55	587387.41, 4093391.55	1.35	0.71022	1.55822	1.50E-03	1.15E-05	2.68E-05	1.54E-03	1.0E-06	3.6E-08
279	UCART1	587422.41	4093391.55	587422.41, 4093391.55	1.04005	0.60008	1.52151	1.16E-03	9.74E-06	2.62E-05	1.19E-03	7.9E-07	2.8E-08
280	UCART1	586687.41	4093426.55	586687.41, 4093426.55	0.32916	0.45362	0.23096	3.66E-04	7.36E-06	3.97E-06	3.77E-04	2.5E-07	8.8E-09
281	UCART1	586722.41	4093426.55	586722.41, 4093426.55	0.38426	0.55543	0.25684	4.27E-04	9.02E-06	4.41E-06	4.41E-04	2.9E-07	1.0E-08
282	UCART1	586757.41	4093426.55	586757.41, 4093426.55	0.45417	0.69907	0.28614	5.05E-04	1.13E-05	4.92E-06	5.21E-04	3.4E-07	1.2E-08
283	UCART1	586792.41	4093426.55	586792.41, 4093426.55	0.54369	0.91144	0.31882	6.05E-04	1.48E-05	5.48E-06	6.25E-04	4.1E-07	1.5E-08
284	UCART1	586827.41	4093426.55	586827.41, 4093426.55	0.65886	1.2471	0.35413	7.33E-04	2.02E-05	6.09E-06	7.59E-04	5.0E-07	1.8E-08
285	UCART1	586862.41	4093426.55	586862.41, 4093426.55	0.8166	1.83345	0.39646	9.08E-04	2.98E-05	6.81E-06	9.45E-04	6.3E-07	2.2E-08
286	UCART1	586897.41	4093426.55	586897.41, 4093426.55	1.03165	2.99955	0.44346	1.15E-03	4.87E-05	7.62E-06	1.20E-03	8.0E-07	2.8E-08
287	UCART1	586932.41	4093426.55	586932.41, 4093426.55	1.33142	5.84325	0.49448	1.48E-03	9.49E-05	8.50E-06	1.58E-03	1.0E-06	3.7E-08
288	UCART1	586967.41	4093426.55	586967.41, 4093426.55	1.75098	15.37856	0.54814	1.95E-03	2.50E-04	9.42E-06	2.21E-03	1.5E-06	5.2E-08
289	UCART1	587002.41	4093426.55	587002.41, 4093426.55	2.33593	16.86956	0.60542	2.60E-03	2.74E-04	1.04E-05	2.88E-03	1.9E-06	6.7E-08
290	UCART1	587037.41	4093426.55	587037.41, 4093426.55	3.12338	10.1978	0.66871	3.47E-03	1.66E-04	1.15E-05	3.65E-03	2.4E-06	8.5E-08
291	UCART1	587072.41	4093426.55	587072.41, 4093426.55	4.04002	5.97633	0.73414	4.49E-03	9.70E-05	1.26E-05	4.60E-03	3.0E-06	1.1E-07
292	UCART1	587107.41	4093426.55	587107.41, 4093426.55	4.83042	3.99684	0.80127	5.37E-03	6.49E-05	1.38E-05	5.45E-03	3.6E-06	1.3E-07
293	UCART1	587177.41	4093426.55	587177.41, 4093426.55	4.91566	2.20331	0.93711	5.47E-03	3.58E-05	1.61E-05	5.52E-03	3.7E-06	1.3E-07
294	UCART1	587212.41	4093426.55	587212.41, 4093426.55	4.18906	1.7341	1.00262	4.66E-03	2.82E-05	1.72E-05	4.70E-03	3.1E-06	1.1E-07
295	UCART1	587247.41	4093426.55	587247.41, 4093426.55	3.38299	1.3966	1.06459	3.76E-03	2.27E-05	1.83E-05	3.80E-03	2.5E-06	8.9E-08
296	UCART1	587282.41	4093426.55	587282.41, 4093426.55	2.67332	1.1446	1.12135	2.97E-03	1.86E-05	1.93E-05	3.01E-03	2.0E-06	7.0E-08
297	UCART1	587317.41	4093426.55	587317.41, 4093426.55	2.11448	0.95648	1.18058	2.35E-03	1.55E-05	2.03E-05	2.39E-03	1.6E-06	5.6E-08
298	UCART1	587352.41	4093426.55	587352.41, 4093426.55	1.66815	0.80794	1.2203	1.86E-03	1.31E-05	2.10E-05	1.89E-03	1.3E-06	4.4E-08
299	UCART1	587387.41	4093426.55	587387.41, 4093426.55	1.31737	0.68639	1.23227	1.47E-03	1.11E-05	2.12E-05	1.50E-03	9.9E-07	3.5E-08
300	UCART1	587422.41	4093426.55	587422.41, 4093426.55	1.04595	0.58619	1.21196	1.16E-03	9.52E-06	2.08E-05	1.19E-03	7.9E-07	2.8E-08
301	UCART1	587457.41	4093426.55	587457.41, 4093426.55	0.80935	0.48731	1.10343	9.00E-04	7.91E-06	1.90E-05	9.27E-04	6.1E-07	2.2E-08
302	UCART1	587492.41	4093426.55	587492.41, 4093426.55	0.59605	0.38944	0.92645	6.63E-04	6.32E-06	1.59E-05	6.85E-04	4.5E-07	1.6E-08
303	UCART1	586687.41	4093461.55	586687.41, 4093461.55	0.31064	0.4322	0.21492	3.45E-04	7.02E-06	3.69E-06	3.56E-04	2.4E-07	8.3E-09
304	UCART1	586722.41	4093461.55	586722.41, 4093461.55	0.35974	0.52713	0.23716	4.00E-04	8.56E-06	4.08E-06	4.13E-04	2.7E-07	9.7E-09
305	UCART1	586757.41	4093461.55	586757.41, 4093461.55	0.42052	0.66046	0.26191	4.68E-04	1.07E-05	4.50E-06	4.83E-04	3.2E-07	1.1E-08
306	UCART1	586792.41	4093461.55	586792.41, 4093461.55	0.49509	0.85732	0.28787	5.51E-04	1.39E-05	4.95E-06	5.69E-04	3.8E-07	1.3E-08
307	UCART1	586827.41	4093461.55	586827.41, 4093461.55	0.59265	1.17348	0.31892	6.59E-04	1.91E-05	5.48E-06	6.84E-04	4.5E-07	1.6E-08
308	UCART1	586862.41	4093461.55	586862.41, 4093461.55	0.72022	1.73395	0.35378	8.01E-04	2.81E-05	6.08E-06	8.35E-04	5.5E-07	2.0E-08
309	UCART1	586897.41	4093461.55	586897.41, 4093461.55	0.88921	2.90839	0.39216	9.89E-04	4.72E-05	6.74E-06	1.04E-03	6.9E-07	2.4E-08
310	UCART1	586932.41	4093461.55	586932.41, 4093461.55	1.11442	6.17557	0.43339	1.24E-03	1.00E-04	7.45E-06	1.35E-03	8.9E-07	3.2E-08
311	UCART1	587002.41	4093461.55	587002.41, 4093461.55	1.79263	15.1892	0.52365	1.99E-03	2.47E-04	9.00E-06	2.25E-03	1.5E-06	5.3E-08
312	UCART1	587037.41	4093461.55	587037.41, 4093461.55	2.26024	7.86287	0.57382	2.51E-03	1.28E-04	9.86E-06	2.65E-03	1.8E-06	6.2E-08
313	UCART1	587072.41	4093461.55	587072.41, 4093461.55	2.77791	4.90675	0.62616	3.09E-03	7.97E-05	1.08E-05	3.18E-03	2.1E-06	7.4E-08
314	UCART1	587107.41	4093461.55	587107.41, 4093461.55	3.22657	3.41571	0.67893	3.59E-03	5.55E-05	1.17E-05	3.66E-03	2.4E-06	8.6E-08
315	UCART1	587142.41	4093461.55	587142.41, 4093461.55	3.46719	2.54124	0.73192	3.86E-03	4.13E-05	1.26E-05	3.91E-03	2.6E-06	9.1E-08
316	UCART1	587177.41	4093461.55	587177.41, 4093461.55	3.40092	1.9731	0.78323	3.78E-03	3.20E-05	1.35E-05	3.83E-03	2.5E-06	9.0E-08
317	UCART1	587212.41	4093461.55	587212.41, 4093461.55	3.08033	1.5776	0.83322	3.43E-03	2.56E-05	1.43E-05	3.47E-03	2.3E-06	8.1E-08
318	UCART1	587247.41	4093461.55	587247.41, 4093461.55	2.65261	1.28789	0.87968	2.95E-03	2.09E-05	1.51E-05	2.99E-03	2.0E-06	7.0E-08
319	UCART1	587282.41	4093461.55	587282.41, 4093461.55	2.21867	1.06719	0.91949	2.47E-03	1.73E-05	1.58E-05	2.50E-03	1.7E-06	5.8E-08
320	UCART1	587352.41	4093461.55	587352.41, 4093461.55	1.50505	0.76228	0.97824	1.67E-03	1.24E-05	1.68E-05	1.70E-03	1.1E-06	4.0E-08
321	UCART1	587387.41	4093461.55	587387.41, 4093461.55	1.23219	0.65358	0.98765	1.37E-03	1.06E-05	1.70E-05	1.40E-03	9.2E-07	3.3E-08
322	UCART1	587422.41	4093461.55	587422.41, 4093461.55	1.00902	0.56526	0.97907	1.12E-03	9.18E-06	1.68E-05	1.15E-03	7.6E-07	2.7E-08
323	UCART1	587457.41	4093461.55	587457.41, 4093461.55	0.8276	0.49083	0.94463	9.20E-04	7.97E-06	1.62E-05	9.45E-04	6.3E-07	2.2E-08
324	UCART1	586652.41	4093496.55	586652.41, 4093496.55	0.25703	0.34164	0.18314	2.86E-04	5.55E-06	3.15E-06	2.95E-04	1.9E-07	6.9E-09
325	UCART1	586687.41	4093496.55	586687.41, 4093496.55	0.29267	0.40488	0.2004	3.25E-04	6.57E-06	3.44E-06	3.36E-04	2.2E-07	7.8E-09
326	UCART1	586722.41	4093496.55	586722.41, 4093496.55	0.33581	0.48971	0.21961	3.73E-04	7.95E-06	3.77E-06	3.85E-04	2.5E-07	9.0E-09
327	UCART1	586757.41	4093496.55	586757.41, 4093496.55	0.38795	0.60659	0.24004	4.31E-04	9.85E-06	4.13E-06	4.45E-04	2.9E-07	1.0E-08
328	UCART1	586792.41	4093496.55	586792.41, 4093496.55	0.45147	0.77729	0.26299	5.02E-04	1.26E-05	4.52E-06	5.19E-04	3.4E-07	1.2E-08
329	UCART1	586827.41	4093496.55	586827.41, 4093496.55	0.53256	1.04345	0.28918	5.92E-04	1.69E-05	4.97E-06	6.14E-04	4.1E-07	1.4E-08
330	UCART1	586897.41	4093496.55	586897.41, 4093496.55	0.76911	2.38962	0.34957	8.55E-04	3.88E-05	6.01E-06	9.00E-04	6.0E-07	2.1E-08
331	UCART1	586932.41	4093496.55	586932.41, 4093496.55	0.93859	4.61732	0.38301	1.04E-03	7.50E-05	6.58E-06	1.13E-03	7.4E-07	2.6E-08
332	UCART1	587002.41	4093496.55	587002.41, 4093496.55	1.40974	9.43132	0.45747	1.57E-03	1.53E-04	7.86E-06	1.73E-03	1.1E-06	4.0E-08
333	UCART1	587107.41	4093496.55	587107.41, 4093496.55	2.29663	2.88182	0.58156	2.55E-03	4.68E-05	1.00E-05	2.61E-03	1.7E-06	6.1E-08
334	UCART1	587142.41	4093496.55	587142.41, 4093496.55	2.4644	2.21117	0.62331	2.74E-03	3.59E-05	1.07E-05	2.79E-03	1.8E-06	6.5E-08
335	UCART1	587177.41	4093496.55	587177.41, 4093496.55	2.46554	1.75484	0.6633	2.74E-03	2.85E-05	1.14E-05	2.78E-03	1.8E-06	6.5E-08
336	UCART1	587212.41	4093496.55	587212.41, 4093496.55	2.31814	1.42725	0.70213	2.58E-03	2.32E-05	1.21E-05	2.61E-03	1.7E-06	6.1E-08
337	UCART1	587247.41	4093496.55	587247.41, 4093496.55	2.08176	1.18108	0.73689	2.32E-03	1.92E-05	1.27E-05	2.35E-03	1.6E-06	5.5E-08
338	UCART1	587282.41	4093496.55	587282.41, 4093496.55	1.81607	0.98988	0.76566	2.02E-03	1.61E-05	1.32E-05	2.05E-03	1.4E-06	4.8E-08
339	UCART1	587352.41	4093496.55	587352.41, 4093496.55	1.32653	0.71872	0.80388	1.48E-03	1.17E-05	1.38E-05	1.50E-03	9.9E-07	3.5E-08
340	UCART1	587387.41	4093496.55	587387.41, 4093496.55	1.11928	0.62	0.80779	1.24E-03	1.01E-05	1.39E-05	1.27E-03	8.4E-07	3.0E-08
341	UCART1	587422.41	4093496.55	587422.41, 4093496.55	0.93876	0.5375	0.79652	1.04E-03	8.73E-06	1.37E-05	1.07E-03	7.1E-07	2.5E-08
342	UCART1	587457.41	4093496.55	587457.41, 4093496.55	0.78798	0.46964	0.77282	8.76E-04	7.62E-06	1.33E-05	8.97E-04	5.9E-07	2.1E-08
343	UCART1	587492.41	4093496.55	587492.41, 4093496.55	0.66341	0.41334	0.73669	7.38E-04	6.71E-06	1.27E-05	7.57E-04	5.0E-07	1.8E-08
344	UCART1	586652.41	4093531.55	586652.41, 4093531.55	0.24333	0.31954	0.17209	2.71E-04	5.19E-06	2.96E-06	2.79E-04	1.8E-07	6.5E-09
345	UCART1	586687.41	4093531.55	586687.41, 4093531.55	0.27486	0.37551	0.18723	3.06E-04	6.10E-06	3.22E-06	3.15E-04	2.1E-07	7.4E-09
346	UCART1	586722.41	4093531.55	586722.41, 4093531.55	0.31219	0.449	0.20388	3.47E-04	7.29E-06	3.50E-06	3.58E-04	2.4E-07	8.4E-09
347	UCART1	586757.41	4093531.55	586757.41, 4093531.55	0.35564	0.54794	0.22086	3.96E-04	8.90E-06	3.80E-06	4.08E-04	2.7E-07	9.5E-09
348	UCART1	586792.41	4093531.55	586792.41, 4093531.55	0.40994	0.6892	0.2409	4.56E-04	1.12E-05	4.14E-06	4.71E-04	3.1E-07	1.1E-08
349	UCART1	586827.41	4093531.55	586827.41, 4093531.55	0.47726	0.89882	0.263	5.31E-04	1.46E-05	4.52E-06	5.50E-04	3.6E-07	1.3E-08
350	UCART1	586862.41	4093531.55	586862.41, 4093531.55	0.56165	1.23025	0.28716	6.25E-04	2.00E-05	4.94E-06	6.50E-04	4.3E-07	1.5E-08
351	UCART1	586897.41	4093531.55	586897.41, 4093531.55	0.66788	1.80045	0.31345	7.43E-04	2.92E-05	5.39E-06	7.77E-04	5.1E-07	1.8E-08
352	UCART1	586932.41	4093531.55	586932.41, 4093531.55	0.7985	2.84903	0.34155	8.88E-04	4.63E-05	5.87E-06	9.40E-04	6.2E-07	2.2E-08
353	UCART1	586967.41	4093531.55	586967.41, 4093531.55	0.95114	4.43519	0.37072	1.06E-03	7.20E-05	6.37E-06	1.14E-03	7.5E-07	2.7E-08
354	UCART1	587002.41	4093531.55	587002.41, 4093531.55	1.12863	4.90376	0.40225	1.26E-03	7.96E-05	6.91E-06	1.34E-03	8.9E-07	3.1E-08
355	UCART1	587037.41	4093531.55	587037.41, 4093531.55	1.32658	3.97907	0.43558	1.48E-03	6.46E-05	7.49E-06	1.55E-03	1.0E-06	3.6E-08
356	UCART1	587072.41	4093531.55	587072.41, 4093531.55	1.53006	3.05103	0.46929	1.70E-03	4.95E-05	8.07E-06	1.76E-03	1.2E-06	4.1E-08
357	UCART1	587107.41	4093531.55	587107.41, 4093531.55	1.70907	2.37456	0.50246	1.90E-03	3.85E-05	8.64E-06	1.95E-03	1.3E-06	4.6E-08
358	UCART1	587142.41	4093531.55	587142.41, 4093531.55	1.8321	1.89543	0.53637	2.04E-03	3.08E-05	9.22E-06	2.08E-03	1.4E-06	4.9E-08
359	UCART1	587177.41	4093531.55	587177.41, 4093531.55	1.85636	1.54479	0.56832	2.06E-03	2.51E-05	9.77E-06	2.10E-03	1.4E-06	4.9E-08
360	UCART1	587212.41	4093531.55	587212.41, 4093531.55	1.78963	1.28155	0.59925	1.99E-03	2.08E-05	1.03E-05	2.02E-03	1.3E-06	4.7E-08
361	UCART1	587247.41	4093531.55	587247.41, 4093531.55	1.65534	1.0769	0.62608	1.84E-03	1.75E-05	1.08E-05	1.87E-03	1.2E-06	4.4E-08
362	UCART1	587282.41	4093531.55	587282.41, 4093531.55	1.49097	0.91462	0.64846	1.66E-03	1.48E-05	1.11E-05	1.68E-03	1.1E-06	3.9E-08
363	UCART1	587317.41	4093531.55	587317.41, 4093531.55	1.32234	0.78438	0.66632	1.47E-03	1.27E-05	1.15E-05	1.49E-03	9.9E-07	3.5E-08
364	UCART1	587352.41	4093531.55	587352.41, 4093531.55	1.15493	0.6765	0.67506	1.28E-03	1.10E-05	1.16E-05	1.31E-03	8.6E-07	3.1E-08
365	UCART1	587387.41	4093531.55	587387.41, 4093531.55	1.00315	0.58843	0.678	1.12E-03	9.55E-06	1.17E-05	1.14E-03	7.5E-07	2.7E-08
366	UCART1	587422.41	4093531.55	587422.41, 4093531.55	0.86564	0.51479	0.67137	9.63E-04	8.36E-06	1.15E-05	9.83E-04	6.5E-07	2.3E-08
367	UCART1	587457.41	4093531.55	587457.41, 4093531.55	0.74228	0.45191	0.65248	8.26E-04	7.34E-06	1.12E-05	8.44E-04	5.6E-07	2.0E-08
368	UCART1	587492.41	4093531.55	587492.41, 4093531.55	0.63522	0.3986	0.62371	7.06E-04	6.47E-06	1.07E-05	7.24E-04	4.8E-07	1.7E-08

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** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 3/20/2024
** File: C:\Lakes\AERMOD View\908 Ocean_Cons\908 Ocean_Cons.ADI
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** AERMOD Control Pathway
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CO STARTING
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   AVERTIME 1 PERIOD
   URBANOPT 261547 Santa_Cruz
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL "908 Ocean_Cons.err"
CO FINISHED
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** AERMOD Source Pathway
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SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
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** DESCRSRC On-site Construction
** PREFIX
** Length of Side = 13.00
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.80
** SZINIT = 3.16
** Nodes = 8
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   LOCATION L0001052     VOLUME   587138.282 4093288.103 8.37
   LOCATION L0001053     VOLUME   587140.004 4093275.217 8.34
   LOCATION L0001054     VOLUME   587141.725 4093262.332 8.29
   LOCATION L0001055     VOLUME   587143.447 4093249.446 8.24
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   LOCATION L0001062     VOLUME   587153.759 4093160.462 8.00
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   LOCATION L0001073     VOLUME   587077.222 4093238.983 8.53
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   LOCATION L0001076     VOLUME   587065.376 4093276.140 8.69
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   LOCATION L0001094     VOLUME   587126.643 4093227.906 8.32
   LOCATION L0001095     VOLUME   587124.298 4093240.692 8.37
   LOCATION L0001096     VOLUME   587121.952 4093253.479 8.40
   LOCATION L0001097     VOLUME   587119.607 4093266.266 8.44
   LOCATION L0001098     VOLUME   587117.261 4093279.052 8.48
** End of LINE VOLUME Source ID = SLINE1
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Off-site Constuction (Ocean)
** PREFIX
** Length of Side = 15.00
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 7.65
** SZINIT = 3.56
** Nodes = 2
** 586967.372, 4093483.178, 9.74, 3.82, 6.98
** 587156.270, 4092904.845, 6.75, 3.82, 6.98
** ----------------------------------------------------------------------
   LOCATION L0001099     VOLUME   586969.700 4093476.049 9.73
   LOCATION L0001100     VOLUME   586974.358 4093461.790 9.66
   LOCATION L0001101     VOLUME   586979.015 4093447.532 9.63
   LOCATION L0001102     VOLUME   586983.672 4093433.273 9.58
   LOCATION L0001103     VOLUME   586988.329 4093419.014 9.48
   LOCATION L0001104     VOLUME   586992.987 4093404.756 9.36
   LOCATION L0001105     VOLUME   586997.644 4093390.497 9.29
   LOCATION L0001106     VOLUME   587002.301 4093376.238 9.30
   LOCATION L0001107     VOLUME   587006.958 4093361.979 9.26
   LOCATION L0001108     VOLUME   587011.616 4093347.721 9.16
   LOCATION L0001109     VOLUME   587016.273 4093333.462 9.07
   LOCATION L0001110     VOLUME   587020.930 4093319.203 9.00
   LOCATION L0001111     VOLUME   587025.587 4093304.945 8.93
   LOCATION L0001112     VOLUME   587030.245 4093290.686 8.88
   LOCATION L0001113     VOLUME   587034.902 4093276.427 8.81
   LOCATION L0001114     VOLUME   587039.559 4093262.169 8.71
   LOCATION L0001115     VOLUME   587044.216 4093247.910 8.63
   LOCATION L0001116     VOLUME   587048.874 4093233.651 8.62
   LOCATION L0001117     VOLUME   587053.531 4093219.393 8.62
   LOCATION L0001118     VOLUME   587058.188 4093205.134 8.57
   LOCATION L0001119     VOLUME   587062.845 4093190.875 8.50
   LOCATION L0001120     VOLUME   587067.503 4093176.617 8.46
   LOCATION L0001121     VOLUME   587072.160 4093162.358 8.43
   LOCATION L0001122     VOLUME   587076.817 4093148.099 8.41
   LOCATION L0001123     VOLUME   587081.474 4093133.841 8.34
   LOCATION L0001124     VOLUME   587086.132 4093119.582 8.27
   LOCATION L0001125     VOLUME   587090.789 4093105.323 8.22
   LOCATION L0001126     VOLUME   587095.446 4093091.065 8.18
   LOCATION L0001127     VOLUME   587100.103 4093076.806 8.14
   LOCATION L0001128     VOLUME   587104.761 4093062.547 8.07
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   LOCATION L0001129     VOLUME   587109.418 4093048.288 7.92
   LOCATION L0001130     VOLUME   587114.075 4093034.030 7.67
   LOCATION L0001131     VOLUME   587118.732 4093019.771 7.45
   LOCATION L0001132     VOLUME   587123.390 4093005.512 7.29
   LOCATION L0001133     VOLUME   587128.047 4092991.254 7.14
   LOCATION L0001134     VOLUME   587132.704 4092976.995 7.06
   LOCATION L0001135     VOLUME   587137.361 4092962.736 7.01
   LOCATION L0001136     VOLUME   587142.019 4092948.478 6.99
   LOCATION L0001137     VOLUME   587146.676 4092934.219 6.95
   LOCATION L0001138     VOLUME   587151.333 4092919.960 6.88
   LOCATION L0001139     VOLUME   587155.990 4092905.702 6.80
** End of LINE VOLUME Source ID = SLINE2
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE3
** DESCRSRC Off-site Construction (Water)
** PREFIX
** Length of Side = 15.00
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 7.65
** SZINIT = 3.56
** Nodes = 5
** 586867.197, 4092952.498, 7.16, 3.82, 6.98
** 586903.014, 4092977.781, 7.94, 3.82, 6.98
** 587082.098, 4093045.201, 8.02, 3.82, 6.98
** 587383.381, 4093182.147, 8.96, 3.82, 6.98
** 587459.228, 4093200.056, 8.38, 3.82, 6.98
** ----------------------------------------------------------------------
   LOCATION L0001140     VOLUME   586873.324 4092956.823 7.64
   LOCATION L0001141     VOLUME   586885.579 4092965.474 7.89
   LOCATION L0001142     VOLUME   586897.833 4092974.124 7.77
   LOCATION L0001143     VOLUME   586911.118 4092980.832 7.75
   LOCATION L0001144     VOLUME   586925.156 4092986.116 7.80
   LOCATION L0001145     VOLUME   586939.194 4092991.401 7.74
   LOCATION L0001146     VOLUME   586953.232 4092996.686 7.88
   LOCATION L0001147     VOLUME   586967.270 4093001.971 7.95
   LOCATION L0001148     VOLUME   586981.308 4093007.256 7.92
   LOCATION L0001149     VOLUME   586995.346 4093012.541 7.89
   LOCATION L0001150     VOLUME   587009.384 4093017.826 7.89
   LOCATION L0001151     VOLUME   587023.423 4093023.111 7.92
   LOCATION L0001152     VOLUME   587037.461 4093028.396 7.97
   LOCATION L0001153     VOLUME   587051.499 4093033.681 7.98
   LOCATION L0001154     VOLUME   587065.537 4093038.966 7.99
   LOCATION L0001155     VOLUME   587079.575 4093044.251 7.98
   LOCATION L0001156     VOLUME   587093.299 4093050.292 7.99
   LOCATION L0001157     VOLUME   587106.955 4093056.499 8.03
   LOCATION L0001158     VOLUME   587120.610 4093062.706 8.02
   LOCATION L0001159     VOLUME   587134.266 4093068.913 8.00
   LOCATION L0001160     VOLUME   587147.921 4093075.120 8.00
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   LOCATION L0001161     VOLUME   587161.577 4093081.327 7.94
   LOCATION L0001162     VOLUME   587175.232 4093087.534 7.84
   LOCATION L0001163     VOLUME   587188.888 4093093.742 7.76
   LOCATION L0001164     VOLUME   587202.543 4093099.949 7.71
   LOCATION L0001165     VOLUME   587216.199 4093106.156 7.76
   LOCATION L0001166     VOLUME   587229.854 4093112.363 7.89
   LOCATION L0001167     VOLUME   587243.510 4093118.570 7.99
   LOCATION L0001168     VOLUME   587257.165 4093124.777 8.09
   LOCATION L0001169     VOLUME   587270.821 4093130.984 8.26
   LOCATION L0001170     VOLUME   587284.476 4093137.191 8.44
   LOCATION L0001171     VOLUME   587298.132 4093143.398 8.67
   LOCATION L0001172     VOLUME   587311.787 4093149.605 8.75
   LOCATION L0001173     VOLUME   587325.443 4093155.812 8.32
   LOCATION L0001174     VOLUME   587339.098 4093162.019 7.87
   LOCATION L0001175     VOLUME   587352.754 4093168.226 7.76
   LOCATION L0001176     VOLUME   587366.409 4093174.433 8.28
   LOCATION L0001177     VOLUME   587380.065 4093180.640 8.96
   LOCATION L0001178     VOLUME   587394.434 4093184.757 8.89
   LOCATION L0001179     VOLUME   587409.033 4093188.204 8.82
   LOCATION L0001180     VOLUME   587423.632 4093191.651 8.66
   LOCATION L0001181     VOLUME   587438.230 4093195.098 8.51
   LOCATION L0001182     VOLUME   587452.829 4093198.545 8.36
** End of LINE VOLUME Source ID = SLINE3
** Source Parameters **
** LINE VOLUME Source ID = SLINE1
   SRCPARAM L0001049          0.02      3.40      6.05      3.16
   SRCPARAM L0001050          0.02      3.40      6.05      3.16
   SRCPARAM L0001051          0.02      3.40      6.05      3.16
   SRCPARAM L0001052          0.02      3.40      6.05      3.16
   SRCPARAM L0001053          0.02      3.40      6.05      3.16
   SRCPARAM L0001054          0.02      3.40      6.05      3.16
   SRCPARAM L0001055          0.02      3.40      6.05      3.16
   SRCPARAM L0001056          0.02      3.40      6.05      3.16
   SRCPARAM L0001057          0.02      3.40      6.05      3.16
   SRCPARAM L0001058          0.02      3.40      6.05      3.16
   SRCPARAM L0001059          0.02      3.40      6.05      3.16
   SRCPARAM L0001060          0.02      3.40      6.05      3.16
   SRCPARAM L0001061          0.02      3.40      6.05      3.16
   SRCPARAM L0001062          0.02      3.40      6.05      3.16
   SRCPARAM L0001063          0.02      3.40      6.05      3.16
   SRCPARAM L0001064          0.02      3.40      6.05      3.16
   SRCPARAM L0001065          0.02      3.40      6.05      3.16
   SRCPARAM L0001066          0.02      3.40      6.05      3.16
   SRCPARAM L0001067          0.02      3.40      6.05      3.16
   SRCPARAM L0001068          0.02      3.40      6.05      3.16
   SRCPARAM L0001069          0.02      3.40      6.05      3.16
   SRCPARAM L0001070          0.02      3.40      6.05      3.16
   SRCPARAM L0001071          0.02      3.40      6.05      3.16
   SRCPARAM L0001072          0.02      3.40      6.05      3.16
   SRCPARAM L0001073          0.02      3.40      6.05      3.16
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   SRCPARAM L0001074          0.02      3.40      6.05      3.16
   SRCPARAM L0001075          0.02      3.40      6.05      3.16
   SRCPARAM L0001076          0.02      3.40      6.05      3.16
   SRCPARAM L0001077          0.02      3.40      6.05      3.16
   SRCPARAM L0001078          0.02      3.40      6.05      3.16
   SRCPARAM L0001079          0.02      3.40      6.05      3.16
   SRCPARAM L0001080          0.02      3.40      6.05      3.16
   SRCPARAM L0001081          0.02      3.40      6.05      3.16
   SRCPARAM L0001082          0.02      3.40      6.05      3.16
   SRCPARAM L0001083          0.02      3.40      6.05      3.16
   SRCPARAM L0001084          0.02      3.40      6.05      3.16
   SRCPARAM L0001085          0.02      3.40      6.05      3.16
   SRCPARAM L0001086          0.02      3.40      6.05      3.16
   SRCPARAM L0001087          0.02      3.40      6.05      3.16
   SRCPARAM L0001088          0.02      3.40      6.05      3.16
   SRCPARAM L0001089          0.02      3.40      6.05      3.16
   SRCPARAM L0001090          0.02      3.40      6.05      3.16
   SRCPARAM L0001091          0.02      3.40      6.05      3.16
   SRCPARAM L0001092          0.02      3.40      6.05      3.16
   SRCPARAM L0001093          0.02      3.40      6.05      3.16
   SRCPARAM L0001094          0.02      3.40      6.05      3.16
   SRCPARAM L0001095          0.02      3.40      6.05      3.16
   SRCPARAM L0001096          0.02      3.40      6.05      3.16
   SRCPARAM L0001097          0.02      3.40      6.05      3.16
   SRCPARAM L0001098          0.02      3.40      6.05      3.16
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE2
   SRCPARAM L0001099     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001100     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001101     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001102     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001103     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001104     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001105     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001106     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001107     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001108     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001109     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001110     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001111     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001112     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001113     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001114     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001115     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001116     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001117     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001118     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001119     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001120     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001121     0.0243902439      3.82      6.98      3.56
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   SRCPARAM L0001122     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001123     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001124     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001125     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001126     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001127     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001128     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001129     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001130     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001131     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001132     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001133     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001134     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001135     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001136     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001137     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001138     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001139     0.0243902439      3.82      6.98      3.56
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE3
   SRCPARAM L0001140     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001141     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001142     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001143     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001144     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001145     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001146     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001147     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001148     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001149     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001150     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001151     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001152     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001153     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001154     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001155     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001156     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001157     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001158     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001159     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001160     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001161     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001162     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001163     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001164     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001165     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001166     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001167     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001168     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001169     0.023255814      3.82      6.98      3.56
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   SRCPARAM L0001170     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001171     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001172     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001173     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001174     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001175     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001176     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001177     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001178     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001179     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001180     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001181     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001182     0.023255814      3.82      6.98      3.56
** ------------------------------------------------------------------
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
   EMISFACT L0001049     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001049     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001049     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001049     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001050     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001050     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001050     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001050     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001051     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001051     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001051     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001051     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001052     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001052     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001052     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001052     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001053     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001053     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001053     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001053     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001054     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001054     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001054     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001054     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001055     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001055     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001055     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001055     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001056     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001056     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001056     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0001056     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001057     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001057     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001057     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001057     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001058     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001058     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001058     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001058     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001059     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001059     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001059     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001059     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001060     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001060     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001060     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001060     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001061     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001090     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001091     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001091     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001091     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001091     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001092     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001092     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001092     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001092     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001093     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001093     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001093     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0001093     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001094     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001094     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0001094     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001095     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0001095     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0001096     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001097     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001097     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001097     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0001098     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT L0001099     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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   EMISFACT L0001100     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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   EMISFACT L0001102     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0001103     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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   EMISFACT L0001104     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0001105     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001118     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0001127     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001130     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001130     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001130     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0001102     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001103     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001104     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001104     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0001137     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001138     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001138     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001138     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001138     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001139     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001139     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001139     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001139     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT L0001140     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001140     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001140     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001140     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001141     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001141     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001141     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001141     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001142     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001142     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001142     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001142     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001143     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001143     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001143     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001143     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001144     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001144     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001144     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001144     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001145     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0001145     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001146     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001146     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
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   EMISFACT L0001146     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001147     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001147     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001147     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001147     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001148     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001148     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0001149     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001150     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001150     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001150     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001151     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001159     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001159     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001160     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001160     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001160     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0001162     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001163     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001168     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0001169     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
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EMISFACT L0001171     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001172     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001172     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001172     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001172     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001173     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0001173     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001173     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Saturday:
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   EMISFACT L0001140     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001140     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001140     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001141     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001141     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001141     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001141     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001142     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001142     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001142     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001143     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001154     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001180     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001181     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001181     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001181     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001181     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001182     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001182     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001182     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001182     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
SRCGROUP OnSite   L0001049 L0001050 L0001051 L0001052 L0001053 L0001054
SRCGROUP OnSite   L0001055 L0001056 L0001057 L0001058 L0001059 L0001060
SRCGROUP OnSite   L0001061 L0001062 L0001063 L0001064 L0001065 L0001066
SRCGROUP OnSite   L0001067 L0001068 L0001069 L0001070 L0001071 L0001072
SRCGROUP OnSite   L0001073 L0001074 L0001075 L0001076 L0001077 L0001078
SRCGROUP OnSite   L0001079 L0001080 L0001081 L0001082 L0001083 L0001084
SRCGROUP OnSite   L0001085 L0001086 L0001087 L0001088 L0001089 L0001090
SRCGROUP OnSite   L0001091 L0001092 L0001093 L0001094 L0001095 L0001096
SRCGROUP OnSite   L0001097 L0001098
SRCGROUP OffsiteO L0001099 L0001100 L0001101 L0001102 L0001103 L0001104
SRCGROUP OffsiteO L0001105 L0001106 L0001107 L0001108 L0001109 L0001110
SRCGROUP OffsiteO L0001111 L0001112 L0001113 L0001114 L0001115 L0001116
SRCGROUP OffsiteO L0001117 L0001118 L0001119 L0001120 L0001121 L0001122
SRCGROUP OffsiteO L0001123 L0001124 L0001125 L0001126 L0001127 L0001128
SRCGROUP OffsiteO L0001129 L0001130 L0001131 L0001132 L0001133 L0001134
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   SRCGROUP OffsiteO L0001135 L0001136 L0001137 L0001138 L0001139
   SRCGROUP OffsiteW L0001140 L0001141 L0001142 L0001143 L0001144 L0001145
   SRCGROUP OffsiteW L0001146 L0001147 L0001148 L0001149 L0001150 L0001151
   SRCGROUP OffsiteW L0001152 L0001153 L0001154 L0001155 L0001156 L0001157
   SRCGROUP OffsiteW L0001158 L0001159 L0001160 L0001161 L0001162 L0001163
   SRCGROUP OffsiteW L0001164 L0001165 L0001166 L0001167 L0001168 L0001169
   SRCGROUP OffsiteW L0001170 L0001171 L0001172 L0001173 L0001174 L0001175
   SRCGROUP OffsiteW L0001176 L0001177 L0001178 L0001179 L0001180 L0001181
   SRCGROUP OffsiteW L0001182
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "908 Ocean_Cons.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE 745058_2015-2019_AdjU.sfc
   PROFFILE 745058_2015-2019_AdjU.PFL
   SURFDATA 23277 2015
   UAIRDATA 23230 2015 OAKLAND/WSO_AP
   PROFBASE 48.8 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "908 Ocean_Cons.AD\01H1GALL.PLT" 31
   PLOTFILE 1 OnSite 1ST "908 Ocean_Cons.AD\01H1G001.PLT" 32
   PLOTFILE 1 OffsiteO 1ST "908 Ocean_Cons.AD\01H1G002.PLT" 33
   PLOTFILE 1 OffsiteW 1ST "908 Ocean_Cons.AD\01H1G003.PLT" 34
   PLOTFILE PERIOD ALL "908 Ocean_Cons.AD\PE00GALL.PLT" 35
   PLOTFILE PERIOD OnSite "908 Ocean_Cons.AD\PE00G001.PLT" 36
   PLOTFILE PERIOD OffsiteO "908 Ocean_Cons.AD\PE00G002.PLT" 37
```

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   PLOTFILE PERIOD OffsiteW "908 Ocean_Cons.AD\PE00G003.PLT" 38
   SUMMFILE "908 Ocean_Cons.sum"
OU FINISHED
**
**************************************
** Project Parameters
**************************************
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    World Geodetic System 1984
** DTMRGN   Global Definition
** UNITS    m
** ZONE     10
** ZONEINX  0
**
```

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**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 3/20/2024
** File: C:\Lakes\AERMOD View\908 Ocean_Cons\908 Ocean_Cons.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\908 Ocean_Cons\908 Ocean_Cons.isc
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 261547 Santa_Cruz
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL "908 Ocean_Cons.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC On-site Construction
** PREFIX
** Length of Side = 13.00
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.80
** SZINIT = 3.16
** Nodes = 8
** 587132.255, 4093333.202, 8.47, 3.40, 6.05
** 587155.293, 4093160.806, 7.95, 3.40, 6.05
** 587105.696, 4093149.672, 8.34, 3.40, 6.05
** 587058.797, 4093296.776, 8.78, 3.40, 6.05
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** 587080.053, 4093302.175, 8.62, 3.40, 6.05
** 587118.399, 4093180.428, 8.22, 3.40, 6.05
** 587134.955, 4093182.592, 8.20, 3.40, 6.05
** 587116.856, 4093281.263, 8.41, 3.40, 6.05
** ------------------------------------------------------------------
   LOCATION L0001049     VOLUME   587133.116 4093326.759 8.46
   LOCATION L0001050     VOLUME   587134.838 4093313.874 8.43
   LOCATION L0001051     VOLUME   587136.560 4093300.988 8.41
   LOCATION L0001052     VOLUME   587138.282 4093288.103 8.37
   LOCATION L0001053     VOLUME   587140.004 4093275.217 8.34
   LOCATION L0001054     VOLUME   587141.725 4093262.332 8.29
   LOCATION L0001055     VOLUME   587143.447 4093249.446 8.24
   LOCATION L0001056     VOLUME   587145.169 4093236.561 8.17
   LOCATION L0001057     VOLUME   587146.891 4093223.676 8.12
   LOCATION L0001058     VOLUME   587148.613 4093210.790 8.07
   LOCATION L0001059     VOLUME   587150.335 4093197.905 8.04
   LOCATION L0001060     VOLUME   587152.057 4093185.019 8.01
   LOCATION L0001061     VOLUME   587153.779 4093172.134 7.99
   LOCATION L0001062     VOLUME   587153.759 4093160.462 8.00
   LOCATION L0001063     VOLUME   587141.075 4093157.614 8.18
   LOCATION L0001064     VOLUME   587128.391 4093154.767 8.30
   LOCATION L0001065     VOLUME   587115.706 4093151.919 8.32
   LOCATION L0001066     VOLUME   587104.863 4093152.282 8.34
   LOCATION L0001067     VOLUME   587100.915 4093164.668 8.34
   LOCATION L0001068     VOLUME   587096.966 4093177.054 8.36
   LOCATION L0001069     VOLUME   587093.017 4093189.440 8.42
   LOCATION L0001070     VOLUME   587089.069 4093201.825 8.47
   LOCATION L0001071     VOLUME   587085.120 4093214.211 8.49
   LOCATION L0001072     VOLUME   587081.171 4093226.597 8.51
   LOCATION L0001073     VOLUME   587077.222 4093238.983 8.53
   LOCATION L0001074     VOLUME   587073.274 4093251.369 8.58
   LOCATION L0001075     VOLUME   587069.325 4093263.754 8.63
   LOCATION L0001076     VOLUME   587065.376 4093276.140 8.69
   LOCATION L0001077     VOLUME   587061.428 4093288.526 8.74
   LOCATION L0001078     VOLUME   587063.004 4093297.845 8.74
   LOCATION L0001079     VOLUME   587075.604 4093301.045 8.66
   LOCATION L0001080     VOLUME   587082.580 4093294.153 8.59
   LOCATION L0001081     VOLUME   587086.485 4093281.754 8.55
   LOCATION L0001082     VOLUME   587090.391 4093269.354 8.51
   LOCATION L0001083     VOLUME   587094.296 4093256.955 8.49
   LOCATION L0001084     VOLUME   587098.201 4093244.555 8.46
   LOCATION L0001085     VOLUME   587102.107 4093232.156 8.43
   LOCATION L0001086     VOLUME   587106.012 4093219.756 8.40
   LOCATION L0001087     VOLUME   587109.917 4093207.357 8.36
   LOCATION L0001088     VOLUME   587113.823 4093194.957 8.29
   LOCATION L0001089     VOLUME   587117.728 4093182.558 8.24
   LOCATION L0001090     VOLUME   587129.075 4093181.823 8.22
   LOCATION L0001091     VOLUME   587133.680 4093189.546 8.21
   LOCATION L0001092     VOLUME   587131.334 4093202.332 8.24
   LOCATION L0001093     VOLUME   587128.989 4093215.119 8.28
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   LOCATION L0001094     VOLUME   587126.643 4093227.906 8.32
   LOCATION L0001095     VOLUME   587124.298 4093240.692 8.37
   LOCATION L0001096     VOLUME   587121.952 4093253.479 8.40
   LOCATION L0001097     VOLUME   587119.607 4093266.266 8.44
   LOCATION L0001098     VOLUME   587117.261 4093279.052 8.48
** End of LINE VOLUME Source ID = SLINE1
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Off-site Constuction (Ocean)
** PREFIX
** Length of Side = 15.00
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 7.65
** SZINIT = 3.56
** Nodes = 2
** 586967.372, 4093483.178, 9.74, 3.82, 6.98
** 587156.270, 4092904.845, 6.75, 3.82, 6.98
** ----------------------------------------------------------------------
   LOCATION L0001099     VOLUME   586969.700 4093476.049 9.73
   LOCATION L0001100     VOLUME   586974.358 4093461.790 9.66
   LOCATION L0001101     VOLUME   586979.015 4093447.532 9.63
   LOCATION L0001102     VOLUME   586983.672 4093433.273 9.58
   LOCATION L0001103     VOLUME   586988.329 4093419.014 9.48
   LOCATION L0001104     VOLUME   586992.987 4093404.756 9.36
   LOCATION L0001105     VOLUME   586997.644 4093390.497 9.29
   LOCATION L0001106     VOLUME   587002.301 4093376.238 9.30
   LOCATION L0001107     VOLUME   587006.958 4093361.979 9.26
   LOCATION L0001108     VOLUME   587011.616 4093347.721 9.16
   LOCATION L0001109     VOLUME   587016.273 4093333.462 9.07
   LOCATION L0001110     VOLUME   587020.930 4093319.203 9.00
   LOCATION L0001111     VOLUME   587025.587 4093304.945 8.93
   LOCATION L0001112     VOLUME   587030.245 4093290.686 8.88
   LOCATION L0001113     VOLUME   587034.902 4093276.427 8.81
   LOCATION L0001114     VOLUME   587039.559 4093262.169 8.71
   LOCATION L0001115     VOLUME   587044.216 4093247.910 8.63
   LOCATION L0001116     VOLUME   587048.874 4093233.651 8.62
   LOCATION L0001117     VOLUME   587053.531 4093219.393 8.62
   LOCATION L0001118     VOLUME   587058.188 4093205.134 8.57
   LOCATION L0001119     VOLUME   587062.845 4093190.875 8.50
   LOCATION L0001120     VOLUME   587067.503 4093176.617 8.46
   LOCATION L0001121     VOLUME   587072.160 4093162.358 8.43
   LOCATION L0001122     VOLUME   587076.817 4093148.099 8.41
   LOCATION L0001123     VOLUME   587081.474 4093133.841 8.34
   LOCATION L0001124     VOLUME   587086.132 4093119.582 8.27
   LOCATION L0001125     VOLUME   587090.789 4093105.323 8.22
   LOCATION L0001126     VOLUME   587095.446 4093091.065 8.18
   LOCATION L0001127     VOLUME   587100.103 4093076.806 8.14
   LOCATION L0001128     VOLUME   587104.761 4093062.547 8.07
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   LOCATION L0001129     VOLUME   587109.418 4093048.288 7.92
   LOCATION L0001130     VOLUME   587114.075 4093034.030 7.67
   LOCATION L0001131     VOLUME   587118.732 4093019.771 7.45
   LOCATION L0001132     VOLUME   587123.390 4093005.512 7.29
   LOCATION L0001133     VOLUME   587128.047 4092991.254 7.14
   LOCATION L0001134     VOLUME   587132.704 4092976.995 7.06
   LOCATION L0001135     VOLUME   587137.361 4092962.736 7.01
   LOCATION L0001136     VOLUME   587142.019 4092948.478 6.99
   LOCATION L0001137     VOLUME   587146.676 4092934.219 6.95
   LOCATION L0001138     VOLUME   587151.333 4092919.960 6.88
   LOCATION L0001139     VOLUME   587155.990 4092905.702 6.80
** End of LINE VOLUME Source ID = SLINE2
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE3
** DESCRSRC Off-site Construction (Water)
** PREFIX
** Length of Side = 15.00
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 7.65
** SZINIT = 3.56
** Nodes = 5
** 586867.197, 4092952.498, 7.16, 3.82, 6.98
** 586903.014, 4092977.781, 7.94, 3.82, 6.98
** 587082.098, 4093045.201, 8.02, 3.82, 6.98
** 587383.381, 4093182.147, 8.96, 3.82, 6.98
** 587459.228, 4093200.056, 8.38, 3.82, 6.98
** ----------------------------------------------------------------------
   LOCATION L0001140     VOLUME   586873.324 4092956.823 7.64
   LOCATION L0001141     VOLUME   586885.579 4092965.474 7.89
   LOCATION L0001142     VOLUME   586897.833 4092974.124 7.77
   LOCATION L0001143     VOLUME   586911.118 4092980.832 7.75
   LOCATION L0001144     VOLUME   586925.156 4092986.116 7.80
   LOCATION L0001145     VOLUME   586939.194 4092991.401 7.74
   LOCATION L0001146     VOLUME   586953.232 4092996.686 7.88
   LOCATION L0001147     VOLUME   586967.270 4093001.971 7.95
   LOCATION L0001148     VOLUME   586981.308 4093007.256 7.92
   LOCATION L0001149     VOLUME   586995.346 4093012.541 7.89
   LOCATION L0001150     VOLUME   587009.384 4093017.826 7.89
   LOCATION L0001151     VOLUME   587023.423 4093023.111 7.92
   LOCATION L0001152     VOLUME   587037.461 4093028.396 7.97
   LOCATION L0001153     VOLUME   587051.499 4093033.681 7.98
   LOCATION L0001154     VOLUME   587065.537 4093038.966 7.99
   LOCATION L0001155     VOLUME   587079.575 4093044.251 7.98
   LOCATION L0001156     VOLUME   587093.299 4093050.292 7.99
   LOCATION L0001157     VOLUME   587106.955 4093056.499 8.03
   LOCATION L0001158     VOLUME   587120.610 4093062.706 8.02
   LOCATION L0001159     VOLUME   587134.266 4093068.913 8.00
   LOCATION L0001160     VOLUME   587147.921 4093075.120 8.00
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   LOCATION L0001161     VOLUME   587161.577 4093081.327 7.94
   LOCATION L0001162     VOLUME   587175.232 4093087.534 7.84
   LOCATION L0001163     VOLUME   587188.888 4093093.742 7.76
   LOCATION L0001164     VOLUME   587202.543 4093099.949 7.71
   LOCATION L0001165     VOLUME   587216.199 4093106.156 7.76
   LOCATION L0001166     VOLUME   587229.854 4093112.363 7.89
   LOCATION L0001167     VOLUME   587243.510 4093118.570 7.99
   LOCATION L0001168     VOLUME   587257.165 4093124.777 8.09
   LOCATION L0001169     VOLUME   587270.821 4093130.984 8.26
   LOCATION L0001170     VOLUME   587284.476 4093137.191 8.44
   LOCATION L0001171     VOLUME   587298.132 4093143.398 8.67
   LOCATION L0001172     VOLUME   587311.787 4093149.605 8.75
   LOCATION L0001173     VOLUME   587325.443 4093155.812 8.32
   LOCATION L0001174     VOLUME   587339.098 4093162.019 7.87
   LOCATION L0001175     VOLUME   587352.754 4093168.226 7.76
   LOCATION L0001176     VOLUME   587366.409 4093174.433 8.28
   LOCATION L0001177     VOLUME   587380.065 4093180.640 8.96
   LOCATION L0001178     VOLUME   587394.434 4093184.757 8.89
   LOCATION L0001179     VOLUME   587409.033 4093188.204 8.82
   LOCATION L0001180     VOLUME   587423.632 4093191.651 8.66
   LOCATION L0001181     VOLUME   587438.230 4093195.098 8.51
   LOCATION L0001182     VOLUME   587452.829 4093198.545 8.36
** End of LINE VOLUME Source ID = SLINE3
** Source Parameters **
** LINE VOLUME Source ID = SLINE1
   SRCPARAM L0001049          0.02      3.40      6.05      3.16
   SRCPARAM L0001050          0.02      3.40      6.05      3.16
   SRCPARAM L0001051          0.02      3.40      6.05      3.16
   SRCPARAM L0001052          0.02      3.40      6.05      3.16
   SRCPARAM L0001053          0.02      3.40      6.05      3.16
   SRCPARAM L0001054          0.02      3.40      6.05      3.16
   SRCPARAM L0001055          0.02      3.40      6.05      3.16
   SRCPARAM L0001056          0.02      3.40      6.05      3.16
   SRCPARAM L0001057          0.02      3.40      6.05      3.16
   SRCPARAM L0001058          0.02      3.40      6.05      3.16
   SRCPARAM L0001059          0.02      3.40      6.05      3.16
   SRCPARAM L0001060          0.02      3.40      6.05      3.16
   SRCPARAM L0001061          0.02      3.40      6.05      3.16
   SRCPARAM L0001062          0.02      3.40      6.05      3.16
   SRCPARAM L0001063          0.02      3.40      6.05      3.16
   SRCPARAM L0001064          0.02      3.40      6.05      3.16
   SRCPARAM L0001065          0.02      3.40      6.05      3.16
   SRCPARAM L0001066          0.02      3.40      6.05      3.16
   SRCPARAM L0001067          0.02      3.40      6.05      3.16
   SRCPARAM L0001068          0.02      3.40      6.05      3.16
   SRCPARAM L0001069          0.02      3.40      6.05      3.16
   SRCPARAM L0001070          0.02      3.40      6.05      3.16
   SRCPARAM L0001071          0.02      3.40      6.05      3.16
   SRCPARAM L0001072          0.02      3.40      6.05      3.16
   SRCPARAM L0001073          0.02      3.40      6.05      3.16
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   SRCPARAM L0001074          0.02      3.40      6.05      3.16
   SRCPARAM L0001075          0.02      3.40      6.05      3.16
   SRCPARAM L0001076          0.02      3.40      6.05      3.16
   SRCPARAM L0001077          0.02      3.40      6.05      3.16
   SRCPARAM L0001078          0.02      3.40      6.05      3.16
   SRCPARAM L0001079          0.02      3.40      6.05      3.16
   SRCPARAM L0001080          0.02      3.40      6.05      3.16
   SRCPARAM L0001081          0.02      3.40      6.05      3.16
   SRCPARAM L0001082          0.02      3.40      6.05      3.16
   SRCPARAM L0001083          0.02      3.40      6.05      3.16
   SRCPARAM L0001084          0.02      3.40      6.05      3.16
   SRCPARAM L0001085          0.02      3.40      6.05      3.16
   SRCPARAM L0001086          0.02      3.40      6.05      3.16
   SRCPARAM L0001087          0.02      3.40      6.05      3.16
   SRCPARAM L0001088          0.02      3.40      6.05      3.16
   SRCPARAM L0001089          0.02      3.40      6.05      3.16
   SRCPARAM L0001090          0.02      3.40      6.05      3.16
   SRCPARAM L0001091          0.02      3.40      6.05      3.16
   SRCPARAM L0001092          0.02      3.40      6.05      3.16
   SRCPARAM L0001093          0.02      3.40      6.05      3.16
   SRCPARAM L0001094          0.02      3.40      6.05      3.16
   SRCPARAM L0001095          0.02      3.40      6.05      3.16
   SRCPARAM L0001096          0.02      3.40      6.05      3.16
   SRCPARAM L0001097          0.02      3.40      6.05      3.16
   SRCPARAM L0001098          0.02      3.40      6.05      3.16
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE2
   SRCPARAM L0001099     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001100     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001101     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001102     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001103     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001104     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001105     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001106     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001107     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001108     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001109     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001110     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001111     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001112     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001113     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001114     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001115     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001116     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001117     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001118     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001119     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001120     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001121     0.0243902439      3.82      6.98      3.56
```

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   SRCPARAM L0001122     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001123     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001124     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001125     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001126     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001127     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001128     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001129     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001130     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001131     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001132     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001133     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001134     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001135     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001136     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001137     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001138     0.0243902439      3.82      6.98      3.56
   SRCPARAM L0001139     0.0243902439      3.82      6.98      3.56
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE3
   SRCPARAM L0001140     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001141     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001142     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001143     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001144     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001145     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001146     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001147     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001148     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001149     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001150     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001151     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001152     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001153     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001154     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001155     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001156     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001157     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001158     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001159     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001160     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001161     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001162     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001163     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001164     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001165     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001166     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001167     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001168     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001169     0.023255814      3.82      6.98      3.56
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   SRCPARAM L0001170     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001171     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001172     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001173     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001174     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001175     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001176     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001177     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001178     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001179     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001180     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001181     0.023255814      3.82      6.98      3.56
   SRCPARAM L0001182     0.023255814      3.82      6.98      3.56
** ------------------------------------------------------------------
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
   EMISFACT L0001049     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001049     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001049     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001049     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001050     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001050     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001050     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001050     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001051     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001051     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001051     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001051     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001052     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001052     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001052     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001052     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001053     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001053     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001053     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001053     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001054     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001054     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001054     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001054     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001055     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001055     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001055     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001055     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001056     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001056     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001056     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0001056     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001057     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001057     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001057     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001057     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001058     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001058     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001058     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001058     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001059     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001059     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001059     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001059     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001060     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001060     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001060     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001060     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001061     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001061     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001061     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001061     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001062     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001062     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001062     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001062     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001063     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001063     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001063     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001063     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001064     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001064     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001064     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001064     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001065     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001065     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001065     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001065     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001066     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001066     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001066     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001066     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001067     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001067     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001067     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001067     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001068     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001068     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001068     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001068     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001069     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001069     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001069     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001069     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001070     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001070     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001070     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001070     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001071     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001071     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001071     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001071     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001072     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001072     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001072     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001072     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001073     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001073     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001073     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001073     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001074     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001074     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001074     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001074     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001075     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001075     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001075     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001075     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001076     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001076     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001076     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001076     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001077     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001077     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001077     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001078     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001078     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001078     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001078     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001079     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001079     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001079     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001080     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001080     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001081     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001081     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001081     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0001081     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001082     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001082     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001082     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001088     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001090     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001090     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001091     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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EMISFACT L0001092     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001092     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001093     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001093     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001093     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001094     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0001094     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001094     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001094     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001095     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001095     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001095     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001095     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001096     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001096     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001096     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001096     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001097     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0001097     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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   EMISFACT L0001098     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001098     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001098     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001098     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT L0001049     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001049     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001049     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0001050     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001068     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001129     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001129     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001130     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001130     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT L0001130     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT L0001130     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0001131     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001131     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001131     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001131     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001132     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001132     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001132     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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   EMISFACT L0001133     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001133     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001133     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001134     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001134     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001134     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001134     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001135     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001135     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001135     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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   EMISFACT L0001136     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001136     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001136     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001137     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001137     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001137     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001137     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001138     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0001138     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001138     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001139     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0001139     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001139     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT L0001099     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001099     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001099     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001099     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0001100     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001100     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001100     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001101     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001101     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001101     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001101     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001102     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001102     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001102     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001102     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001107     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001126     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001127     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001139     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0001139     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT L0001099     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001099     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001099     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001100     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001100     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001100     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001100     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001101     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001101     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0001101     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001102     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0001105     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0001105     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0001106     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001111     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001111     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001112     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001112     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001113     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001113     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001113     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001115     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001122     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001123     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001160     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
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   EMISFACT L0001176     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001176     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001177     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001177     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001177     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001177     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001178     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001178     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001178     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001178     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001179     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001179     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001179     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001179     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001180     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001180     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001180     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001180     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0001181     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001181     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001181     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001182     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001182     HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT L0001182     HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
   EMISFACT L0001182     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT L0001140     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001140     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001140     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001140     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001141     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001141     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001141     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001141     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001142     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001142     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001142     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001142     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001143     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001143     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001143     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001144     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001146     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001147     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001147     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001147     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0001148     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0001181     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0001182     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT L0001140     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0001140     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0001142     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0001146     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001161     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0001174     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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SRCGROUP OnSite   L0001049 L0001050 L0001051 L0001052 L0001053 L0001054
SRCGROUP OnSite   L0001055 L0001056 L0001057 L0001058 L0001059 L0001060
SRCGROUP OnSite   L0001061 L0001062 L0001063 L0001064 L0001065 L0001066
SRCGROUP OnSite   L0001067 L0001068 L0001069 L0001070 L0001071 L0001072
SRCGROUP OnSite   L0001073 L0001074 L0001075 L0001076 L0001077 L0001078
SRCGROUP OnSite   L0001079 L0001080 L0001081 L0001082 L0001083 L0001084
SRCGROUP OnSite   L0001085 L0001086 L0001087 L0001088 L0001089 L0001090
SRCGROUP OnSite   L0001091 L0001092 L0001093 L0001094 L0001095 L0001096
SRCGROUP OnSite   L0001097 L0001098
SRCGROUP OffsiteO L0001099 L0001100 L0001101 L0001102 L0001103 L0001104
SRCGROUP OffsiteO L0001105 L0001106 L0001107 L0001108 L0001109 L0001110
SRCGROUP OffsiteO L0001111 L0001112 L0001113 L0001114 L0001115 L0001116
SRCGROUP OffsiteO L0001117 L0001118 L0001119 L0001120 L0001121 L0001122
SRCGROUP OffsiteO L0001123 L0001124 L0001125 L0001126 L0001127 L0001128
SRCGROUP OffsiteO L0001129 L0001130 L0001131 L0001132 L0001133 L0001134
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   SRCGROUP OffsiteO L0001135 L0001136 L0001137 L0001138 L0001139
   SRCGROUP OffsiteW L0001140 L0001141 L0001142 L0001143 L0001144 L0001145
   SRCGROUP OffsiteW L0001146 L0001147 L0001148 L0001149 L0001150 L0001151
   SRCGROUP OffsiteW L0001152 L0001153 L0001154 L0001155 L0001156 L0001157
   SRCGROUP OffsiteW L0001158 L0001159 L0001160 L0001161 L0001162 L0001163
   SRCGROUP OffsiteW L0001164 L0001165 L0001166 L0001167 L0001168 L0001169
   SRCGROUP OffsiteW L0001170 L0001171 L0001172 L0001173 L0001174 L0001175
   SRCGROUP OffsiteW L0001176 L0001177 L0001178 L0001179 L0001180 L0001181
   SRCGROUP OffsiteW L0001182
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "908 Ocean_Cons.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE 745058_2015-2019_AdjU.sfc
   PROFFILE 745058_2015-2019_AdjU.PFL
   SURFDATA 23277 2015
   UAIRDATA 23230 2015 OAKLAND/WSO_AP
   PROFBASE 48.8 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "908 Ocean_Cons.AD\01H1GALL.PLT" 31
   PLOTFILE 1 OnSite 1ST "908 Ocean_Cons.AD\01H1G001.PLT" 32
   PLOTFILE 1 OffsiteO 1ST "908 Ocean_Cons.AD\01H1G002.PLT" 33
   PLOTFILE 1 OffsiteW 1ST "908 Ocean_Cons.AD\01H1G003.PLT" 34
   PLOTFILE PERIOD ALL "908 Ocean_Cons.AD\PE00GALL.PLT" 35
   PLOTFILE PERIOD OnSite "908 Ocean_Cons.AD\PE00G001.PLT" 36
   PLOTFILE PERIOD OffsiteO "908 Ocean_Cons.AD\PE00G002.PLT" 37
```

```
   PLOTFILE PERIOD OffsiteW "908 Ocean_Cons.AD\PE00G003.PLT" 38
   SUMMFILE "908 Ocean_Cons.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    2033       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
      0.50
 ME W187    2033       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


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

 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc                ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                         ***        17:20:07

                                    PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  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   134 Source(s),
        for Total of    1 Urban Area(s):
   Urban Population =    261547.0 ;  Urban Roughness Length =  1.000 m
      * Urban Roughness Length of 1.0 Meter Used.
      * ADJ_U*   - Use ADJ_U* option for SBL in AERMET
      * CCVR_Sub - Meteorological data includes CCVR substitutions
      * TEMP_Sub - Meteorological data includes TEMP substitutions
      * Model Assumes No FLAGPOLE Receptor Heights.
      * The User Specified a Pollutant Type of: PM_10

 **Model Calculates  1 Short Term Average(s) of:   1-HR
     and Calculates PERIOD Averages

 **This Run Includes:    134 Source(s);       4 Source Group(s); and     368
Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:    134 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:  21112

 **Output Options Selected:
          Model Outputs Tables of PERIOD Averages by Receptor
          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) =    48.80 ;  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 =   3.7 MB of RAM.

 **Input Runstream File: aermod.inp

 **Output Print File: aermod.out

 **Detailed Error/Message File: 908 Ocean_Cons.err

 **File for Summary of Results: 908 Ocean_Cons.sum

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                    *** VOLUME SOURCE DATA ***

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

```
 L0001056          0   0.20000E-01  587145.2 4093236.6     8.2     3.40     6.05
3.16     YES   HRDOW
 L0001057          0   0.20000E-01  587146.9 4093223.7     8.1     3.40     6.05
3.16     YES   HRDOW
 L0001058          0   0.20000E-01  587148.6 4093210.8     8.1     3.40     6.05
3.16     YES   HRDOW
 L0001059          0   0.20000E-01  587150.3 4093197.9     8.0     3.40     6.05
3.16     YES   HRDOW
 L0001060          0   0.20000E-01  587152.1 4093185.0     8.0     3.40     6.05
3.16     YES   HRDOW
 L0001061          0   0.20000E-01  587153.8 4093172.1     8.0     3.40     6.05
3.16     YES   HRDOW
 L0001062          0   0.20000E-01  587153.8 4093160.5     8.0     3.40     6.05
3.16     YES   HRDOW
 L0001063          0   0.20000E-01  587141.1 4093157.6     8.2     3.40     6.05
3.16     YES   HRDOW
 L0001064          0   0.20000E-01  587128.4 4093154.8     8.3     3.40     6.05
3.16     YES   HRDOW
 L0001065          0   0.20000E-01  587115.7 4093151.9     8.3     3.40     6.05
3.16     YES   HRDOW
 L0001066          0   0.20000E-01  587104.9 4093152.3     8.3     3.40     6.05
3.16     YES   HRDOW
 L0001067          0   0.20000E-01  587100.9 4093164.7     8.3     3.40     6.05
3.16     YES   HRDOW
 L0001068          0   0.20000E-01  587097.0 4093177.1     8.4     3.40     6.05
3.16     YES   HRDOW
 L0001069          0   0.20000E-01  587093.0 4093189.4     8.4     3.40     6.05
3.16     YES   HRDOW
 L0001070          0   0.20000E-01  587089.1 4093201.8     8.5     3.40     6.05
3.16     YES   HRDOW
 L0001071          0   0.20000E-01  587085.1 4093214.2     8.5     3.40     6.05
3.16     YES   HRDOW
 L0001072          0   0.20000E-01  587081.2 4093226.6     8.5     3.40     6.05
3.16     YES   HRDOW
 L0001073          0   0.20000E-01  587077.2 4093239.0     8.5     3.40     6.05
3.16     YES   HRDOW
 L0001074          0   0.20000E-01  587073.3 4093251.4     8.6     3.40     6.05
3.16     YES   HRDOW
 L0001075          0   0.20000E-01  587069.3 4093263.8     8.6     3.40     6.05
3.16     YES   HRDOW
 L0001076          0   0.20000E-01  587065.4 4093276.1     8.7     3.40     6.05
3.16     YES   HRDOW
 L0001077          0   0.20000E-01  587061.4 4093288.5     8.7     3.40     6.05
3.16     YES   HRDOW
 L0001078          0   0.20000E-01  587063.0 4093297.8     8.7     3.40     6.05
3.16     YES   HRDOW
 L0001079          0   0.20000E-01  587075.6 4093301.0     8.7     3.40     6.05
3.16     YES   HRDOW
 L0001080          0   0.20000E-01  587082.6 4093294.2     8.6     3.40     6.05
3.16     YES   HRDOW
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 L0001089   0   0.20000E-01 587117.7 4093182.6   8.2   3.40   6.05
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 L0001090   0   0.20000E-01 587129.1 4093181.8   8.2   3.40   6.05
3.16   YES   HRDOW
 L0001091   0   0.20000E-01 587133.7 4093189.5   8.2   3.40   6.05
3.16   YES   HRDOW
 L0001092   0   0.20000E-01 587131.3 4093202.3   8.2   3.40   6.05
3.16   YES   HRDOW
 L0001093   0   0.20000E-01 587129.0 4093215.1   8.3   3.40   6.05
3.16   YES   HRDOW
 L0001094   0   0.20000E-01 587126.6 4093227.9   8.3   3.40   6.05
3.16   YES   HRDOW
 L0001095   0   0.20000E-01 587124.3 4093240.7   8.4   3.40   6.05
3.16   YES   HRDOW

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 L0001096          0   0.20000E-01  587122.0 4093253.5     8.4     3.40     6.05
3.16     YES   HRDOW
 L0001097          0   0.20000E-01  587119.6 4093266.3     8.4     3.40     6.05
3.16     YES   HRDOW
 L0001098          0   0.20000E-01  587117.3 4093279.1     8.5     3.40     6.05
3.16     YES   HRDOW
 L0001099          0   0.24390E-01  586969.7 4093476.0     9.7     3.82     6.98
3.56     YES   HRDOW
 L0001100          0   0.24390E-01  586974.4 4093461.8     9.7     3.82     6.98
3.56     YES   HRDOW
 L0001101          0   0.24390E-01  586979.0 4093447.5     9.6     3.82     6.98
3.56     YES   HRDOW
 L0001102          0   0.24390E-01  586983.7 4093433.3     9.6     3.82     6.98
3.56     YES   HRDOW
 L0001103          0   0.24390E-01  586988.3 4093419.0     9.5     3.82     6.98
3.56     YES   HRDOW
 L0001104          0   0.24390E-01  586993.0 4093404.8     9.4     3.82     6.98
3.56     YES   HRDOW
 L0001105          0   0.24390E-01  586997.6 4093390.5     9.3     3.82     6.98
3.56     YES   HRDOW
 L0001106          0   0.24390E-01  587002.3 4093376.2     9.3     3.82     6.98
3.56     YES   HRDOW
 L0001107          0   0.24390E-01  587007.0 4093362.0     9.3     3.82     6.98
3.56     YES   HRDOW
 L0001108          0   0.24390E-01  587011.6 4093347.7     9.2     3.82     6.98
3.56     YES   HRDOW
 L0001109          0   0.24390E-01  587016.3 4093333.5     9.1     3.82     6.98
3.56     YES   HRDOW
 L0001110          0   0.24390E-01  587020.9 4093319.2     9.0     3.82     6.98
3.56     YES   HRDOW
 L0001111          0   0.24390E-01  587025.6 4093304.9     8.9     3.82     6.98
3.56     YES   HRDOW
 L0001112          0   0.24390E-01  587030.2 4093290.7     8.9     3.82     6.98
3.56     YES   HRDOW
 L0001113          0   0.24390E-01  587034.9 4093276.4     8.8     3.82     6.98
3.56     YES   HRDOW
 L0001114          0   0.24390E-01  587039.6 4093262.2     8.7     3.82     6.98
3.56     YES   HRDOW
 L0001115          0   0.24390E-01  587044.2 4093247.9     8.6     3.82     6.98
3.56     YES   HRDOW
 L0001116          0   0.24390E-01  587048.9 4093233.7     8.6     3.82     6.98
3.56     YES   HRDOW
 L0001117          0   0.24390E-01  587053.5 4093219.4     8.6     3.82     6.98
3.56     YES   HRDOW
 L0001118          0   0.24390E-01  587058.2 4093205.1     8.6     3.82     6.98
3.56     YES   HRDOW
 L0001119          0   0.24390E-01  587062.8 4093190.9     8.5     3.82     6.98
3.56     YES   HRDOW
 L0001120          0   0.24390E-01  587067.5 4093176.6     8.5     3.82     6.98
3.56     YES   HRDOW
```

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE VARY BY
L0001121	0	0.24390E-01	587072.2	4093162.4	8.4	3.82	6.98	3.56	YES	HRDOW
L0001122	0	0.24390E-01	587076.8	4093148.1	8.4	3.82	6.98	3.56	YES	HRDOW
L0001123	0	0.24390E-01	587081.5	4093133.8	8.3	3.82	6.98	3.56	YES	HRDOW
L0001124	0	0.24390E-01	587086.1	4093119.6	8.3	3.82	6.98	3.56	YES	HRDOW
L0001125	0	0.24390E-01	587090.8	4093105.3	8.2	3.82	6.98	3.56	YES	HRDOW
L0001126	0	0.24390E-01	587095.4	4093091.1	8.2	3.82	6.98	3.56	YES	HRDOW
L0001127	0	0.24390E-01	587100.1	4093076.8	8.1	3.82	6.98	3.56	YES	HRDOW
L0001128	0	0.24390E-01	587104.8	4093062.5	8.1	3.82	6.98	3.56	YES	HRDOW
L0001129	0	0.24390E-01	587109.4	4093048.3	7.9	3.82	6.98	3.56	YES	HRDOW
L0001130	0	0.24390E-01	587114.1	4093034.0	7.7	3.82	6.98	3.56	YES	HRDOW
L0001131	0	0.24390E-01	587118.7	4093019.8	7.5	3.82	6.98	3.56	YES	HRDOW
L0001132	0	0.24390E-01	587123.4	4093005.5	7.3	3.82	6.98	3.56	YES	HRDOW
L0001133	0	0.24390E-01	587128.0	4092991.3	7.1	3.82	6.98	3.56	YES	HRDOW
L0001134	0	0.24390E-01	587132.7	4092977.0	7.1	3.82	6.98	3.56	YES	HRDOW
L0001135	0	0.24390E-01	587137.4	4092962.7	7.0	3.82	6.98	3.56	YES	HRDOW

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 L0001136         0   0.24390E-01  587142.0 4092948.5     7.0     3.82     6.98
3.56     YES   HRDOW
 L0001137         0   0.24390E-01  587146.7 4092934.2     7.0     3.82     6.98
3.56     YES   HRDOW
 L0001138         0   0.24390E-01  587151.3 4092920.0     6.9     3.82     6.98
3.56     YES   HRDOW
 L0001139         0   0.24390E-01  587156.0 4092905.7     6.8     3.82     6.98
3.56     YES   HRDOW
 L0001140         0   0.23256E-01  586873.3 4092956.8     7.6     3.82     6.98
3.56     YES   HRDOW
 L0001141         0   0.23256E-01  586885.6 4092965.5     7.9     3.82     6.98
3.56     YES   HRDOW
 L0001142         0   0.23256E-01  586897.8 4092974.1     7.8     3.82     6.98
3.56     YES   HRDOW
 L0001143         0   0.23256E-01  586911.1 4092980.8     7.8     3.82     6.98
3.56     YES   HRDOW
 L0001144         0   0.23256E-01  586925.2 4092986.1     7.8     3.82     6.98
3.56     YES   HRDOW
 L0001145         0   0.23256E-01  586939.2 4092991.4     7.7     3.82     6.98
3.56     YES   HRDOW
 L0001146         0   0.23256E-01  586953.2 4092996.7     7.9     3.82     6.98
3.56     YES   HRDOW
 L0001147         0   0.23256E-01  586967.3 4093002.0     8.0     3.82     6.98
3.56     YES   HRDOW
 L0001148         0   0.23256E-01  586981.3 4093007.3     7.9     3.82     6.98
3.56     YES   HRDOW
 L0001149         0   0.23256E-01  586995.3 4093012.5     7.9     3.82     6.98
3.56     YES   HRDOW
 L0001150         0   0.23256E-01  587009.4 4093017.8     7.9     3.82     6.98
3.56     YES   HRDOW
 L0001151         0   0.23256E-01  587023.4 4093023.1     7.9     3.82     6.98
3.56     YES   HRDOW
 L0001152         0   0.23256E-01  587037.5 4093028.4     8.0     3.82     6.98
3.56     YES   HRDOW
 L0001153         0   0.23256E-01  587051.5 4093033.7     8.0     3.82     6.98
3.56     YES   HRDOW
 L0001154         0   0.23256E-01  587065.5 4093039.0     8.0     3.82     6.98
3.56     YES   HRDOW
 L0001155         0   0.23256E-01  587079.6 4093044.3     8.0     3.82     6.98
3.56     YES   HRDOW
 L0001156         0   0.23256E-01  587093.3 4093050.3     8.0     3.82     6.98
3.56     YES   HRDOW
 L0001157         0   0.23256E-01  587107.0 4093056.5     8.0     3.82     6.98
3.56     YES   HRDOW
 L0001158         0   0.23256E-01  587120.6 4093062.7     8.0     3.82     6.98
3.56     YES   HRDOW
 L0001159         0   0.23256E-01  587134.3 4093068.9     8.0     3.82     6.98
3.56     YES   HRDOW
 L0001160         0   0.23256E-01  587147.9 4093075.1     8.0     3.82     6.98
3.56     YES   HRDOW
```

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001169	0	0.23256E-01	587270.8	4093131.0	8.3	3.82	6.98	3.56	YES	HRDOW
L0001170	0	0.23256E-01	587284.5	4093137.2	8.4	3.82	6.98	3.56	YES	HRDOW
L0001171	0	0.23256E-01	587298.1	4093143.4	8.7	3.82	6.98	3.56	YES	HRDOW
L0001172	0	0.23256E-01	587311.8	4093149.6	8.8	3.82	6.98	3.56	YES	HRDOW
L0001173	0	0.23256E-01	587325.4	4093155.8	8.3	3.82	6.98	3.56	YES	HRDOW
L0001174	0	0.23256E-01	587339.1	4093162.0	7.9	3.82	6.98	3.56	YES	HRDOW
L0001175	0	0.23256E-01	587352.8	4093168.2	7.8	3.82	6.98	3.56	YES	HRDOW

*** SOURCE IDs DEFINING SOURCE GROUPS
***

SRCGROUP ID	SOURCE IDs
ONSITE	L0001049 , L0001050 , L0001051 , L0001052 , L0001053 , L0001054 , L0001055 , L0001056 , L0001057 , L0001058 , L0001059 , L0001060 , L0001061 , L0001062 , L0001063 , L0001064 , L0001065 , L0001066 , L0001067 , L0001068 , L0001069 , L0001070 , L0001071 , L0001072 , L0001073 , L0001074 , L0001075 , L0001076 , L0001077 , L0001078 , L0001079 , L0001080 , L0001081 , L0001082 , L0001083 , L0001084 , L0001085 , L0001086 , L0001087 , L0001088 , L0001089 , L0001090 , L0001091 , L0001092 , L0001093 , L0001094 , L0001095 , L0001096 , L0001097 , L0001098 ,

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  OFFSITEO   L0001099    , L0001100    , L0001101    , L0001102    , L0001103    ,
L0001104    , L0001105    , L0001106    ,

             L0001107    , L0001108    , L0001109    , L0001110    , L0001111    ,
L0001112    , L0001113    , L0001114    ,

             L0001115    , L0001116    , L0001117    , L0001118    , L0001119    ,
L0001120    , L0001121    , L0001122    ,

             L0001123    , L0001124    , L0001125    , L0001126    , L0001127    ,
L0001128    , L0001129    , L0001130    ,

             L0001131    , L0001132    , L0001133    , L0001134    , L0001135    ,
L0001136    , L0001137    , L0001138    ,

             L0001139    ,

  OFFSITEW   L0001140    , L0001141    , L0001142    , L0001143    , L0001144    ,
L0001145    , L0001146    , L0001147    ,

             L0001148    , L0001149    , L0001150    , L0001151    , L0001152    ,
L0001153    , L0001154    , L0001155    ,

             L0001156    , L0001157    , L0001158    , L0001159    , L0001160    ,
L0001161    , L0001162    , L0001163    ,

             L0001164    , L0001165    , L0001166    , L0001167    , L0001168    ,
L0001169    , L0001170    , L0001171    ,

             L0001172    , L0001173    , L0001174    , L0001175    , L0001176    ,
L0001177    , L0001178    , L0001179    ,

             L0001180    , L0001181    , L0001182    ,

  ALL        L0001049    , L0001050    , L0001051    , L0001052    , L0001053    ,
L0001054    , L0001055    , L0001056    ,
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                          *** SOURCE IDs DEFINING SOURCE GROUPS
***

 SRCGROUP ID                                                SOURCE IDs
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```
             L0001057    , L0001058    , L0001059    , L0001060    , L0001061    ,
L0001062    , L0001063    , L0001064    ,

             L0001065    , L0001066    , L0001067    , L0001068    , L0001069    ,
L0001070    , L0001071    , L0001072    ,

             L0001073    , L0001074    , L0001075    , L0001076    , L0001077    ,
L0001078    , L0001079    , L0001080    ,

             L0001081    , L0001082    , L0001083    , L0001084    , L0001085    ,
L0001086    , L0001087    , L0001088    ,

             L0001089    , L0001090    , L0001091    , L0001092    , L0001093    ,
L0001094    , L0001095    , L0001096    ,

             L0001097    , L0001098    , L0001099    , L0001100    , L0001101    ,
L0001102    , L0001103    , L0001104    ,

             L0001105    , L0001106    , L0001107    , L0001108    , L0001109    ,
L0001110    , L0001111    , L0001112    ,

             L0001113    , L0001114    , L0001115    , L0001116    , L0001117    ,
L0001118    , L0001119    , L0001120    ,

             L0001121    , L0001122    , L0001123    , L0001124    , L0001125    ,
L0001126    , L0001127    , L0001128    ,

             L0001129    , L0001130    , L0001131    , L0001132    , L0001133    ,
L0001134    , L0001135    , L0001136    ,

             L0001137    , L0001138    , L0001139    , L0001140    , L0001141    ,
L0001142    , L0001143    , L0001144    ,

             L0001145    , L0001146    , L0001147    , L0001148    , L0001149    ,
L0001150    , L0001151    , L0001152    ,

             L0001153    , L0001154    , L0001155    , L0001156    , L0001157    ,
L0001158    , L0001159    , L0001160    ,

             L0001161    , L0001162    , L0001163    , L0001164    , L0001165    ,
L0001166    , L0001167    , L0001168    ,

             L0001169    , L0001170    , L0001171    , L0001172    , L0001173    ,
L0001174    , L0001175    , L0001176    ,

             L0001177    , L0001178    , L0001179    , L0001180    , L0001181    ,
L0001182    ,
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	261547.	L0001049 , L0001050 , L0001051 , L0001052 , L0001053 , L0001054 , L0001055 , L0001056 ,
		L0001057 , L0001058 , L0001059 , L0001060 , L0001061 , L0001062 , L0001063 , L0001064 ,
		L0001065 , L0001066 , L0001067 , L0001068 , L0001069 , L0001070 , L0001071 , L0001072 ,
		L0001073 , L0001074 , L0001075 , L0001076 , L0001077 , L0001078 , L0001079 , L0001080 ,
		L0001081 , L0001082 , L0001083 , L0001084 , L0001085 , L0001086 , L0001087 , L0001088 ,
		L0001089 , L0001090 , L0001091 , L0001092 , L0001093 , L0001094 , L0001095 , L0001096 ,
		L0001097 , L0001098 , L0001099 , L0001100 , L0001101 , L0001102 , L0001103 , L0001104 ,
		L0001105 , L0001106 , L0001107 , L0001108 , L0001109 , L0001110 , L0001111 , L0001112 ,
		L0001113 , L0001114 , L0001115 , L0001116 , L0001117 , L0001118 , L0001119 , L0001120 ,
		L0001121 , L0001122 , L0001123 , L0001124 , L0001125 , L0001126 , L0001127 , L0001128 ,
		L0001129 , L0001130 , L0001131 , L0001132 , L0001133 , L0001134 , L0001135 , L0001136 ,
		L0001137 , L0001138 , L0001139 , L0001140 , L0001141 ,

L0001142   , L0001143   , L0001144   ,

             L0001145   , L0001146   , L0001147   , L0001148   , L0001149   ,
L0001150   , L0001151   , L0001152   ,

             L0001153   , L0001154   , L0001155   , L0001156   , L0001157   ,
L0001158   , L0001159   , L0001160   ,

             L0001161   , L0001162   , L0001163   , L0001164   , L0001165   ,
L0001166   , L0001167   , L0001168   ,

             L0001169   , L0001170   , L0001171   , L0001172   , L0001173   ,
L0001174   , L0001175   , L0001176   ,

             L0001177   , L0001178   , L0001179   , L0001180   , L0001181   ,
L0001182   ,

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

 SOURCE ID = L0001049   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .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

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

 SOURCE ID = L0001050   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                 DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .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 = L0001051     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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
↟ *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:20:07

                                  PAGE  12
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0001052     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   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 = L0001053   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .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

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

 SOURCE ID = L0001054   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .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 = L0001055   ; SOURCE TYPE = VOLUME   :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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
↟ *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc                ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                        ***       17:20:07

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0001056     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

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6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:20:07

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0001057     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0001058 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.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 = L0001059 ; SOURCE TYPE = VOLUME :

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

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 - - -
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14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:20:07

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0001061     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = L0001062   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .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 = L0001063   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -

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

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

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
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 URBAN ADJ_U*

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

SOURCE ID = L0001064 ; SOURCE TYPE = VOLUME :

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

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

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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
*** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:20:07

                                  PAGE  25
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0001065     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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
*** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:20:07
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0001066   ; SOURCE TYPE = VOLUME   :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.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 = L0001067   ; SOURCE TYPE = VOLUME   :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00

```
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0001068     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                            DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
```

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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:20:07

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0001069     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                           DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                           DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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
↑ *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:20:07

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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 SOURCE ID = L0001070   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - -

```
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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
↟ *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:20:07

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0001072     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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
```

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

 SOURCE ID = L0001073   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                            DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                            DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .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 = L0001074   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .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 URBAN ADJ_U*

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

 SOURCE ID = L0001075   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00

22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

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

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

17 .0000E+00   18 .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 = L0001076   ; SOURCE TYPE = VOLUME   :

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

DAY OF WEEK = WEEKDAY

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

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

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

DAY OF WEEK = SATURDAY

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

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

17 .0000E+00   18 .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

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

 SOURCE ID = L0001077   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .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 = L0001078     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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
↟ *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:20:07

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0001079     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .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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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:20:07

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0001080     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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 URBAN ADJ_U*

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

SOURCE ID = L0001081 ; SOURCE TYPE = VOLUME :

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

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

SOURCE ID = L0001082 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - -

```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc                ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                        ***        17:20:07

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0001084     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
                                            DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc                ***        03/20/24
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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0001085   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .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 = L0001086   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

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- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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
↟ *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:20:07

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0001087     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
```

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

 SOURCE ID = L0001088   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .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 = L0001089   ; 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

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

 SOURCE ID = L0001090   ; 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
↑ *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:20:07

                                   PAGE  51
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0001091     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -

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

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

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   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 = L0001092   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                          DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .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 = L0001093 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.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 = L0001094 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
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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    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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
↑ *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:20:07

                                  PAGE  55
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0001095     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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 = L0001096   ; 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

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

 SOURCE ID = L0001097   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - -

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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
↟ *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                         ***        17:20:07

                                    PAGE  59
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0001099     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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 = L0001100   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .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 = L0001101     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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
↟ *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:20:07

                                  PAGE  62
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0001102     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   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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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = L0001103   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .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

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

 SOURCE ID = L0001104   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .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 = L0001105   ; SOURCE TYPE = VOLUME   :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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
↟ *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:20:07

                                  PAGE  66
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0001106     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
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6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .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 = L0001107   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .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 = L0001108 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.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 = L0001109 ; SOURCE TYPE = VOLUME :

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

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 - - -
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14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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
↑ *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc                ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                        ***        17:20:07

                                   PAGE  71
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0001111     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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
↑ *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc                ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0001112 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.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 = L0001113 ; SOURCE TYPE = VOLUME :

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

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

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

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
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 URBAN ADJ_U*

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

SOURCE ID = L0001114 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - -

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 URBAN ADJ_U*

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

 SOURCE ID = L0001115   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -

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

                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .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 URBAN ADJ_U*

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

SOURCE ID = L0001116 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.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 URBAN ADJ_U*

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

SOURCE ID = L0001117 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00

```
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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
↟ *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:20:07

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0001118     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                            DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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
↑ *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:20:07

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0001119     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                           DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                           DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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
↑ *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:20:07

                                  PAGE  80
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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 SOURCE ID = L0001120   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - -

14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                              DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .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 URBAN ADJ_U*

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

 SOURCE ID = L0001122   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - -

```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:20:07

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0001123     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                             DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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
↟ *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:20:07

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
```

OF WEEK (HRDOW) *

 SOURCE ID = L0001124   ; 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 = L0001126   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                          DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .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

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

 SOURCE ID = L0001127   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .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 = L0001128     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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
↟ *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:20:07

                                  PAGE  89
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0001129     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:20:07

                                  PAGE  90
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0001130     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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 = L0001131 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.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 = L0001132 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - -

```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:20:07

                                   PAGE  94
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0001134     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                            DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = L0001135   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                 DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .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 = L0001136   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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
↟ *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:20:07

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0001137     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
```

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

 SOURCE ID = L0001138   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .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 = L0001139   ; 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

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

 SOURCE ID = L0001140   ; 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
↟ *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:20:07

                                  PAGE 101
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0001141     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   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 URBAN ADJ_U*

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

 SOURCE ID = L0001142   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                        DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                        DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .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 = L0001143 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.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 = L0001144 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

```
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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
↑ *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:20:07

                                  PAGE 105
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0001145     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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 = L0001146   ; 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

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

 SOURCE ID = L0001149   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .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 = L0001150   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .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 = L0001151     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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
↟ *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc                ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:20:07

                                  PAGE 112
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0001152     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   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 = L0001153   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .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 = L0001154   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .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 = L0001155   ; SOURCE TYPE = VOLUME   :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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
↟ *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:20:07

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0001156     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .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 URBAN ADJ_U*

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

 SOURCE ID = L0001157   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .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 = L0001158 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.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 = L0001159 ; SOURCE TYPE = VOLUME :

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

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 - - -
```

```
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc                ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                         ***        17:20:07

                                   PAGE 121
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0001161     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc                ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0001162 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.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 = L0001163 ; SOURCE TYPE = VOLUME :

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

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

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

SOURCE ID = L0001164 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - -

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 URBAN ADJ_U*

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

SOURCE ID = L0001165   ; SOURCE TYPE = VOLUME   :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .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 URBAN ADJ_U*

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

SOURCE ID = L0001166 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.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 URBAN ADJ_U*

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

SOURCE ID = L0001167 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00

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

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

 SOURCE ID = L0001168   ; 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
↑ *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:20:07

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0001169     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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
↑ *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:20:07

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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 SOURCE ID = L0001170   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - -

```
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:20:07

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0001172     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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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    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:20:07

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0001173     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                             DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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
↑ *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:20:07

                                  PAGE 134
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
```

OF WEEK (HRDOW) *

 SOURCE ID = L0001174   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .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 URBAN ADJ_U*

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

 SOURCE ID = L0001175   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00

22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

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

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

17 .0000E+00   18 .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 URBAN ADJ_U*

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

SOURCE ID = L0001176   ; SOURCE TYPE = VOLUME   :

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

DAY OF WEEK = WEEKDAY

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

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

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

DAY OF WEEK = SATURDAY

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

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

17 .0000E+00   18 .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

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

 SOURCE ID = L0001177   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .1000E+01
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .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) *

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 SOURCE ID = L0001178     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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
↟ *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:20:07

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0001179     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .0000E+00
   17  .0000E+00   18  .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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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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
↟ *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:20:07

                                  PAGE 140
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0001180     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -

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

                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0001181 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.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 = L0001182 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - -

```
     ( 587457.4, 4092866.5,      16.8,      23.4,       0.0);         ( 586897.4,
4092901.5,       6.2,       6.2,       0.0);
     ( 586932.4, 4092901.5,       8.5,       8.5,       0.0);         ( 586967.4,
4092901.5,       8.8,       8.8,       0.0);
     ( 587002.4, 4092901.5,       8.8,       8.8,       0.0);         ( 587037.4,
4092901.5,       8.0,       8.0,       0.0);
     ( 587072.4, 4092901.5,       7.3,       7.3,       0.0);         ( 587107.4,
4092901.5,       7.1,       7.1,       0.0);
     ( 587142.4, 4092901.5,       7.0,       7.0,       0.0);         ( 587177.4,
4092901.5,       6.6,       6.6,       0.0);
     ( 587247.4, 4092901.5,       6.3,       6.3,       0.0);         ( 587317.4,
4092901.5,       6.7,       6.7,       0.0);
     ( 587352.4, 4092901.5,       6.9,      23.4,       0.0);         ( 587387.4,
4092901.5,       7.1,      23.4,       0.0);
     ( 587457.4, 4092901.5,      12.8,      23.4,       0.0);         ( 587492.4,
4092901.5,      22.2,      22.2,       0.0);
     ( 586897.4, 4092936.5,       7.8,       7.8,       0.0);         ( 586932.4,
4092936.5,       9.1,       9.1,       0.0);
     ( 586967.4, 4092936.5,       9.4,       9.4,       0.0);         ( 587002.4,
4092936.5,       8.3,       8.3,       0.0);
     ( 587037.4, 4092936.5,       7.6,       7.6,       0.0);         ( 587072.4,
4092936.5,       7.3,       7.3,       0.0);
     ( 587107.4, 4092936.5,       7.1,       7.1,       0.0);         ( 587177.4,
4092936.5,       6.9,       6.9,       0.0);
     ( 587212.4, 4092936.5,       6.9,       6.9,       0.0);         ( 587247.4,
4092936.5,       6.6,       6.6,       0.0);
     ( 587282.4, 4092936.5,       6.7,       6.7,       0.0);         ( 587317.4,
4092936.5,       6.9,       6.9,       0.0);
     ( 587352.4, 4092936.5,       7.1,      23.2,       0.0);         ( 587387.4,
4092936.5,       7.2,      23.4,       0.0);
     ( 587422.4, 4092936.5,       6.5,      23.5,       0.0);         ( 587457.4,
4092936.5,       7.0,      23.5,       0.0);
     ( 587492.4, 4092936.5,      19.3,      23.2,       0.0);         ( 586862.4,
4092971.5,       7.3,       7.3,       0.0);
     ( 586967.4, 4092971.5,       8.7,       8.7,       0.0);         ( 587002.4,
4092971.5,       8.0,       8.0,       0.0);
     ( 587037.4, 4092971.5,       7.6,       7.6,       0.0);         ( 587072.4,
4092971.5,       7.4,       7.4,       0.0);
     ( 587107.4, 4092971.5,       7.1,       7.1,       0.0);         ( 587177.4,
4092971.5,       7.2,       7.2,       0.0);
     ( 587212.4, 4092971.5,       7.1,       7.1,       0.0);         ( 587247.4,
4092971.5,       6.8,       6.8,       0.0);
     ( 587282.4, 4092971.5,       7.1,       7.1,       0.0);         ( 587317.4,
4092971.5,       7.4,       7.4,       0.0);
     ( 587352.4, 4092971.5,       7.5,       7.5,       0.0);         ( 587387.4,
4092971.5,       7.5,      23.4,       0.0);
     ( 587422.4, 4092971.5,       7.0,      23.5,       0.0);         ( 587492.4,
4092971.5,      16.5,      23.5,       0.0);
     ( 586827.4, 4093006.5,       5.8,       5.8,       0.0);         ( 586862.4,
4093006.5,       6.1,       6.1,       0.0);
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     ( 586897.4, 4093006.5,       7.0,       7.0,       0.0);         ( 586932.4,
4093006.5,       7.8,       7.8,       0.0);
     ( 587037.4, 4093006.5,       7.8,       7.8,       0.0);         ( 587072.4,
4093006.5,       7.7,       7.7,       0.0);
     ( 587142.4, 4093006.5,       7.3,       7.3,       0.0);         ( 587177.4,
4093006.5,       7.5,       7.5,       0.0);
     ( 587212.4, 4093006.5,       7.3,       7.3,       0.0);         ( 587247.4,
4093006.5,       7.1,       7.1,       0.0);
     ( 587282.4, 4093006.5,       7.3,       7.3,       0.0);         ( 587317.4,
4093006.5,       7.7,       7.7,       0.0);
     ( 587352.4, 4093006.5,       7.7,       7.7,       0.0);         ( 587387.4,
4093006.5,       7.5,      23.3,       0.0);
     ( 587422.4, 4093006.5,       7.5,      23.5,       0.0);         ( 587492.4,
4093006.5,      13.1,      23.6,       0.0);
     ( 586827.4, 4093041.5,       6.2,       6.2,       0.0);         ( 586862.4,
4093041.5,       5.1,       5.1,       0.0);
     ( 586897.4, 4093041.5,       6.6,       6.6,       0.0);         ( 586932.4,
4093041.5,       7.9,       7.9,       0.0);
     ( 586967.4, 4093041.5,       8.2,       8.2,       0.0);         ( 587002.4,
4093041.5,       8.0,       8.0,       0.0);
     ( 587037.4, 4093041.5,       8.1,       8.1,       0.0);         ( 587142.4,
4093041.5,       7.8,       7.8,       0.0);
     ( 587177.4, 4093041.5,       7.8,       7.8,       0.0);         ( 587212.4,
4093041.5,       7.4,       7.4,       0.0);
     ( 587247.4, 4093041.5,       7.4,       7.4,       0.0);         ( 587282.4,
4093041.5,       7.6,       7.6,       0.0);
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc                ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                          ***        17:20:07

                                  PAGE 144
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                        *** DISCRETE CARTESIAN RECEPTORS ***
                                      (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     ( 587317.4, 4093041.5,       7.9,       7.9,       0.0);         ( 587352.4,
4093041.5,       7.8,       7.8,       0.0);
     ( 587387.4, 4093041.5,       7.5,      23.2,       0.0);         ( 587422.4,
4093041.5,       7.5,      23.6,       0.0);
     ( 587457.4, 4093041.5,       5.3,      24.0,       0.0);         ( 586827.4,
4093076.5,       6.0,       6.0,       0.0);
     ( 586862.4, 4093076.5,       5.6,       5.6,       0.0);         ( 586897.4,
4093076.5,       6.8,       6.8,       0.0);
     ( 586932.4, 4093076.5,       7.4,       7.4,       0.0);         ( 586967.4,
4093076.5,       8.2,       8.2,       0.0);
     ( 587002.4, 4093076.5,       8.3,       8.3,       0.0);         ( 587037.4,
4093076.5,       8.2,       8.2,       0.0);
```

```
     ( 587072.4, 4093076.5,       8.1,       8.1,       0.0);         ( 587177.4,
4093076.5,       7.8,       7.8,       0.0);
     ( 587212.4, 4093076.5,       7.6,       7.6,       0.0);         ( 587247.4,
4093076.5,       7.7,       7.7,       0.0);
     ( 587282.4, 4093076.5,       7.9,       7.9,       0.0);         ( 587317.4,
4093076.5,       8.0,       8.0,       0.0);
     ( 587352.4, 4093076.5,       7.8,       7.8,       0.0);         ( 587387.4,
4093076.5,       7.1,      22.7,       0.0);
     ( 587422.4, 4093076.5,       6.3,      23.6,       0.0);         ( 587457.4,
4093076.5,       6.1,      24.0,       0.0);
     ( 587492.4, 4093076.5,       8.3,      24.0,       0.0);         ( 586792.4,
4093111.5,       6.5,       6.5,       0.0);
     ( 586827.4, 4093111.5,       6.1,       6.1,       0.0);         ( 586862.4,
4093111.5,       6.7,       6.7,       0.0);
     ( 586897.4, 4093111.5,       6.9,       6.9,       0.0);         ( 586932.4,
4093111.5,       7.1,       7.1,       0.0);
     ( 586967.4, 4093111.5,       8.3,       8.3,       0.0);         ( 587002.4,
4093111.5,       8.3,       8.3,       0.0);
     ( 587037.4, 4093111.5,       8.2,       8.2,       0.0);         ( 587107.4,
4093111.5,       8.3,       8.3,       0.0);
     ( 587142.4, 4093111.5,       8.3,       8.3,       0.0);         ( 587177.4,
4093111.5,       7.8,       7.8,       0.0);
     ( 587212.4, 4093111.5,       7.8,       7.8,       0.0);         ( 587282.4,
4093111.5,       8.2,       8.2,       0.0);
     ( 587317.4, 4093111.5,       8.3,       8.3,       0.0);         ( 587352.4,
4093111.5,       6.7,       6.7,       0.0);
     ( 587387.4, 4093111.5,       6.6,       6.6,       0.0);         ( 587422.4,
4093111.5,       7.2,      23.6,       0.0);
     ( 587457.4, 4093111.5,       7.5,      23.7,       0.0);         ( 587492.4,
4093111.5,       7.6,      24.1,       0.0);
     ( 586792.4, 4093146.5,       6.7,       6.7,       0.0);         ( 586827.4,
4093146.5,       5.6,       5.6,       0.0);
     ( 586862.4, 4093146.5,       6.7,       6.7,       0.0);         ( 586897.4,
4093146.5,       7.0,       7.0,       0.0);
     ( 586932.4, 4093146.5,       7.6,       7.6,       0.0);         ( 586967.4,
4093146.5,       8.4,       8.4,       0.0);
     ( 587002.4, 4093146.5,       8.3,       8.3,       0.0);         ( 587037.4,
4093146.5,       8.4,       8.4,       0.0);
     ( 587212.4, 4093146.5,       7.8,       7.8,       0.0);         ( 587247.4,
4093146.5,       8.2,       8.2,       0.0);
     ( 587282.4, 4093146.5,       8.5,       8.5,       0.0);         ( 587352.4,
4093146.5,       7.6,       7.6,       0.0);
     ( 587387.4, 4093146.5,       8.5,       8.5,       0.0);         ( 587422.4,
4093146.5,       8.6,       8.6,       0.0);
     ( 587457.4, 4093146.5,       7.9,      23.7,       0.0);         ( 587492.4,
4093146.5,       7.9,      24.0,       0.0);
     ( 586757.4, 4093181.5,       6.1,       6.1,       0.0);         ( 586792.4,
4093181.5,       6.0,       6.0,       0.0);
     ( 586827.4, 4093181.5,       5.3,       5.3,       0.0);         ( 586862.4,
4093181.5,       6.1,       6.1,       0.0);
```

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     ( 586897.4, 4093181.5,       7.6,       7.6,       0.0);         ( 586932.4,
4093181.5,       8.2,       8.2,       0.0);
     ( 586967.4, 4093181.5,       8.4,       8.4,       0.0);         ( 587002.4,
4093181.5,       8.4,       8.4,       0.0);
     ( 587037.4, 4093181.5,       8.6,       8.6,       0.0);         ( 587212.4,
4093181.5,       8.0,       8.0,       0.0);
     ( 587247.4, 4093181.5,       8.4,       8.4,       0.0);         ( 587282.4,
4093181.5,       8.6,       8.6,       0.0);
     ( 587317.4, 4093181.5,       8.0,       8.0,       0.0);         ( 587352.4,
4093181.5,       7.7,       7.7,       0.0);
     ( 587457.4, 4093181.5,       8.3,      23.6,       0.0);         ( 587492.4,
4093181.5,       8.2,      24.0,       0.0);
     ( 586757.4, 4093216.5,       6.8,       6.8,       0.0);         ( 586792.4,
4093216.5,       5.6,       5.6,       0.0);
     ( 586827.4, 4093216.5,       5.7,       5.7,       0.0);         ( 586862.4,
4093216.5,       7.0,       7.0,       0.0);
     ( 586897.4, 4093216.5,       8.0,       8.0,       0.0);         ( 586932.4,
4093216.5,       8.2,       8.2,       0.0);
     ( 586967.4, 4093216.5,       8.3,       8.3,       0.0);         ( 587002.4,
4093216.5,       8.4,       8.4,       0.0);
     ( 587037.4, 4093216.5,       8.6,       8.6,       0.0);         ( 587212.4,
4093216.5,       8.1,       8.1,       0.0);
     ( 587247.4, 4093216.5,       8.6,       8.6,       0.0);         ( 587282.4,
4093216.5,       8.7,       8.7,       0.0);
     ( 587317.4, 4093216.5,       8.4,       8.4,       0.0);         ( 587352.4,
4093216.5,       6.2,       6.2,       0.0);
     ( 587387.4, 4093216.5,       8.5,       8.5,       0.0);         ( 587422.4,
4093216.5,       8.7,       8.7,       0.0);
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc                ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                        ***       17:20:07

                                  PAGE 145
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                    (METERS)

     ( 587457.4, 4093216.5,       8.4,      24.0,       0.0);         ( 586757.4,
4093251.5,       6.4,       6.4,       0.0);
     ( 586792.4, 4093251.5,       5.5,       5.5,       0.0);         ( 586827.4,
4093251.5,       6.0,       6.0,       0.0);
     ( 586862.4, 4093251.5,       7.7,       7.7,       0.0);         ( 586897.4,
4093251.5,       8.5,       8.5,       0.0);
     ( 586932.4, 4093251.5,       8.5,       8.5,       0.0);         ( 586967.4,
4093251.5,       8.5,       8.5,       0.0);
     ( 587002.4, 4093251.5,       8.6,       8.6,       0.0);         ( 587177.4,
4093251.5,       8.1,       8.1,       0.0);
```

```
     ( 587212.4, 4093251.5,       8.3,       8.3,       0.0);         ( 587247.4,
4093251.5,       8.7,       8.7,       0.0);
     ( 587282.4, 4093251.5,       8.9,       8.9,       0.0);         ( 587317.4,
4093251.5,       8.9,       8.9,       0.0);
     ( 587352.4, 4093251.5,       7.6,       7.6,       0.0);         ( 587387.4,
4093251.5,       7.2,       7.2,       0.0);
     ( 587422.4, 4093251.5,       8.9,       8.9,       0.0);         ( 587457.4,
4093251.5,       8.5,      24.5,       0.0);
     ( 587492.4, 4093251.5,       8.9,      25.1,       0.0);         ( 586722.4,
4093286.5,       6.0,       6.0,       0.0);
     ( 586757.4, 4093286.5,       6.0,       6.0,       0.0);         ( 586792.4,
4093286.5,       5.8,       5.8,       0.0);
     ( 586827.4, 4093286.5,       6.4,       6.4,       0.0);         ( 586862.4,
4093286.5,       8.4,       8.4,       0.0);
     ( 586897.4, 4093286.5,       9.0,       9.0,       0.0);         ( 586932.4,
4093286.5,       8.9,       8.9,       0.0);
     ( 586967.4, 4093286.5,       8.7,       8.7,       0.0);         ( 587002.4,
4093286.5,       8.8,       8.8,       0.0);
     ( 587107.4, 4093286.5,       8.6,       8.6,       0.0);         ( 587177.4,
4093286.5,       8.2,       8.2,       0.0);
     ( 587212.4, 4093286.5,       8.5,       8.5,       0.0);         ( 587247.4,
4093286.5,       8.8,       8.8,       0.0);
     ( 587282.4, 4093286.5,       9.0,       9.0,       0.0);         ( 587317.4,
4093286.5,       9.1,       9.1,       0.0);
     ( 587352.4, 4093286.5,       8.1,       8.1,       0.0);         ( 587387.4,
4093286.5,       6.9,      21.7,       0.0);
     ( 587422.4, 4093286.5,       8.9,      24.3,       0.0);         ( 587457.4,
4093286.5,       8.7,      24.9,       0.0);
     ( 587492.4, 4093286.5,       9.1,      25.1,       0.0);         ( 586722.4,
4093321.5,       6.9,       6.9,       0.0);
     ( 586757.4, 4093321.5,       6.0,       6.0,       0.0);         ( 586792.4,
4093321.5,       6.1,       6.1,       0.0);
     ( 586827.4, 4093321.5,       6.8,       6.8,       0.0);         ( 586862.4,
4093321.5,       8.7,       8.7,       0.0);
     ( 586897.4, 4093321.5,       9.3,       9.3,       0.0);         ( 586932.4,
4093321.5,       9.1,       9.1,       0.0);
     ( 586967.4, 4093321.5,       9.0,       9.0,       0.0);         ( 587072.4,
4093321.5,       8.7,       8.7,       0.0);
     ( 587107.4, 4093321.5,       8.6,       8.6,       0.0);         ( 587177.4,
4093321.5,       8.4,       8.4,       0.0);
     ( 587212.4, 4093321.5,       8.7,       8.7,       0.0);         ( 587247.4,
4093321.5,       9.0,       9.0,       0.0);
     ( 587282.4, 4093321.5,       9.2,       9.2,       0.0);         ( 587317.4,
4093321.5,       8.7,       8.7,       0.0);
     ( 587352.4, 4093321.5,       6.9,       6.9,       0.0);         ( 587387.4,
4093321.5,       7.6,      23.0,       0.0);
     ( 587422.4, 4093321.5,       9.0,      24.5,       0.0);         ( 587457.4,
4093321.5,       9.1,      25.2,       0.0);
     ( 587492.4, 4093321.5,      11.2,      25.2,       0.0);         ( 586722.4,
4093356.5,       6.8,       6.8,       0.0);
```

(586757.4, 4093356.5, 6.0, 6.0, 0.0); (586792.4, 4093356.5, 6.3, 6.3, 0.0);
(586827.4, 4093356.5, 7.5, 7.5, 0.0); (586862.4, 4093356.5, 8.9, 8.9, 0.0);
(586897.4, 4093356.5, 9.0, 9.0, 0.0); (586932.4, 4093356.5, 8.9, 8.9, 0.0);
(586967.4, 4093356.5, 9.1, 9.1, 0.0); (587037.4, 4093356.5, 9.2, 9.2, 0.0);
(587072.4, 4093356.5, 8.9, 8.9, 0.0); (587107.4, 4093356.5, 8.7, 8.7, 0.0);
(587212.4, 4093356.5, 8.7, 8.7, 0.0); (587247.4, 4093356.5, 9.0, 9.0, 0.0);
(587282.4, 4093356.5, 9.2, 9.2, 0.0); (587317.4, 4093356.5, 7.6, 7.6, 0.0);
(587352.4, 4093356.5, 7.6, 7.6, 0.0); (587387.4, 4093356.5, 8.8, 23.5, 0.0);
(587422.4, 4093356.5, 9.4, 25.0, 0.0); (587457.4, 4093356.5, 11.4, 25.0, 0.0);
(587492.4, 4093356.5, 17.5, 24.3, 0.0); (586687.4, 4093391.5, 7.3, 7.3, 0.0);
(586722.4, 4093391.5, 6.5, 6.5, 0.0); (586757.4, 4093391.5, 6.0, 6.0, 0.0);
(586792.4, 4093391.5, 6.5, 6.5, 0.0); (586827.4, 4093391.5, 8.5, 8.5, 0.0);
(586862.4, 4093391.5, 9.1, 9.1, 0.0); (586897.4, 4093391.5, 9.0, 9.0, 0.0);
(586932.4, 4093391.5, 8.9, 8.9, 0.0); (586967.4, 4093391.5, 9.0, 9.0, 0.0);
(587037.4, 4093391.5, 9.2, 9.2, 0.0); (587072.4, 4093391.5, 9.0, 9.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(587107.4, 4093391.5, 8.8, 8.8, 0.0); (587177.4, 4093391.5, 8.6, 8.6, 0.0);
(587212.4, 4093391.5, 8.8, 8.8, 0.0); (587247.4, 4093391.5, 9.1, 9.1, 0.0);
(587282.4, 4093391.5, 9.2, 9.2, 0.0); (587317.4, 4093391.5, 7.4, 7.4, 0.0);
(587352.4, 4093391.5, 7.9, 7.9, 0.0); (587387.4, 4093391.5, 9.4, 24.3, 0.0);

```
     ( 587422.4, 4093391.5,      10.2,      25.0,       0.0);         ( 586687.4,
4093426.5,       7.6,       7.6,       0.0);
     ( 586722.4, 4093426.5,       6.9,       6.9,       0.0);         ( 586757.4,
4093426.5,       7.2,       7.2,       0.0);
     ( 586792.4, 4093426.5,       8.5,       8.5,       0.0);         ( 586827.4,
4093426.5,       9.2,       9.2,       0.0);
     ( 586862.4, 4093426.5,       9.1,       9.1,       0.0);         ( 586897.4,
4093426.5,       9.1,       9.1,       0.0);
     ( 586932.4, 4093426.5,       9.1,       9.1,       0.0);         ( 586967.4,
4093426.5,       9.4,       9.4,       0.0);
     ( 587002.4, 4093426.5,       9.6,       9.6,       0.0);         ( 587037.4,
4093426.5,       9.2,       9.2,       0.0);
     ( 587072.4, 4093426.5,       9.0,       9.0,       0.0);         ( 587107.4,
4093426.5,       8.8,       8.8,       0.0);
     ( 587177.4, 4093426.5,       8.7,       8.7,       0.0);         ( 587212.4,
4093426.5,       8.9,       8.9,       0.0);
     ( 587247.4, 4093426.5,       9.2,       9.2,       0.0);         ( 587282.4,
4093426.5,       9.4,       9.4,       0.0);
     ( 587317.4, 4093426.5,       8.6,       8.6,       0.0);         ( 587352.4,
4093426.5,       6.7,      24.3,       0.0);
     ( 587387.4, 4093426.5,       7.2,      25.0,       0.0);         ( 587422.4,
4093426.5,       8.6,      25.2,       0.0);
     ( 587457.4, 4093426.5,      13.0,      25.2,       0.0);         ( 587492.4,
4093426.5,      20.4,      24.3,       0.0);
     ( 586687.4, 4093461.5,       7.0,       7.0,       0.0);         ( 586722.4,
4093461.5,       7.0,       7.0,       0.0);
     ( 586757.4, 4093461.5,       8.4,       8.4,       0.0);         ( 586792.4,
4093461.5,       9.3,       9.3,       0.0);
     ( 586827.4, 4093461.5,       9.4,       9.4,       0.0);         ( 586862.4,
4093461.5,       9.3,       9.3,       0.0);
     ( 586897.4, 4093461.5,       9.3,       9.3,       0.0);         ( 586932.4,
4093461.5,       9.4,       9.4,       0.0);
     ( 587002.4, 4093461.5,       9.7,       9.7,       0.0);         ( 587037.4,
4093461.5,       9.5,       9.5,       0.0);
     ( 587072.4, 4093461.5,       9.1,       9.1,       0.0);         ( 587107.4,
4093461.5,       8.9,       8.9,       0.0);
     ( 587142.4, 4093461.5,       8.8,       8.8,       0.0);         ( 587177.4,
4093461.5,       8.9,       8.9,       0.0);
     ( 587212.4, 4093461.5,       8.9,       8.9,       0.0);         ( 587247.4,
4093461.5,       9.1,       9.1,       0.0);
     ( 587282.4, 4093461.5,       9.3,       9.3,       0.0);         ( 587352.4,
4093461.5,       9.2,       9.2,       0.0);
     ( 587387.4, 4093461.5,       8.9,      24.3,       0.0);         ( 587422.4,
4093461.5,       8.1,      25.2,       0.0);
     ( 587457.4, 4093461.5,       8.1,      25.7,       0.0);         ( 586652.4,
4093496.5,       7.0,       7.0,       0.0);
     ( 586687.4, 4093496.5,       6.5,       6.5,       0.0);         ( 586722.4,
4093496.5,       7.2,       7.2,       0.0);
     ( 586757.4, 4093496.5,       8.9,       8.9,       0.0);         ( 586792.4,
4093496.5,       9.3,       9.3,       0.0);
```

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     ( 586827.4, 4093496.5,       9.3,       9.3,       0.0);         ( 586897.4,
4093496.5,       9.5,       9.5,       0.0);
     ( 586932.4, 4093496.5,       9.7,       9.7,       0.0);         ( 587002.4,
4093496.5,       9.7,       9.7,       0.0);
     ( 587107.4, 4093496.5,       9.1,       9.1,       0.0);         ( 587142.4,
4093496.5,       9.0,       9.0,       0.0);
     ( 587177.4, 4093496.5,       9.0,       9.0,       0.0);         ( 587212.4,
4093496.5,       9.0,       9.0,       0.0);
     ( 587247.4, 4093496.5,       9.1,       9.1,       0.0);         ( 587282.4,
4093496.5,       9.4,       9.4,       0.0);
     ( 587352.4, 4093496.5,       9.6,       9.6,       0.0);         ( 587387.4,
4093496.5,       9.7,       9.7,       0.0);
     ( 587422.4, 4093496.5,      10.0,      25.0,       0.0);         ( 587457.4,
4093496.5,      10.0,      25.2,       0.0);
     ( 587492.4, 4093496.5,       9.8,      25.9,       0.0);         ( 586652.4,
4093531.5,       7.5,       7.5,       0.0);
     ( 586687.4, 4093531.5,       7.0,       7.0,       0.0);         ( 586722.4,
4093531.5,       8.1,       8.1,       0.0);
     ( 586757.4, 4093531.5,       9.3,       9.3,       0.0);         ( 586792.4,
4093531.5,       9.4,       9.4,       0.0);
     ( 586827.4, 4093531.5,       9.5,       9.5,       0.0);         ( 586862.4,
4093531.5,       9.6,       9.6,       0.0);
     ( 586897.4, 4093531.5,       9.7,       9.7,       0.0);         ( 586932.4,
4093531.5,       9.8,       9.8,       0.0);
     ( 586967.4, 4093531.5,      10.0,      10.0,       0.0);         ( 587002.4,
4093531.5,       9.9,       9.9,       0.0);
     ( 587037.4, 4093531.5,       9.7,       9.7,       0.0);         ( 587072.4,
4093531.5,       9.5,       9.5,       0.0);
     ( 587107.4, 4093531.5,       9.4,       9.4,       0.0);         ( 587142.4,
4093531.5,       9.2,       9.2,       0.0);
     ( 587177.4, 4093531.5,       9.1,       9.1,       0.0);         ( 587212.4,
4093531.5,       9.0,       9.0,       0.0);
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc                ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                          ***       17:20:07

                                  PAGE 147
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                                 *** DISCRETE CARTESIAN RECEPTORS ***
                                               (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                           (METERS)

     ( 587247.4, 4093531.5,       9.0,       9.0,       0.0);         ( 587282.4,
4093531.5,       9.2,       9.2,       0.0);
     ( 587317.4, 4093531.5,       9.2,       9.2,       0.0);         ( 587352.4,
4093531.5,       9.5,       9.5,       0.0);
     ( 587387.4, 4093531.5,       9.6,       9.6,       0.0);         ( 587422.4,
4093531.5,       9.6,      24.3,       0.0);
```

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0001098	587107.4	4093286.5	-0.63
L0001103	587002.4	4093426.5	0.96
L0001139	587142.4	4092901.5	-0.81
L0001152	587037.4	4093041.5	-1.85
L0001162	587177.4	4093076.5	-3.81
L0001164	587212.4	4093111.5	0.22
L0001165	587212.4	4093111.5	-8.42
L0001170	587282.4	4093146.5	-5.42
L0001175	587352.4	4093181.5	-1.68
L0001176	587352.4	4093181.5	0.70

*** 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 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***

(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: 745058_2015-2019_AdjU.sfc
Met Version: 21112
Profile file: 745058_2015-2019_AdjU.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 23277 Upper air station no.: 23230
Name: UNKNOWN Name: OAKLAND/WSO_AP
Year: 2015 Year: 2015

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
15	01	01	1	01	-6.1	0.100	-9.000	-9.000	-999.	76.	14.8	0.03	0.83	1.00	1.65	348.	10.0	275.4	2.0
15	01	01	1	02	-15.8	0.163	-9.000	-9.000	-999.	158.	29.1	0.02	0.83	1.00	2.67	319.	10.0	274.9	2.0
15	01	01	1	03	-3.7	0.078	-9.000	-9.000	-999.	55.	11.6	0.02	0.83	1.00	1.30	328.	10.0	274.9	2.0
15	01	01	1	04	-5.3	0.093	-9.000	-9.000	-999.	68.	13.8	0.03	0.83	1.00	1.54	345.	10.0	274.2	2.0
15	01	01	1	05	-4.7	0.088	-9.000	-9.000	-999.	62.	13.0	0.03	0.83	1.00	1.45	346.	10.0	273.1	2.0
15	01	01	1	06	-6.2	0.101	-9.000	-9.000	-999.	77.	14.9	0.03	0.83	1.00	1.67	344.	10.0	273.1	2.0
15	01	01	1	07	-2.6	0.068	-9.000	-9.000	-999.	42.	10.7	0.02	0.83	1.00	1.08	75.	10.0	273.1	2.0
15	01	01	1	08	-3.1	0.071	-9.000	-9.000	-999.	46.	10.7	0.02	0.83	0.72	1.21	294.	10.0	273.1	2.0
15	01	01	1	09	-0.1	0.066	-9.000	-9.000	-999.	41.	488.4	0.02	0.83	0.38	1.06	280.	10.0	277.0	2.0
15	01	01	1	10	44.4	0.168	0.765	0.010	366.	165.	-9.7	0.02	0.83	0.26	2.08	118.	10.0	280.4	2.0
15	01	01	1	11	78.4	0.181	0.951	0.009	397.	185.	-6.9	0.03	0.83	0.22	2.08	130.	10.0	283.8	2.0
15	01	01	1	12	97.7	0.248	1.054	0.007	433.	296.	-14.1	0.02	0.83	0.20	3.18	90.	10.0	286.4	2.0
15	01	01	1	13	100.7	0.163	1.128	0.006	516.	160.	-3.9	0.02	0.83	0.20	1.81	114.	10.0	287.0	2.0
15	01	01	1	14	87.8	0.152	1.099	0.005	546.	142.	-3.6	0.03	0.83	0.21	1.60	141.	10.0	287.5	2.0
15	01	01	1	15	59.1	0.212	0.974	0.005	564.	234.	-14.6	0.02	0.83	0.24	2.89	190.	10.0	286.4	2.0
15	01	01	1	16	17.8	0.195	0.655	0.005	570.	207.	-37.6	0.02	0.83	0.32	2.74	232.	10.0	285.9	2.0
15	01	01	1	17	-3.0	0.073	-9.000	-9.000	-999.	60.	11.8	0.02	0.83	0.55	1.28	256.	10.0	284.9	2.0
15	01	01	1	18	-2.8	0.069	-9.000	-9.000	-999.	44.	10.6	0.02	0.83	1.00	1.16	297.	10.0	281.4	2.0
15	01	01	1	19	-12.1	0.143	-9.000	-9.000	-999.	129.	22.4	0.02	0.83	1.00	2.36	314.	10.0	280.4	2.0
15	01	01	1	20	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.02	0.83						

```
1.00    0.00    0.   10.0  279.2    2.0
 15 01 01   1 21 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.02   0.83
1.00    0.00    0.   10.0  278.8    2.0
 15 01 01   1 22   -6.6  0.104 -9.000 -9.000 -999.   80.     15.3  0.02   0.83
1.00    1.76  302.   10.0  277.5    2.0
 15 01 01   1 23 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.02   0.83
1.00    0.00    0.   10.0  276.4    2.0
 15 01 01   1 24 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.02   0.83
1.00    0.00    0.   10.0  275.4    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 15 01 01 01   10.0 1  348.    1.65   275.4   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:20:07

                                  PAGE 151
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                  INCLUDING SOURCE(S):     L0001049    , L0001050
 , L0001051    , L0001052    , L0001053    ,
                 L0001054    , L0001055    , L0001056    , L0001057    , L0001058
 , L0001059    , L0001060    , L0001061    ,
                 L0001062    , L0001063    , L0001064    , L0001065    , L0001066
 , L0001067    , L0001068    , L0001069    ,
                 L0001070    , L0001071    , L0001072    , L0001073    , L0001074
 , L0001075    , L0001076    ,  . . .      ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         586932.41    4092866.55        0.35297                      586967.41
4092866.55        0.38376
         587002.41    4092866.55        0.41046                      587037.41
4092866.55        0.44743
         587072.41    4092866.55        0.47902                      587107.41
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4092866.55        0.50824
         587142.41    4092866.55        0.53553                    587177.41
4092866.55        0.55941
         587212.41    4092866.55        0.57455                    587247.41
4092866.55        0.57220
         587282.41    4092866.55        0.54986                    587317.41
4092866.55        0.51395
         587352.41    4092866.55        0.47072                    587387.41
4092866.55        0.42698
         587457.41    4092866.55        0.36011                    586897.41
4092901.55        0.37370
         586932.41    4092901.55        0.41474                    586967.41
4092901.55        0.45626
         587002.41    4092901.55        0.49948                    587037.41
4092901.55        0.54386
         587072.41    4092901.55        0.58695                    587107.41
4092901.55        0.62750
         587142.41    4092901.55        0.66444                    587177.41
4092901.55        0.69340
         587247.41    4092901.55        0.68846                    587317.41
4092901.55        0.59202
         587352.41    4092901.55        0.53282                    587387.41
4092901.55        0.47622
         587457.41    4092901.55        0.36935                    587492.41
4092901.55        0.33030
         586897.41    4092936.55        0.43602                    586932.41
4092936.55        0.49065
         586967.41    4092936.55        0.54729                    587002.41
4092936.55        0.61354
         587037.41    4092936.55        0.67649                    587072.41
4092936.55        0.73869
         587107.41    4092936.55        0.79721                    587177.41
4092936.55        0.88267
         587212.41    4092936.55        0.88284                    587247.41
4092936.55        0.84043
         587282.41    4092936.55        0.76902                    587317.41
4092936.55        0.68599
         587352.41    4092936.55        0.60437                    587387.41
4092936.55        0.52961
         587422.41    4092936.55        0.46168                    587457.41
4092936.55        0.40303
         587492.41    4092936.55        0.35221                    586862.41
4092971.55        0.44452
         586967.41    4092971.55        0.67753                    587002.41
4092971.55        0.77082
         587037.41    4092971.55        0.86673                    587072.41
4092971.55        0.96192
         587107.41    4092971.55        1.05096                    587177.41
4092971.55        1.16032
         587212.41    4092971.55        1.13121                    587247.41
```

4092971.55   1.04080
         587282.41   4092971.55   0.92090   587317.41
4092971.55   0.79745
         587352.41   4092971.55   0.68392   587387.41
4092971.55   0.58427
         587422.41   4092971.55   0.49815   587492.41
4092971.55   0.36648
         586827.41   4093006.55   0.44355   586862.41
4093006.55   0.51785
         586897.41   4093006.55   0.60906   586932.41
4093006.55   0.71891
         587037.41   4093006.55   1.15151   587072.41
4093006.55   1.31019
         587142.41   4093006.55   1.56686   587177.41
4093006.55   1.58811
         587212.41   4093006.55   1.48844   587247.41
4093006.55   1.30705
         587282.41   4093006.55   1.10699   587317.41
4093006.55   0.92341
         587352.41   4093006.55   0.76605   587387.41
4093006.55   0.63579
         587422.41   4093006.55   0.52984   587492.41
4093006.55   0.36578
         586827.41   4093041.55   0.51372   586862.41
4093041.55   0.60885

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                   INCLUDING SOURCE(S):   L0001049   , L0001050
 , L0001051   , L0001052   , L0001053   ,
                 L0001054   , L0001055   , L0001056   , L0001057   , L0001058
 , L0001059   , L0001060   , L0001061   ,
                 L0001062   , L0001063   , L0001064   , L0001065   , L0001066
 , L0001067   , L0001068   , L0001069   ,
                 L0001070   , L0001071   , L0001072   , L0001073   , L0001074
 , L0001075   , L0001076   , . . .   ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
586897.41	4093041.55	0.73246	586932.41	4093041.55	0.88828
586967.41	4093041.55	1.08327	587002.41	4093041.55	1.32222
587037.41	4093041.55	1.60053	587142.41	4093041.55	2.34516
587177.41	4093041.55	2.29157	587212.41	4093041.55	2.01465
587247.41	4093041.55	1.65740	587282.41	4093041.55	1.32651
587317.41	4093041.55	1.05664	587352.41	4093041.55	0.84506
587387.41	4093041.55	0.68209	587422.41	4093041.55	0.55721
587457.41	4093041.55	0.45875	586827.41	4093076.55	0.59785
586862.41	4093076.55	0.72345	586897.41	4093076.55	0.89140
586932.41	4093076.55	1.11517	586967.41	4093076.55	1.41614
587002.41	4093076.55	1.82127	587037.41	4093076.55	2.35507
587072.41	4093076.55	3.00519	587177.41	4093076.55	3.54366
587212.41	4093076.55	2.80062	587247.41	4093076.55	2.09921
587282.41	4093076.55	1.56867	587317.41	4093076.55	1.18988
587352.41	4093076.55	0.92006	587387.41	4093076.55	0.72555
587422.41	4093076.55	0.58332	587457.41	4093076.55	0.47859
587492.41	4093076.55	0.40084	586792.41	4093111.55	0.57170
586827.41	4093111.55	0.69439	586862.41	4093111.55	0.86017
586897.41	4093111.55	1.08890	586932.41	4093111.55	1.41352
586967.41	4093111.55	1.88739	587002.41	4093111.55	2.60212
587037.41	4093111.55	3.71933	587107.41	4093111.55	7.64745
587142.41	4093111.55	7.92941	587177.41	4093111.55	6.00200
587212.41	4093111.55	3.94233	587282.41	4093111.55	1.82827

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         587317.41    4093111.55        1.32793                      587352.41
4093111.55        0.99677
         587387.41    4093111.55        0.77402                      587422.41
4093111.55        0.61767
         587457.41    4093111.55        0.50367                      587492.41
4093111.55        0.41868
         586792.41    4093146.55        0.64229                      586827.41
4093146.55        0.79417
         586862.41    4093146.55        1.00655                      586897.41
4093146.55        1.31180
         586932.41    4093146.55        1.77093                      586967.41
4093146.55        2.49850
         587002.41    4093146.55        3.74140                      587037.41
4093146.55        6.13150
         587212.41    4093146.55        5.54467                      587247.41
4093146.55        3.26423
         587282.41    4093146.55        2.13056                      587352.41
4093146.55        1.09474
         587387.41    4093146.55        0.83727                      587422.41
4093146.55        0.66030
         587457.41    4093146.55        0.53434                      587492.41
4093146.55        0.44157
         586757.41    4093181.55        0.57170                      586792.41
4093181.55        0.70234
         586827.41    4093181.55        0.88188                      586862.41
4093181.55        1.13967
         586897.41    4093181.55        1.52362                      586932.41
4093181.55        2.12672
         586967.41    4093181.55        3.14899                      587002.41
4093181.55        5.06431
         587037.41    4093181.55        9.29003                      587212.41
4093181.55        7.87730
         587247.41    4093181.55        4.11142                      587282.41
4093181.55        2.51564
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc                ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                        ***       17:20:07

                                  PAGE 153
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                  INCLUDING SOURCE(S):     L0001049    , L0001050
 , L0001051    , L0001052    , L0001053    ,
                 L0001054    , L0001055    , L0001056    , L0001057    , L0001058
 , L0001059    , L0001060    , L0001061    ,
                 L0001062    , L0001063    , L0001064    , L0001065    , L0001066
 , L0001067    , L0001068    , L0001069    ,
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L0001070 , L0001071 , L0001072 , L0001073 , L0001074
, L0001075 , L0001076 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
587317.41	4093181.55	1.69502	587352.41	4093181.55	1.21698
587457.41	4093181.55	0.57202	587492.41	4093181.55	0.46904
586757.41	4093216.55	0.59800	586792.41	4093216.55	0.74084
586827.41	4093216.55	0.94124	586862.41	4093216.55	1.23383
586897.41	4093216.55	1.67974	586932.41	4093216.55	2.40722
586967.41	4093216.55	3.70057	587002.41	4093216.55	6.30187
587037.41	4093216.55	12.62914	587212.41	4093216.55	10.06549
587247.41	4093216.55	5.06537	587282.41	4093216.55	2.97574
587317.41	4093216.55	1.94590	587352.41	4093216.55	1.36434
587387.41	4093216.55	1.01057	587422.41	4093216.55	0.77682
587457.41	4093216.55	0.61641	586757.41	4093251.55	0.60363
586792.41	4093251.55	0.75065	586827.41	4093251.55	0.95907
586862.41	4093251.55	1.26599	586897.41	4093251.55	1.74293
586932.41	4093251.55	2.54249	586967.41	4093251.55	4.02079
587002.41	4093251.55	7.20464	587177.41	4093251.55	24.27796
587212.41	4093251.55	10.93726	587247.41	4093251.55	5.75980
587282.41	4093251.55	3.40542	587317.41	4093251.55	2.20121
587352.41	4093251.55	1.53028	587387.41	4093251.55	1.11715
587422.41	4093251.55	0.84696	587457.41		

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4093251.55        0.66572
         587492.41    4093251.55        0.53543                        586722.41
4093286.55        0.48480
         586757.41    4093286.55        0.58907                        586792.41
4093286.55        0.73160
         586827.41    4093286.55        0.93340                        586862.41
4093286.55        1.22921
         586897.41    4093286.55        1.68922                        586932.41
4093286.55        2.46890
         586967.41    4093286.55        3.93122                        587002.41
4093286.55        7.24142
         587107.41    4093286.55       43.24604                        587177.41
4093286.55       21.35979
         587212.41    4093286.55       10.59436                        587247.41
4093286.55        5.97596
         587282.41    4093286.55        3.66860                        587317.41
4093286.55        2.40659
         587352.41    4093286.55        1.67921                        587387.41
4093286.55        1.22131
         587422.41    4093286.55        0.91851                        587457.41
4093286.55        0.71665
         587492.41    4093286.55        0.57156                        586722.41
4093321.55        0.46318
         586757.41    4093321.55        0.56013                        586792.41
4093321.55        0.69157
         586827.41    4093321.55        0.87542                        586862.41
4093321.55        1.14042
         586897.41    4093321.55        1.53755                        586932.41
4093321.55        2.20284
         586967.41    4093321.55        3.38544                        587072.41
4093321.55       27.07934
         587107.41    4093321.55       29.30609                        587177.41
4093321.55       16.98545
         587212.41    4093321.55        9.39675                        587247.41
4093321.55        5.71599
         587282.41    4093321.55        3.69636                        587317.41
4093321.55        2.52200
         587352.41    4093321.55        1.78525                        587387.41
4093321.55        1.30573
         587422.41    4093321.55        0.98314                        587457.41
4093321.55        0.76296
         587492.41    4093321.55        0.59468                        586722.41
4093356.55        0.43683
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc                ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                        ***       17:20:07

                                  PAGE 154
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***

INCLUDING SOURCE(S): L0001049 , L0001050 , L0001051 , L0001052 , L0001053 , L0001054 , L0001055 , L0001056 , L0001057 , L0001058 , L0001059 , L0001060 , L0001061 , L0001062 , L0001063 , L0001064 , L0001065 , L0001066 , L0001067 , L0001068 , L0001069 , L0001070 , L0001071 , L0001072 , L0001073 , L0001074 , L0001075 , L0001076 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
586757.41	4093356.55	0.52479	586792.41	4093356.55	0.64246
586827.41	4093356.55	0.80366	586862.41	4093356.55	1.03052
586897.41	4093356.55	1.36537	586932.41	4093356.55	1.88806
586967.41	4093356.55	2.74388	587037.41	4093356.55	7.12303
587072.41	4093356.55	11.47955	587107.41	4093356.55	14.83224
587212.41	4093356.55	7.64839	587247.41	4093356.55	5.09323
587282.41	4093356.55	3.50464	587317.41	4093356.55	2.49885
587352.41	4093356.55	1.81824	587387.41	4093356.55	1.35246
587422.41	4093356.55	1.02609	587457.41	4093356.55	0.78454
587492.41	4093356.55	0.57097	586687.41	4093391.55	0.34896
586722.41	4093391.55	0.40999	586757.41	4093391.55	0.48887
586792.41	4093391.55	0.59262	586827.41	4093391.55	0.73077
586862.41	4093391.55	0.92002	586897.41	4093391.55	1.19173
586932.41	4093391.55	1.59044	586967.41	4093391.55	2.19633

587037.41 4093391.55 4.54015 587072.41
4093391.55 6.36460
587107.41 4093391.55 7.93142 587177.41
4093391.55 7.50910
587212.41 4093391.55 5.74958 587247.41
4093391.55 4.24482
587282.41 4093391.55 3.13379 587317.41
4093391.55 2.35195
587352.41 4093391.55 1.77430 587387.41
4093391.55 1.35000
587422.41 4093391.55 1.04005 586687.41
4093426.55 0.32916
586722.41 4093426.55 0.38426 586757.41
4093426.55 0.45417
586792.41 4093426.55 0.54369 586827.41
4093426.55 0.65886
586862.41 4093426.55 0.81660 586897.41
4093426.55 1.03165
586932.41 4093426.55 1.33142 586967.41
4093426.55 1.75098
587002.41 4093426.55 2.33593 587037.41
4093426.55 3.12338
587072.41 4093426.55 4.04002 587107.41
4093426.55 4.83042
587177.41 4093426.55 4.91566 587212.41
4093426.55 4.18906
587247.41 4093426.55 3.38299 587282.41
4093426.55 2.67332
587317.41 4093426.55 2.11448 587352.41
4093426.55 1.66815
587387.41 4093426.55 1.31737 587422.41
4093426.55 1.04595
587457.41 4093426.55 0.80935 587492.41
4093426.55 0.59605
586687.41 4093461.55 0.31064 586722.41
4093461.55 0.35974
586757.41 4093461.55 0.42052 586792.41
4093461.55 0.49509
586827.41 4093461.55 0.59265 586862.41
4093461.55 0.72022
586897.41 4093461.55 0.88921 586932.41
4093461.55 1.11442
587002.41 4093461.55 1.79263 587037.41
4093461.55 2.26024
587072.41 4093461.55 2.77791 587107.41
4093461.55 3.22657
587142.41 4093461.55 3.46719 587177.41
4093461.55 3.40092
587212.41 4093461.55 3.08033 587247.41
4093461.55 2.65261

                              *** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ONSITE   ***
                                 INCLUDING SOURCE(S):   L0001049   , L0001050
 , L0001051   , L0001052   , L0001053   ,
                  L0001054   , L0001055   , L0001056   , L0001057   , L0001058
 , L0001059   , L0001060   , L0001061   ,
                  L0001062   , L0001063   , L0001064   , L0001065   , L0001066
 , L0001067   , L0001068   , L0001069   ,
                  L0001070   , L0001071   , L0001072   , L0001073   , L0001074
 , L0001075   , L0001076   , . . .   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         587387.41   4093461.55   1.23219   587422.41
4093461.55   1.00902
         587457.41   4093461.55   0.82760   586652.41
4093496.55   0.25703
         586687.41   4093496.55   0.29267   586722.41
4093496.55   0.33581
         586757.41   4093496.55   0.38795   586792.41
4093496.55   0.45147
         586827.41   4093496.55   0.53256   586897.41
4093496.55   0.76911
         586932.41   4093496.55   0.93859   587002.41
4093496.55   1.40974
         587107.41   4093496.55   2.29663   587142.41
4093496.55   2.46440
         587177.41   4093496.55   2.46554   587212.41
4093496.55   2.31814
         587247.41   4093496.55   2.08176   587282.41
4093496.55   1.81607
         587352.41   4093496.55   1.32653   587387.41

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4093496.55        1.11928
         587422.41    4093496.55        0.93876                      587457.41
4093496.55        0.78798
         587492.41    4093496.55        0.66341                      586652.41
4093531.55        0.24333
         586687.41    4093531.55        0.27486                      586722.41
4093531.55        0.31219
         586757.41    4093531.55        0.35564                      586792.41
4093531.55        0.40994
         586827.41    4093531.55        0.47726                      586862.41
4093531.55        0.56165
         586897.41    4093531.55        0.66788                      586932.41
4093531.55        0.79850
         586967.41    4093531.55        0.95114                      587002.41
4093531.55        1.12863
         587037.41    4093531.55        1.32658                      587072.41
4093531.55        1.53006
         587107.41    4093531.55        1.70907                      587142.41
4093531.55        1.83210
         587177.41    4093531.55        1.85636                      587212.41
4093531.55        1.78963
         587247.41    4093531.55        1.65534                      587282.41
4093531.55        1.49097
         587317.41    4093531.55        1.32234                      587352.41
4093531.55        1.15493
         587387.41    4093531.55        1.00315                      587422.41
4093531.55        0.86564
         587457.41    4093531.55        0.74228                      587492.41
4093531.55        0.63522
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc                ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                        ***        17:20:07

                                   PAGE 156
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: OFFSITEO ***
                                   INCLUDING SOURCE(S):     L0001099    , L0001100
 , L0001101    , L0001102    , L0001103    ,
                 L0001104    , L0001105    , L0001106    , L0001107    , L0001108
 , L0001109    , L0001110    , L0001111    ,
                 L0001112    , L0001113    , L0001114    , L0001115    , L0001116
 , L0001117    , L0001118    , L0001119    ,
                 L0001120    , L0001121    , L0001122    , L0001123    , L0001124
 , L0001125    , L0001126    ,  . . .      ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
586932.41	4092866.55	0.62520	586967.41	4092866.55	0.75081
587002.41	4092866.55	0.91035	587037.41	4092866.55	1.18110
587072.41	4092866.55	1.60467	587107.41	4092866.55	2.22760
587142.41	4092866.55	3.02446	587177.41	4092866.55	2.93474
587212.41	4092866.55	1.94932	587247.41	4092866.55	1.32569
587282.41	4092866.55	0.96837	587317.41	4092866.55	0.74720
587352.41	4092866.55	0.59716	587387.41	4092866.55	0.49015
587457.41	4092866.55	0.34323	586897.41	4092901.55	0.61773
586932.41	4092901.55	0.74870	586967.41	4092901.55	0.93233
587002.41	4092901.55	1.20867	587037.41	4092901.55	1.67343
587072.41	4092901.55	2.52486	587107.41	4092901.55	4.39547
587142.41	4092901.55	6.08574	587177.41	4092901.55	6.59444
587247.41	4092901.55	1.65492	587317.41	4092901.55	0.84230
587352.41	4092901.55	0.65685	587387.41	4092901.55	0.53000
587457.41	4092901.55	0.35714	587492.41	4092901.55	0.29223
586897.41	4092936.55	0.71875	586932.41	4092936.55	0.88544
586967.41	4092936.55	1.13112	587002.41	4092936.55	1.55140
587037.41	4092936.55	2.27279	587072.41	4092936.55	3.74526
587107.41	4092936.55	7.68151	587177.41	4092936.55	10.52879
587212.41	4092936.55	3.97676	587247.41	4092936.55	2.09440
587282.41	4092936.55	1.34324	587317.41	4092936.55	0.95697

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         587352.41    4092936.55        0.72643                       587387.41
4092936.55        0.57509
         587422.41    4092936.55        0.46850                       587457.41
4092936.55        0.39089
         587492.41    4092936.55        0.31200                       586862.41
4092971.55        0.66993
         586967.41    4092971.55        1.37295                       587002.41
4092971.55        1.92868
         587037.41    4092971.55        2.93944                       587072.41
4092971.55        5.17180
         587107.41    4092971.55       11.73718                       587177.41
4092971.55       10.24633
         587212.41    4092971.55        4.65549                       587247.41
4092971.55        2.51130
         587282.41    4092971.55        1.56820                       587317.41
4092971.55        1.08477
         587352.41    4092971.55        0.80387                       587387.41
4092971.55        0.62502
         587422.41    4092971.55        0.50243                       587492.41
4092971.55        0.33142
         586827.41    4093006.55        0.61363                       586862.41
4093006.55        0.75013
         586897.41    4093006.55        0.93957                       586932.41
4093006.55        1.21191
         587037.41    4093006.55        3.69947                       587072.41
4093006.55        6.91059
         587142.41    4093006.55       20.48240                       587177.41
4093006.55        9.04521
         587212.41    4093006.55        4.70461                       587247.41
4093006.55        2.73659
         587282.41    4093006.55        1.74822                       587317.41
4093006.55        1.20348
         587352.41    4093006.55        0.88175                       587387.41
4093006.55        0.67718
         587422.41    4093006.55        0.53810                       587492.41
4093006.55        0.34790
         586827.41    4093041.55        0.67490                       586862.41
4093041.55        0.83208
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                       ***       17:20:07

                                 PAGE 157
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: OFFSITEO ***
                                 INCLUDING SOURCE(S):     L0001099    , L0001100
 , L0001101    , L0001102    , L0001103    ,
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                 L0001104    , L0001105    , L0001106    , L0001107    , L0001108
 , L0001109    , L0001110    , L0001111    ,
                 L0001112    , L0001113    , L0001114    , L0001115    , L0001116
 , L0001117    , L0001118    , L0001119    ,
                 L0001120    , L0001121    , L0001122    , L0001123    , L0001124
 , L0001125    , L0001126    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         586897.41    4093041.55        1.05705                     586932.41
4093041.55        1.38540
         586967.41    4093041.55        1.90051                     587002.41
4093041.55        2.79947
         587037.41    4093041.55        4.60828                     587142.41
4093041.55       15.77965
         587177.41    4093041.55        7.84701                     587212.41
4093041.55        4.47803
         587247.41    4093041.55        2.78336                     587282.41
4093041.55        1.84803
         587317.41    4093041.55        1.29393                     587352.41
4093041.55        0.95098
         587387.41    4093041.55        0.72706                     587422.41
4093041.55        0.57351
         587457.41    4093041.55        0.46361                     586827.41
4093076.55        0.73723
         586862.41    4093076.55        0.91941                     586897.41
4093076.55        1.18173
         586932.41    4093076.55        1.57382                     586967.41
4093076.55        2.20093
         587002.41    4093076.55        3.33469                     587037.41
4093076.55        5.76161
         587072.41    4093076.55       12.56728                     587177.41
4093076.55        6.83765
         587212.41    4093076.55        4.16284                     587247.41
4093076.55        2.72261
         587282.41    4093076.55        1.87525                     587317.41
4093076.55        1.34589
         587352.41    4093076.55        1.00211                     587387.41
4093076.55        0.76907
         587422.41    4093076.55        0.60569                     587457.41
4093076.55        0.48853
         587492.41    4093076.55        0.40117                     586792.41
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4093111.55        0.65040
         586827.41    4093111.55        0.80116                    586862.41
4093111.55        1.01115
         586897.41    4093111.55        1.31403                    586932.41
4093111.55        1.77699
         586967.41    4093111.55        2.54202                    587002.41
4093111.55        3.98350
         587037.41    4093111.55        7.28934                    587107.41
4093111.55       21.91726
         587142.41    4093111.55       10.38292                    587177.41
4093111.55        5.99174
         587212.41    4093111.55        3.83451                    587282.41
4093111.55        1.85241
         587317.41    4093111.55        1.36148                    587352.41
4093111.55        1.03204
         587387.41    4093111.55        0.79896                    587422.41
4093111.55        0.63225
         587457.41    4093111.55        0.51044                    587492.41
4093111.55        0.41975
         586792.41    4093146.55        0.69693                    586827.41
4093146.55        0.86580
         586862.41    4093146.55        1.10534                    586897.41
4093146.55        1.45578
         586932.41    4093146.55        2.00374                    586967.41
4093146.55        2.93945
         587002.41    4093146.55        4.79436                    587037.41
4093146.55        9.42213
         587212.41    4093146.55        3.52049                    587247.41
4093146.55        2.47071
         587282.41    4093146.55        1.79941                    587352.41
4093146.55        1.04090
         587387.41    4093146.55        0.81289                    587422.41
4093146.55        0.64825
         587457.41    4093146.55        0.52735                    587492.41
4093146.55        0.43477
         586757.41    4093181.55        0.60414                    586792.41
4093181.55        0.74252
         586827.41    4093181.55        0.93113                    586862.41
4093181.55        1.20239
         586897.41    4093181.55        1.60962                    586932.41
4093181.55        2.25831
         586967.41    4093181.55        3.41413                    587002.41
4093181.55        5.84693
         587037.41    4093181.55       12.56681                    587212.41
4093181.55        3.22787
         587247.41    4093181.55        2.32352                    587282.41
4093181.55        1.72931
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc                ***         03/20/24
 *** AERMET - VERSION  21112 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: OFFSITEO ***

INCLUDING SOURCE(S): L0001099 , L0001100 , L0001101 , L0001102 , L0001103 , L0001104 , L0001105 , L0001106 , L0001107 , L0001108 , L0001109 , L0001110 , L0001111 , L0001112 , L0001113 , L0001114 , L0001115 , L0001116 , L0001117 , L0001118 , L0001119 , L0001120 , L0001121 , L0001122 , L0001123 , L0001124 , L0001125 , L0001126 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
587317.41	4093181.55	1.32490	587352.41	4093181.55	1.03395
587457.41	4093181.55	0.53920	587492.41	4093181.55	0.44666
586757.41	4093216.55	0.63542	586792.41	4093216.55	0.78668
586827.41	4093216.55	0.99814	586862.41	4093216.55	1.30685
586897.41	4093216.55	1.77666	586932.41	4093216.55	2.55193
586967.41	4093216.55	3.99507	587002.41	4093216.55	7.25962
587037.41	4093216.55	17.73569	587212.41	4093216.55	2.95763
587247.41	4093216.55	2.17489	587282.41	4093216.55	1.64892
587317.41	4093216.55	1.28201	587352.41	4093216.55	1.01656
587387.41	4093216.55	0.81380	587422.41	4093216.55	0.66176
587457.41	4093216.55	0.54616	586757.41	4093251.55	0.66374
586792.41	4093251.55	0.82890	586827.41	4093251.55	1.06435

586862.41 4093251.55 1.41458 586897.41
4093251.55 1.95995
586932.41 4093251.55 2.89484 586967.41
4093251.55 4.73212
587002.41 4093251.55 9.26652 587177.41
4093251.55 3.75203
587212.41 4093251.55 2.70905 587247.41
4093251.55 2.02959
587282.41 4093251.55 1.56335 587317.41
4093251.55 1.23023
587352.41 4093251.55 0.98990 587387.41
4093251.55 0.80441
587422.41 4093251.55 0.65842 587457.41
4093251.55 0.54825
587492.41 4093251.55 0.45970 586722.41
4093286.55 0.55879
586757.41 4093286.55 0.68818 586792.41
4093286.55 0.86784
586827.41 4093286.55 1.12862 586862.41
4093286.55 1.52428
586897.41 4093286.55 2.16138 586932.41
4093286.55 3.30254
586967.41 4093286.55 5.69502 587002.41
4093286.55 12.22914
587107.41 4093286.55 7.48883 587177.41
4093286.55 3.36839
587212.41 4093286.55 2.48021 587247.41
4093286.55 1.88947
587282.41 4093286.55 1.47606 587317.41
4093286.55 1.17626
587352.41 4093286.55 0.95730 587387.41
4093286.55 0.78734
587422.41 4093286.55 0.65040 587457.41
4093286.55 0.54591
587492.41 4093286.55 0.46090 586722.41
4093321.55 0.57063
586757.41 4093321.55 0.70724 586792.41
4093321.55 0.90071
586827.41 4093321.55 1.18722 586862.41
4093321.55 1.63401
586897.41 4093321.55 2.38040 586932.41
4093321.55 3.79375
586967.41 4093321.55 6.99695 587072.41
4093321.55 10.77072
587107.41 4093321.55 6.35853 587177.41
4093321.55 3.02780
587212.41 4093321.55 2.26962 587247.41
4093321.55 1.75519
587282.41 4093321.55 1.38941 587317.41
4093321.55 1.12461

                               *** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: OFFSITEO ***
                                   INCLUDING SOURCE(S):   L0001099   , L0001100
 , L0001101   , L0001102   , L0001103   ,
                 L0001104   , L0001105   , L0001106   , L0001107   , L0001108
 , L0001109   , L0001110   , L0001111   ,
                 L0001112   , L0001113   , L0001114   , L0001115   , L0001116
 , L0001117   , L0001118   , L0001119   ,
                 L0001120   , L0001121   , L0001122   , L0001123   , L0001124
 , L0001125   , L0001126   , . . .   ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         586757.41   4093356.55   0.71809   586792.41
4093356.55   0.92349
         586827.41   4093356.55   1.23523   586862.41
4093356.55   1.73586
         586897.41   4093356.55   2.61788   586932.41
4093356.55   4.38705
         586967.41   4093356.55   8.79440   587037.41
4093356.55   17.00857
         587072.41   4093356.55   8.80387   587107.41
4093356.55   5.43421
         587212.41   4093356.55   2.07707   587247.41
4093356.55   1.62985
         587282.41   4093356.55   1.30675   587317.41
4093356.55   1.07207
         587352.41   4093356.55   0.88669   587387.41

4093356.55 0.73881
587422.41 4093356.55 0.62154 587457.41
4093356.55 0.52057
587492.41 4093356.55 0.41566 586687.41
4093391.55 0.46698
586722.41 4093391.55 0.57126 586757.41
4093391.55 0.71680
586792.41 4093391.55 0.93016 586827.41
4093391.55 1.26122
586862.41 4093391.55 1.81354 586897.41
4093391.55 2.84466
586932.41 4093391.55 5.09058 586967.41
4093391.55 11.32621
587037.41 4093391.55 13.12197 587072.41
4093391.55 7.24977
587107.41 4093391.55 4.66015 587177.41
4093391.55 2.45096
587212.41 4093391.55 1.89918 587247.41
4093391.55 1.51017
587282.41 4093391.55 1.22506 587317.41
4093391.55 1.01585
587352.41 4093391.55 0.84704 587387.41
4093391.55 0.71022
587422.41 4093391.55 0.60008 586687.41
4093426.55 0.45362
586722.41 4093426.55 0.55543 586757.41
4093426.55 0.69907
586792.41 4093426.55 0.91144 586827.41
4093426.55 1.24710
586862.41 4093426.55 1.83345 586897.41
4093426.55 2.99955
586932.41 4093426.55 5.84325 586967.41
4093426.55 15.37856
587002.41 4093426.55 16.86956 587037.41
4093426.55 10.19780
587072.41 4093426.55 5.97633 587107.41
4093426.55 3.99684
587177.41 4093426.55 2.20331 587212.41
4093426.55 1.73410
587247.41 4093426.55 1.39660 587282.41
4093426.55 1.14460
587317.41 4093426.55 0.95648 587352.41
4093426.55 0.80794
587387.41 4093426.55 0.68639 587422.41
4093426.55 0.58619
587457.41 4093426.55 0.48731 587492.41
4093426.55 0.38944
586687.41 4093461.55 0.43220 586722.41
4093461.55 0.52713
586757.41 4093461.55 0.66046 586792.41

                             *** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: OFFSITEO ***
                                INCLUDING SOURCE(S):   L0001099   , L0001100
 , L0001101   , L0001102   , L0001103   ,
                 L0001104   , L0001105   , L0001106   , L0001107   , L0001108
 , L0001109   , L0001110   , L0001111   ,
                 L0001112   , L0001113   , L0001114   , L0001115   , L0001116
 , L0001117   , L0001118   , L0001119   ,
                 L0001120   , L0001121   , L0001122   , L0001123   , L0001124
 , L0001125   , L0001126   , . . .   ,

                                    *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         587387.41   4093461.55   0.65358   587422.41
4093461.55   0.56526
         587457.41   4093461.55   0.49083   586652.41
4093496.55   0.34164
         586687.41   4093496.55   0.40488   586722.41
4093496.55   0.48971

```
         586757.41    4093496.55        0.60659                      586792.41
4093496.55        0.77729
         586827.41    4093496.55        1.04345                      586897.41
4093496.55        2.38962
         586932.41    4093496.55        4.61732                      587002.41
4093496.55        9.43132
         587107.41    4093496.55        2.88182                      587142.41
4093496.55        2.21117
         587177.41    4093496.55        1.75484                      587212.41
4093496.55        1.42725
         587247.41    4093496.55        1.18108                      587282.41
4093496.55        0.98988
         587352.41    4093496.55        0.71872                      587387.41
4093496.55        0.62000
         587422.41    4093496.55        0.53750                      587457.41
4093496.55        0.46964
         587492.41    4093496.55        0.41334                      586652.41
4093531.55        0.31954
         586687.41    4093531.55        0.37551                      586722.41
4093531.55        0.44900
         586757.41    4093531.55        0.54794                      586792.41
4093531.55        0.68920
         586827.41    4093531.55        0.89882                      586862.41
4093531.55        1.23025
         586897.41    4093531.55        1.80045                      586932.41
4093531.55        2.84903
         586967.41    4093531.55        4.43519                      587002.41
4093531.55        4.90376
         587037.41    4093531.55        3.97907                      587072.41
4093531.55        3.05103
         587107.41    4093531.55        2.37456                      587142.41
4093531.55        1.89543
         587177.41    4093531.55        1.54479                      587212.41
4093531.55        1.28155
         587247.41    4093531.55        1.07690                      587282.41
4093531.55        0.91462
         587317.41    4093531.55        0.78438                      587352.41
4093531.55        0.67650
         587387.41    4093531.55        0.58843                      587422.41
4093531.55        0.51479
         587457.41    4093531.55        0.45191                      587492.41
4093531.55        0.39860
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:20:07

                                  PAGE 161
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: OFFSITEW ***
INCLUDING SOURCE(S): L0001140 , L0001141 , L0001142 , L0001143 , L0001144 , L0001145 , L0001146 , L0001147 , L0001148 , L0001149 , L0001150 , L0001151 , L0001152 , L0001153 , L0001154 , L0001155 , L0001156 , L0001157 , L0001158 , L0001159 , L0001160 , L0001161 , L0001162 , L0001163 , L0001164 , L0001165 , L0001166 , L0001167 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
586932.41	4092866.55	1.49680	586967.41	4092866.55	1.50200
587002.41	4092866.55	1.41628	587037.41	4092866.55	1.36919
587072.41	4092866.55	1.29287	587107.41	4092866.55	1.20516
587142.41	4092866.55	1.11897	587177.41	4092866.55	1.03492
587212.41	4092866.55	0.95677	587247.41	4092866.55	0.88242
587282.41	4092866.55	0.81218	587317.41	4092866.55	0.74824
587352.41	4092866.55	0.68700	587387.41	4092866.55	0.62871
587457.41	4092866.55	0.52106	586897.41	4092901.55	2.44715
586932.41	4092901.55	2.50066	586967.41	4092901.55	2.31142
587002.41	4092901.55	2.12010	587037.41	4092901.55	1.94632
587072.41	4092901.55	1.76389	587107.41	4092901.55	1.60069
587142.41	4092901.55	1.45270	587177.41	4092901.55	1.31743
587247.41	4092901.55	1.08663	587317.41	4092901.55	0.89793
587352.41	4092901.55	0.81493	587387.41	4092901.55	0.73775
587457.41	4092901.55	0.57837	587492.41		

4092901.55 0.49007
586897.41 4092936.55 6.03914 586932.41
4092936.55 4.78478
586967.41 4092936.55 3.95024 587002.41
4092936.55 3.46518
587037.41 4092936.55 2.97019 587072.41
4092936.55 2.57191
587107.41 4092936.55 2.24728 587177.41
4092936.55 1.74644
587212.41 4092936.55 1.55126 587247.41
4092936.55 1.38064
587282.41 4092936.55 1.23426 587317.41
4092936.55 1.10454
587352.41 4092936.55 0.98785 587387.41
4092936.55 0.88187
587422.41 4092936.55 0.78248 587457.41
4092936.55 0.69420
587492.41 4092936.55 0.57658 586862.41
4092971.55 10.30085
586967.41 4092971.55 8.91150 587002.41
4092971.55 6.73265
587037.41 4092971.55 5.22254 587072.41
4092971.55 4.19695
587107.41 4092971.55 3.44790 587177.41
4092971.55 2.45452
587212.41 4092971.55 2.10928 587247.41
4092971.55 1.82852
587282.41 4092971.55 1.59929 587317.41
4092971.55 1.40351
587352.41 4092971.55 1.23231 587387.41
4092971.55 1.08066
587422.41 4092971.55 0.94370 587492.41
4092971.55 0.68251
586827.41 4093006.55 2.81338 586862.41
4093006.55 5.90924
586897.41 4093006.55 12.78933 586932.41
4093006.55 22.11319
587037.41 4093006.55 12.20941 587072.41
4093006.55 8.47736
587142.41 4093006.55 4.74961 587177.41
4093006.55 3.78701
587212.41 4093006.55 3.09041 587247.41
4093006.55 2.57429
587282.41 4093006.55 2.17945 587317.41
4093006.55 1.86231
587352.41 4093006.55 1.59600 587387.41
4093006.55 1.36842
587422.41 4093006.55 1.17079 587492.41
4093006.55 0.80117
586827.41 4093041.55 2.20579 586862.41

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                             *** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: OFFSITEW ***
                                INCLUDING SOURCE(S):   L0001140   , L0001141
 , L0001142   , L0001143   , L0001144   ,
                  L0001145   , L0001146   , L0001147   , L0001148   , L0001149
 , L0001150   , L0001151   , L0001152   ,
                  L0001153   , L0001154   , L0001155   , L0001156   , L0001157
 , L0001158   , L0001159   , L0001160   ,
                  L0001161   , L0001162   , L0001163   , L0001164   , L0001165
 , L0001166   , L0001167   , . . .   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)   Y-COORD (M)   CONC
 - - -

```
         587002.41    4093076.55        9.49334                    587037.41
4093076.55       12.32327
         587072.41    4093076.55       16.28260                    587177.41
4093076.55       14.33742
         587212.41    4093076.55       10.85186                    587247.41
4093076.55        7.41122
         587282.41    4093076.55        5.41606                    587317.41
4093076.55        4.13825
         587352.41    4093076.55        3.24659                    587387.41
4093076.55        2.57748
         587422.41    4093076.55        2.04778                    587457.41
4093076.55        1.62013
         587492.41    4093076.55        1.27011                    586792.41
4093111.55        1.01117
         586827.41    4093111.55        1.37250                    586862.41
4093111.55        1.89443
         586897.41    4093111.55        2.60507                    586932.41
4093111.55        3.47705
         586967.41    4093111.55        4.47040                    587002.41
4093111.55        5.61473
         587037.41    4093111.55        6.98963                    587107.41
4093111.55       11.32312
         587142.41    4093111.55       15.20525                    587177.41
4093111.55       21.29227
         587212.41    4093111.55       15.17355                    587282.41
4093111.55       11.85893
         587317.41    4093111.55        7.85154                    587352.41
4093111.55        5.44982
         587387.41    4093111.55        4.07405                    587422.41
4093111.55        3.11750
         587457.41    4093111.55        2.32545                    587492.41
4093111.55        1.64909
         586792.41    4093146.55        0.86302                    586827.41
4093146.55        1.11888
         586862.41    4093146.55        1.46300                    586897.41
4093146.55        1.90707
         586932.41    4093146.55        2.43939                    586967.41
4093146.55        3.04048
         587002.41    4093146.55        3.72007                    587037.41
4093146.55        4.50133
         587212.41    4093146.55       14.31285                    587247.41
4093146.55       19.79393
         587282.41    4093146.55       20.45116                    587352.41
4093146.55       12.62237
         587387.41    4093146.55        8.27988                    587422.41
4093146.55        5.80143
         587457.41    4093146.55        3.82036                    587492.41
4093146.55        2.26402
         586757.41    4093181.55        0.59894                    586792.41
4093181.55        0.74257
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         586827.41    4093181.55        0.92978                       586862.41
4093181.55        1.17018
         586897.41    4093181.55        1.46664                       586932.41
4093181.55        1.81787
         586967.41    4093181.55        2.21248                       587002.41
4093181.55        2.65336
         587037.41    4093181.55        3.14244                       587212.41
4093181.55        7.97707
         587247.41    4093181.55       10.14992                       587282.41
4093181.55       13.33143
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc                ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                        ***        17:20:07

                                   PAGE 163
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: OFFSITEW ***
                                   INCLUDING SOURCE(S):     L0001140    , L0001141
 , L0001142    , L0001143    , L0001144    ,
                 L0001145    , L0001146    , L0001147    , L0001148    , L0001149
 , L0001150    , L0001151    , L0001152    ,
                 L0001153    , L0001154    , L0001155    , L0001156    , L0001157
 , L0001158    , L0001159    , L0001160    ,
                 L0001161    , L0001162    , L0001163    , L0001164    , L0001165
 , L0001166    , L0001167    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         587317.41    4093181.55       17.94985                       587352.41
4093181.55       14.86764
         587457.41    4093181.55        8.58672                       587492.41
4093181.55        3.23227
         586757.41    4093216.55        0.53147                       586792.41
4093216.55        0.64403
         586827.41    4093216.55        0.78501                       586862.41
4093216.55        0.95905
         586897.41    4093216.55        1.16886                       586932.41
4093216.55        1.41458
         586967.41    4093216.55        1.68958                       587002.41
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4093216.55 1.99147
587037.41 4093216.55 2.31941 587212.41
4093216.55 5.07292
587247.41 4093216.55 6.07521 587282.41
4093216.55 7.41972
587317.41 4093216.55 9.28798 587352.41
4093216.55 11.18266
587387.41 4093216.55 14.74541 587422.41
4093216.55 16.77038
587457.41 4093216.55 13.86541 586757.41
4093251.55 0.47393
586792.41 4093251.55 0.56305 586827.41
4093251.55 0.67162
586862.41 4093251.55 0.80136 586897.41
4093251.55 0.95486
586932.41 4093251.55 1.13301 586967.41
4093251.55 1.33176
587002.41 4093251.55 1.54681 587177.41
4093251.55 3.05701
587212.41 4093251.55 3.50962 587247.41
4093251.55 4.03990
587282.41 4093251.55 4.69240 587317.41
4093251.55 5.49108
587352.41 4093251.55 6.43791 587387.41
4093251.55 7.27787
587422.41 4093251.55 7.77042 587457.41
4093251.55 6.72270
587492.41 4093251.55 4.17146 586722.41
4093286.55 0.36516
586757.41 4093286.55 0.42453 586792.41
4093286.55 0.49603
586827.41 4093286.55 0.58123 586862.41
4093286.55 0.68062
586897.41 4093286.55 0.79286 586932.41
4093286.55 0.92710
586967.41 4093286.55 1.07566 587002.41
4093286.55 1.23486
587107.41 4093286.55 1.80321 587177.41
4093286.55 2.28575
587212.41 4093286.55 2.56638 587247.41
4093286.55 2.87739
587282.41 4093286.55 3.22934 587317.41
4093286.55 3.61959
587352.41 4093286.55 4.04675 587387.41
4093286.55 4.34653
587422.41 4093286.55 4.41054 587457.41
4093286.55 3.97267
587492.41 4093286.55 3.03259 586722.41
4093321.55 0.33265
586757.41 4093321.55 0.38204 586792.41

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4093321.55        0.44015
         586827.41    4093321.55        0.50816                       586862.41
4093321.55        0.58481
         586897.41    4093321.55        0.67106                       586932.41
4093321.55        0.77453
         586967.41    4093321.55        0.88693                       587072.41
4093321.55        1.27984
         587107.41    4093321.55        1.43082                       587177.41
4093321.55        1.76770
         587212.41    4093321.55        1.95052                       587247.41
4093321.55        2.14484
         587282.41    4093321.55        2.35143                       587317.41
4093321.55        2.57831
         587352.41    4093321.55        2.77881                       587387.41
4093321.55        2.90293
         587422.41    4093321.55        2.87768                       587457.41
4093321.55        2.65218
         587492.41    4093321.55        2.16677                       586722.41
4093356.55        0.30417
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc                ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                        ***       17:20:07

                                  PAGE 164
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: OFFSITEW ***
                                   INCLUDING SOURCE(S):     L0001140    , L0001141
 , L0001142    , L0001143    , L0001144    ,
                 L0001145    , L0001146    , L0001147    , L0001148    , L0001149
 , L0001150    , L0001151    , L0001152    ,
                 L0001153    , L0001154    , L0001155    , L0001156    , L0001157
 , L0001158    , L0001159    , L0001160    ,
                 L0001161    , L0001162    , L0001163    , L0001164    , L0001165
 , L0001166    , L0001167    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
         586757.41    4093356.55        0.34545                       586792.41
4093356.55        0.39322
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         586827.41    4093356.55        0.44808                    586862.41
4093356.55        0.50869
         586897.41    4093356.55        0.57947                    586932.41
4093356.55        0.66006
         586967.41    4093356.55        0.74603                    587037.41
4093356.55        0.93782
         587072.41    4093356.55        1.04634                    587107.41
4093356.55        1.16007
         587212.41    4093356.55        1.52922                    587247.41
4093356.55        1.65756
         587282.41    4093356.55        1.78712                    587317.41
4093356.55        1.92689
         587352.41    4093356.55        2.02841                    587387.41
4093356.55        2.07428
         587422.41    4093356.55        2.03956                    587457.41
4093356.55        1.86422
         587492.41    4093356.55        1.49004                    586687.41
4093391.55        0.24892
         586722.41    4093391.55        0.27910                    586757.41
4093391.55        0.31381
         586792.41    4093391.55        0.35346                    586827.41
4093391.55        0.39799
         586862.41    4093391.55        0.44691                    586897.41
4093391.55        0.50477
         586932.41    4093391.55        0.56870                    586967.41
4093391.55        0.63714
         587037.41    4093391.55        0.78661                    587072.41
4093391.55        0.86982
         587107.41    4093391.55        0.95599                    587177.41
4093391.55        1.13678
         587212.41    4093391.55        1.22575                    587247.41
4093391.55        1.31348
         587282.41    4093391.55        1.39896                    587317.41
4093391.55        1.48951
         587352.41    4093391.55        1.54577                    587387.41
4093391.55        1.55822
         587422.41    4093391.55        1.52151                    586687.41
4093426.55        0.23096
         586722.41    4093426.55        0.25684                    586757.41
4093426.55        0.28614
         586792.41    4093426.55        0.31882                    586827.41
4093426.55        0.35413
         586862.41    4093426.55        0.39646                    586897.41
4093426.55        0.44346
         586932.41    4093426.55        0.49448                    586967.41
4093426.55        0.54814
         587002.41    4093426.55        0.60542                    587037.41
4093426.55        0.66871
         587072.41    4093426.55        0.73414                    587107.41
4093426.55        0.80127
```

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         587177.41    4093426.55        0.93711                      587212.41
4093426.55        1.00262
         587247.41    4093426.55        1.06459                      587282.41
4093426.55        1.12135
         587317.41    4093426.55        1.18058                      587352.41
4093426.55        1.22030
         587387.41    4093426.55        1.23227                      587422.41
4093426.55        1.21196
         587457.41    4093426.55        1.10343                      587492.41
4093426.55        0.92645
         586687.41    4093461.55        0.21492                      586722.41
4093461.55        0.23716
         586757.41    4093461.55        0.26191                      586792.41
4093461.55        0.28787
         586827.41    4093461.55        0.31892                      586862.41
4093461.55        0.35378
         586897.41    4093461.55        0.39216                      586932.41
4093461.55        0.43339
         587002.41    4093461.55        0.52365                      587037.41
4093461.55        0.57382
         587072.41    4093461.55        0.62616                      587107.41
4093461.55        0.67893
         587142.41    4093461.55        0.73192                      587177.41
4093461.55        0.78323
         587212.41    4093461.55        0.83322                      587247.41
4093461.55        0.87968
         587282.41    4093461.55        0.91949                      587352.41
4093461.55        0.97824
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc                ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                        ***       17:20:07

                                  PAGE 165
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: OFFSITEW ***
                                    INCLUDING SOURCE(S):     L0001140    , L0001141
 , L0001142    , L0001143    , L0001144    ,
                 L0001145    , L0001146    , L0001147    , L0001148    , L0001149
 , L0001150    , L0001151    , L0001152    ,
                 L0001153    , L0001154    , L0001155    , L0001156    , L0001157
 , L0001158    , L0001159    , L0001160    ,
                 L0001161    , L0001162    , L0001163    , L0001164    , L0001165
 , L0001166    , L0001167    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
587387.41	4093461.55	0.98765	587422.41	4093461.55	0.97907
587457.41	4093461.55	0.94463	586652.41	4093496.55	0.18314
586687.41	4093496.55	0.20040	586722.41	4093496.55	0.21961
586757.41	4093496.55	0.24004	586792.41	4093496.55	0.26299
586827.41	4093496.55	0.28918	586897.41	4093496.55	0.34957
586932.41	4093496.55	0.38301	587002.41	4093496.55	0.45747
587107.41	4093496.55	0.58156	587142.41	4093496.55	0.62331
587177.41	4093496.55	0.66330	587212.41	4093496.55	0.70213
587247.41	4093496.55	0.73689	587282.41	4093496.55	0.76566
587352.41	4093496.55	0.80388	587387.41	4093496.55	0.80779
587422.41	4093496.55	0.79652	587457.41	4093496.55	0.77282
587492.41	4093496.55	0.73669	586652.41	4093531.55	0.17209
586687.41	4093531.55	0.18723	586722.41	4093531.55	0.20388
586757.41	4093531.55	0.22086	586792.41	4093531.55	0.24090
586827.41	4093531.55	0.26300	586862.41	4093531.55	0.28716
586897.41	4093531.55	0.31345	586932.41	4093531.55	0.34155
586967.41	4093531.55	0.37072	587002.41	4093531.55	0.40225
587037.41	4093531.55	0.43558	587072.41	4093531.55	0.46929
587107.41	4093531.55	0.50246	587142.41	4093531.55	0.53637
587177.41	4093531.55	0.56832	587212.41	4093531.55	0.59925
587247.41	4093531.55	0.62608	587282.41	4093531.55	0.64846
587317.41	4093531.55	0.66632	587352.41		

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   L0001049   , L0001050
 , L0001051   , L0001052   , L0001053   ,
                 L0001054   , L0001055   , L0001056   , L0001057   , L0001058
 , L0001059   , L0001060   , L0001061   ,
                 L0001062   , L0001063   , L0001064   , L0001065   , L0001066
 , L0001067   , L0001068   , L0001069   ,
                 L0001070   , L0001071   , L0001072   , L0001073   , L0001074
 , L0001075   , L0001076   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         586932.41   4092866.55   2.47496   586967.41
4092866.55   2.63657
         587002.41   4092866.55   2.73709   587037.41
4092866.55   2.99773
         587072.41   4092866.55   3.37656   587107.41
4092866.55   3.94100
         587142.41   4092866.55   4.67897   587177.41
4092866.55   4.52907
         587212.41   4092866.55   3.48063   587247.41
4092866.55   2.78030
         587282.41   4092866.55   2.33041   587317.41
4092866.55   2.00938
         587352.41   4092866.55   1.75488   587387.41
4092866.55   1.54583
         587457.41   4092866.55   1.22440   586897.41
4092901.55   3.43858

586932.41 4092901.55 3.66409 586967.41
4092901.55 3.70001
587002.41 4092901.55 3.82825 587037.41
4092901.55 4.16361
587072.41 4092901.55 4.87571 587107.41
4092901.55 6.62367
587142.41 4092901.55 8.20287 587177.41
4092901.55 8.60527
587247.41 4092901.55 3.43001 587317.41
4092901.55 2.33225
587352.41 4092901.55 2.00460 587387.41
4092901.55 1.74398
587457.41 4092901.55 1.30486 587492.41
4092901.55 1.11260
586897.41 4092936.55 7.19391 586932.41
4092936.55 6.16087
586967.41 4092936.55 5.62865 587002.41
4092936.55 5.63013
587037.41 4092936.55 5.91947 587072.41
4092936.55 7.05586
587107.41 4092936.55 10.72600 587177.41
4092936.55 13.15790
587212.41 4092936.55 6.41086 587247.41
4092936.55 4.31546
587282.41 4092936.55 3.34652 587317.41
4092936.55 2.74750
587352.41 4092936.55 2.31865 587387.41
4092936.55 1.98657
587422.41 4092936.55 1.71265 587457.41
4092936.55 1.48812
587492.41 4092936.55 1.24079 586862.41
4092971.55 11.41530
586967.41 4092971.55 10.96198 587002.41
4092971.55 9.43215
587037.41 4092971.55 9.02871 587072.41
4092971.55 10.33067
587107.41 4092971.55 16.23604 587177.41
4092971.55 13.86117
587212.41 4092971.55 7.89598 587247.41
4092971.55 5.38061
587282.41 4092971.55 4.08839 587317.41
4092971.55 3.28573
587352.41 4092971.55 2.72010 587387.41
4092971.55 2.28995
587422.41 4092971.55 1.94429 587492.41
4092971.55 1.38041
586827.41 4093006.55 3.87056 586862.41
4093006.55 7.17723
586897.41 4093006.55 14.33796 586932.41
4093006.55 24.04401

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         587037.41    4093006.55       17.06040                       587072.41
4093006.55       16.69814
         587142.41    4093006.55       26.79887                       587177.41
4093006.55       14.42033
         587212.41    4093006.55        9.28346                       587247.41
4093006.55        6.61793
         587282.41    4093006.55        5.03465                       587317.41
4093006.55        3.98920
         587352.41    4093006.55        3.24379                       587387.41
4093006.55        2.68139
         587422.41    4093006.55        2.23873                       587492.41
4093006.55        1.51485
         586827.41    4093041.55        3.39441                       586862.41
4093041.55        5.11712
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc                ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                        ***       17:20:07

                                  PAGE 167
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     L0001049    , L0001050
 , L0001051    , L0001052    , L0001053    ,
                   L0001054    , L0001055    , L0001056    , L0001057    , L0001058
 , L0001059    , L0001060    , L0001061    ,
                   L0001062    , L0001063    , L0001064    , L0001065    , L0001066
 , L0001067    , L0001068    , L0001069    ,
                   L0001070    , L0001071    , L0001072    , L0001073    , L0001074
 , L0001075    , L0001076    ,  . . .      ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                         ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         586897.41    4093041.55        8.14588                       586932.41
4093041.55       12.16082
         586967.41    4093041.55       16.83275                       587002.41
4093041.55       23.05319
         587037.41    4093041.55       25.68443                       587142.41
4093041.55       27.97433
         587177.41    4093041.55       17.05169                       587212.41
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4093041.55 11.62215
587247.41 4093041.55 8.43943 587282.41
4093041.55 6.38803
587317.41 4093041.55 4.98573 587352.41
4093041.55 3.97871
587387.41 4093041.55 3.22513 587422.41
4093041.55 2.64089
587457.41 4093041.55 2.15221 586827.41
4093076.55 3.05584
586862.41 4093076.55 4.20534 586897.41
4093076.55 5.91289
586932.41 4093076.55 8.12827 586967.41
4093076.55 10.90726
587002.41 4093076.55 14.64930 587037.41
4093076.55 20.43995
587072.41 4093076.55 31.85507 587177.41
4093076.55 24.71873
587212.41 4093076.55 17.81532 587247.41
4093076.55 12.23304
587282.41 4093076.55 8.85999 587317.41
4093076.55 6.67401
587352.41 4093076.55 5.16876 587387.41
4093076.55 4.07210
587422.41 4093076.55 3.23678 587457.41
4093076.55 2.58725
587492.41 4093076.55 2.07211 586792.41
4093111.55 2.23326
586827.41 4093111.55 2.86805 586862.41
4093111.55 3.76575
586897.41 4093111.55 5.00800 586932.41
4093111.55 6.66756
586967.41 4093111.55 8.89981 587002.41
4093111.55 12.20035
587037.41 4093111.55 17.99831 587107.41
4093111.55 40.88783
587142.41 4093111.55 33.51757 587177.41
4093111.55 33.28602
587212.41 4093111.55 22.95038 587282.41
4093111.55 15.53961
587317.41 4093111.55 10.54096 587352.41
4093111.55 7.47863
587387.41 4093111.55 5.64703 587422.41
4093111.55 4.36741
587457.41 4093111.55 3.33957 587492.41
4093111.55 2.48752
586792.41 4093146.55 2.20224 586827.41
4093146.55 2.77885
586862.41 4093146.55 3.57489 586897.41
4093146.55 4.67466
586932.41 4093146.55 6.21406 586967.41

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4093146.55        8.47843
         587002.41    4093146.55       12.25583                       587037.41
4093146.55       20.05497
         587212.41    4093146.55       23.37801                       587247.41
4093146.55       25.52887
         587282.41    4093146.55       24.38112                       587352.41
4093146.55       14.75801
         587387.41    4093146.55        9.93004                       587422.41
4093146.55        7.10997
         587457.41    4093146.55        4.88206                       587492.41
4093146.55        3.14036
         586757.41    4093181.55        1.77478                       586792.41
4093181.55        2.18742
         586827.41    4093181.55        2.74279                       586862.41
4093181.55        3.51224
         586897.41    4093181.55        4.59988                       586932.41
4093181.55        6.20290
         586967.41    4093181.55        8.77559                       587002.41
4093181.55       13.56461
         587037.41    4093181.55       24.99929                       587212.41
4093181.55       19.08223
         587247.41    4093181.55       16.58486                       587282.41
4093181.55       17.57638
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc                ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                        ***       17:20:07

                                  PAGE 168
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     L0001049    , L0001050
 , L0001051    , L0001052    , L0001053    ,
                 L0001054    , L0001055    , L0001056    , L0001057    , L0001058
 , L0001059    , L0001060    , L0001061    ,
                 L0001062    , L0001063    , L0001064    , L0001065    , L0001066
 , L0001067    , L0001068    , L0001069    ,
                 L0001070    , L0001071    , L0001072    , L0001073    , L0001074
 , L0001075    , L0001076    ,  . . .      ,

                                           *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
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         587107.41    4093286.55       52.53808                      587177.41
4093286.55       27.01392
         587212.41    4093286.55       15.64095                      587247.41
4093286.55       10.74282
         587282.41    4093286.55        8.37400                      587317.41
4093286.55        7.20243
         587352.41    4093286.55        6.68325                      587387.41
4093286.55        6.35519
         587422.41    4093286.55        5.97945                      587457.41
4093286.55        5.23523
         587492.41    4093286.55        4.06506                      586722.41
4093321.55        1.36646
         586757.41    4093321.55        1.64941                      586792.41
4093321.55        2.03243
         586827.41    4093321.55        2.57079                      586862.41
4093321.55        3.35924
         586897.41    4093321.55        4.58901                      586932.41
4093321.55        6.77112
         586967.41    4093321.55       11.26932                      587072.41
4093321.55       39.12991
         587107.41    4093321.55       37.09543                      587177.41
4093321.55       21.78095
         587212.41    4093321.55       13.61689                      587247.41
4093321.55        9.61601
         587282.41    4093321.55        7.43720                      587317.41
4093321.55        6.22492
         587352.41    4093321.55        5.48846                      587387.41
4093321.55        4.97433
         587422.41    4093321.55        4.49925                      587457.41
4093321.55        3.95418
         587492.41    4093321.55        3.21329                      586722.41
4093356.55        1.31655
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc                ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                        ***        17:20:07

                                   PAGE 169
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                             *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     L0001049    , L0001050
 , L0001051    , L0001052    , L0001053    ,
                   L0001054    , L0001055    , L0001056    , L0001057    , L0001058
 , L0001059    , L0001060    , L0001061    ,
                   L0001062    , L0001063    , L0001064    , L0001065    , L0001066
 , L0001067    , L0001068    , L0001069    ,
                   L0001070    , L0001071    , L0001072    , L0001073    , L0001074
 , L0001075    , L0001076    ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
586757.41	4093356.55	1.58833	586792.41	4093356.55	1.95917
586827.41	4093356.55	2.48697	586862.41	4093356.55	3.27507
586897.41	4093356.55	4.56273	586932.41	4093356.55	6.93516
586967.41	4093356.55	12.28431	587037.41	4093356.55	25.06941
587072.41	4093356.55	21.32976	587107.41	4093356.55	21.42652
587212.41	4093356.55	11.25469	587247.41	4093356.55	8.38064
587282.41	4093356.55	6.59851	587317.41	4093356.55	5.49781
587352.41	4093356.55	4.73334	587387.41	4093356.55	4.16556
587422.41	4093356.55	3.68719	587457.41	4093356.55	3.16933
587492.41	4093356.55	2.47667	586687.41	4093391.55	1.06487
586722.41	4093391.55	1.26035	586757.41	4093391.55	1.51948
586792.41	4093391.55	1.87624	586827.41	4093391.55	2.38998
586862.41	4093391.55	3.18046	586897.41	4093391.55	4.54116
586932.41	4093391.55	7.24971	586967.41	4093391.55	14.15968
587037.41	4093391.55	18.44874	587072.41	4093391.55	14.48419
587107.41	4093391.55	13.54756	587177.41	4093391.55	11.09684
587212.41	4093391.55	8.87451	587247.41	4093391.55	7.06846
587282.41	4093391.55	5.75781	587317.41	4093391.55	4.85732
587352.41	4093391.55	4.16711	587387.41	4093391.55	3.61844
587422.41	4093391.55	3.16163	586687.41		

```
4093426.55        1.01374
         586722.41    4093426.55        1.19654                      586757.41
4093426.55        1.43937
         586792.41    4093426.55        1.77395                      586827.41
4093426.55        2.26010
         586862.41    4093426.55        3.04650                      586897.41
4093426.55        4.47466
         586932.41    4093426.55        7.66915                      586967.41
4093426.55       17.67768
         587002.41    4093426.55       19.81091                      587037.41
4093426.55       13.98990
         587072.41    4093426.55       10.75050                      587107.41
4093426.55        9.62852
         587177.41    4093426.55        8.05609                      587212.41
4093426.55        6.92578
         587247.41    4093426.55        5.84417                      587282.41
4093426.55        4.93927
         587317.41    4093426.55        4.25154                      587352.41
4093426.55        3.69640
         587387.41    4093426.55        3.23603                      587422.41
4093426.55        2.84410
         587457.41    4093426.55        2.40008                      587492.41
4093426.55        1.91194
         586687.41    4093461.55        0.95776                      586722.41
4093461.55        1.12402
         586757.41    4093461.55        1.34289                      586792.41
4093461.55        1.64028
         586827.41    4093461.55        2.08505                      586862.41
4093461.55        2.80795
         586897.41    4093461.55        4.18976                      586932.41
4093461.55        7.72338
         587002.41    4093461.55       17.50548                      587037.41
4093461.55       10.69693
         587072.41    4093461.55        8.31082                      587107.41
4093461.55        7.32121
         587142.41    4093461.55        6.74034                      587177.41
4093461.55        6.15726
         587212.41    4093461.55        5.49115                      587247.41
4093461.55        4.82018
         587282.41    4093461.55        4.20535                      587352.41
4093461.55        3.24557
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc                ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                        ***       17:20:07

                                  PAGE 170
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43824 HRS) AVERAGE CONCENTRATION
```

VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0001049 , L0001050
, L0001051 , L0001052 , L0001053 ,
L0001054 , L0001055 , L0001056 , L0001057 , L0001058
, L0001059 , L0001060 , L0001061 ,
L0001062 , L0001063 , L0001064 , L0001065 , L0001066
, L0001067 , L0001068 , L0001069 ,
L0001070 , L0001071 , L0001072 , L0001073 , L0001074
, L0001075 , L0001076 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
587387.41	4093461.55	2.87342	587422.41	4093461.55	2.55335
587457.41	4093461.55	2.26307	586652.41	4093496.55	0.78181
586687.41	4093496.55	0.89796	586722.41	4093496.55	1.04513
586757.41	4093496.55	1.23459	586792.41	4093496.55	1.49176
586827.41	4093496.55	1.86519	586897.41	4093496.55	3.50829
586932.41	4093496.55	5.93891	587002.41	4093496.55	11.29853
587107.41	4093496.55	5.76001	587142.41	4093496.55	5.29887
587177.41	4093496.55	4.88368	587212.41	4093496.55	4.44752
587247.41	4093496.55	3.99972	587282.41	4093496.55	3.57161
587352.41	4093496.55	2.84913	587387.41	4093496.55	2.54707
587422.41	4093496.55	2.27278	587457.41	4093496.55	2.03044
587492.41	4093496.55	1.81344	586652.41	4093531.55	0.73496
586687.41	4093531.55	0.83759	586722.41	4093531.55	0.96507
586757.41	4093531.55	1.12444	586792.41	4093531.55	1.34004
586827.41	4093531.55	1.63909	586862.41	4093531.55	2.07906

```
         586897.41    4093531.55        2.78178                      586932.41
4093531.55        3.98908
         586967.41    4093531.55        5.75704                      587002.41
4093531.55        6.43464
         587037.41    4093531.55        5.74123                      587072.41
4093531.55        5.05039
         587107.41    4093531.55        4.58609                      587142.41
4093531.55        4.26390
         587177.41    4093531.55        3.96946                      587212.41
4093531.55        3.67044
         587247.41    4093531.55        3.35833                      587282.41
4093531.55        3.05404
         587317.41    4093531.55        2.77304                      587352.41
4093531.55        2.50648
         587387.41    4093531.55        2.26959                      587422.41
4093531.55        2.05180
         587457.41    4093531.55        1.84668                      587492.41
4093531.55        1.65753
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc                ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                        ***        17:20:07

                                   PAGE 171
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ONSITE   ***
                                   INCLUDING SOURCE(S):     L0001049    , L0001050
 , L0001051    , L0001052    , L0001053    ,
                 L0001054    , L0001055    , L0001056    , L0001057    , L0001058
 , L0001059    , L0001060    , L0001061    ,
                 L0001062    , L0001063    , L0001064    , L0001065    , L0001066
 , L0001067    , L0001068    , L0001069    ,
                 L0001070    , L0001071    , L0001072    , L0001073    , L0001074
 , L0001075    , L0001076    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                               ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        586932.41   4092866.55      124.78806  (15013008)               586967.41
 4092866.55      133.07857  (19020708)
        587002.41   4092866.55      139.32598  (19021208)               587037.41
```

4092866.55 147.89338 (15021208)
587072.41 4092866.55 151.08110 (19120508) 587107.41
4092866.55 147.62878 (19120508)
587142.41 4092866.55 144.10548 (18021308) 587177.41
4092866.55 138.92516 (19121908)
587212.41 4092866.55 144.96775 (19121908) 587247.41
4092866.55 138.14661 (17012408)
587282.41 4092866.55 130.45725 (18010308) 587317.41
4092866.55 128.21875 (18020608)
587352.41 4092866.55 123.48167 (18010508) 587387.41
4092866.55 115.75445 (15021708)
587457.41 4092866.55 132.90824 (17011608) 586897.41
4092901.55 127.50637 (15012608)
586932.41 4092901.55 136.06852 (18012908) 586967.41
4092901.55 146.95454 (16020208)
587002.41 4092901.55 153.99242 (19021208) 587037.41
4092901.55 167.64079 (15021208)
587072.41 4092901.55 168.48827 (19120508) 587107.41
4092901.55 169.58673 (19120508)
587142.41 4092901.55 163.64801 (18021308) 587177.41
4092901.55 163.74533 (19121908)
587247.41 4092901.55 154.86693 (19122308) 587317.41
4092901.55 143.65335 (18010508)
587352.41 4092901.55 135.48762 (15021708) 587387.41
4092901.55 124.89293 (16120608)
587457.41 4092901.55 106.95531 (15021608) 587492.41
4092901.55 140.93295 (15022008)
586897.41 4092936.55 138.48657 (19120208) 586932.41
4092936.55 151.80833 (15012608)
586967.41 4092936.55 162.17830 (15013008) 587002.41
4092936.55 173.99557 (19020708)
587037.41 4092936.55 187.85561 (15021208) 587072.41
4092936.55 191.80659 (17021508)
587107.41 4092936.55 197.47520 (19120508) 587177.41
4092936.55 193.99608 (19121908)
587212.41 4092936.55 185.81643 (18010408) 587247.41
4092936.55 173.70922 (15020408)
587282.41 4092936.55 168.70646 (19011108) 587317.41
4092936.55 159.74008 (15021708)
587352.41 4092936.55 146.00899 (16120608) 587387.41
4092936.55 133.13384 (16011808)
587422.41 4092936.55 122.62225 (19121008) 587457.41
4092936.55 112.19222 (17010208)
587492.41 4092936.55 140.74182 (15011408) 586862.41
4092971.55 122.92701 (19120208)
586967.41 4092971.55 179.25634 (18012908) 587002.41
4092971.55 195.63888 (16020208)
587037.41 4092971.55 210.97707 (19021208) 587072.41
4092971.55 221.60852 (17021508)
587107.41 4092971.55 233.69350 (19120508) 587177.41

```
 4092971.55      229.96462  (19121908)
       587212.41   4092971.55      214.70991  (15020208)                587247.41
 4092971.55      198.56945  (17012308)
       587282.41   4092971.55      190.73569  (18010508)                587317.41
 4092971.55      173.91676  (16120608)
       587352.41   4092971.55      157.56969  (16011808)                587387.41
 4092971.55      143.56679  (19121008)
       587422.41   4092971.55      128.92481  (17010208)                587492.41
 4092971.55      145.84245  (16022408)
       586827.41   4093006.55      124.11841  (16122908)                586862.41
 4093006.55      129.44901  (16011508)
       586897.41   4093006.55      145.87249  (19120208)                586932.41
 4093006.55      178.84796  (19120208)
       587037.41   4093006.55      241.83405  (19020708)                587072.41
 4093006.55      269.34844  (15021208)
       587142.41   4093006.55      261.70827  (18021308)                587177.41
 4093006.55      272.85774  (18010408)
       587212.41   4093006.55      250.67849  (15020408)                587247.41
 4093006.55      236.74872  (19011108)
       587282.41   4093006.55      212.97864  (15021708)                587317.41
 4093006.55      190.55741  (16011808)
       587352.41   4093006.55      170.14174  (19121008)                587387.41
 4093006.55      150.40916  (18012508)
       587422.41   4093006.55      135.82829  (18012308)                587492.41
 4093006.55      121.56745  (15010908)
       586827.41   4093041.55      135.27263  (16122908)                586862.41
 4093041.55      145.92684  (16122908)
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc                ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                        ***        17:20:07

                                   PAGE 172
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ONSITE   ***
                                  INCLUDING SOURCE(S):     L0001049    , L0001050
 , L0001051    , L0001052    , L0001053    ,
                 L0001054    , L0001055    , L0001056    , L0001057    , L0001058
 , L0001059    , L0001060    , L0001061    ,
                 L0001062    , L0001063    , L0001064    , L0001065    , L0001066
 , L0001067    , L0001068    , L0001069    ,
                 L0001070    , L0001071    , L0001072    , L0001073    , L0001074
 , L0001075    , L0001076    ,  . . .      ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
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**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
586897.41	4093041.55	156.58859	(16011508)	586932.41	4093041.55	178.27075	(19120208)
586967.41	4093041.55	219.28873	(19120208)	587002.41	4093041.55	249.43452	(15012608)
587037.41	4093041.55	283.17872	(19020708)	587142.41	4093041.55	327.71625	(19012908)
587177.41	4093041.55	329.36394	(18010408)	587212.41	4093041.55	299.42215	(18020608)
587247.41	4093041.55	274.63978	(15021708)	587282.41	4093041.55	236.64113	(16011808)
587317.41	4093041.55	205.66421	(19121008)	587352.41	4093041.55	177.51633	(18012508)
587387.41	4093041.55	157.91817	(18012308)	587422.41	4093041.55	149.81719	(15021008)
587457.41	4093041.55	136.31488	(15010908)	586827.41	4093076.55	143.44776	(16010108)
586862.41	4093076.55	152.49105	(16122908)	586897.41	4093076.55	176.64250	(16122908)
586932.41	4093076.55	193.59889	(16122908)	586967.41	4093076.55	222.22673	(19120208)
587002.41	4093076.55	277.21208	(19120208)	587037.41	4093076.55	327.16808	(18012908)
587072.41	4093076.55	386.75686	(19021208)	587177.41	4093076.55	409.71326	(15020408)
587212.41	4093076.55	368.37256	(15021708)	587247.41	4093076.55	306.73740	(16011808)
587282.41	4093076.55	267.36329	(17101908)	587317.41	4093076.55	217.81182	(18012308)
587352.41	4093076.55	195.99153	(15021008)	587387.41	4093076.55	177.66076	(15010908)
587422.41	4093076.55	155.66428	(15011908)	587457.41	4093076.55	138.72610	(16010708)
587492.41	4093076.55	124.34195	(16010708)	586792.41	4093111.55	138.27937	(19011608)
586827.41	4093111.55	149.18613	(16010108)	586862.41	4093111.55	169.85589	(16010108)
586897.41	4093111.55	188.23126	(16010108)	586932.41	4093111.55	209.94454	(16122908)
586967.41	4093111.55	245.71352	(16122908)	587002.41	4093111.55	285.61021	(19120208)
587037.41	4093111.55	368.41606	(15120708)	587107.41	4093111.55	610.64886	(19011508)
587142.41	4093111.55	593.33303	(19022708)	587177.41	4093111.55	521.09619	(19011108)

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       587212.41   4093111.55      463.85589  (17101908)                587282.41
 4093111.55      275.82402  (15010908)
       587317.41   4093111.55      243.23705  (15010908)                587352.41
 4093111.55      205.28924  (15011908)
       587387.41   4093111.55      177.29268  (16010708)                587422.41
 4093111.55      157.82849  (16012708)
       587457.41   4093111.55      143.92761  (16012708)                587492.41
 4093111.55      129.61237  (16012708)
       586792.41   4093146.55      140.74140  (18022108)                586827.41
 4093146.55      156.97167  (19011608)
       586862.41   4093146.55      178.26307  (19011608)                586897.41
 4093146.55      199.60539  (19011608)
       586932.41   4093146.55      226.98772  (16010108)                586967.41
 4093146.55      264.54602  (16010108)
       587002.41   4093146.55      311.16910  (16122908)                587037.41
 4093146.55      388.31953  (19120208)
       587212.41   4093146.55      563.32273  (17101908)                587247.41
 4093146.55      358.86210  (15010908)
       587282.41   4093146.55      290.92632  (15011908)                587352.41
 4093146.55      208.72008  (16012708)
       587387.41   4093146.55      183.81506  (19020108)                587422.41
 4093146.55      163.10748  (19020108)
       587457.41   4093146.55      144.13942  (19020108)                587492.41
 4093146.55      127.34589  (19020108)
       586757.41   4093181.55      126.54316  (17012708)                586792.41
 4093181.55      142.43375  (18022108)
       586827.41   4093181.55      159.21064  (18022108)                586862.41
 4093181.55      181.10121  (18022108)
       586897.41   4093181.55      208.47117  (18022108)                586932.41
 4093181.55      239.96924  (19011608)
       586967.41   4093181.55      282.55317  (19011608)                587002.41
 4093181.55      338.45718  (19011608)
       587037.41   4093181.55      423.65664  (16012008)                587212.41
 4093181.55      459.74602  (17101908)
       587247.41   4093181.55      346.83717  (19020108)                587282.41
 4093181.55      286.17594  (19020108)
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:20:07

                                  PAGE 173
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ONSITE   ***
                                 INCLUDING SOURCE(S):     L0001049    , L0001050
 , L0001051    , L0001052    , L0001053    ,
                L0001054    , L0001055    , L0001056    , L0001057    , L0001058
 , L0001059    , L0001060    , L0001061    ,
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                L0001062    , L0001063    , L0001064    , L0001065    , L0001066
 , L0001067    , L0001068    , L0001069    ,
                L0001070    , L0001071    , L0001072    , L0001073    , L0001074
 , L0001075    , L0001076    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)             X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        587317.41   4093181.55      238.99240  (19020108)               587352.41
 4093181.55      206.83819  (16021508)
        587457.41   4093181.55      145.66978  (16021508)               587492.41
 4093181.55      131.02215  (16021508)
        586757.41   4093216.55      134.61857  (18122008)               586792.41
 4093216.55      147.04376  (18122008)
        586827.41   4093216.55      163.69412  (18122008)               586862.41
 4093216.55      186.65959  (18122008)
        586897.41   4093216.55      214.22101  (18122008)               586932.41
 4093216.55      247.43873  (18122008)
        586967.41   4093216.55      291.44365  (18122008)               587002.41
 4093216.55      356.17683  (18022108)
        587037.41   4093216.55      464.75153  (19121208)               587212.41
 4093216.55      423.37545  (16021508)
        587247.41   4093216.55      335.44615  (16021508)               587282.41
 4093216.55      275.26807  (16021508)
        587317.41   4093216.55      231.19925  (16021508)               587352.41
 4093216.55      193.54732  (16021508)
        587387.41   4093216.55      170.57657  (18021408)               587422.41
 4093216.55      149.41574  (18021408)
        587457.41   4093216.55      131.91367  (18021408)               586757.41
 4093251.55      130.35882  (18122008)
        586792.41   4093251.55      143.49163  (18122008)               586827.41
 4093251.55      161.61968  (18122008)
        586862.41   4093251.55      186.97224  (18122008)               586897.41
 4093251.55      216.38620  (18122008)
        586932.41   4093251.55      252.95412  (18122008)               586967.41
 4093251.55      301.55130  (18122008)
        587002.41   4093251.55      374.20026  (17011808)               587177.41
 4093251.55      532.97888  (16022608)
        587212.41   4093251.55      394.18512  (16022608)               587247.41
 4093251.55      317.88601  (17021008)
        587282.41   4093251.55      263.15199  (17021008)               587317.41
 4093251.55      221.44283  (18022708)
        587352.41   4093251.55      192.97718  (18022708)               587387.41
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 4093251.55      170.42882  (18022708)
       587422.41   4093251.55      152.96238  (18022708)                587457.41
 4093251.55      137.28413  (18022708)
       587492.41   4093251.55      123.86197  (18022708)                586722.41
 4093286.55      109.06071  (17011808)
       586757.41   4093286.55      124.48512  (17011808)                586792.41
 4093286.55      142.06789  (17011808)
       586827.41   4093286.55      164.15938  (17011808)                586862.41
 4093286.55      192.75918  (17011808)
       586897.41   4093286.55      223.79984  (17011808)                586932.41
 4093286.55      262.48065  (17011808)
       586967.41   4093286.55      314.07509  (17011808)                587002.41
 4093286.55      390.48561  (17011808)
       587107.41   4093286.55      689.53894  (15021308)                587177.41
 4093286.55      495.75592  (15120208)
       587212.41   4093286.55      379.00882  (17020808)                587247.41
 4093286.55      304.43144  (17020808)
       587282.41   4093286.55      256.26467  (17021008)                587317.41
 4093286.55      224.03098  (17021008)
       587352.41   4093286.55      196.94720  (17021008)                587387.41
 4093286.55      171.88742  (17021008)
       587422.41   4093286.55      152.41907  (17021008)                587457.41
 4093286.55      134.15340  (18020508)
       587492.41   4093286.55      119.25753  (18020508)                586722.41
 4093321.55      120.31196  (17011808)
       586757.41   4093321.55      131.83774  (17011808)                586792.41
 4093321.55      145.31937  (17011808)
       586827.41   4093321.55      160.95225  (17011808)                586862.41
 4093321.55      179.51570  (17011808)
       586897.41   4093321.55      197.15540  (17011808)                586932.41
 4093321.55      216.63964  (17011808)
       586967.41   4093321.55      299.65443  (19121808)                587072.41
 4093321.55      664.28157  (19010908)
       587107.41   4093321.55      571.47073  (15020908)                587177.41
 4093321.55      463.28778  (17120408)
       587212.41   4093321.55      349.43147  (15120208)                587247.41
 4093321.55      291.81803  (17020808)
       587282.41   4093321.55      250.68429  (17020808)                587317.41
 4093321.55      211.78686  (16022608)
       587352.41   4093321.55      183.24608  (16022608)                587387.41
 4093321.55      163.85605  (17021008)
       587422.41   4093321.55      151.21402  (17021008)                587457.41
 4093321.55      138.38340  (17021008)
       587492.41   4093321.55      125.63297  (17021008)                586722.41
 4093356.55      110.18678  (17011808)
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc                ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                       ***       17:20:07
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): L0001049 , L0001050 , L0001051 , L0001052 , L0001053 ,
L0001054 , L0001055 , L0001056 , L0001057 , L0001058 , L0001059 , L0001060 , L0001061 ,
L0001062 , L0001063 , L0001064 , L0001065 , L0001066 , L0001067 , L0001068 , L0001069 ,
L0001070 , L0001071 , L0001072 , L0001073 , L0001074 , L0001075 , L0001076 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
586757.41	4093356.55	114.97922	(17011808)	586792.41	4093356.55	119.86412	(17011808)
586827.41	4093356.55	124.42458	(17011808)	586862.41	4093356.55	139.08850	(16011908)
586897.41	4093356.55	183.79519	(19121808)	586932.41	4093356.55	245.56817	(19121808)
586967.41	4093356.55	301.11031	(19121808)	587037.41	4093356.55	451.94924	(18122508)
587072.41	4093356.55	447.52129	(19010908)	587107.41	4093356.55	463.25953	(15020908)
587212.41	4093356.55	303.93779	(15120208)	587247.41	4093356.55	267.49920	(15012708)
587282.41	4093356.55	233.20658	(16010408)	587317.41	4093356.55	206.69725	(17020808)
587352.41	4093356.55	183.50642	(17020808)	587387.41	4093356.55	159.82931	(16022608)
587422.41	4093356.55	144.16241	(16022608)	587457.41	4093356.55	127.13601	(16022608)
587492.41	4093356.55	149.66287	(15021908)	586687.41	4093391.55	84.16553	(17011808)
586722.41	4093391.55	85.54861	(16011908)	586757.41	4093391.55	93.97847	(16011908)
586792.41	4093391.55	101.73600	(16011908)	586827.41	4093391.55	125.77064	(15022308)
586862.41	4093391.55	162.52706	(19121808)	586897.41	4093391.55	200.42869	(19121808)

586932.41 4093391.55 224.44923 (19121808) 586967.41
4093391.55 268.02278 (19120408)
587037.41 4093391.55 345.96027 (16120208) 587072.41
4093391.55 340.76415 (19010908)
587107.41 4093391.55 387.35937 (15020908) 587177.41
4093391.55 362.01794 (17120408)
587212.41 4093391.55 298.61612 (17120408) 587247.41
4093391.55 229.08523 (15012708)
587282.41 4093391.55 216.80999 (15012708) 587317.41
4093391.55 190.59983 (16010408)
587352.41 4093391.55 171.94009 (16010408) 587387.41
4093391.55 158.84962 (17020808)
587422.41 4093391.55 142.61167 (17020808) 586687.41
4093426.55 76.44389 (16011908)
586722.41 4093426.55 80.02694 (16011908) 586757.41
4093426.55 91.86673 (15022308)
586792.41 4093426.55 114.93499 (19121808) 586827.41
4093426.55 142.34607 (19121808)
586862.41 4093426.55 165.07094 (19121808) 586897.41
4093426.55 174.30500 (19121808)
586932.41 4093426.55 206.62377 (19120408) 586967.41
4093426.55 220.07890 (18122508)
587002.41 4093426.55 256.25884 (18122508) 587037.41
4093426.55 277.71990 (19010908)
587072.41 4093426.55 267.42722 (19010908) 587107.41
4093426.55 321.79286 (15020908)
587177.41 4093426.55 280.63759 (17111508) 587212.41
4093426.55 279.20495 (17120408)
587247.41 4093426.55 209.38193 (17120408) 587282.41
4093426.55 181.77116 (15012708)
587317.41 4093426.55 179.43493 (15012708) 587352.41
4093426.55 158.38211 (15012708)
587387.41 4093426.55 147.76684 (16010408) 587422.41
4093426.55 134.63258 (17020808)
587457.41 4093426.55 125.24920 (17020808) 587492.41
4093426.55 139.08305 (17020808)
586687.41 4093461.55 70.23691 (15022308) 586722.41
4093461.55 86.32525 (15022308)
586757.41 4093461.55 105.34280 (19121808) 586792.41
4093461.55 124.38855 (19121808)
586827.41 4093461.55 137.62390 (19121808) 586862.41
4093461.55 139.55857 (19121808)
586897.41 4093461.55 166.43043 (19120408) 586932.41
4093461.55 172.31224 (19120408)
587002.41 4093461.55 219.82999 (16120208) 587037.41
4093461.55 235.97814 (19010908)
587072.41 4093461.55 217.54922 (18020908) 587107.41
4093461.55 269.81521 (15020908)
587142.41 4093461.55 256.85066 (15011309) 587177.41
4093461.55 242.60486 (17111508)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): L0001049 , L0001050 , L0001051 , L0001052 , L0001053 ,
L0001054 , L0001055 , L0001056 , L0001057 , L0001058 , L0001059 , L0001060 , L0001061 ,
L0001062 , L0001063 , L0001064 , L0001065 , L0001066 , L0001067 , L0001068 , L0001069 ,
L0001070 , L0001071 , L0001072 , L0001073 , L0001074 , L0001075 , L0001076 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
587387.41	4093461.55	139.04390	(15012708)	587422.41	4093461.55	128.40295	(16010408)
587457.41	4093461.55	117.83907	(16010408)	586652.41	4093496.55	67.64824	(15022308)
586687.41	4093496.55	79.94904	(15022308)	586722.41	4093496.55	95.49314	(19121808)
586757.41	4093496.55	108.90018	(19121808)	586792.41	4093496.55	116.18099	(19121808)
586827.41	4093496.55	116.52948	(19120408)	586897.41	4093496.55	144.06474	(19120408)
586932.41	4093496.55	162.07747	(18122508)	587002.41	4093496.55	189.64267	(16120208)
587107.41	4093496.55	229.49581	(15020908)	587142.41	4093496.55	218.31325	(15011309)
587177.41	4093496.55	208.29932	(17111508)	587212.41	4093496.55	190.33181	(17120408)
587247.41	4093496.55	198.70188	(17120408)	587282.41			

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 4093496.55      161.17010  (17120408)
       587352.41   4093496.55      124.62771  (15012708)                587387.41
 4093496.55      128.65689  (15012708)
       587422.41   4093496.55      121.31228  (15012708)                587457.41
 4093496.55      110.93916  (16010408)
       587492.41   4093496.55      105.15356  (16010408)                586652.41
 4093531.55       75.18424  (19121808)
       586687.41   4093531.55       86.53093  (19121808)                586722.41
 4093531.55       95.57795  (19121808)
       586757.41   4093531.55       99.17447  (19121808)                586792.41
 4093531.55      100.29703  (19120408)
       586827.41   4093531.55      117.23387  (19120408)                586862.41
 4093531.55      122.80172  (19120408)
       586897.41   4093531.55      129.61752  (18122508)                586932.41
 4093531.55      147.74307  (18122508)
       586967.41   4093531.55      155.80892  (16120208)                587002.41
 4093531.55      164.82639  (19010908)
       587037.41   4093531.55      165.79121  (19010908)                587072.41
 4093531.55      166.43999  (18020908)
       587107.41   4093531.55      197.94926  (15020908)                587142.41
 4093531.55      189.02309  (15011309)
       587177.41   4093531.55      178.48644  (17111508)                587212.41
 4093531.55      159.90693  (17111508)
       587247.41   4093531.55      173.99858  (17120408)                587282.41
 4093531.55      161.27001  (17120408)
       587317.41   4093531.55      125.74120  (15022408)                587352.41
 4093531.55      105.72804  (17010908)
       587387.41   4093531.55      106.41609  (15012708)                587422.41
 4093531.55      111.28004  (15012708)
       587457.41   4093531.55      106.92572  (15012708)                587492.41
 4093531.55       96.24409  (15020508)
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:20:07

                                  PAGE 176
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  OFFSITEO ***
                                INCLUDING SOURCE(S):     L0001099    , L0001100
 , L0001101    , L0001102    , L0001103    ,
                 L0001104    , L0001105    , L0001106    , L0001107    , L0001108
 , L0001109    , L0001110    , L0001111    ,
                 L0001112    , L0001113    , L0001114    , L0001115    , L0001116
 , L0001117    , L0001118    , L0001119    ,
                 L0001120    , L0001121    , L0001122    , L0001123    , L0001124
 , L0001125    , L0001126    ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
586932.41	4092866.55	66.11930	(19020708)	586967.41	4092866.55	76.59212	(15021208)
587002.41	4092866.55	88.65389	(15021208)	587037.41	4092866.55	108.31308	(19011508)
587072.41	4092866.55	136.49355	(19011508)	587107.41	4092866.55	181.93880	(16121508)
587142.41	4092866.55	283.60678	(19012908)	587177.41	4092866.55	332.85861	(15022608)
587212.41	4092866.55	219.20347	(19011108)	587247.41	4092866.55	157.00840	(15021708)
587282.41	4092866.55	119.07792	(16120608)	587317.41	4092866.55	98.18174	(16011808)
587352.41	4092866.55	83.77011	(15021608)	587387.41	4092866.55	72.65994	(19121008)
587457.41	4092866.55	68.75851	(15022008)	586897.41	4092901.55	61.25366	(15013008)
586932.41	4092901.55	69.55421	(19020708)	586967.41	4092901.55	80.17219	(16010508)
587002.41	4092901.55	94.44816	(16010508)	587037.41	4092901.55	116.74044	(19011508)
587072.41	4092901.55	150.52341	(19011508)	587107.41	4092901.55	213.22924	(16121508)
587142.41	4092901.55	400.09812	(19022708)	587177.41	4092901.55	352.84957	(18010308)
587247.41	4092901.55	142.93041	(15021708)	587317.41	4092901.55	93.04970	(15021608)
587352.41	4092901.55	79.67345	(15021608)	587387.41	4092901.55	69.37169	(17010208)
587457.41	4092901.55	57.48156	(19020108)	587492.41	4092901.55	61.45309	(16020308)
586897.41	4092936.55	64.18930	(15013008)	586932.41	4092936.55	72.51439	(19020708)
586967.41	4092936.55	84.37470	(16010508)	587002.41	4092936.55	100.73854	(16010508)
587037.41	4092936.55	126.34650	(19011508)	587072.41	4092936.55	167.50065	(19011508)
587107.41	4092936.55	256.87481	(18021308)	587177.41	4092936.55	308.28324	(17101908)
587212.41	4092936.55	182.39245	(15021708)	587247.41	4092936.55	131.04208	(15120908)

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       587282.41   4092936.55      105.26000  (15021608)                587317.41
 4092936.55       88.49298  (15021608)
       587352.41   4092936.55       75.39455  (17010208)                587387.41
 4092936.55       67.04554  (15010908)
       587422.41   4092936.55       60.84747  (15010908)                587457.41
 4092936.55       56.29434  (15010908)
       587492.41   4092936.55       59.95316  (16022408)                586862.41
 4092971.55       58.89439  (15013008)
       586967.41   4092971.55       88.96422  (16010508)                587002.41
 4092971.55      107.54583  (16010508)
       587037.41   4092971.55      137.68428  (19011508)                587072.41
 4092971.55      188.87490  (17010309)
       587107.41   4092971.55      326.78826  (15022508)                587177.41
 4092971.55      258.74351  (17101908)
       587212.41   4092971.55      163.32249  (15021708)                587247.41
 4092971.55      121.87934  (15021608)
       587282.41   4092971.55       99.93969  (15021608)                587317.41
 4092971.55       83.56439  (15021608)
       587352.41   4092971.55       72.37877  (15010908)                587387.41
 4092971.55       65.40734  (15010908)
       587422.41   4092971.55       59.62256  (15010908)                587492.41
 4092971.55       57.06026  (16022408)
       586827.41   4093006.55       54.10906  (15120708)                586862.41
 4093006.55       59.88428  (18012908)
       586897.41   4093006.55       68.40773  (15013008)                586932.41
 4093006.55       78.50643  (19020708)
       587037.41   4093006.55      151.69589  (17010309)                587072.41
 4093006.55      218.69128  (17010309)
       587142.41   4093006.55      392.72164  (15011209)                587177.41
 4093006.55      217.52760  (17101908)
       587212.41   4093006.55      146.95917  (15120908)                587247.41
 4093006.55      114.70044  (15021608)
       587282.41   4093006.55       93.87845  (15021608)                587317.41
 4093006.55       79.24501  (19011408)
       587352.41   4093006.55       70.40588  (15010908)                587387.41
 4093006.55       63.70412  (15010908)
       587422.41   4093006.55       58.21971  (15010908)                587492.41
 4093006.55       49.25173  (15122408)
       586827.41   4093041.55       55.58405  (15120708)                586862.41
 4093041.55       60.79626  (15120708)
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:20:07

                                  PAGE 177
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  OFFSITEO ***
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                                  INCLUDING SOURCE(S):     L0001099    , L0001100
 , L0001101    , L0001102    , L0001103    ,
                 L0001104    , L0001105    , L0001106    , L0001107    , L0001108
 , L0001109    , L0001110    , L0001111    ,
                 L0001112    , L0001113    , L0001114    , L0001115    , L0001116
 , L0001117    , L0001118    , L0001119    ,
                 L0001120    , L0001121    , L0001122    , L0001123    , L0001124
 , L0001125    , L0001126    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                           ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        586897.41   4093041.55       70.46491  (15013008)                586932.41
 4093041.55       81.97203  (15013008)
        586967.41   4093041.55       99.01246  (16010508)                587002.41
 4093041.55      124.06781  (16010508)
        587037.41   4093041.55      169.46111  (17010309)                587142.41
 4093041.55      312.00362  (17101908)
        587177.41   4093041.55      189.17979  (16022508)                587212.41
 4093041.55      134.53559  (15021608)
        587247.41   4093041.55      107.08015  (15021608)                587282.41
 4093041.55       88.02309  (19011408)
        587317.41   4093041.55       76.31696  (15010908)                587352.41
 4093041.55       68.35528  (15010908)
        587387.41   4093041.55       61.85779  (15010908)                587422.41
 4093041.55       56.41008  (15010908)
        587457.41   4093041.55       50.82460  (15010908)                586827.41
 4093076.55       56.55544  (19120208)
        586862.41   4093076.55       63.04607  (15120708)                586897.41
 4093076.55       72.98845  (15013008)
        586932.41   4093076.55       85.32736  (15013008)                586967.41
 4093076.55      104.87889  (16010508)
        587002.41   4093076.55      134.40795  (17010309)                587037.41
 4093076.55      191.10465  (17010309)
        587072.41   4093076.55      323.84168  (15022508)                587177.41
 4093076.55      165.47047  (16022508)
        587212.41   4093076.55      124.12381  (15021608)                587247.41
 4093076.55       99.05979  (19011408)
        587282.41   4093076.55       83.27268  (15010908)                587317.41
 4093076.55       73.81705  (15010908)
        587352.41   4093076.55       66.11233  (15010908)                587387.41
 4093076.55       59.49824  (15010908)
        587422.41   4093076.55       53.81140  (15011908)                587457.41
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4093076.55       49.37602  (15011908)
       587492.41   4093076.55       46.17831  (16012708)                586792.41
4093111.55       53.14575  (18122008)
       586827.41   4093111.55       57.93738  (17011808)                586862.41
4093111.55       65.81533  (15120708)
       586897.41   4093111.55       75.27215  (15013008)                586932.41
4093111.55       89.02046  (15013008)
       586967.41   4093111.55      111.37478  (16010508)                587002.41
4093111.55      147.52395  (17010309)
       587037.41   4093111.55      218.55800  (17010309)                587107.41
4093111.55      408.37742  (15011209)
       587142.41   4093111.55      221.28142  (17101908)                587177.41
4093111.55      147.07531  (15021608)
       587212.41   4093111.55      113.77514  (15022008)                587282.41
4093111.55       80.26392  (15010908)
       587317.41   4093111.55       71.19171  (15010908)                587352.41
4093111.55       62.89921  (15010908)
       587387.41   4093111.55       56.88082  (15011908)                587422.41
4093111.55       52.00672  (15011908)
       587457.41   4093111.55       48.02566  (19020108)                587492.41
4093111.55       44.96597  (19020108)
       586792.41   4093146.55       55.21409  (17011808)                586827.41
4093146.55       59.81436  (17011808)
       586862.41   4093146.55       67.43698  (15120708)                586897.41
4093146.55       77.89075  (15120708)
       586932.41   4093146.55       93.82231  (15013008)                586967.41
4093146.55      118.57366  (16010508)
       587002.41   4093146.55      163.31551  (17010309)                587037.41
4093146.55      255.71159  (17010309)
       587212.41   4093146.55      104.63093  (16022408)                587247.41
4093146.55       87.75938  (15010908)
       587282.41   4093146.55       76.96757  (15010908)                587352.41
4093146.55       60.59977  (15011908)
       587387.41   4093146.55       54.81505  (15011908)                587422.41
4093146.55       50.68422  (19020108)
       587457.41   4093146.55       47.02856  (19020108)                587492.41
4093146.55       43.93998  (19020108)
       586757.41   4093181.55       51.97947  (17011808)                586792.41
4093181.55       56.51383  (17011808)
       586827.41   4093181.55       61.28057  (17011808)                586862.41
4093181.55       68.79115  (17011808)
       586897.41   4093181.55       81.60484  (15120708)                586932.41
4093181.55      100.90293  (15022308)
       586967.41   4093181.55      128.29046  (15022308)                587002.41
4093181.55      183.06424  (17010309)
       587037.41   4093181.55      308.48959  (17010309)                587212.41
4093181.55       97.83154  (16022408)
       587247.41   4093181.55       83.54648  (15010908)                587282.41
4093181.55       73.04952  (15011908)
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: OFFSITEO ***
INCLUDING SOURCE(S): L0001099 , L0001100 , L0001101 , L0001102 , L0001103 ,
L0001104 , L0001105 , L0001106 , L0001107 , L0001108 , L0001109 , L0001110 , L0001111 ,
L0001112 , L0001113 , L0001114 , L0001115 , L0001116 , L0001117 , L0001118 , L0001119 ,
L0001120 , L0001121 , L0001122 , L0001123 , L0001124 , L0001125 , L0001126 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
587317.41	4093181.55	64.42898	(15011908)	587352.41	4093181.55	57.76737	(19020108)
587457.41	4093181.55	45.69204	(19020108)	587492.41	4093181.55	42.80484	(16021508)
586757.41	4093216.55	53.68731	(17011808)	586792.41	4093216.55	57.63212	(17011808)
586827.41	4093216.55	63.41765	(17011808)	586862.41	4093216.55	72.94654	(15022308)
586897.41	4093216.55	88.92082	(15022308)	586932.41	4093216.55	109.55620	(15022308)
586967.41	4093216.55	141.65989	(19120408)	587002.41	4093216.55	208.17648	(17010309)
587037.41	4093216.55	415.12693	(15022508)	587212.41	4093216.55	91.18236	(15010908)
587247.41	4093216.55	78.87235	(15011908)	587282.41	4093216.55	68.84992	(15011908)
587317.41	4093216.55	61.62277	(19020108)	587352.41	4093216.55	55.13761	(16021508)
587387.41	4093216.55	51.60356	(16021508)	587422.41	4093216.55	47.90254	(16021508)
587457.41	4093216.55	44.65891	(16021508)	586757.41	4093251.55	54.71454	(17011808)

586792.41 4093251.55 59.00460 (17011808) 586827.41
4093251.55 66.02066 (15022308)
586862.41 4093251.55 79.57157 (19121808) 586897.41
4093251.55 96.30449 (19121808)
586932.41 4093251.55 118.17112 (15022308) 586967.41
4093251.55 161.52097 (19120408)
587002.41 4093251.55 242.95829 (17010309) 587177.41
4093251.55 102.07361 (17120408)
587212.41 4093251.55 86.54491 (17120408) 587247.41
4093251.55 73.78516 (16021508)
587282.41 4093251.55 65.89729 (16021508) 587317.41
4093251.55 59.63787 (16021508)
587352.41 4093251.55 54.17861 (16021508) 587387.41
4093251.55 49.85414 (16021508)
587422.41 4093251.55 46.60005 (16021508) 587457.41
4093251.55 43.38340 (16021508)
587492.41 4093251.55 40.60673 (16021508) 586722.41
4093286.55 51.38884 (17011808)
586757.41 4093286.55 55.68346 (17011808) 586792.41
4093286.55 60.71507 (17011808)
586827.41 4093286.55 71.69509 (19121808) 586862.41
4093286.55 86.02456 (19121808)
586897.41 4093286.55 103.13042 (19121808) 586932.41
4093286.55 131.91298 (19120408)
586967.41 4093286.55 182.76738 (19120408) 587002.41
4093286.55 303.25914 (18122508)
587107.41 4093286.55 174.06176 (15011309) 587177.41
4093286.55 96.94400 (17120408)
587212.41 4093286.55 83.29003 (17120408) 587247.41
4093286.55 71.09403 (17120408)
587282.41 4093286.55 63.54273 (16021508) 587317.41
4093286.55 57.60901 (16021508)
587352.41 4093286.55 52.43520 (16021508) 587387.41
4093286.55 47.90442 (16021508)
587422.41 4093286.55 44.92844 (17020808) 587457.41
4093286.55 42.14570 (17020808)
587492.41 4093286.55 39.61300 (17020808) 586722.41
4093321.55 52.87945 (17011808)
586757.41 4093321.55 56.86209 (17011808) 586792.41
4093321.55 65.66822 (19121808)
586827.41 4093321.55 76.83879 (19121808) 586862.41
4093321.55 91.38476 (19121808)
586897.41 4093321.55 110.69217 (19120408) 586932.41
4093321.55 146.53154 (19120408)
586967.41 4093321.55 207.51163 (19120408) 587072.41
4093321.55 232.24966 (15011309)
587107.41 4093321.55 156.27970 (15011309) 587177.41
4093321.55 92.23011 (17120408)
587212.41 4093321.55 80.11132 (17120408) 587247.41
4093321.55 69.56588 (17120408)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: OFFSITEO ***
INCLUDING SOURCE(S): L0001099 , L0001100 , L0001101 , L0001102 , L0001103 ,
L0001104 , L0001105 , L0001106 , L0001107 , L0001108 , L0001109 , L0001110 , L0001111 ,
L0001112 , L0001113 , L0001114 , L0001115 , L0001116 , L0001117 , L0001118 , L0001119 ,
L0001120 , L0001121 , L0001122 , L0001123 , L0001124 , L0001125 , L0001126 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
586757.41	4093356.55	60.74473	(19121808)	586792.41	4093356.55	69.85589	(19121808)
586827.41	4093356.55	81.39056	(19121808)	586862.41	4093356.55	96.27225	(19121808)
586897.41	4093356.55	121.41061	(19120408)	586932.41	4093356.55	161.83500	(19120408)
586967.41	4093356.55	246.68591	(18122508)	587037.41	4093356.55	332.90788	(15011309)
587072.41	4093356.55	202.13614	(15011309)	587107.41	4093356.55	141.47736	(15011309)
587212.41	4093356.55	77.05708	(17120408)	587247.41	4093356.55	67.82393	(17120408)
587282.41	4093356.55	58.70288	(17120408)	587317.41	4093321.55	60.71049	(16021508)
587352.41	4093321.55	50.06615	(17020808)	587387.41	4093321.55	46.86860	(17020808)
587422.41	4093321.55	44.02104	(17020808)	587457.41	4093321.55	41.40471	(17020808)
587492.41	4093321.55	38.96308	(17020808)	586722.41	4093356.55	53.90356	(17011808)

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4093356.55       52.88428  (17020808)
       587352.41   4093356.55       49.03616  (17020808)                587387.41
4093356.55       45.96832  (17020808)
       587422.41   4093356.55       43.10783  (17020808)                587457.41
4093356.55       40.50143  (17020808)
       587492.41   4093356.55       43.28441  (15021908)                586687.41
4093391.55       50.96993  (17011808)
       586722.41   4093391.55       56.82783  (19121808)                586757.41
4093391.55       64.25167  (19121808)
       586792.41   4093391.55       73.32082  (19121808)                586827.41
4093391.55       85.61685  (19121808)
       586862.41   4093391.55      102.86207  (19120408)                586897.41
4093391.55      131.68936  (19120408)
       586932.41   4093391.55      178.69510  (19120408)                586967.41
4093391.55      302.34858  (18122508)
       587037.41   4093391.55      273.48508  (15020908)                587072.41
4093391.55      178.28425  (15011309)
       587107.41   4093391.55      128.82637  (15011309)                587177.41
4093391.55       83.79975  (17120408)
       587212.41   4093391.55       74.14029  (17120408)                587247.41
4093391.55       65.96151  (17120408)
       587282.41   4093391.55       58.08193  (17120408)                587317.41
4093391.55       51.32151  (17020808)
       587352.41   4093391.55       47.88746  (17020808)                587387.41
4093391.55       44.92118  (17020808)
       587422.41   4093391.55       42.18881  (17020808)                586687.41
4093426.55       53.55109  (19121808)
       586722.41   4093426.55       60.04181  (19121808)                586757.41
4093426.55       67.66491  (19121808)
       586792.41   4093426.55       77.32313  (19121808)                586827.41
4093426.55       89.28294  (19121808)
       586862.41   4093426.55      110.29017  (19120408)                586897.41
4093426.55      141.79327  (19120408)
       586932.41   4093426.55      203.37097  (18122508)                586967.41
4093426.55      389.04049  (18122508)
       587002.41   4093426.55      382.25249  (15020908)                587037.41
4093426.55      231.69436  (15020908)
       587072.41   4093426.55      158.47376  (15011309)                587107.41
4093426.55      117.69037  (15011309)
       587177.41   4093426.55       80.04502  (17120408)                587212.41
4093426.55       71.37299  (17120408)
       587247.41   4093426.55       64.07105  (17120408)                587282.41
4093426.55       57.17360  (17120408)
       587317.41   4093426.55       50.26054  (17020808)                587352.41
4093426.55       46.29195  (17020808)
       587387.41   4093426.55       43.59333  (17020808)                587422.41
4093426.55       41.36305  (17020808)
       587457.41   4093426.55       38.31065  (17020808)                587492.41
4093426.55       42.53633  (15021908)
       586687.41   4093461.55       56.15199  (19121808)                586722.41
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: OFFSITEO ***
                                  INCLUDING SOURCE(S):   L0001099   , L0001100
 , L0001101   , L0001102   , L0001103   ,
                 L0001104   , L0001105   , L0001106   , L0001107   , L0001108
 , L0001109   , L0001110   , L0001111   ,
                 L0001112   , L0001113   , L0001114   , L0001115   , L0001116
 , L0001117   , L0001118   , L0001119   ,
                 L0001120   , L0001121   , L0001122   , L0001123   , L0001124
 , L0001125   , L0001126   , . . .   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
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       586687.41   4093496.55       58.23380  (19121808)                586722.41
4093496.55       64.79572  (19121808)
       586757.41   4093496.55       73.04259  (19121808)                586792.41
4093496.55       83.29666  (19120408)
       586827.41   4093496.55      100.32527  (19120408)                586897.41
4093496.55      166.64241  (18122508)
       586932.41   4093496.55      269.47205  (18122508)                587002.41
4093496.55      257.16484  (15020908)
       587107.41   4093496.55       99.24701  (17111508)                587142.41
4093496.55       84.41332  (17111508)
       587177.41   4093496.55       73.36800  (17120408)                587212.41
4093496.55       66.30203  (17120408)
       587247.41   4093496.55       60.37485  (17120408)                587282.41
4093496.55       54.93922  (17120408)
       587352.41   4093496.55       44.57539  (17020808)                587387.41
4093496.55       41.97205  (17020808)
       587422.41   4093496.55       39.68633  (17020808)                587457.41
4093496.55       37.67621  (17020808)
       587492.41   4093496.55       35.89594  (17020808)                586652.41
4093531.55       54.92075  (19121808)
       586687.41   4093531.55       60.12706  (19121808)                586722.41
4093531.55       66.73982  (19121808)
       586757.41   4093531.55       74.51481  (19121808)                586792.41
4093531.55       87.92832  (19120408)
       586827.41   4093531.55      104.88913  (19120408)                586862.41
4093531.55      127.94942  (18122508)
       586897.41   4093531.55      179.17326  (18122508)                586932.41
4093531.55      248.77842  (16120208)
       586967.41   4093531.55      255.85870  (19010908)                587002.41
4093531.55      212.02860  (15020908)
       587037.41   4093531.55      153.00364  (15020908)                587072.41
4093531.55      115.82113  (15020908)
       587107.41   4093531.55       92.54428  (17111508)                587142.41
4093531.55       79.79018  (17111508)
       587177.41   4093531.55       70.41374  (17120408)                587212.41
4093531.55       64.00559  (17120408)
       587247.41   4093531.55       58.62225  (17120408)                587282.41
4093531.55       53.73915  (17120408)
       587317.41   4093531.55       48.87795  (17120408)                587352.41
4093531.55       43.61139  (17120408)
       587387.41   4093531.55       40.92540  (17020808)                587422.41
4093531.55       38.81925  (17020808)
       587457.41   4093531.55       36.93262  (17020808)                587492.41
4093531.55       35.23844  (17020808)
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                      ***        17:20:07
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: OFFSITEW ***
INCLUDING SOURCE(S): L0001140 , L0001141 , L0001142 , L0001143 , L0001144 ,
L0001145 , L0001146 , L0001147 , L0001148 , L0001149 , L0001150 , L0001151 , L0001152 ,
L0001153 , L0001154 , L0001155 , L0001156 , L0001157 , L0001158 , L0001159 , L0001160 ,
L0001161 , L0001162 , L0001163 , L0001164 , L0001165 , L0001166 , L0001167 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
586932.41	4092866.55	112.94477	(19120208)	586967.41	4092866.55	108.44473	(19120208)
587002.41	4092866.55	100.39214	(19120208)	587037.41	4092866.55	92.85499	(15120708)
587072.41	4092866.55	84.88232	(18012908)	587107.41	4092866.55	78.83554	(15013008)
587142.41	4092866.55	72.72047	(15013008)	587177.41	4092866.55	67.11301	(16010508)
587212.41	4092866.55	63.35443	(16010508)	587247.41	4092866.55	61.40554	(15010908)
587282.41	4092866.55	59.92510	(15010908)	587317.41	4092866.55	58.57089	(15010908)
587352.41	4092866.55	56.77939	(15010908)	587387.41	4092866.55	54.79842	(15010908)
587457.41	4092866.55	58.85683	(18010208)	586897.41	4092901.55	160.73843	(16011508)
586932.41	4092901.55	144.86957	(19013008)	586967.41	4092901.55	132.43817	(19120208)
587002.41	4092901.55	123.46309	(19120208)	587037.41	4092901.55	112.71267	(15120708)
587072.41	4092901.55	102.04920	(15120708)	587107.41	4092901.55	92.03881	(18012908)
587142.41	4092901.55	84.70492	(15013008)	587177.41	4092901.55	76.87698	(15013008)
587247.41	4092901.55	70.57991	(15011908)	587317.41	4092901.55	65.52738	(15011908)
587352.41	4092901.55	62.94133	(15011908)	587387.41			

4092901.55 60.37574 (15011908)
587457.41 4092901.55 54.79898 (15011908) 587492.41
4092901.55 61.91126 (18120708)
586897.41 4092936.55 258.53456 (17022308) 586932.41
4092936.55 216.96847 (16011508)
586967.41 4092936.55 184.04923 (19013008) 587002.41
4092936.55 158.49225 (19013008)
587037.41 4092936.55 142.06138 (19120208) 587072.41
4092936.55 126.75079 (15120708)
587107.41 4092936.55 113.28174 (15120708) 587177.41
4092936.55 91.59028 (15011908)
587212.41 4092936.55 86.70887 (15011908) 587247.41
4092936.55 81.58600 (15011908)
587282.41 4092936.55 77.25160 (15011908) 587317.41
4092936.55 73.52442 (19020108)
587352.41 4092936.55 70.46179 (19020108) 587387.41
4092936.55 67.50159 (19020108)
587422.41 4092936.55 64.29290 (19020108) 587457.41
4092936.55 61.87571 (19020108)
587492.41 4092936.55 69.21404 (16021108) 586862.41
4092971.55 425.87131 (16012008)
586967.41 4092971.55 306.53193 (16011508) 587002.41
4092971.55 247.93429 (16011508)
587037.41 4092971.55 202.44417 (19013008) 587072.41
4092971.55 165.91951 (19120208)
587107.41 4092971.55 144.85425 (15120708) 587177.41
4092971.55 114.79449 (19020108)
587212.41 4092971.55 106.48514 (19020108) 587247.41
4092971.55 98.87076 (19020108)
587282.41 4092971.55 92.72279 (19020108) 587317.41
4092971.55 87.19269 (19020108)
587352.41 4092971.55 82.06413 (19020108) 587387.41
4092971.55 77.36909 (19020108)
587422.41 4092971.55 72.94950 (19020108) 587492.41
4092971.55 77.13874 (16021108)
586827.41 4093006.55 175.56820 (18122008) 586862.41
4093006.55 215.07565 (18022108)
586897.41 4093006.55 284.38422 (18022108) 586932.41
4093006.55 407.22803 (18022108)
587037.41 4093006.55 366.30630 (16011508) 587072.41
4093006.55 275.58724 (19013008)
587142.41 4093006.55 179.54898 (18021408) 587177.41
4093006.55 158.62159 (16021508)
587212.41 4093006.55 141.08129 (16021508) 587247.41
4093006.55 126.97669 (16021508)
587282.41 4093006.55 115.95302 (16021508) 587317.41
4093006.55 106.83845 (16021508)
587352.41 4093006.55 98.69776 (16021508) 587387.41
4093006.55 91.55575 (16021508)
587422.41 4093006.55 85.37253 (16021508) 587492.41

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: OFFSITEW ***
                                  INCLUDING SOURCE(S):   L0001140   , L0001141
 , L0001142   , L0001143   , L0001144   ,
                 L0001145   , L0001146   , L0001147   , L0001148   , L0001149
 , L0001150   , L0001151   , L0001152   ,
                 L0001153   , L0001154   , L0001155   , L0001156   , L0001157
 , L0001158   , L0001159   , L0001160   ,
                 L0001161   , L0001162   , L0001163   , L0001164   , L0001165
 , L0001166   , L0001167   , . . .   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
       586897.41   4093041.55   168.94745 (19121208)   586932.41
4093041.55   204.90897 (19121208)
       586967.41   4093041.55   249.74163 (19121208)   587002.41
4093041.55   317.53274 (18022108)
       587037.41   4093041.55   437.87420 (16012008)   587142.41
4093041.55   298.00880 (15122408)
       587177.41   4093041.55   231.70372 (15122408)   587212.41
4093041.55   189.73783 (16121608)
       587247.41   4093041.55   163.54086 (18021408)   587282.41
4093041.55   145.05789 (18021408)
       587317.41   4093041.55   130.44800 (18021408)   587352.41
4093041.55   118.26855 (16021508)
       587387.41   4093041.55   108.03827 (16021508)   587422.41
4093041.55   99.44731 (16021508)
       587457.41   4093041.55   90.28899 (16021508)   586827.41
4093076.55   102.87684 (18122008)
       586862.41   4093076.55   111.70025 (18122008)   586897.41
4093076.55   125.20680 (18122008)

586932.41 4093076.55 140.18904 (18122008) 586967.41
4093076.55 159.11867 (19121208)
587002.41 4093076.55 185.76851 (19121208) 587037.41
4093076.55 222.28355 (19121208)
587072.41 4093076.55 277.08887 (19121208) 587177.41
4093076.55 451.07758 (17021008)
587212.41 4093076.55 326.65405 (18020508) 587247.41
4093076.55 246.90042 (15122408)
587282.41 4093076.55 201.73835 (15122408) 587317.41
4093076.55 169.95074 (15122408)
587352.41 4093076.55 145.91712 (15122408) 587387.41
4093076.55 129.15875 (18021408)
587422.41 4093076.55 115.42213 (18021408) 587457.41
4093076.55 105.02510 (16021508)
587492.41 4093076.55 98.49195 (16021508) 586792.41
4093111.55 78.58941 (17011808)
586827.41 4093111.55 82.83321 (17122108) 586862.41
4093111.55 89.75424 (17122108)
586897.41 4093111.55 97.44106 (18122008) 586932.41
4093111.55 107.11451 (18122008)
586967.41 4093111.55 119.33112 (18122008) 587002.41
4093111.55 133.05377 (18122008)
587037.41 4093111.55 149.98985 (18122008) 587107.41
4093111.55 207.69903 (19121208)
587142.41 4093111.55 258.88482 (19121208) 587177.41
4093111.55 345.01229 (15020308)
587212.41 4093111.55 439.08767 (15021909) 587282.41
4093111.55 361.58905 (18020508)
587317.41 4093111.55 266.56977 (18020508) 587352.41
4093111.55 204.56957 (18020508)
587387.41 4093111.55 172.73422 (18022708) 587422.41
4093111.55 150.52771 (18022708)
587457.41 4093111.55 131.94327 (18022708) 587492.41
4093111.55 116.63279 (18022708)
586792.41 4093146.55 69.16535 (17011808) 586827.41
4093146.55 71.74886 (17011808)
586862.41 4093146.55 76.48803 (17011808) 586897.41
4093146.55 81.27049 (17011808)
586932.41 4093146.55 87.01506 (17011808) 586967.41
4093146.55 93.54246 (17011808)
587002.41 4093146.55 101.87415 (17122108) 587037.41
4093146.55 112.03856 (18122409)
587212.41 4093146.55 241.25435 (15120208) 587247.41
4093146.55 331.32597 (15020508)
587282.41 4093146.55 466.28984 (17020808) 587352.41
4093146.55 382.14547 (18020508)
587387.41 4093146.55 285.61553 (18020508) 587422.41
4093146.55 223.25827 (18020508)
587457.41 4093146.55 180.78482 (17101908) 587492.41
4093146.55 160.77726 (17101908)

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4093216.55       65.65639  (17011808)
       586967.41   4093216.55       68.86989  (17011808)                587002.41
4093216.55       72.40497  (17011808)
       587037.41   4093216.55       76.32990  (17011808)                587212.41
4093216.55      115.90340  (17120408)
       587247.41   4093216.55      127.92279  (17120408)                587282.41
4093216.55      153.29417  (15120208)
       587317.41   4093216.55      186.25764  (15120208)                587352.41
4093216.55      218.59478  (15020508)
       587387.41   4093216.55      294.39992  (15020508)                587422.41
4093216.55      376.48590  (17020808)
       587457.41   4093216.55      442.03647  (17020808)                586757.41
4093251.55       46.92162  (17011808)
       586792.41   4093251.55       47.96817  (17011808)                586827.41
4093251.55       49.54397  (17011808)
       586862.41   4093251.55       51.62377  (17011808)                586897.41
4093251.55       53.35847  (17011808)
       586932.41   4093251.55       55.35726  (19121808)                586967.41
4093251.55       59.72410  (15020908)
       587002.41   4093251.55       63.24758  (15020908)                587177.41
4093251.55       88.72702  (17120408)
       587212.41   4093251.55       96.45173  (17120408)                587247.41
4093251.55      104.83000  (17120408)
       587282.41   4093251.55      113.93408  (17120408)                587317.41
4093251.55      127.84516  (15120208)
       587352.41   4093251.55      150.66015  (15120208)                587387.41
4093251.55      176.10147  (15120208)
       587422.41   4093251.55      209.35413  (15020508)                587457.41
4093251.55      234.87913  (16010408)
       587492.41   4093251.55      260.53004  (17020808)                586722.41
4093286.55       41.52380  (19121808)
       586757.41   4093286.55       42.64395  (19121808)                586792.41
4093286.55       43.76094  (19121808)
       586827.41   4093286.55       45.29319  (19121808)                586862.41
4093286.55       47.19848  (19121808)
       586897.41   4093286.55       48.89211  (19121808)                586932.41
4093286.55       50.80623  (19121808)
       586967.41   4093286.55       53.72973  (15020908)                587002.41
4093286.55       57.00119  (15020908)
       587107.41   4093286.55       65.92758  (15020908)                587177.41
4093286.55       76.60280  (17120408)
       587212.41   4093286.55       82.64593  (17120408)                587247.41
4093286.55       88.95315  (17120408)
       587282.41   4093286.55       95.51305  (17120408)                587317.41
4093286.55      102.46901  (17120408)
       587352.41   4093286.55      109.83008  (17120408)                587387.41
4093286.55      124.66760  (15120208)
       587422.41   4093286.55      144.61284  (15120208)                587457.41
4093286.55      161.06424  (15120208)
       587492.41   4093286.55      176.84774  (16010408)                586722.41
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 4093321.55       39.18814  (19121808)
       586757.41   4093321.55       39.96443  (19121808)                586792.41
 4093321.55       41.04453  (19121808)
       586827.41   4093321.55       42.40615  (19121808)                586862.41
 4093321.55       43.96613  (19121808)
       586897.41   4093321.55       45.42259  (19121808)                586932.41
 4093321.55       47.04642  (19121808)
       586967.41   4093321.55       48.78236  (19121808)                587072.41
 4093321.55       56.54302  (15020908)
       587107.41   4093321.55       59.25132  (15020908)                587177.41
 4093321.55       66.85874  (17120408)
       587212.41   4093321.55       72.15603  (17120408)                587247.41
 4093321.55       77.27051  (17120408)
       587282.41   4093321.55       82.38972  (17120408)                587317.41
 4093321.55       87.67389  (17120408)
       587352.41   4093321.55       91.64750  (17120408)                587387.41
 4093321.55       97.98658  (17120408)
       587422.41   4093321.55      107.07160  (15120208)                587457.41
 4093321.55      121.35828  (15012708)
       587492.41   4093321.55      132.42021  (15012708)                586722.41
 4093356.55       36.97524  (19121808)
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:20:07

                                  PAGE 184
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  OFFSITEW ***
                                 INCLUDING SOURCE(S):     L0001140    , L0001141
 , L0001142    , L0001143    , L0001144    ,
                 L0001145    , L0001146    , L0001147    , L0001148    , L0001149
 , L0001150    , L0001151    , L0001152    ,
                 L0001153    , L0001154    , L0001155    , L0001156    , L0001157
 , L0001158    , L0001159    , L0001160    ,
                 L0001161    , L0001162    , L0001163    , L0001164    , L0001165
 , L0001166    , L0001167    ,  . . .      ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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       586757.41   4093356.55       37.68304  (19121808)                586792.41
4093356.55       38.69620  (19121808)
       586827.41   4093356.55       39.98287  (19121808)                586862.41
4093356.55       41.21410  (19121808)
       586897.41   4093356.55       42.47291  (19121808)                586932.41
4093356.55       43.81315  (19121808)
       586967.41   4093356.55       45.19493  (19121808)                587037.41
4093356.55       49.70986  (15020908)
       587072.41   4093356.55       51.70294  (15020908)                587107.41
4093356.55       53.90330  (15020908)
       587212.41   4093356.55       63.66478  (17120408)                587247.41
4093356.55       68.20606  (17120408)
       587282.41   4093356.55       72.50565  (17120408)                587317.41
4093356.55       76.55164  (17120408)
       587352.41   4093356.55       80.61419  (17120408)                587387.41
4093356.55       85.16463  (17120408)
       587422.41   4093356.55       88.75472  (17120408)                587457.41
4093356.55       92.80798  (15012708)
       587492.41   4093356.55      129.09153  (15010708)                586687.41
4093391.55       34.37889  (19121808)
       586722.41   4093391.55       35.00622  (19121808)                586757.41
4093391.55       35.70617  (19121808)
       586792.41   4093391.55       36.64349  (19121808)                586827.41
4093391.55       37.77405  (19121808)
       586862.41   4093391.55       38.75379  (19121808)                586897.41
4093391.55       39.77464  (19121808)
       586932.41   4093391.55       40.78846  (19121808)                586967.41
4093391.55       41.73652  (19121808)
       587037.41   4093391.55       45.96156  (15020908)                587072.41
4093391.55       47.68939  (15020908)
       587107.41   4093391.55       49.51701  (15020908)                587177.41
4093391.55       53.42932  (15020908)
       587212.41   4093391.55       56.37778  (17120408)                587247.41
4093391.55       60.76394  (17120408)
       587282.41   4093391.55       64.64881  (17120408)                587317.41
4093391.55       68.11245  (17120408)
       587352.41   4093391.55       71.73989  (17120408)                587387.41
4093391.55       75.15170  (17120408)
       587422.41   4093391.55       78.07277  (17120408)                586687.41
4093426.55       32.75956  (19121808)
       586722.41   4093426.55       33.34132  (19121808)                586757.41
4093426.55       34.06763  (19121808)
       586792.41   4093426.55       34.88502  (19121808)                586827.41
4093426.55       35.63538  (19121808)
       586862.41   4093426.55       36.38922  (19121808)                586897.41
4093426.55       37.08596  (19121808)
       586932.41   4093426.55       37.65678  (19121808)                586967.41
4093426.55       38.41555  (19120408)
       587002.41   4093426.55       40.88000  (15020908)                587037.41
4093426.55       42.75989  (15020908)
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       587072.41   4093426.55       44.30592  (15020908)                587107.41
 4093426.55       45.86202  (15020908)
       587177.41   4093426.55       49.11833  (15020908)                587212.41
 4093426.55       50.73879  (15020908)
       587247.41   4093426.55       54.36782  (17120408)                587282.41
 4093426.55       58.11980  (17120408)
       587317.41   4093426.55       61.50797  (17120408)                587352.41
 4093426.55       64.07943  (17120408)
       587387.41   4093426.55       67.11677  (17120408)                587422.41
 4093426.55       70.15676  (17120408)
       587457.41   4093426.55       72.14303  (17120408)                587492.41
 4093426.55       90.66319  (15021808)
       586687.41   4093461.55       31.18990  (19121808)                586722.41
 4093461.55       31.74761  (19121808)
       586757.41   4093461.55       32.40484  (19121808)                586792.41
 4093461.55       32.95921  (19121808)
       586827.41   4093461.55       33.47811  (19121808)                586862.41
 4093461.55       33.90312  (19121808)
       586897.41   4093461.55       34.39463  (19120408)                586932.41
 4093461.55       35.24180  (19120408)
       587002.41   4093461.55       38.15503  (15020908)                587037.41
 4093461.55       39.97972  (15020908)
       587072.41   4093461.55       41.40245  (15020908)                587107.41
 4093461.55       42.75806  (15020908)
       587142.41   4093461.55       44.13963  (15020908)                587177.41
 4093461.55       45.52053  (15020908)
       587212.41   4093461.55       46.88561  (15020908)                587247.41
 4093461.55       48.65362  (17120408)
       587282.41   4093461.55       52.48412  (17120408)                587352.41
 4093461.55       58.61535  (17120408)
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:20:07

                                  PAGE 185
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  OFFSITEW ***
                                INCLUDING SOURCE(S):     L0001140    , L0001141
 , L0001142    , L0001143    , L0001144    ,
                 L0001145    , L0001146    , L0001147    , L0001148    , L0001149
 , L0001150    , L0001151    , L0001152    ,
                 L0001153    , L0001154    , L0001155    , L0001156    , L0001157
 , L0001158    , L0001159    , L0001160    ,
                 L0001161    , L0001162    , L0001163    , L0001164    , L0001165
 , L0001166    , L0001167    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
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***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
587387.41	4093461.55	61.26032	(17120408)	587422.41	4093461.55	63.60315	(17120408)
587457.41	4093461.55	65.29130	(17120408)	586652.41	4093496.55	29.30013	(19121808)
586687.41	4093496.55	29.69239	(19121808)	586722.41	4093496.55	30.17624	(19121808)
586757.41	4093496.55	30.62352	(19121808)	586792.41	4093496.55	30.93596	(19121808)
586827.41	4093496.55	31.22800	(19120408)	586897.41	4093496.55	32.58996	(19120408)
586932.41	4093496.55	33.22743	(19120408)	587002.41	4093496.55	35.75960	(15020908)
587107.41	4093496.55	40.08926	(15020908)	587142.41	4093496.55	41.28743	(15020908)
587177.41	4093496.55	42.47501	(15020908)	587212.41	4093496.55	43.64593	(15020908)
587247.41	4093496.55	44.79854	(15020908)	587282.41	4093496.55	47.41975	(17120408)
587352.41	4093496.55	53.53112	(17120408)	587387.41	4093496.55	56.00860	(17120408)
587422.41	4093496.55	58.19151	(17120408)	587457.41	4093496.55	59.91774	(17120408)
587492.41	4093496.55	60.33600	(17120408)	586652.41	4093531.55	27.97644	(19121808)
586687.41	4093531.55	28.23058	(19121808)	586722.41	4093531.55	28.53494	(19121808)
586757.41	4093531.55	28.68860	(19120408)	586792.41	4093531.55	29.23335	(19120408)
586827.41	4093531.55	29.79127	(19120408)	586862.41	4093531.55	30.33592	(19120408)
586897.41	4093531.55	30.82480	(19120408)	586932.41	4093531.55	31.34504	(18122508)
586967.41	4093531.55	32.02605	(18122508)	587002.41	4093531.55	33.62873	(15020908)
587037.41	4093531.55	35.39429	(15020908)	587072.41	4093531.55	36.66913	(15020908)
587107.41	4093531.55	37.76383	(15020908)	587142.41	4093531.55	38.82470	(15020908)
587177.41	4093531.55	39.86332	(15020908)	587212.41	4093531.55	40.88443	(15020908)
587247.41	4093531.55	41.87976	(15020908)	587282.41			

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
                                 INCLUDING SOURCE(S):   L0001049   , L0001050
 , L0001051   , L0001052   , L0001053   ,
                L0001054   , L0001055   , L0001056   , L0001057   , L0001058
 , L0001059   , L0001060   , L0001061   ,
                L0001062   , L0001063   , L0001064   , L0001065   , L0001066
 , L0001067   , L0001068   , L0001069   ,
                L0001070   , L0001071   , L0001072   , L0001073   , L0001074
 , L0001075   , L0001076   , . . .   ,

                                    *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                 ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 - - -

587457.41 4092866.55 247.09535 (15021608) 586897.41 4092901.55 325.58825 (15120708)
586932.41 4092901.55 332.51523 (18012908) 586967.41 4092901.55 339.50912 (15013008)
587002.41 4092901.55 345.67524 (19020708) 587037.41 4092901.55 372.87329 (15021208)
587072.41 4092901.55 406.13969 (19011508) 587107.41 4092901.55 460.57786 (19011508)
587142.41 4092901.55 617.53627 (19012908) 587177.41 4092901.55 514.58404 (15022608)
587247.41 4092901.55 309.36058 (18010308) 587317.41 4092901.55 276.65371 (15021708)
587352.41 4092901.55 254.41523 (16120608) 587387.41 4092901.55 239.50442 (16011808)
587457.41 4092901.55 207.46084 (19121008) 587492.41 4092901.55 253.92934 (15120808)
586897.41 4092936.55 411.62936 (19120208) 586932.41 4092936.55 396.64077 (15120708)
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587107.41 4092971.55 652.39692 (16121508) 587177.41 4092971.55 477.68410 (15022608)
587212.41 4092971.55 405.69068 (18010308) 587247.41 4092971.55 372.53887 (19011108)
587282.41 4092971.55 354.08366 (15021708) 587317.41 4092971.55 319.97690 (16011808)
587352.41 4092971.55 295.44114 (15021608) 587387.41 4092971.55 268.56867 (19121008)
587422.41 4092971.55 245.29500 (18012508) 587492.41 4092971.55 267.02951 (16022408)
586827.41 4093006.55 241.52525 (18022108) 586862.41 4093006.55 286.00885 (18022108)

4093041.55 691.04463 (19022708)
587177.41 4093041.55 603.49939 (15022608) 587212.41
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4093111.55 781.39703 (15022508)
587142.41 4093111.55 759.67281 (15022608) 587177.41
4093111.55 721.61281 (16022508)
587212.41 4093111.55 581.92109 (15021608) 587282.41
4093111.55 575.36260 (16022408)
587317.41 4093111.55 486.62943 (15011908) 587352.41
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587457.41 4093111.55 303.96868 (19020108) 587492.41
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586792.41 4093146.55 219.17985 (18022108) 586827.41
4093146.55 237.22678 (18022108)
586862.41 4093146.55 263.65187 (18022108) 586897.41

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 4093146.55      292.78247  (19011608)
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 4093146.55      384.71752  (19011608)
       587002.41   4093146.55      460.24671  (16011508)                587037.41
 4093146.55      601.26123  (19013008)
       587212.41   4093146.55      665.20403  (17101908)                587247.41
 4093146.55      492.06546  (16022408)
       587282.41   4093146.55      554.52572  (17020808)                587352.41
 4093146.55      514.58821  (16021108)
       587387.41   4093146.55      446.93664  (16021508)                587422.41
 4093146.55      391.04703  (16021508)
       587457.41   4093146.55      347.36613  (16021508)                587492.41
 4093146.55      315.94822  (16021508)
       586757.41   4093181.55      208.29802  (18122008)                586792.41
 4093181.55      225.67852  (18122008)
       586827.41   4093181.55      243.99964  (18122008)                586862.41
 4093181.55      271.58635  (18122008)
       586897.41   4093181.55      309.66276  (18122008)                586932.41
 4093181.55      355.36293  (18022108)
       586967.41   4093181.55      416.83172  (18022108)                587002.41
 4093181.55      511.62787  (19121208)
       587037.41   4093181.55      680.88307  (19121208)                587212.41
 4093181.55      563.00397  (15011908)
       587247.41   4093181.55      453.91867  (19020108)                587282.41
 4093181.55      390.57895  (16021508)
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:20:07

                                  PAGE 188
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                INCLUDING SOURCE(S):     L0001049    , L0001050
 , L0001051    , L0001052    , L0001053    ,
                 L0001054    , L0001055    , L0001056    , L0001057    , L0001058
 , L0001059    , L0001060    , L0001061    ,
                 L0001062    , L0001063    , L0001064    , L0001065    , L0001066
 , L0001067    , L0001068    , L0001069    ,
                 L0001070    , L0001071    , L0001072    , L0001073    , L0001074
 , L0001075    , L0001076    ,  . . .      ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **
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X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
587317.41	4093181.55	390.88205	(15020508)	587352.41	4093181.55	487.39667	(17020808)
587457.41	4093181.55	493.81797	(18021408)	587492.41	4093181.55	398.33517	(16021508)
586757.41	4093216.55	217.46243	(18122008)	586792.41	4093216.55	234.77722	(18122008)
586827.41	4093216.55	258.61084	(18122008)	586862.41	4093216.55	292.30985	(18122008)
586897.41	4093216.55	333.11311	(18122008)	586932.41	4093216.55	382.65839	(18122008)
586967.41	4093216.55	449.26087	(18122008)	587002.41	4093216.55	563.51104	(18122409)
587037.41	4093216.55	830.35016	(18122409)	587212.41	4093216.55	532.30787	(16021508)
587247.41	4093216.55	435.88661	(16021508)	587282.41	4093216.55	370.23943	(16021508)
587317.41	4093216.55	323.33773	(18021408)	587352.41	4093216.55	288.60774	(15020508)
587387.41	4093216.55	354.62196	(15020508)	587422.41	4093216.55	437.90508	(17020808)
587457.41	4093216.55	506.03350	(16022608)	586757.41	4093251.55	210.34767	(17122108)
586792.41	4093251.55	228.83507	(17122108)	586827.41	4093251.55	254.34611	(17122108)
586862.41	4093251.55	292.05077	(17011808)	586897.41	4093251.55	340.63044	(17011808)
586932.41	4093251.55	401.36781	(17011808)	586967.41	4093251.55	482.82654	(17011808)
587002.41	4093251.55	622.76439	(18122409)	587177.41	4093251.55	667.72642	(17121308)
587212.41	4093251.55	495.93986	(16022608)	587247.41	4093251.55	405.16132	(17021008)
587282.41	4093251.55	345.02483	(17021008)	587317.41	4093251.55	300.06837	(18020508)
587352.41	4093251.55	263.44466	(18020508)	587387.41	4093251.55	239.99397	(15020508)
587422.41	4093251.55	266.24835	(15020508)	587457.41	4093251.55	290.67637	(17020808)
587492.41	4093251.55	315.63425	(17020808)	586722.41	4093286.55	199.99599	(17011808)
586757.41	4093286.55	220.37564	(17011808)	586792.41	4093286.55	243.59437	(17011808)
586827.41	4093286.55	273.75495	(17011808)	586862.41	4093286.55	314.54598	(17011808)
586897.41	4093286.55	359.31879	(17011808)	586932.41	4093286.55	416.94470	(17011808)

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       586967.41   4093286.55      496.88161  (17011808)                587002.41
 4093286.55      682.86953  (15022308)
       587107.41   4093286.55      925.43965  (15011309)                587177.41
 4093286.55      625.08743  (17120408)
       587212.41   4093286.55      482.73941  (15120208)                587247.41
 4093286.55      394.99833  (17020808)
       587282.41   4093286.55      332.56466  (16022608)                587317.41
 4093286.55      294.18232  (17021008)
       587352.41   4093286.55      263.52175  (17021008)                587387.41
 4093286.55      235.35309  (17021008)
       587422.41   4093286.55      215.34810  (17021008)                587457.41
 4093286.55      215.61304  (15020508)
       587492.41   4093286.55      226.57403  (16010408)                586722.41
 4093321.55      206.33336  (17011808)
       586757.41   4093321.55      221.77757  (17011808)                586792.41
 4093321.55      240.89745  (17011808)
       586827.41   4093321.55      264.45491  (17011808)                586862.41
 4093321.55      295.10310  (17011808)
       586897.41   4093321.55      326.87283  (17011808)                586932.41
 4093321.55      390.62339  (15022308)
       586967.41   4093321.55      532.65978  (19121808)                587072.41
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       587107.41   4093321.55      779.82006  (15020908)                587177.41
 4093321.55      622.37662  (17120408)
       587212.41   4093321.55      454.34490  (15120208)                587247.41
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       587282.41   4093321.55      328.21307  (17020808)                587317.41
 4093321.55      289.20554  (17020808)
       587352.41   4093321.55      250.75957  (17020808)                587387.41
 4093321.55      225.54717  (16022608)
       587422.41   4093321.55      205.95803  (17021008)                587457.41
 4093321.55      190.90362  (17021008)
       587492.41   4093321.55      186.41640  (16010408)                586722.41
 4093356.55      190.46153  (17011808)
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:20:07

                                  PAGE 189
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     L0001049    , L0001050
 , L0001051    , L0001052    , L0001053    ,
                  L0001054    , L0001055    , L0001056    , L0001057    , L0001058
 , L0001059    , L0001060    , L0001061    ,
                  L0001062    , L0001063    , L0001064    , L0001065    , L0001066
 , L0001067    , L0001068    , L0001069    ,
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                L0001070    , L0001071    , L0001072    , L0001073    , L0001074
 , L0001075    , L0001076    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        586757.41   4093356.55      198.87460  (17011808)               586792.41
 4093356.55      209.37234  (17011808)
        586827.41   4093356.55      222.50918  (17011808)               586862.41
 4093356.55      268.57105  (15022308)
        586897.41   4093356.55      342.68084  (19121808)               586932.41
 4093356.55      437.48760  (19121808)
        586967.41   4093356.55      553.60541  (19120408)               587037.41
 4093356.55      617.79059  (16120208)
        587072.41   4093356.55      653.53425  (15020908)               587107.41
 4093356.55      651.96449  (15020908)
        587212.41   4093356.55      428.75167  (17120408)               587247.41
 4093356.55      358.78155  (15120208)
        587282.41   4093356.55      315.20633  (15120208)               587317.41
 4093356.55      275.91963  (16010408)
        587352.41   4093356.55      251.07346  (17020808)               587387.41
 4093356.55      228.54422  (17020808)
        587422.41   4093356.55      206.41786  (17020808)               587457.41
 4093356.55      187.74422  (17020808)
        587492.41   4093356.55      203.37594  (15021908)               586687.41
 4093391.55      155.74395  (17011808)
        586722.41   4093391.55      158.43597  (17011808)               586757.41
 4093391.55      166.06941  (15022308)
        586792.41   4093391.55      200.29345  (15022308)               586827.41
 4093391.55      247.15072  (19121808)
        586862.41   4093391.55      302.28953  (19121808)               586897.41
 4093391.55      363.66416  (19121808)
        586932.41   4093391.55      426.79886  (19120408)               586967.41
 4093391.55      587.01892  (19120408)
        587037.41   4093391.55      517.59132  (19010908)               587072.41
 4093391.55      519.01402  (15020908)
        587107.41   4093391.55      559.54258  (15020908)               587177.41
 4093391.55      496.84143  (17120408)
        587212.41   4093391.55      429.13419  (17120408)               587247.41
 4093391.55      314.30214  (17120408)
        587282.41   4093391.55      294.76860  (15120208)               587317.41
 4093391.55      267.32408  (15012708)
        587352.41   4093391.55      241.34648  (16010408)               587387.41
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4093391.55   220.41999 (16010408)
       587422.41   4093391.55   204.14537 (17020808)   586687.41
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       586722.41   4093426.55   159.77844 (15022308)   586757.41
4093426.55   189.76595 (19121808)
       586792.41   4093426.55   227.14313 (19121808)   586827.41
4093426.55   267.26440 (19121808)
       586862.41   4093426.55   307.18285 (19121808)   586897.41
4093426.55   345.03215 (19120408)
       586932.41   4093426.55   442.13553 (19120408)   586967.41
4093426.55   646.87642 (18122508)
       587002.41   4093426.55   542.73999 (19010908)   587037.41
4093426.55   431.89376 (19010908)
       587072.41   4093426.55   437.42241 (15020908)   587107.41
4093426.55   479.73540 (15020908)
       587177.41   4093426.55   408.11964 (17111508)   587212.41
4093426.55   400.44836 (17120408)
       587247.41   4093426.55   327.82080 (17120408)   587282.41
4093426.55   250.09908 (15120208)
       587317.41   4093426.55   249.95672 (15012708)   587352.41
4093426.55   232.24541 (15012708)
       587387.41   4093426.55   211.61766 (15012708)   587422.41
4093426.55   198.47201 (16010408)
       587457.41   4093426.55   182.07032 (16010408)   587492.41
4093426.55   198.67453 (17121208)
       586687.41   4093461.55   153.03520 (19121808)   586722.41
4093461.55   178.83821 (19121808)
       586757.41   4093461.55   208.38248 (19121808)   586792.41
4093461.55   237.59657 (19121808)
       586827.41   4093461.55   263.86185 (19121808)   586862.41
4093461.55   288.61812 (19120408)
       586897.41   4093461.55   352.83426 (19120408)   586932.41
4093461.55   433.10665 (18122508)
       587002.41   4093461.55   443.96059 (19010908)   587037.41
4093461.55   361.67584 (19010908)
       587072.41   4093461.55   380.77817 (15020908)   587107.41
4093461.55   415.37152 (15020908)
       587142.41   4093461.55   381.32074 (15011309)   587177.41
4093461.55   362.62514 (17111508)
       587212.41   4093461.55   350.37904 (17120408)   587247.41
4093461.55   323.55154 (17120408)
       587282.41   4093461.55   257.65142 (17120408)   587352.41
4093461.55   215.61624 (15012708)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0001049 , L0001050 , L0001051 , L0001052 , L0001053 , L0001054 , L0001055 , L0001056 , L0001057 , L0001058 , L0001059 , L0001060 , L0001061 , L0001062 , L0001063 , L0001064 , L0001065 , L0001066 , L0001067 , L0001068 , L0001069 , L0001070 , L0001071 , L0001072 , L0001073 , L0001074 , L0001075 , L0001076 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
587387.41	4093461.55	207.78050	(15012708)	587422.41	4093461.55	192.35485	(15012708)
587457.41	4093461.55	178.38353	(16010408)	586652.41	4093496.55	146.76002	(19121808)
586687.41	4093496.55	167.79075	(19121808)	586722.41	4093496.55	190.46510	(19121808)
586757.41	4093496.55	212.56629	(19121808)	586792.41	4093496.55	230.00501	(19121808)
586827.41	4093496.55	248.08275	(19120408)	586897.41	4093496.55	338.65109	(19120408)
586932.41	4093496.55	464.47536	(18122508)	587002.41	4093496.55	368.87060	(19010908)
587107.41	4093496.55	364.22958	(15020908)	587142.41	4093496.55	334.57743	(15011309)
587177.41	4093496.55	321.61423	(17111508)	587212.41	4093496.55	295.06428	(17120408)
587247.41	4093496.55	302.47974	(17120408)	587282.41	4093496.55	263.52907	(17120408)
587352.41	4093496.55	182.10511	(15012708)	587387.41	4093496.55	188.67502	(15012708)
587422.41	4093496.55	185.06368	(15012708)	587457.41	4093496.55	174.85688	(15012708)
587492.41	4093496.55	161.75862	(15012708)	586652.41	4093531.55	158.08143	(19121808)
586687.41	4093531.55	174.88857	(19121808)	586722.41	4093531.55	190.85271	(19121808)
586757.41	4093531.55	202.36604	(19121808)	586792.41	4093531.55	217.45870	(19120408)

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       586827.41   4093531.55      251.91427  (19120408)                586862.41
 4093531.55      279.51602  (19120408)
       586897.41   4093531.55      339.47013  (18122508)                586932.41
 4093531.55      400.39575  (16120208)
       586967.41   4093531.55      412.68433  (19010908)                587002.41
 4093531.55      312.84532  (19010908)
       587037.41   4093531.55      281.18723  (18020908)                587072.41
 4093531.55      303.45667  (15020908)
       587107.41   4093531.55      323.27849  (15020908)                587142.41
 4093531.55      298.05834  (15011309)
       587177.41   4093531.55      285.74781  (17111508)                587212.41
 4093531.55      258.52135  (17111508)
       587247.41   4093531.55      271.15198  (17120408)                587282.41
 4093531.55      257.78022  (17120408)
       587317.41   4093531.55      217.26783  (17120408)                587352.41
 4093531.55      178.35439  (17010908)
       587387.41   4093531.55      159.90829  (15012708)                587422.41
 4093531.55      167.30729  (15012708)
       587457.41   4093531.55      166.50996  (15012708)                587492.41
 4093531.55      159.85619  (15012708)
 *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:20:07

                                  PAGE 191
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                      *** THE SUMMARY OF MAXIMUM PERIOD ( 43824
HRS) RESULTS ***


                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
              **


                       NETWORK
GROUP ID                      AVERAGE CONC                RECEPTOR  (XR, YR,
ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

ONSITE    1ST HIGHEST VALUE IS      43.24604 AT (  587107.41,  4093286.55,
8.56,     8.56,    0.00)  DC
          2ND HIGHEST VALUE IS      29.30609 AT (  587107.41,  4093321.55,
8.60,     8.60,    0.00)  DC
          3RD HIGHEST VALUE IS      27.07934 AT (  587072.41,  4093321.55,
8.73,     8.73,    0.00)  DC
          4TH HIGHEST VALUE IS      24.27796 AT (  587177.41,  4093251.55,
8.06,     8.06,    0.00)  DC
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          5TH HIGHEST VALUE IS      21.35979 AT (  587177.41,  4093286.55,
8.23,     8.23,    0.00)  DC
          6TH HIGHEST VALUE IS      16.98545 AT (  587177.41,  4093321.55,
8.40,     8.40,    0.00)  DC
          7TH HIGHEST VALUE IS      14.83224 AT (  587107.41,  4093356.55,
8.65,     8.65,    0.00)  DC
          8TH HIGHEST VALUE IS      12.62914 AT (  587037.41,  4093216.55,
8.61,     8.61,    0.00)  DC
          9TH HIGHEST VALUE IS      11.47955 AT (  587072.41,  4093356.55,
8.86,     8.86,    0.00)  DC
         10TH HIGHEST VALUE IS      10.93726 AT (  587212.41,  4093251.55,
8.31,     8.31,    0.00)  DC

OFFSITEO  1ST HIGHEST VALUE IS      21.91726 AT (  587107.41,  4093111.55,
8.30,     8.30,    0.00)  DC
          2ND HIGHEST VALUE IS      20.48240 AT (  587142.41,  4093006.55,
7.29,     7.29,    0.00)  DC
          3RD HIGHEST VALUE IS      17.73569 AT (  587037.41,  4093216.55,
8.61,     8.61,    0.00)  DC
          4TH HIGHEST VALUE IS      17.00857 AT (  587037.41,  4093356.55,
9.16,     9.16,    0.00)  DC
          5TH HIGHEST VALUE IS      16.86956 AT (  587002.41,  4093426.55,
9.56,     9.56,    0.00)  DC
          6TH HIGHEST VALUE IS      15.77965 AT (  587142.41,  4093041.55,
7.75,     7.75,    0.00)  DC
          7TH HIGHEST VALUE IS      15.37856 AT (  586967.41,  4093426.55,
9.39,     9.39,    0.00)  DC
          8TH HIGHEST VALUE IS      15.18920 AT (  587002.41,  4093461.55,
9.68,     9.68,    0.00)  DC
          9TH HIGHEST VALUE IS      13.12197 AT (  587037.41,  4093391.55,
9.22,     9.22,    0.00)  DC
         10TH HIGHEST VALUE IS      12.56728 AT (  587072.41,  4093076.55,
8.14,     8.14,    0.00)  DC

OFFSITEW  1ST HIGHEST VALUE IS      22.11319 AT (  586932.41,  4093006.55,
7.84,     7.84,    0.00)  DC
          2ND HIGHEST VALUE IS      21.29227 AT (  587177.41,  4093111.55,
7.84,     7.84,    0.00)  DC
          3RD HIGHEST VALUE IS      20.45116 AT (  587282.41,  4093146.55,
8.49,     8.49,    0.00)  DC
          4TH HIGHEST VALUE IS      19.79393 AT (  587247.41,  4093146.55,
8.17,     8.17,    0.00)  DC
          5TH HIGHEST VALUE IS      19.47563 AT (  587037.41,  4093041.55,
8.05,     8.05,    0.00)  DC
          6TH HIGHEST VALUE IS      18.93150 AT (  587002.41,  4093041.55,
8.04,     8.04,    0.00)  DC
          7TH HIGHEST VALUE IS      17.94985 AT (  587317.41,  4093181.55,
7.98,     7.98,    0.00)  DC
          8TH HIGHEST VALUE IS      16.77038 AT (  587422.41,  4093216.55,
8.74,     8.74,    0.00)  DC
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          9TH HIGHEST VALUE IS      16.28260 AT (  587072.41,  4093076.55,
8.14,     8.14,    0.00)  DC
         10TH HIGHEST VALUE IS      15.20525 AT (  587142.41,  4093111.55,
8.26,     8.26,    0.00)  DC

ALL       1ST HIGHEST VALUE IS      52.53808 AT (  587107.41,  4093286.55,
8.56,     8.56,    0.00)  DC
          2ND HIGHEST VALUE IS      40.88783 AT (  587107.41,  4093111.55,
8.30,     8.30,    0.00)  DC
          3RD HIGHEST VALUE IS      39.12991 AT (  587072.41,  4093321.55,
8.73,     8.73,    0.00)  DC
          4TH HIGHEST VALUE IS      37.09543 AT (  587107.41,  4093321.55,
8.60,     8.60,    0.00)  DC
          5TH HIGHEST VALUE IS      33.51757 AT (  587142.41,  4093111.55,
8.26,     8.26,    0.00)  DC
          6TH HIGHEST VALUE IS      33.28602 AT (  587177.41,  4093111.55,
7.84,     7.84,    0.00)  DC
          7TH HIGHEST VALUE IS      32.68424 AT (  587037.41,  4093216.55,
8.61,     8.61,    0.00)  DC
          8TH HIGHEST VALUE IS      31.85507 AT (  587072.41,  4093076.55,
8.14,     8.14,    0.00)  DC
          9TH HIGHEST VALUE IS      31.08700 AT (  587177.41,  4093251.55,
8.06,     8.06,    0.00)  DC
         10TH HIGHEST VALUE IS      27.97433 AT (  587142.41,  4093041.55,
7.75,     7.75,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
↟ *** AERMOD - VERSION 22112  ***   *** C:\Lakes\AERMOD View\908 Ocean_Cons\908
Ocean_Cons.isc               ***        03/20/24
 *** AERMET - VERSION  21112 ***   ***
                       ***        17:20:07

                                  PAGE 192
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                                *** THE SUMMARY OF HIGHEST  1-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
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ME W187   2033   MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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   ************************************
   *** AERMOD Finishes Successfully ***
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Appendix D

Cultural Resources Technical Reports

Pacific Legacy Historic Preservation
Bay Area Division
900 Modoc Street
Berkeley, CA 94707

Phone: 510.524.3991
Fax: 510.524.4419
www.pacificlegacy.com

July 2, 2024

Bill Wiseman
Kimley-Horn
824 Bay Avenue, Suite 10
Capitola, CA 95010

RE: 908 OCEAN STREET REDEVELOPMENT, SANTA CRUZ, CALIFORNIA UPDATED EVALUATION OF 13 BUILT ENVIRONMENT RESOURCES

Dear Mr. Wiseman:

INTRODUCTION
High Street Residential is proposing the 905 Ocean Street Redevelopment Project (Project) in Santa Cruz, California. The Project is a mixed-use development of retail and residential units on 4.4 acres. The Project is required to get permits from the City of Santa Cruz (the City), which is the CEQA Lead. The Project location is depicted on Attachment 1. Figures 1 and 2.

This letter report has been prepared to supplement previous cultural resources studies prepared for the Project. The previous studies include *Historic Evaluations for the Properties within the Ocean Street Project in the City of Santa Cruz* (Cartier 2019); *908 Ocean Street Redevelopment, Santa Cruz, CA, Final Peer Review of Historic Evaluation Report by Others* (Bergstein 2023a); and *Historic Evaluation for 902 Ocean St., Santa Cruz, CA, APN. 008-331-45* (Bergstein 2023b). While each of these previous reports had their strong points, they lacked the following which are required to comply with the requirements of Section 106 of the National Historic Preservation Act (NHPA) and the California Environmental Quality Act (CEQA):

- A resources location map
- A Project Area or area of potential effects (APE) map
- A historical context within which to evaluate the resources for the National Register of Historic Places (NRHP) and California Register of Historic Resources (CRHR)
- A more detailed evaluation of the resources within the Project Area for potential eligibility for the NRHP/CRHR under all four criteria, but with a focus on more fully addressing Criteria 1/A and 2/B (which were given only cursory attention in prior reporting)

This letter report provides these missing pieces and rounds out the evaluations of the built environment resources within the current Project Area.

PROJECT DESCRIPTION
The Project consists of Residential and Non-Residential Demolition Authorization Permits, Heritage Tree Removal Permit, Minor Land Division, Design Permit, Special Use Permit, and Density Bonus Request to demolish four commercial buildings (15,433 square feet) and 12 residential structures, remove 16 heritage trees, and construct a mixed-use development in three condominium lots with 389 residential units and 9,570 square feet of commercial space. The Project is requesting a 42.5% density bonus from a base density project of 273 units.

The Project would include three buildings – Building A (433,585 gross square feet t [sf]), a five-story building with basement (garage parking), and two three-story buildings (Building B [62,952 gross sf] and Building C [46,260 gross sf]). Residential uses are proposed on all floors except in the below grade parking garage. The proposed commercial space is located on the ground floor. Residential amenities are proposed on the ground floor.

The proposed 389 residential units consist of 46 studio units, 206 one-bedroom units, 120 two-bedroom units, 15 three-bedroom units, and two four-bedroom units. Proposed residential amenities, totaling 12,236 sf, include a resident co-workspace, fitness gym, lounge, and club room (located on the first, second, and fifth floors). An outdoor pool for residents is proposed on the second-floor courtyard of Building A.

The commercial space, totaling 9,570 sf, is proposed on the ground floor of Building A fronting Ocean Street. Existing commercial uses on the Project site total approximately 14,965 sf, and thus, the Project would result in a net decrease in 5,395 sf of commercial space. The Project consists of two commercial spaces on both sides of the Building A main entrance. No specific commercial uses have been identified at this time.

Twenty-one existing parcels would be combined into one parcel, totaling 4.15-acres. Each of the three proposed buildings would be on a separate condominium lot; the total number of lots will be four (three condominium lots and one common lot) that comprises the proposed Minor Land Division.

The Project site currently contains four commercial structures and 12 residential structures that total 30,550 square feet (sf) with associated surface parking, all of which would be demolished.

REGULATORY CONTEXT

Federal Regulations

Section 106 of the NHPA requires federal agencies to consider the effects of the undertaking on historic properties and to afford the Advisory Council on Historic Preservation a reasonable opportunity to comment on any undertaking that would adversely affect properties eligible for listing in NRHP. The lead Federal agency has not been designated at this time.

Section 106 of the NHPA prescribes at 36 C.F.R. § 800.5 specific criteria for determining whether a project would have an adverse effect on a historic property, if any such properties exist in the "area of potential effects," *see id.* § 800.16(d), as defined by the agency. An impact is considered adverse when prehistoric or historic archaeological sites, structures, districts, or objects listed in or eligible for listing in the NRHP are subjected to the following effects:

- physical destruction of or damage to all or part of the property;
- alteration of a property;
- removal of the property from its historic location;
- change of the character of the property's use or of physical features within the property's setting that contribute to its historic significance;
- introduction of visual, atmospheric, or audible elements that diminish the integrity of the property's significant historic features;
- neglect of a property that causes its deterioration; and
- transfer, lease, or sale of the property.

Because the proposed action constitutes a federal undertaking that requires compliance with Section 106 of the NHPA, federal significance criteria apply. For federally permitted projects, cultural resource significance is evaluated in terms of eligibility for listing in the NRHP.

National Register of Historic Places
The NRHP was established by the NHPA of 1966, as "an authoritative guide to be used by federal, state, and local governments, private groups and citizens to identify the nation's historic resources and to indicate what properties should be considered for protection from destruction or impairment" (CFR 36 Section 60.2). The NRHP recognizes properties that are significant at the national, state, and local levels.

To be eligible for listing in NRHP, a resource must be significant in American history, architecture, archaeology, engineering, or culture. Districts, sites, buildings, structures, and objects of potential significance must meet one or more of the following four established criteria:

A. Property is associated with events that have made a significant contribution to the broad patterns of our history.
B. Property is associated with the lives of persons significant in our past.
C. Property embodies the distinctive characteristics of a type, period, or method of construction or represents the work of a master, or possesses high artistic values, or represents a significant and distinguishable entity whose components lack individual distinction.
D. Property has yielded, or is likely to yield, information important to prehistory or history.

Unless the property possesses exceptional significance, it must be at least fifty years old to be eligible for NRHP listing.

In addition to meeting the criteria of significance, a property must have historic integrity. Integrity is defined as "the ability of a property to convey its significance." The NRHP recognizes seven qualities that, in various combinations, define integrity. To retain historic integrity a property must possess several, and usually most, of these seven aspects. Thus, the retention of the specific aspects of integrity is paramount for a property to convey its significance. The seven factors that define integrity are location, design, setting, materials, workmanship, feeling, and association. Since integrity is based on a property's or resource's significance within a specific historic context, an evaluation of integrity can only occur after historic significance has been established.

State Regulations
Because the proposed Project must comply with CEQA, an impact is considered significant if a project would have result in a substantial adverse change to the significance of a historical resource (Public Resources Code (PRC) Section 21084.1). Demolition, replacement, substantial alteration, and relocation of historical resources are actions that would change the significance of properties determined significant. In the event that cultural resources in the project area cannot be avoided, a determination will need to be made as to the significance of each cultural resource with reference CEQA Guidelines as defined in Section 15064.5(a).

A basis for defining the significance of historical resources under CEQA is found at PRC 5024.1, Title 14 CCR Section 4850.3. CRHR is established, "to identify the state's historical resources and indicate what properties are to be protected, to the extent prudent and feasible, from substantial adverse change." Historical resources may be listed in the CRHR if they meet the eligibility criteria for listing in the register as defined at PRC 5024.1, Title 14 CCR Section 4850.3. According to CEQA Guidelines Section 15064.5(a) (3), "Generally, a resource shall be considered by the lead agency to be

"historically significant" if the resource has integrity and meets at least one of the criteria for listing in CRHR as follows:

1. It is associated with events that have made a significant contribution to the broad patterns of local or regional history, or the cultural heritage of California's history or the United States; or
2. It is associated with lives of persons important to local, California, or national history; or
3. It embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of a master, or possesses high artistic values; or
4. It has yielded, or has the potential to yield, information important to the prehistory or history of the local area, California, or the nation."

Historical resources automatically listed in the CRHR include those historic properties listed in, or formally determined eligible for, the NRHP.

City of Santa Cruz Municipal Code (SC)

The designation and treatment of historic properties is codified in the City of Santa Cruz Municipal Code, *Chapter 24.12 – Community Design, Part Five: Historic Preservation (Municipal Code Sections 24.12.400 – 24.12.450)* (City of Santa Cruz 2003). Historic resources must meet the criteria of the National Register, California Register, or City of Santa Cruz Historic Preservation criteria. The City's Historic Preservation criteria are located in *Chapter 24.12.440 - Santa Cruz Historic Building Survey*, and are the following:

The property is either a building, site, or object that is:

SC-1. Recognized as a significant example of the cultural, natural, archaeological, or built heritage of the city, state, or nation; and/or
SC-2. Associated with a significant local, state, or national event; and/or
SC-3. Associated with a person or persons who significantly contributed to the development of the city, state, or nation; and/or
SC-4. Associated with an architect, designer, or builder whose work has influenced the development of the city, state, or nation; and/or
SC-5. Recognized as possessing special aesthetic merit or value as a building with quality of architecture and that retains sufficient features showing its architectural significance; and/or
SC-6. Recognized as possessing distinctive stylistic characteristics or workmanship significant for the study of a period, method of construction, or use of native materials; and/or
SC-7. Retains sufficient integrity to accurately convey its significance.

HISTORICAL CONTEXT

The Project is located in the traditional territory of the Native American group commonly known as the Ohlone. However, since the known resources within the Project Area date to the historic-era, the following context focuses on that period.

Spanish/Mexican Era

The first Spanish exploration of the area was led by Gaspar de Portola in 1769, while he was looking for Monterey Bay. In 1791, Mission Santa Cruz was established at the bottom of what is now Mission Hill. It flooded each year for the next three years, leading the padres to relocate to a spot on higher ground along what is now Water Street in the City.

In 1797, *Villa de Branciforte* was established by the Spanish government as a secular settlement. The government felt the pueblo was needed strengthen their claim to California after incursions into the regions by other European powers, specifically by Russia. The villa was located across the San Lorenzo River, less than a mile from the Mission. The original main thoroughfare through Branciforte is now North Branciforte Avenue in the City.

In 1821 Mexico gained independence from Spain, shifting governance of the region to the new nation. Initially little changed in California, which was still considered a frontier, even in relation to Mexico. However, starting in 1833 the Mexican government began secularizing the missions, intending to shift ownership of the missions and their lands to the Native Californians. While this did happen to a certain extent, the larger shift was the establishment of ranchos through land grants. Most of these went to people of European descent rather than the native peoples. Between 1833 and 1846 no less than 21 land grants were made in what is now Santa Cruz County. Two of these ranchos were completely within the modern City boundaries. Rancho Potrero Y Rincon de San Pedro Regalado was located north of Mission Hill and consisted mostly of flat, river-bottom used as pasture-land. Rancho Tres Ojos de Agua was on the west side. Three other ranchos fell partially within the modern City limits: *Rancho Refugio* on the west, *Rancho Carbonera* on the north, and *Rancho Arroyo del Rodeo* on the east. The economy of the ranchos was almost completely based on cattle ranching for the hide and tallow trade.

American Period

Through the 1840s, California remained a frontier of Mexico, with only a small population of non-Native settlers. In 1846, war broke out between Mexico and the US. Little actual fighting occurred in California, and the war concluded in 1848 with California in US hands. Coincidentally, gold was discovered in the Sierra Foothills that same year. The following year saw a massive influx of would-be miners to the state. The population and wealth of the state grew so rapidly that California was granted statehood within two years of becoming part of the US. Santa Cruz County was established as one of the original counties in the new state.

In 1850, Santa Cruz County had a (non-Native) population of only 643 people (Martin 1911:31). However, some of the new immigrants flooding into the state chose to seek their fortunes near the coast rather than toiling away in the goldfields. Villa de Branciforte and adjacent ranchos proved an enticing location for some. The coastal village had a decent natural harbor for maritime transport, in a state nearly completely devoid of transportation infrastructure. The harbor also gave villagers access to the rich marine resources of the adjacent Monterey Bay, which became famous for its sardine fishery. The mild climate and rich soil in the area made agriculture an attractive pursuit. The nearby mountains held extensive stands of redwood around which an extensive lumber industry developed (O'Hare and Berry 2002:19-28). The region held other natural resources, including limestone, which soon proved to be important to the development of the local economy (Martin 1911:31-40).

By 1866 enough people had settled in the area that the environs of the former Villa de Branciforte were incorporated as the town of Santa Cruz (Martin 1911:71). The growth of the community, however, was slow during the rest of the nineteenth century. The economy of the town was tied closely to agricultural pursuits in the county, which gradually shifted from cattle and grain to horticulture, especially growing fruit (Martin 1911:103). The local economy was augmented by the timber industry, a pursuit that came to the forefront with the construction of railroads into the mountains. In 1875, the Santa Cruz and Felton Railroad (SC&FRR) connected Santa Cruz to Felton, providing ready transport for lumber generated from the redwoods in the Felton area to the Santa Cruz Wharf for shipment abroad. Around that same time, the Santa Cruz Railroad (SCRR) linked Santa Cruz with the Southern Pacific line at Pajaro, which allowed rail shipment of lumber and other goods to other parts of the country (Whaley 2021:2, 10). The other significant industry in and

around Santa Cruz was the lime production, which exploited the extensive lime deposits in the region. The lime was processed in kilns to form the primary ingredient of cement and concrete (Hyde 2019; Meniketti 2008).

As early as 1849, Santa Cruz had a wharf . Initially used for shipping produce and later for shipping lime, this wharf stood until destroyed by a storm in 1907. A second wharf was constructed in 1856 and lengthened in 1863. In 1875, this newer extended wharf was purchased by the railroad, which laid tracks to the end of the structure allowing for direct transfer of goods from the trains to waiting ships. The functions of the two wharfs changed over the years serving for the shipment of goods, as landings for fishing boats and passenger vessels, various industrial plants, and ultimately entertainment (Gibson 1994).

Towards the end of the nineteenth century entertainment, recreation, and tourism became increasingly important to the local economy. It began with the construction of public bathhouses in the middle of the century, drawing bathers to the City's beaches, followed by shops, and restaurants catering to the bathers. By the end of the century, the famous boardwalk entertainment center and casino were in the works. The piers also provided facilities for recreational boaters and sport fishing. Hotels and later motels were constructed to house the summer throngs that regularly migrated to the ocean front (O'Hare and Berry 2002:59-70).

Historical Development of the Project Area

The Project Area is situated on former Mission lands, specifically the SE ¼ of the SE ¼ of Section 12, Township 11 South, Range 2 West (*see* Attachment 1. Figure 1). Unfortunately, the records for who owned, occupied, or otherwise used the land between the secularization of the Mission (1834), and the late 1800s are opaque. Various individuals filed patents with the US government for land that may overlap with the Project Area, but the patent descriptions are not clear as to who acquired what land. These people included: Pedro Conservain (1858), Joseph Leedoe Alemany (1859), and William Bocee (1866/1873) (BLM-GLO 2024).

The population of Santa Cruz steadily rose until 1900. Between 1900 and 1910, however, the population nearly doubled leading to the rapid expansion of the City. Despite this steady nineteenth century growth, prior to the 1890s, there was very little development east of the San Lorenzo River, in the vicinity of the Project Area. Up to at least 1888, most of the Project Area was used as a nursery. This included a singular residence facing Ocean Street at roughly the middle of the block, as well as an outhouse, several green houses, a shed, and other unidentified structures (Sanborn Map Publishing Co. 1888:Sheet 15). By 1892, the nursery was gone, and the Project Area block began to fill in with wood-framed residential buildings (Sanborn-Perris Map Co. 1892: Sheets 15 and 21). By 1905, the block had become a well-established residential neighborhood, with wood-framed residential structures filling in most of the available lots. The exception to this were the lots facing May Avenue (then known as Santa Cruz Street), which remained mostly vacant (Sanborn Map Co. 1905).

Architectural Setting

Most of the structures in the Project Area (eight of the 13) date to the original period of development within the block, with estimated dates of construction ranging from circa 1878 to circa 1908. All are residential and most are either Queen Anne-style (four in total) or Neoclassical-style (three in total) homes. Queen Anne-style homes have no actual connections to the reign of Queen Anne, rather it was established *circa* 1876 during the Victorian-era. Queen Anne-style structures have been described as:

> Significant characteristics include a complex plan, asymmetrical facade, irregular massing, turrets, porches, wings, pinnacles, and prominent decorated chimneys. The building was surfaced with a variety of materials, often with thin clapboard on the first floor, and "fishscale" or other patterned shingle siding on the gables. Ornament was fussy, of small scale, and sometimes classical. Bay windows, with plate or leaded glass, were common. Gable ends were elaborately decorated. It was an exuberant style creating a feeling of complex ornateness (Frank Lloyd Wright Trust 2024).

In contrast, Neoclassical architecture was much simpler:

> They [Neoclassical structures] show none of the tendency to multiply angles and projections that marks the latter style [Beaux-Arts Classism]; broad expanses of plain wall surface are common; roof lines, when not level, are quiet and unbroken by sculptural incidents…windows and doorways are linteled rather than arched; pedimented and porticoes are frequent features. Coupled columns are not used Whiffen 1999:167).

There is also one later California ranch-style (ranch) residence within the Project Area. California architect Cliff May (1909–1989) is often credited with the first modern ranch, built in San Diego in 1932. Consciously re-interpreting the ranchos of the mid-nineteenth century, May was one of several architects who developed and promoted this style. The low houses followed the contours of the land, often enclosing a courtyard or patio with carefully planned views of nature. Floorplans were open, always with a family room, generally with an integrated garage. Other typical characteristics of the style included a low roof and deep eaves, being built of local materials (wood, stucco, brick, or stone), and constructed in a fashion anonymous to the street (with a flat façade, covered entry at grade, and few streetside windows), but open to gardens in the back (McAlester and McAlester 1991:479).

Following World War II and the completion of State Highway One, the rise of automobile tourism transformed Ocean Street into a multi-lane arterial lined with restaurants and hotels serving tourists driving to the Santa Cruz Beach Boardwalk and beaches (Chase 2005:28; O'Hare and Berry 2002:48-49). During this period other architectural styles came into their own as well, prominent among these was mid-century modern. This style emphasized creating structures with numerous large windows and open floorplans, with the intention of opening up interior spaces and bringing the outdoors in. Many mid-century structures used exposed post and beam architectural that eliminated bulky support walls further opening-up the floorplan. Function was as important as form in many mid-century designs. This architectural style was employed in both residential and commercial structures, including the restaurant at 902 Ocean Street (see more below).

The historical importance of architecture in Santa Cruz is underscored by not only the City's cultural resources ordinances, but by the multiple studies conducted and volumes produced documenting the architecture of the city (Archives and Architecture 2013; Chase 2005; Chase et al. 1989; Charles Hall Page and Associates 1979). Most important among these are three surveys of the City which highlighted the "best examples" of the various styles of architecture represented here (Archives and Architecture 2013; Chase et al. 1989; Charles Hall Page and Associates 1979). It should be noted that none of the best examples of the various architectural types identified in these studies fall within the Project Area.

RESOURCE DESCRIPTIONS

The Project Area includes standing structures on 13 separate parcels. These are summarized below in Table 1. Further details concerning these properties are provided in the following text. Most of

the data presented in this section is borrowed from the several previous cultural resources documents prepared for this Project (Bergstein 2023a, 2023b; Cartier 2019). It has been compiled and expanded upon here. The locations of the properties are depicted by address on Attachment 1 Figure 3.

Table 1. Properties located within the Project Area

Address	APN	Buildings on Parcel
902 Ocean St.	008-331-45	C-1960 Mid-Century Commercial Restaurant
908 Ocean St.	008-331-25	Empty
912 Ocean St.	008-331-26	Empty
916 Ocean St.	008-331-27	Empty
920 Ocean St.	008-331-28	C-1945 Commercial building
928 Ocean St.	008-331-29	C-1905 Neoclassical bungalow
1004 Ocean St.	008-331-30	C-1908 Neoclassical bungalow
1008 Ocean St.	008-331-31	C-1895 Queen Anne Victorian house
1010 Ocean St.	008-331-32	C-1890 Vernacular Queen Anne house
1014 Ocean St.	008-331-41	C-1890 Queen Anne Victorian house
126 Hubbard St.	008-331-03	Empty
130 Hubbard St.	008-331-04	C-1878 Folk Victorian house
417 May Ave.	008-331-15	Empty
421 May Ave.	008-331-14	Empty
423 May Ave.	008-331-13	C-1957 California ranch house
429 May Ave.	008-331-12	C-1960 Kiosk, no foundation
431 May Ave.	008-331-35	C-1906 Queen Anne Victorian house
435 May Ave.	008-331-08	Empty
449 May Ave.	008-331-07	Empty
451 May Ave.	008-331-06	C-1906 Queen Anne Victorian house
457 May Ave.	008-331-05	C-1958 Commercial building

902 Ocean Street (APN 008-331-45)

Description

The site contains a commercial restaurant building constructed circa 1960 in the mid-century Modern style by the A&W Root Beer Company. The building has a double-pitched hipped roof, a continuous band of aluminum-framed windows and stucco building walls. A flat-roofed, attached dining area has been added to the rear of the building (east elevation) (Bergstein 2023b).

Lot/Building History

The subject building was constructed circa 1960 for the A&W Root Beer Company as one of their chain of fast-food restaurants. The building was later owned and/or operated by other restaurant chains (Bergstein 2023b). It is presently a Togo's sandwich restaurant. It should be pointed out here, that a volume dedicated the history of the restaurant industry in the area, *Lost Restaurants of Santa Cruz County* (Pollock 2020), took no note of this establishment.

920 Ocean Street (APN 008-331-28)

Description

The site contains a circa 1945 wood-framed commercial building and small shed. The commercial building is in fair condition, with multiple additions in massing, window modifications, and cladding modifications. The stucco-clad, Spanish Colonial Revival storefront has undergone window and

door modifications. Analysis of Sanborn maps from 1928-1950 indicates that the building expanded to the east and connected to existing buildings at the rear of the lot (Cartier 2019b).

Lot/Building History
Earlier in this parcel's history it was the location of a wood-framed residential structure. Circa 1945, the residence was demolished or otherwise removed from the parcel and the current structure was erected. In 1949, Frank J. Brick and Wendell Van Houten opened Van Houten and Brick, a milling and building materials supply business. This business operated here until 1982 (Cartier 2019b).

Wendell Van Houten (1903-1985) was born in Nebraska and graduated from the University of California, Berkeley in 1924. He moved to Santa Cruz in 1925 and worked for various building materials supply companies including the Santa Cruz Lumber Company, until opening his own operation in 1949. Van Houten and Brick remained in business until Van Houten's retirement in 1982. Van Houten belonged to various local clubs and was considered an antique firearms expert (Cartier 2019b).

Frank John Brick (1910-1972) was born in Idaho, graduated from Redwood City High School in 1929, and moved to Santa Cruz, where he also worked for the Santa Cruz Lumber Company in the 1930s. His affiliations include member of the Santa Cruz City Police Reserve and Chairman of the Santa Cruz Employers Council. While it appears Frank J. Brick led a successful career in the building supply trade, he was only locally known within the trades (Cartier 2019b).

928 Ocean Street (APN 008-331-29)
Description
The site contains a circa-1905 wood-framed house designed in Neoclassical-style. It is in fair condition, with modifications installed onto the front (west) elevation, including fenestration and cladding modifications; and replaced porch stairs, porch rails, and building entry. The rear elevation has been altered with the addition of a dormer that changed the roofline and modifications to the fenestration and an entrance (Cartier 2019c).

Lot/Building History
Primary owners of the parcel included:

- Bertram H. and Ida Izant (1905–1920); and
- Henry M. and Iowa Rees (1921–circa 1950).

Bertram Howard Izant (1878-1958) was born in England, immigrated to the US and arrived in Santa Cruz with his family in 1888. He attended high school in Santa Cruz and was later employed at a number of local businesses including C.D. Hinkle's grocery store, Henry Heath's sheet metal business, and Byrne Brothers Hardware store where he ultimately became a partner. He later left that position to form a plumbing and sheet metal business with George Wilson. He was a member of the Free Masons as well as the Order of the Eastern Star (*Santa Cruz Sentinel*, August 26, 1958). His wife, Ida May Izant was involved in local clubs and volunteered for various local educational organizations. Henry M. Rees (1864-1954) was a Fresno rancher who retired in Santa Cruz in 1914, occupying the subject house with his daughter, Marie Rees Foote (Cartier 2019c).

1004 Ocean Street (APN 008-331-30)
Description
The circa-1908 wood-framed house was built in Neoclassical-style. It is in poor condition, with deflection of the porch columns and rails, and deteriorated wall and roof cladding. Modifications include replacement of window sash on the front and rear elevations, insertion of a second

entrance off the front porch, replacement of the porch rails and replacement of the porch stairs and stair rails (Cartier 2019d).

Lot/Building History
Primary owners of the parcel included:

- Herbert Olmstead (1918–1920), who occupied house briefly before relocating to Fresno;
- Charles J. Langrish (1927–1934), an awning maker who operated C.C. Langrish Awnings, he had moved to 224 May Avenue by the 1940s;
- Gino and Mary Reggiardo (1938-1948), Gino (1911-1978) was a warehouse worker for the Santa Cruz Farmer's Cooperative Exchange; and
- George H. and Mable Wave Wilson (circa 1950-1973): The ARM report (Cartier 2019d) lists George H. and Mable W. Wilson as the property owners. The owners did not occupy the subject property; and are listed as living at 55 Hollins Drive in Santa Cruz. George H. and Mable Wilson owned and operated Wilson's Plumbing, a plumbing and contracting firm in Santa Cruz (Cartier 2019d).

The two longest occupancy periods were by Gino and Mary Reggiardo and George H. and Mable W. Wilson. For the George H. and Mable W. Wilson period, the couple did not live in the subject residence, consequently the parcel and the structure are not directly associated with the couple as significant persons (Cartier 2019d).

1008 Ocean Street (APN 008-331-31)
Description
The subject building is a circa-1895 wood-framed house originally constructed in Queen Anne-style. It is in poor condition, and is highly altered with a substantial shed roofed, south-elevation addition clad in corrugated metal, stairs leading to an upper-floor side entrance and a first-floor, front elevation curved addition with paired windows, as well as stucco and faux-brick wall cladding. All original windows have been replaced in the original as well as new openings (Cartier 2019e).

Lot/Building History
Primary owners of the parcel included Edwin E. and Louise Jameson who resided here starting in 1920. Edwin E. Jameson is listed as a farmer in City directories. Later in his career, he appears to have become interested in buying and selling local real estate, based on announcements in the Santa Cruz Sentinel in the 1930s and 1940s. Edwin passed away in 1948 (*Santa Cruz Sentinel*, November 2, 1948), while Louise continued to reside at 1008 Ocean Street. In 1954, Louise remarried, this time to Charles Washburn (Ancestry.com 2024a). Louise passed away in 1958 and Charles passed away the following year (Ancestry.com 2024b). Neither Edwin, Louise, nor Charles appears to have had any children. The disposition of the parcel after the deaths of Louise and Charles is unknown (Cartier 2019e).

1010 Ocean Street (APN 008-331-32)
Description
The circa-1890 wood-framed house in the Vernacular Queen Anne-style. It is in poor condition, with modifications installed onto the front (west) elevation, including replaced window sash in the south bay. Based on the early Sanborn maps, the present porch replaced a wider front porch that extended to the north-elevation wall. The present shed-roofed porch has replaced front porch rails, stair rails and a replaced entry door. The rear elevation has been altered with a rear entrance addition. A small shed-roofed addition has been placed onto the south elevation (Cartier 2019f).

Lot/Building History
Primary owners of the parcel were:

- James L. Binney (1892–1918);
- Levi H. and Geneva A. Monroe (1921–1929); and
- Emmett C. Rittenhouse and Descendants, Ross R. and Roberta A. Rittenhouse (1929-1973) (Cartier 2019f).

James L. Binney (1869-1908) was born in Boston and traveled to Santa Cruz in 1889 to attend his brother's funeral. He is not listed in local City directories at the subject address. He died in Boston and does not appear to have lived at the house (Cartier 2019f).

Levi Homer Monroe (1847-1922) retired in Santa Cruz following a career in New York. His obituary does not list an occupation, however, since he and his wife, Geneva A. Monroe, were retired for their short period of occupancy (Cartier 2019f), his occupation is not relevant to his association with the resource.

Emmett C. Rittenhouse (1875-1948) was an attorney for Rittenhouse and Snyder, a law firm located at 116 Pacific Avenue in Santa Cruz. He did not reside at the subject address and rented the house as an investment property. He later deeded the parcel to his heirs, Ross R. and Roberta A. Rittenhouse. Emmett C. Rittenhouse was murdered by a client in 1948. Because he did not occupy the subject parcel and house, they are not directly associated with him (Cartier 2019f).

1014 Ocean Street (APN 008-331-41)
Description
The highly modified, circa-1890 wood-framed house was originally constructed in the Queen Anne-style as a gable-on-wing building with a front porch. It is in fair condition, with numerous modifications: an enclosed front porch; relocated entrance; new entry stairs and rails; fenestration modifications in original and new openings; and replaced sash in the original window openings (Cartier 2019g).

Lot/Building History
Primary owners of the parcel included:

- O.P., Peter, and John Swanson Family (1916–1945), who rented out the house in 1930s and 1940s; and,
- Henry and Edna C. Frey (1946–1973) (Cartier 2019g).

Swedish native O.P. Swanson was retired when he occupied the house in 1916. John Swanson (1863-1944) was an orchardist and farmer, having owned a number of properties, including a 25-acre apricot orchard and property on Ocean and Hubbard streets. John occupied the house 1918-1920. Peter Swanson is listed at the subject address in the 1920s. Local City directories list him as a teamster. While the Swanson family appear to have enjoyed successful careers, it did not make any significant contributions to national, California or Santa Cruz history (Cartier 2019g).

Local City directories list Henry Frey (1900-1974) as a maintenance worker and greens keeper at Pasatiempo Golf Club. His spouse, Edna Frey was a homemaker. Henry Frey served in the US Marine Corps in World War I and retired in 1965. The couple did not make any significant contributions to national, California or Santa Cruz history (Cartier 2019g).

130 Hubard Street (APN 008-331-04)

Description

The house is a circa-1878 wood-framed house designed in the Folk Victorian-style. It is in fair to poor condition, with multiple additions to the rear (south) elevation. The 1905 Sanborn map indicates a west-elevation porch, which has been removed. The Sanborn map also indicates a full-width front porch. Since the present porch is smaller and of early-twentieth century materials, it appears that the front porch was replaced with Colonial Revival columns and concrete stairs installed as a part of the early-twentieth century modifications. Additionally, window sash modifications have been installed at various locations (Cartier 2019h).

Lot/Building History

Primary owners of the parcel included:

- Stephen Howard and Mary Ann Hunt (1892–1918);
- Henry J. and Mary Schutter Family: (1925–1944); and,
- Harry L. and Beatrice Reid: (1947-1967) (Cartier 2019h).

Stephen H. Hunt (1866-1896) was a carpenter born in Maryland. He and his brother Crawford L. Hunt occupied the property before it was left to Mary Ann Hunt in 1897. Local City directories list her as a nurse living at the subject address until 1918. The Hunt family did not make any significant contributions to national, California or Santa Cruz history (Cartier 2019h).

Henry J. Schutter (1864-1954) was a cement worker living with his wife, Mary, at the subject address in the 1930s. An obituary was not found, but the couple does not appear to have made any significant contributions to national, California or Santa Cruz history (Cartier 2019h).

Harry L. Reid (1898-1974) was a native of Illinois and was first employed as an assistant resort manager at W.S. Van Winkle in Santa Cruz. Later he owned the Reid Gun and Cabinet shop at the subject address (Cartier 2019h).

423 May Avenue (APN 008-331-13)

Description

The subject house is a circa-1957 stucco-clad house constructed in the California ranch-style. It is in fair condition, with modifications installed onto the front (east) elevation, enclosure of the garage and conversion into living space and fenestration modifications, including replaced sash and a replaced entry door. A shed-roofed rear addition with corrugated roofing has been added (Cartier 2019i).

Lot/Building History

Primary owners of the parcel included:

- Nellie Tambellini (1959–1964); and,
- Lief Bang Van Loon Brothers Electrical Business Systems (1964–1973) (Cartier 2019i).

Nellie Tambellini (1920-1988) was born in California to Italian immigrant parents. She worked in the fruit packing industry and as a maid at the Silver Sands Motel. She apparently never married, nor had children, and seems to have lived with her parents well into adulthood. She did not make any significant contributions to national, California, or Santa Cruz history (Cartier 2019i).

Lief Bang Van Loon owned and operated Van Loon Brothers Electrical Business Systems at the subject parcel and structure (Cartier 2019i). No historical information could be located concerning Lief nor his electrical business.

429 May Avenue (APN 008-331-12)

Description

This mostly empty lot contains a circa-1960s, shed-roofed building constructed on the property line shared with 431 May Avenue. The structure is a modular design, used as a shelter for a parking attendant when the site was used as a parking lot in the 1960s (Cartier 2019j).

Lot/Building History

Based on the earlier Sanborn maps, the Pulisevich Fruit Drying and Packing Company occupied this large parcel on May Avenue (formerly Hunt Street). The Pulisevich family had been involved in the fruit packing and drying industry in Santa Cruz County since the 1890s. The family emigrated to the US from Austria. Father William Pulisevich's fruit packing business was based in Watsonville (Pajaronian, November 25, 1897). His son, Nicolas C. Pulisevich founded Nicolas C. Pulisevich and Sons, Fruit Drying and Packing, circa 1908. It was located on May Avenue (formerly Santa Cruz and later Hunt Street) on a large lot that contained the subject house (Evening Pajaronian, July 6, 1908). Interestingly, Nicolas was living in a house he rented at 375 Ocean Street (now 916 Ocean Street) on the opposite side of the block (Bureau of the Census 1910). Why he resided there and not at the residence located on this parcel at the time is unknown. However, by 1920 he and his family had moved to 32 Hunt Street (now May Street), which might be the same property (Bureau of the Census 1920). Nicolas' son Peter N. Pulisevich (1892-1968) attended high school in Santa Cruz and was employed with his family business (Cartier 2019k). The parcel was later used as a parking lot (Cartier 2019j).

431 May Avenue (APN 008-331-35)

Description

The site contains a circa-1906 wood-framed house in the Queen Anne-style and a three-bay, circa-1960 truck garage. The house is in poor condition. The building has been lifted, with a non-conforming unit installed on the first floor. New wood entry stairs leading up to the porch were also installed. The building has undergone numerous window and door modifications and the installation of a rear addition. The circa-1960 truck garage is a non-historic addition to the site (Cartier 2019k).

Lot/Building History

Primary owner of the parcel was N.C. Pulisevich and Sons, Fruit Packing (1908–1968). The Pulisevich family had been involved in the fruit packing and drying industry in Santa Cruz County since the 1890s. The family emigrated to the U.S. from Austria. Father William Pulisevich's fruit packing business was based in Watsonville (*Pajaronian,* November 25, 1897). His son, Nicolas C. Pulisevich founded Nicolas C. Pulisevich and Sons, Fruit Drying and Packing, circa 1908. It was located on May Avenue (formerly Santa Cruz and later Hunt Street) on a large lot that contained the subject house (*Evening Pajaronian*, July 6, 1908). Interestingly, Nicolas was living in a house he rented at 375 Ocean Street (now 916 Ocean Street) on the opposite side of the block (Bureau of the Census 1910). Why he resided there and not at the residence located on this parcel at the time is unknown. However, by 1920 he and his family had moved to 32 Hunt Street (now May Street), which might be the same property (Bureau of the Census 1920). Nicolas' son Peter N. Pulisevich (1892-1968) attended high school in Santa Cruz and was employed with his family business (Cartier 2019k).

451 May Avenue (APN 008-331-06)

Description

The circa-1906 wood-framed house was originally constructed in the Queen Anne-style. It is in poor condition, with a building lift and storage space created beneath the first floor. The lift necessitated

the construction of new porch stairs and rails. The building has also had a rear addition and window/door replacements. A small outbuilding is located northeast of the house (Cartier 2019l).

Lot/Building History
Primary owners of the parcel included:

- Joseph Mello (1918–1921): Laborer, occupied house for short time;
- William A. and Cora E. Fawcett (1921–1924): Carpenter; occupied house for a short time;
- S.S. (Seriano) and Mary Medina (1941–1946): Seriano, a Powder Mill employee, occupied the house with his wife for a short time; and
- Kazimir and Ruth Witwicki (1946–1973) (Cartier 2019l).

Kazimir Witwicki (1888-1948) was born in Poland and served in the US Armed Forces for 26 years. He retired to the subject house in 1948 and passed shortly thereafter. He left the house to his daughter, Ruth Witwicki. City directories list Ruth Witwicki as an unemployed widow who remained at the subject address until 1973. Her obituary did not list any significant accomplishments or professional affiliations (Cartier 2019l).

457 May Avenue (APN 008-331-05)

Description
The parcel contains a circa-1958 concrete-block commercial building constructed in the mid-century Modern-style. It is in good condition, with alterations to the front (east) elevation, including fenestration modifications and replaced entry doors. A north-elevation storage room was added adjacent to the house at 130 Hubbard Street (Carter 2019m).

Lot/Building History
Primary owners of the parcel were Moody J. and Beulah Wilbanks (1958–1973). Moody J. and Beulah Wilbanks owned and operated Wilbanks Electric Motor Service at the subject address. The couple lived at 431 May Avenue (house demolished) while operating their business. They sold the business to John W. Barnes in 1975 (Cartier 2019m).

RESOURCE EVALUATIONS

The following section provides evaluations of significance for the 13 buildings identified within the Project Area. The significance is based on whether the structure meets any of the criteria for potential eligible for the NRHP, CRHR, or the Santa Cruz's municipal code. For ease of comparison, this information is presented in the table format employed by Bergstein (2023a).

Table 2. Structure Evaluations

NRHP/CRHR/ Santa Cruz Municipal Code Criteria	Does Structure Meet Criteria	Evaluation Discussion
902 Ocean Street (APN 008-331-45)		
A/1/SC-2 (Event)	No	The building was originally constructed as an A&W Root Beer restaurant, part of the post-WWII expansion of fast-food restaurants. It is now in operation as a Togos restaurant. This simple structure is not associated with events important to local, regional, state, or national history.
B/2/SC-3 (Person)	No	The A&W restaurant was owned by a corporation, not an individual. It was not associated by a person who was prominent or important in local, regional, state, or national history.
C/3/SC-1, 4, 5, 6 (Architecture or Construction Method)	No	The subject building is a modest and altered example of a mid-century Modern-style commercial restaurant. One of the numerous A&W standardized architectural designs, the building form and design is common in California and does not represent an outstanding example of Modernist

NRHP/CRHR/ Santa Cruz Municipal Code Criteria	Does Structure Meet Criteria	Evaluation Discussion
		or Googie design. In addition, the building has been altered with fenestration modifications and building additions to the north and east elevations. In its present condition, the commercial building on the subject parcel is not an outstanding example of architectural design or construction methodology. The building is not the work of a master architect, nor does it possess high artistic value.
D/4	No	The structure has not yielded, nor is it likely to yield information important to prehistory or history.
		Summary: 902 Ocean Street does not appear to be an eligible property.
920 Ocean Street (APN 008-331-28)		
A/1/SC-2 (Event)	No	This parcel was used for residential purposes until the 1940s when the current commercial building was constructed. The existing structure has been used for various commercial purposes since that time, none of which have been notable in local, regional, state, or national history.
B/2/SC-3 (Person)	No	Historical research found the parcel was associated with Jeannette Agnes; Robert Henry Hamilton; Frank J. and Francis Louise Brick; and Wendell Van Houton. None of these persons were prominent in local, regional, state, or national history.
C/3/SC-1, 4, 5, 6 (Architecture or Construction Method)	No	The building is a mix of Spanish-Colonial-Revival and vernacular construction. Neither the architecture nor the materials nor method of construction are distinctive.
D/4	No	The structure has not yielded, nor is it likely to yield information important to prehistory or history.
		Summary: 920 Ocean Street does not appear to be an eligible property.
928 Ocean Street (APN 008-331-29)		
A/1/SC-2 (Event)	No	The house was constructed circa 1905 when Santa Cruz was experiencing rapid growth, one of many constructed between 1900 and 1910. It has been used as a residence throughout its history. It is not associated with any important events in local, regional, state, nor national importance.
B/2/SC-3 (Person)	No	The parcel and building have been associated with Bertrum H. and Ida Izart and Henry M. and Iowa Rees. None of these persons were prominent in local, regional, state, or national history.
C/3/SC-1, 4, 5, 6 (Architecture or Construction Method)	No	The house located here is of neo-classical-style, common at the time of its construction. Its style, materials and method of construction are not distinctive.
D/4	No	The structure has not yielded, nor is it likely to yield information important to prehistory or history.
		Summary: 928 Ocean Street does not appear to be an eligible property.
1004 Ocean Street (APN 008-331-30)		
A/1/SC-2 (Event)	No	The house was constructed circa 1908 when Santa Cruz was experiencing rapid growth, one of many constructed between 1900 and 1910. The parcel has been used for residential purposes since the construction of the house. It is not associated with any important events in local, regional, state, nor national importance.
B/2/SC-3 (Person)	No	The house was associated with residents Herbert Olmstead, Charles J. Langrish, Gino and Merry Reggiardo, and George H. and Mable Wave Wilson. None of these persons were prominent in local, regional, state, or national history.

NRHP/CRHR/ Santa Cruz Municipal Code Criteria	Does Structure Meet Criteria	Evaluation Discussion
C/3/SC-1, 4, 5, 6 (Architecture or Construction Method)	No	The house located here was constructed in the neo-classical-style, common at the time of its construction. Its style, materials and method of construction are not distinctive.
D/4	No	The structure has not yielded, nor is it likely to yield information important to prehistory or history.
		Summary: 1004 Ocean Street does not appear to be an eligible property.
1008 Ocean Street (APN 008-331-31)		
A/1/SC-2 (Event)	No	The parcel has been used for residential purposes since the house was constructed, circa 1888-95. It is not associated with any important events in local, regional, state, nor national importance.
B/2/SC-3 (Person)	No	The house was associated with residents Edwin E. and Louise Jameson and later Charles and Louise Washburn. None of these persons were prominent in local, regional, state, or national history.
C/3/SC-1, 4, 5, 6 (Architecture or Construction Method)	No	The house located here was constructed in the Queen Anne-style, common at the time of its construction. Its style, materials and method of construction are not distinctive.
D/4	No	The structure has not yielded, nor is it likely to yield information important to prehistory or history.
		Summary: 1008 Ocean Street does not appear to be an eligible property.
1010 Ocean Street (APN 008-331-32)		
A/1/SC-2 (Event)	No	The house was constructed circa 1890-92 as one of many new homes when San Cruz was beginning to expand east of the San Lorenzo River. It has been used as a residence throughout its history. It is not associated with any important events in local, regional, state, nor national importance.
B/2/SC-3 (Person)	No	Historical research found the parcel was associated with James L. Binney; Levi H. and Geneva A. Monroe; and Emmett C., Ross R., and Roberta A. Rittenhouse. None of these persons were prominent in local, regional, state, or national history.
C/3/SC-1, 4, 5, 6 (Architecture or Construction Method)	No	The house located here was constructed in the Queen Anne-style, common at the time of its construction. Its style, materials, and method of construction are not distinctive.
D/4	No	The structure has not yielded, nor is it likely to yield information important to prehistory or history.
		Summary: 1010 Ocean Street does not appear to be an eligible property.
1014 Ocean Street (APN 008-331-41)		
A/1/SC-2 (Event)	No	The parcel has been used for residential purposes since the house was constructed circa 1890. It is not associated with any important events in local, regional, state, nor national importance.
B/2/SC-3 (Person)	No	The parcel was associated with O.P., Peter, and John Swanson; Henry and Edna C. Frey; as well as a series of tenants when the house was used as a rental in the 1930s and 1940s. None of these persons were prominent in local, regional, state, or national history.
C/3/SC-1, 4, 5, 6 (Architecture or Construction Method)	No	The house located here was constructed in the Queen Anne-style, common at the time of its construction. Its style, materials, and method of construction are not distinctive.
D/4	No	The structure has not yielded, nor is it likely to yield information important to prehistory or history.
		Summary: 1014 Ocean Street does not appear to be an eligible property.
130 Hubbard Street (APN 008-331-04)		

NRHP/CRHR/ Santa Cruz Municipal Code Criteria	Does Structure Meet Criteria	Evaluation Discussion
A/1/SC-2 (Event)	No	The parcel has been used as a residence since the residence was constructed circa 1878. It is not associated with any important events in local, regional, state, nor national importance.
B/2/SC-3 (Person)	No	The parcel was primarily associated with Stephen Howard and Mary Ann Hunt, Henry J. and Mary Schutter Family, and Harry L. and Beatrice Reid. None of these persons were prominent in local, regional, state, or national history.
C/3/SC-1, 4, 5, 6 (Architecture or Construction Method)	Yes On a local level under criterions SC-4, 5, and 6	The house was constructed in the National Folk-style. The subject house has undergone alterations to its front porch, several rear additions and window sash replacements. However, given the building's age and rarity in Santa Cruz, the subject building is eligible for local listing as a rare example of the built heritage of Santa Cruz.
D/4	No	The structure has not yielded, nor is it likely to yield information important to prehistory or history.
Summary: 130 Hubbard Street appears to be eligible on a local level under Criteria SC-4, 5, 6.		
423 May Avenue (APN 008-331-13)		
A/1/SC-2 (Event)	No	The parcel has been used for residential purposes since the house was constructed circa 1957. It is not associated with any important events in local, regional, state, nor national importance.
B/2/SC-3 (Person)	No	The house was associated with Nellie Tambellini and later Lief Bang Van Loon Brothers Electrical Business Systems. None of these persons were prominent in local, regional, state, or national history.
C/3/SC-1, 4, 5, 6 (Architecture or Construction Method)	No	The house located here was constructed in the California ranch-style, common at the time of its construction. Its style, materials, and method of construction are not distinctive.
D/4	No	The structure has not yielded, nor is it likely to yield information important to prehistory or history.
Summary: 423 May Avenue does not appear to be an eligible property.		
429 May Avenue (APN 008-331-12)		
A/1/SC-2 (Event)	No	The structure is on a parcel once owned by the Pulisevich Fruit Drying and Packing Company. The structure's style, however, indicates that it likely post-dates their ownership of the parcel. It appears to be associated with the later use of the parcel as a parking lot. The structure does not appear to be associated with important events in local, regional, state, nor national importance.
B/2/SC-3 (Person)	No	The structure is on a parcel once owned by the Pulisevich Fruit Drying and Packing Company. However, the structure post-dates their ownership. It appears to be associated with the use of the parcel as a parking lot. The structure does not appear to be associated with persons prominent in local, regional, state, or national history.
C/3/SC-1, 4, 5, 6 (Architecture or Construction Method)	No	The vernacular structure located here has a shed roof and no foundation. It includes no distinctive architectural details and was built with methods and materials common to the era during which it was constructed (1960s).
D/4	No	The structure has not yielded, nor is it likely to yield information important to prehistory or history.
Summary: 429 May Avenue does not appear to be an eligible property.		
431 May Avenue (APN 008-331-35)		
A/1/SC-2 (Event)	No	The parcel has been used for residential purposes since the house was constructed circa 1906, one of numerous homes built as Santa Cruz rapidly

NRHP/CRHR/ Santa Cruz Municipal Code Criteria	Does Structure Meet Criteria	Evaluation Discussion
		expanded between 1900 and 1910. It is not associated with any important events in local, regional, state, nor national importance.
B/2/SC-3 (Person)	No	The house was constructed on land owned by the Pulisevich Fruit Drying and Packing Company. Archival research, however, did not identify the residents of the house. The house does not appear to be associated with persons prominent in local, regional, state, or national history.
C/3/SC-1, 4, 5, 6 (Architecture or Construction Method)	No	The house located here was constructed in the Queen Anne-style, common at the time of its construction. Its style, materials and method of construction are not distinctive.
D/4	No	The structure has not yielded, nor is it likely to yield information important to prehistory or history.
		Summary: 431 May Avenue does not appear to be an eligible property.
451 May Avenue (APN 008-331-06)		
A/1/SC-2 (Event)	No	The parcel has been used for residential purposes since the house was constructed circa 1906. It is not associated with any important events in local, regional, state, nor national importance.
B/2/SC-3 (Person)	No	The house was associated with Joseph Mello; William A. and Cora E. Fawcett; S.S. (Seriano) and Mary Medina; and Kazimir and Ruth Witwicki. None of these persons were prominent in local, regional, state, or national history.
C/3/SC-1, 4, 5, 6 (Architecture or Construction Method)	No	The house located here was constructed in the Queen Anne-style, common at the time of its construction. Its style, materials and method of construction are not distinctive.
D/4	No	The structure has not yielded, nor is it likely to yield information important to prehistory or history.
		Summary: 451 May Avenue does not appear to be an eligible property.
457 May Avenue (APN 008-331-05)		
A/1/SC-2 (Event)	No	The parcel has been used for commercial business since the building was constructed circa 1958. It is not associated with any important events in local, regional, state, nor national importance.
B/2/SC-3 (Person)	No	The building was primarily associated with Moody J. and Beulah Wilbanks. The pair were not prominent or significant in local, regional, state, or national history.
C/3/SC-1, 4, 5, 6 (Architecture or Construction Method)	No	The structure was built in mid-century Modern-style, common at the time of construction. Its style, materials and method of construction are not distinctive.
D/4	No	The structure has not yielded, nor is it likely to yield information important to prehistory or history.
		Summary: 457 May Avenue does not appear to be an eligible property.

CONCLUSIONS

As noted previously, three volumes of the Santa Cruz Historic Building Survey (Survey) have been completed, documenting the best examples of the various architectural styles present in the City. Bergstein (2023a) reviewed these volumes and concluded that the examples of the Neoclassical style and the Queen Anne style presented in those volumes maintain stronger historic integrity and appear to be in better condition than their counterparts within the proposed project area discussed above. The current author concurs with his recommendations. However, Bergstein indicated that examples of the earlier National Folk style, like that of 130 Hubbard St., are far rarer than the other two styles. Although the building at 130 Hubbard Street has been altered, Bergstein (2023a)

concluded that 130 Hubbard Street is historically significant at the local level under City of Santa Cruz Criteria SC-4, 5, and 6. The author concurs with this recommendation as well.

The three commercial buildings within the project are of fairly generic mid-twentieth century architectural styles. Two of these (902 Ocean Street and 457 May Avenue) have been heavily modified, retaining little of their original character. The third (429 May Avenue) is a simple temporary structure lacking any distinctive architectural style. None of these buildings appear to be significant.

There are 13 parcels with historic structures present within the Project Area. Only the structure located at 130 Hubbard Street appears to be eligible at a local level under Santa Cruz municipal code SC-4, 5, and 6. The remaining properties do not appear to be eligible for the NRHP, CRHR, nor to be significant under City of Canta Cruz municipal code, *Chapter 24.12 – Community Design, Part Five: Historic Preservation (Municipal Code Sections 24.12.400 – 24.12.450).*

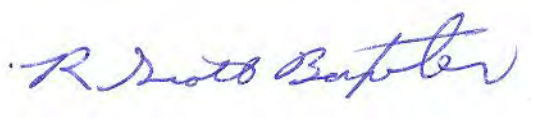
The Project would result in the demolition of one existing structure (130 Hubbard Street) that is considered a historical resource under CEQA as it is eligible for listing in the City's Historical Building Survey. Based on review by Pacific Legacy, this residential structure is eligible for inclusion in the City of Santa Cruz Historic Building Survey under Criteria SC-4, 5, and 6 as a good example of the National Folk style, characteristic of the middle-to-late 19th Century.

According to CEQA, a "project with an effect that may cause a substantial adverse change in the significance of an historic resource is a project that may have a significant effect on the environment." Substantial adverse change is defined as: "physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of an historic resource would be materially impaired." The significance of an historical resource is materially impaired when a project "demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance" and that justify or account for its inclusion in, or eligibility for inclusion in, the California Register. Thus, the Project would result in a substantial adverse change in the significance of the CEQA historical resources, due to demolition of the building in order to construct the Project.

According to the State CEQA Guidelines section 15064.5(b)(3), generally, a project that follows the Secretary of the Interior's Standards for the Treatment of Historic Properties with Guidelines for Preserving, Rehabilitating, Restoring, and Reconstructing Historic Buildings or the Secretary of the Interior's Standards for Rehabilitation and Guidelines for Rehabilitating Historic Buildings shall be considered as mitigated to a level of less than a significant impact on the historical resource. With designs that meet the Secretary of Interior's Standards, any impacts would be considered less-than-significant. In the present case, the buildings would be completely demolished and would not be restored or rehabilitated. Discussion of potential alternatives to preserve or restore the buildings is presented in Chapter 15 Alternatives.

Demolition of CEQA Historical Resources cannot be mitigated to a less-than-significant level, although mitigation measures can be required. Common mitigation measures for demolition consist of documentation of the resource, typically to the standards of the Historic American Buildings Survey (HABS) and/or interpretation that may include the installation of an interpretive display or video. Section 15126.4(b)(2) of the CEQA Guidelines is clear in this regard: "In some circumstances, documentation of an historical resource, by way of historic narrative, photographs or architectural drawings, as mitigation for the effects of demolition of the resource will not mitigate the effects to a point where clearly no significant effect on the environment would occur."

Sincerely,



R. Scott Baxter

Attachments

Attachment 1. Maps

Figure 1. Project Location and Vicinity Map
Figure 2. Project Area Map
Figure 3. Individual Properties within the Project Area

Attachment 2. Site Records

References Cited

Ancestry.com
2024a California, U.S., Marriage Index 1949-1959. Webpage: accessed April 18, 2024.
2024b California, U.S., Death Index, 1940-1997. Webpage: https://www.ancestry.com/discoveryui-content/view/7738550:5180, accessed 18 April 2024.

Archives and Architecture
2013 *Santa Cruz Historic Building Survey, Volume III*. Prepared by Archives and Architecture for the City of Santa Cruz.

Bergstein, Seth A.
2023a 908 Ocean Street Redevelopment, Santa Cruz, CA, Final Peer Review of Historic Evaluation Report by Others. Prepared by PAST Consultants LLC for Trammell Crow Company
2023b Historic Evaluation for 902 Ocean St., Santa Cruz, CA, APN. 008-331-45. Prepared by PAST Consultants LLC for Trammell Crow Company

BLM-GLO
2024 General Land Office land patents Section 12, Township 11 South, Range 2 West. Available at webpage: https://glorecords.blm.gov/results/default.aspx?searchCriteria=type=patent|st=CA|cty=087|twp_nr=11|twp_dir=S|rng_nr=2|rng_dir=W|sec=12|m=21|sp=true|sw=true|sadv=false, accessed 15 April 2024.

Bureau of the Census
1910 Federal Census-Population. Available at webpage: https://www.ancestry.com/discoveryui-content/view/1822036:7884?tid=&pid=&queryId=009c8a2f-eddb-419d-b7ad-8bb327478611&_phsrc=sob48&_phstart=successSource, accessed 18 April 2024.
1920 Federal Census-Population. Available at webpage: https://www.ancestry.com/discoveryui-content/view/62069550:6061, accessed 18 April 2024.

Cartier, Robert
2019a Historic Evaluations for the Properties within the Ocean Street Project in the City of Santa Cruz. Prepared by Archaeological Resource Management for SE-Santa Cruz LLC.
2019b 920 Ocean Street. DPR 523 Form on file with Pacific Legacy.
2019c 928 Ocean Street. DPR 523 Form on file with Pacific Legacy.
2019d 1004 Ocean Street. DPR 523 Form on file with Pacific Legacy.
2019e 1008 Ocean Street. DPR 523 Form on file with Pacific Legacy.
2019f 1010 Ocean Street. DPR 523 Form on file with Pacific Legacy.
2019g 1014 Ocean Street. DPR 523 Form on file with Pacific Legacy.
2019h 130 Hubbard Street. DPR 523 Form on file with Pacific Legacy.
2019i 423 May Avenue. DPR 523 Form on file with Pacific Legacy.
2019j 429 May Avenue. DPR 523 Form on file with Pacific Legacy.
2019k 431 may Avenue. DPR 523 Form on file with Pacific Legacy.
2019l 451 May Avenue. DPR 523 Form on file with Pacific Legacy.
2019m 457 May Avenue. DPR 523Form on file with Pacific Legacy.

Charles Hall Page and Associates, Inc.
1976 *Santa Cruz Historic Building Survey, Volume I*. Prepared by Charles Hall Page and Associates, Inc. for the City of Santa Cruz.

Chase, John Leighton,
2005 *The Sidewalk Companion to Santa Cruz Architecture*. Santa Cruz Museum of Art and History, Santa Cruz.

Chase, John, Daryl Allen, and Jeanne Gordon
1989 *Santa Cruz Historic Building Survey, Volume II*. Prepared for the City of Santa Cruz.

Frank Lloyd Wright Trust
2024 American Residential Architecture of the 19th and 20th Centuries. Available at webpage: https://brewminate.com/american-residential-architecture-of-the-19th-and-20th-centuries/, accessed 15 April 2024.

Gibson, Ross Eric
1994 The Santa Cruz Wharf. *San Jose Merucry News*, July 19.

Hyde, David G.
2019 Intra-Action, Emergence, and Community-Making in the Industrial Far West: Archaeological Investigations at a Santa Cruz County Lime Kiln, 1858-1909. Doctoral Dissertation submitted to the Department of Anthropology, U.C. Berkeley.

Martin, Edward
1911 *History of Santa Cruz County California with Biographical Sketches*. Historic Record Company, Los Angeles.

McAlester, Virginia and Less McAlester
1991 *A Field Guide to American Houses*. Alfred A. Knopf, New York.

Meniketti, Marco
2008 Shadow Industry: Illicit Folk Production in an 18th Century Lime Kiln. Paper presented at the Society for Industrial Archaeology Annual Conference, San Jose, CA.

O'Hare, Sheila and Irene Berry,
2002 *Images of America: Santa Cruz, California*. Arcadia Publishing, Mount Pleasant.

Pollock, Liz
2020 *Lost Restaurants of Santa Cruz County*. American Palate, Charleston.

Sanborn Map Publishing Co.
1888 Santa Cruz, California. Map available at webpage: https://www.loc.gov/resource/g4364sm.g4364sm_g008331888/?sp=1, accessed 15 April 2024.
1902 Santa Cruz, California. Map available at webpage: https://www.loc.gov/resource/g4364sm.g4364sm_g008331905/?sp=45&r=-0.155,0.472,0.949,0.593,0, accessed 15 April 2024.

Sanborn-Perris Map Co.
1892 Santa Cruz, California. Map available at webpage: https://www.loc.gov/resource/g4364sm.g4364sm_g008331892/?st=gallery, accessed 15 April 2024.

Santa Cruz, City of
2003 City of Santa Cruz Municipal Code, Chapter 24.12 – Community Design, Part Five: Historic Preservation (Municipal Code Sections 24.12.400 – 24.12.450). Available at webpage: https://www.cityofsantacruz.com/government/city-departments/planning-and-community-development/programs/historic-preservation-in-santa-cruz/historic-preservation-ordinances, accessed 6 May 2024.

Whaley, Derek R.
2021 *Santa Cruz Trains: Railroads of the Santa Cruz Mountains*. Santa Cruz Trains, Santa Cruz.

Whiffen, Marcus
1999 *American Architecture Since 1780*. The MIT Press, Cambridge.

ATTACHMENT 1. MAPS

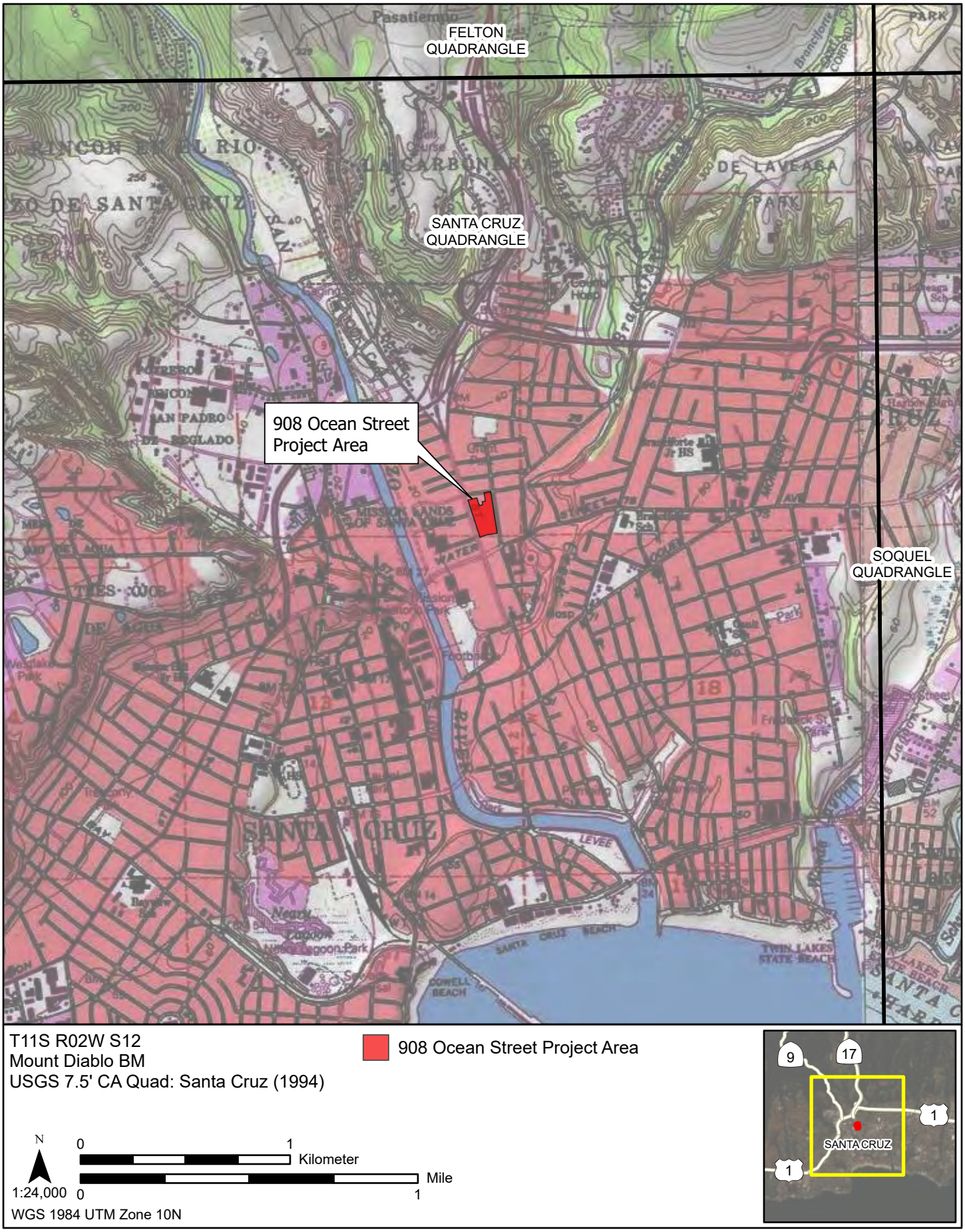


Figure 1. City of Santa Cruz - 908 Ocean Street Project Location and Vicinity Map



Figure 2. City of Santa Cruz - 908 Ocean Street Project Area Map

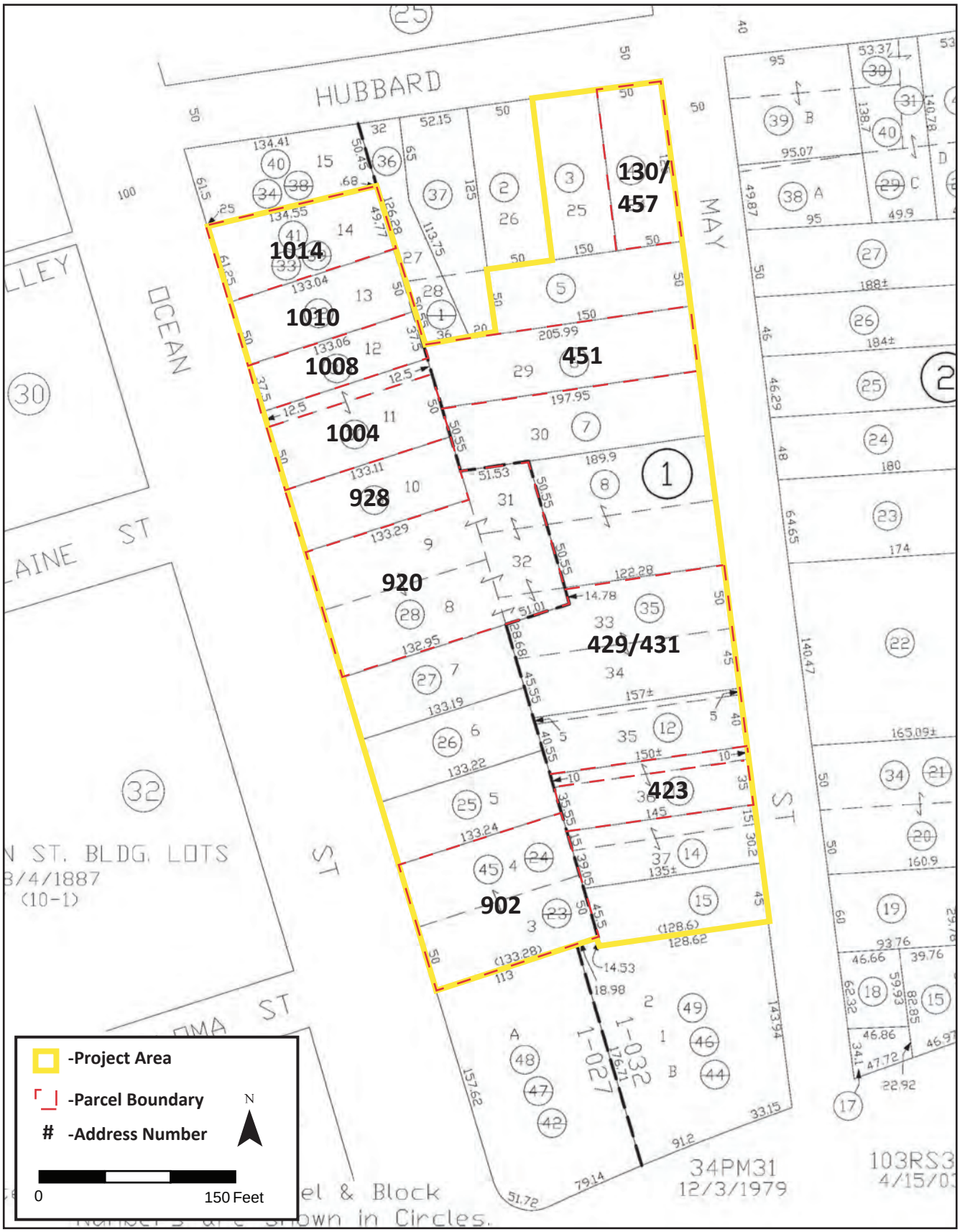


Figure 3. Individual Properties within Project Area.

ATTACHMENT 2. SITE RECORDS

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary # _____
HRI # _____
Trinomial _____
NRHP Status Code _____
Other Listings _____
Review Code _____ **Reviewer** _____ **Date** _____

Page _1_ **of** 13 **Resource Name or #** ___1014 Ocean Street___

P1. Other Identifier: _____ _____

P2. Location: ____ **Not for Publication** _x__ **Unrestricted** ***a. County** __Santa Cruz__

and (P2b and P2c or P2d. Attach a Location Map as necessary.)

***b. USGS 7.5' Quad:** Santa Cruz,CA **Date:** 2012 **T** ; **R** ; **1/4 of** **1/4 of Sec** ; **BM**

c. Address: 1014 Ocean Street **City:** Santa Cruz **Zip:** 95060

d. UTM: 10S 5 87 098mE/40 93 169mN

e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate)

APN: 008 331 41

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries.)

The structure at 1014 Ocean Street is a two story vernacular home in fair condition. The roof is front gabled on the main wing, with a hipped roof extending over the single story southern wing. Non-original composition shingles surface the entire roof. The eaves are narrow, with enclosed rafters. Exterior walls are surfaced with broad horizontal wooden siding. Fenestration is primarily wooden framed, in a double-hung sash configuration. The front entry features an unadorned doorway accessed by a set of wooden steps. The large front window appears to be non-original.

***P3b. Resource Attributes:** HP02 (Single Family Res)

***P4. Resources Present:** x Building __Structure __Object __District __Element of District __Site __Other

P5a. Photo or drawing (Photo required for buildings, structures, objects.)



P5b. Description of Photo: (View, date, accession #)
View of the front façade of 1014 Ocean Street

***P6. Date Constructed/Age and Sources**
Historic x Prehistoric Both
Constructed circa 1890.

***P7. Owner and Address:**
SE-Santa Cruz, LLC
1777 Saratoga Ave, Suite 210
San Jose, CA 95129

***P8. Recorded by:**
Robert Cartier
Archaeological Resource Management
496 North 5th Street
San Jose, CA 95112

***P9. Date Recorded:** 11/4/2019

***P10. Survey Type:** Intensive

***P11. Report Citation:** (Cite Survey Report and other sources, or enter "none.")
None

* Attachments: __None x Location Map __Sketch Map x Continuation Sheet x Building, Structure, and Object Record __Archaeological Record __District Record __Linear Feature Record __Milling Station Record __Rock Art Record __Artifact Record __Photographic Record __Other (List):

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

Primary # _____
HRI # _____

BUILDING, STRUCTURE, AND OBJECT RECORD

***NRHP Status Code** 1014 Ocean Street

***Resource Name or #** (Assigned by recorder) _____

B1. Historic Name: 403 Ocean Street

B2. Common Name: 1014 Ocean Street

B3. Original Use: Residential **B4. Present Use:** residential (rental)

***B5. Architectural Style:** Vernacular

***B6. Construction History:** (Construction date, alterations, and date of alterations)

Based upon visual evaluation and available documentation, the primary structure at 1014 Ocean Street was constructed Circa 1890. Modifications have been made to the structure including reroofing, replacement of some windows and doors, and additions to the rear of the residence.

***B7. Moved?** x **No** ___ **Yes** ___ **Unknown** **Date:** _____ **Original Location:** _____

***B8. Related Features:**

None.

B9a. Architect: unknown **b. Builder:** unknown

***B10. Significance: Theme** architecture and shelter **Area** Santa Cruz, CA

Period of Significance Horticulture **Property Type** private residential **Applicable Criteria** N/A

The land on which the subject structure now stands consists of Lot #14, as shown on the "Map of Building Lots on Ocean Street in Santa Cruz, laid out by Dwight Younglove," filed August 4, 1887 (Vol. 5 of Maps, Page 46). The subject structure appears to have been constructed circa 1890, and can be seen on the 1892 Sanborn Fire Insurance Map of the City of Santa Cruz. The earliest known occupant of the home was O. P. Swanson, who is listed at the property (then 403 Ocean Street) in 1916. In 1918 and 1920 the home was occupied by Peter Swanson. John Swanson is the listed occupant between 1922 and 1929. After this period the home appears to have functioned as a rental property for several years. On October 25, 1933 Swanson took out a mortgage on the property (Book 255 OR, Page 182). On April 2, 1936 John Swanson granted a small portion of the property to the State of California for the expansion of Ocean Street (Book 303 OR, Page 461). From 1934 to 1941 the home was occupied by Manuel Mendonca.

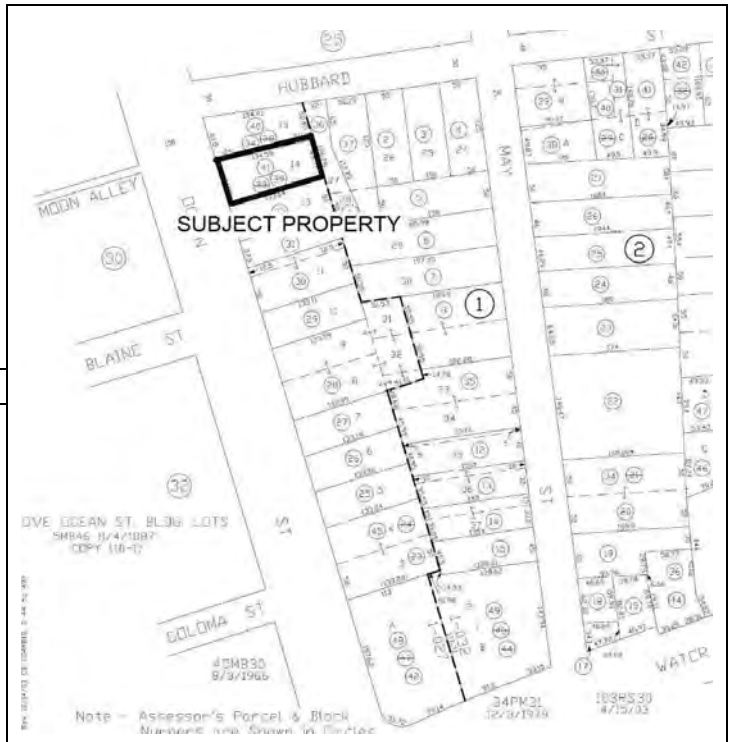
See Continuation Sheet, Page 4

B11. Additional Resource Attributes: (List attributes and codes) N/A

***B12. References:**

See Continuation Sheet, Page 7

B13. Remarks:



***B14. Evaluator:** Robert R. Cartier

***Date of Evaluation:** 11/4/2019

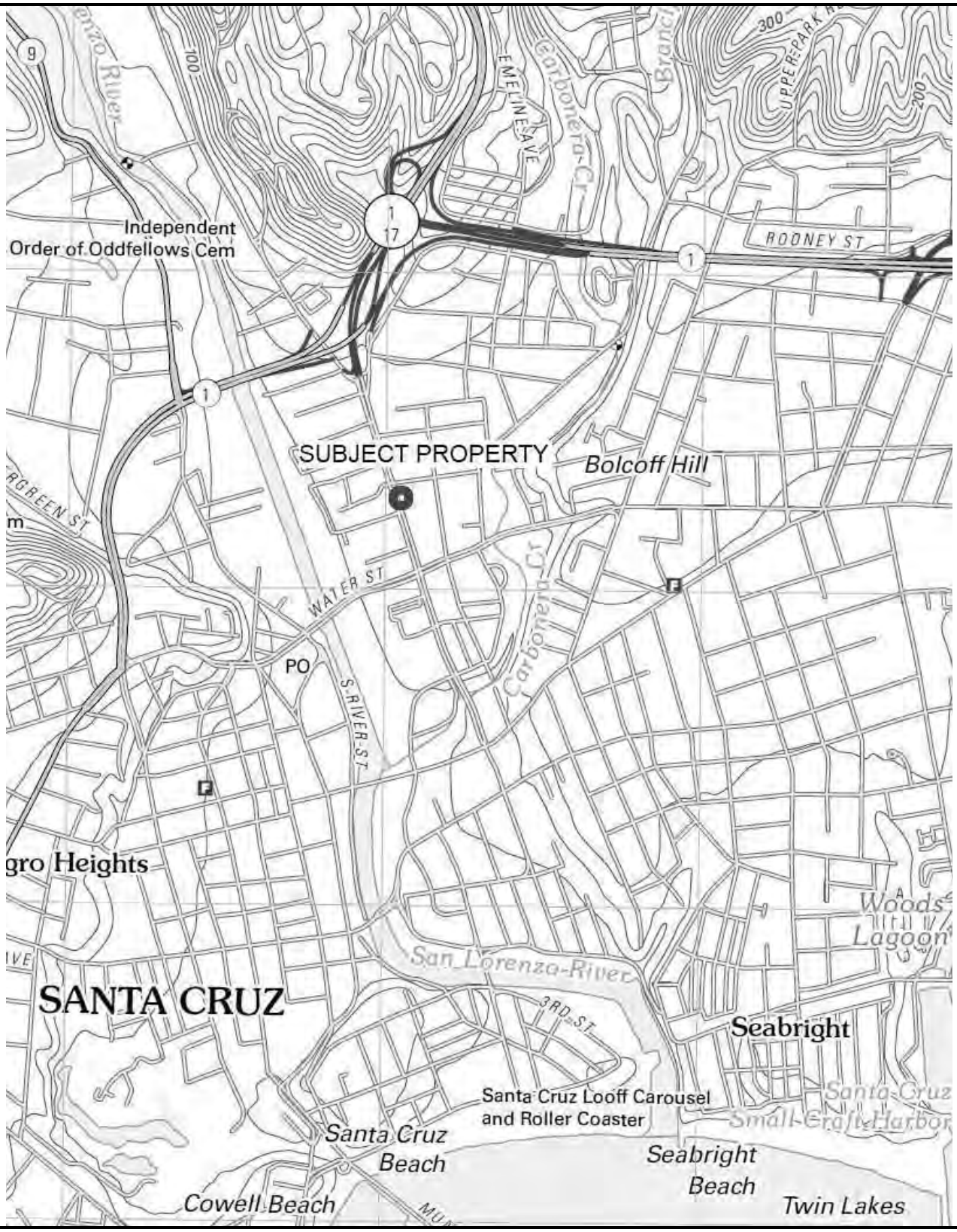
(This space reserved for official comments.)

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

LOCATION MAP

Primary # _____
HRI # _____
Trinomial _____

Page 3 **of** 13 **Resource Name or #** (Assigned by recorder) 1014 Ocean Street
***Map Name:** Santa Cruz, CA ***Scale:** 7.5 Minute ***Date of Map**: 2012



Continued from B10:

John Swanson retained ownership of the property until April 17, 1945, when it was granted to Henry and Edna Frey (Book 498 OR, Page 254). The Frey's owned and occupied the property as joint tenants until Henry's death. On December 31, 1974 the property was sold by Edna Frey to Robert Ross and Edith Anne Rittenhouse (Book 2467 OR, Page 703). The following year, June 17, 1975 it was sold to Kenneth and Agnes Wright (Book 2516 OR, Page 45). Agnes died on May 3, 1976, and her interest in the property passed to Kenneth Wright (Book 2830 OR, Page 393). On July 5, 1978 the property was sold to T.J. and Shirley Scott, Norman and Diane Bei, and Hugo Bruno Tottino (Book 2940, Page 536). The home appears to have been occupied by a number of short term tenants from 1978 to the present. On July 26, 2005 the property was transferred to Bei-Scott Co., LLC (Assessor's Doc#2005-50952). The property was transferred again on October 6, 2017, to SE-Santa Cruz, LLC, who are the current owners (Assessor's Doc#2017-33544).

City of Santa Cruz Historic Preservation Ordinance

According to the City of Santa Cruz Historic Preservation Ordinance (Ordinance #2003-14). A property shall be determined eligible for inclusion in the City of Santa Cruz Historic Building Survey based upon the following Criteria:

The property is either a building, site, or object that is:

1. Recognized as a significant example of the cultural, natural, archaeological, or built heritage of the city, state, or nation; and/or
2. Associated with a significant local, state, or national event; and/or
3. Associated with a person or persons who significantly contributed to the development of the city, state, or nation; and/or
4. Associated with an architect, designer, or builder whose work has influenced the development of the city, state, or nation; and/or
5. Recognized as possessing special aesthetic merit or value as a building with quality of architecture and that retains sufficient features showing its architectural significance; and/or
6. Recognized as possessing distinctive stylistic characteristics or workmanship significant for the study of a period, method of construction, or use of native materials; and/or
7. Retains sufficient integrity to accurately convey its significance.

Or a district which is:

8. Recognized as a geographically definable area possessing a significant concentration of buildings that are well designed and other structures, sites, and objects which are united by past events or by a plan or physical development; or is
9. Recognized as an established and geographically definable neighborhood united by culture, architectural styles or physical development.

The structure at 1014 Ocean Street is not currently listed in the City of Santa Cruz Historic Building Survey. In addition, it does not appear eligible for listing in this register. The structure is not recognized as a significant example of the built heritage of the city, and thus does not appear eligible for listing under Criterion 1. It is not associated with significant historic events, and thus does not appear eligible for listing under Criterion 2. It is not associated with historically significant persons, thus it does not appear eligible for listing under Criterion 3. It is not known to be the work of an architect or builder of note, and thus does not appear eligible for listing under Criterion 4. It does not possess special aesthetic or architectural merit, and thus does not appear eligible under Criterion 5. Although it is an example of late nineteenth century Vernacular architecture, it is not a notable example of this style and does not appear eligible for inclusion under Criterion 6. In addition, the structure has suffered multiple modifications, and is somewhat lacking in integrity. Thus it does not appear to be eligible for inclusion under Criterion 7. The structure is not a part of an historic district, and thus Criteria 8 and 9 do not apply.

California Register of Historic Resources Criteria

A cultural resource is considered "significant" if it qualifies as eligible for listing in the California Register of Historic Resources (CRHR). Properties that are eligible for listing in the CRHR must meet one or more of the following criteria:

1. Association with events that have made a significant contribution to the broad patterns of local or regional history or the cultural heritage of California or the United States;
2. Association with the lives of persons important to local, California, or national history;
3. Embodying the distinctive characteristics of a type, period, region, or method of construction, or representing the work of a master, or possessing high artistic values; or
4. Has yielded, or has the potential to yield, information important to the prehistory or history of the local area, California, or the nation.

A property may be automatically listed in the CRHR if it is formally determined eligible for the National Register of Historic Places. Properties that are formally determined eligible for the NRHP are those that are designated as such through one of the federal preservation programs administered by the California Office of Historic Preservation (i.e., the National Register, Tax Certification, and Section 106 review of federal undertakings).

The CRHR interprets the integrity of a cultural resource based upon its physical authenticity. An historic cultural resource must retain its historic character or appearance and thus be recognizable as an historic resource. Integrity is evaluated by examining the subject's location, design, setting, materials, workmanship, feeling, and association. If the subject has retained these qualities, it may be said to have integrity. It is possible that a cultural resource may not retain sufficient integrity to be listed in the National Register of Historic Places yet still be eligible for listing in the CRHR. If a cultural resource retains the potential to convey significant historical/scientific data, it may be said to retain sufficient integrity for potential listing in the CRHR.

The property at 1014 Ocean Street is not currently listed on the CRHR. In addition the structure does not appear to be eligible for inclusion in this register. The structure is not associated with significant events and thus it does not appear to be eligible for listing under Criterion 1. The structure is not associated with the lives of historically significant people, thus it does not appear to be eligible for inclusion under Criterion 2. The structure is an example of late 19th Century Vernacular architecture, however it is not a notable example, and suffers from significant modifications from its original form. Thus it does not appear to be eligible for listing under Criterion 3. The structure does not appear to have the potential to yield information important to history, and thus does not appear to be potentially eligible for listing under Criterion 4.

National Register Criteria

The National Register of Historic Places was first established in 1966, with major revisions in 1976. The register is set forth in 36 CFR 60 which establishes the responsibilities of the State Historic Preservation Officers (SHPO), standards for their staffs and review boards, and describes the statewide survey and planning process for historic preservation. Within this regulation guidelines are set forth concerning the National Register of Historic Places (36 CFR 60.6). In addition, further regulations are found in 36 CFR 63-66, 800, and Bulletin 15 which define procedures for determination of eligibility, identification of historic properties, recovery, reporting, and protection procedures. The National Register of Historic Places was established to recognize resources associated with the accomplishments of all peoples who have contributed to the country's history and heritage. Guidelines were designed for Federal and State agencies in nominating cultural resources to the National Register. These guidelines are based upon integrity and significance of the resource. Integrity applies to specific items such as location, design, setting, materials, workmanship, feeling, and association. Quality of significance in American history, architecture, archaeology, engineering and culture is present in resources that possess integrity of location, design, setting, materials, workmanship, feeling, and association, and meet at least one of the following criteria:

A. that are associated with events that have made a significant contribution to broad patterns of our history;
B. that are associated with the lives of persons significant in our past;
C. that embody distinctive characteristics of type, period, or method of construction, or that represent the work of master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction;
D. that have yielded, or are likely to yield, information important in prehistory or history.

Integrity is defined in Bulletin 15: How to Apply the National Register Criteria for Evaluation, (U.S. Department of the Interior, National Park Service 1982) as:

the authenticity of a property's historic identity, evidenced by the survival of physical characteristics that existed during the property's historic or prehistoric period. If a property retains the physical characteristics it possessed in the past then it has the capacity to convey association with historical patterns or persons, architectural or engineering design and technology, or information about a culture or peoples.

There are also seven aspects of integrity which are used. These aspects are:

1. location
2. design
3. setting
4. materials
5. Workmanship
6. Feeling
7. Association

The structure at 1014 Ocean Street is not currently listed on the National Register of Historic Places. In addition the structure does not appear to be eligible for inclusion in this register. The property is not associated with any known significant historical events, thus it does not appear to be eligible under Criterion A. The structure is not associated with historically significant persons, thus it does not appear to be eligible for inclusion in the NRHP under Criterion B. Although an example of Vernacular architecture, it is not a notable example of this style and does not appear to be eligible for inclusion under Criterion C. The structure does not appear likely to yield important historical information, thus it does not appear eligible for inclusion under Criterion D.

In addition, the structure is somewhat lacking in historic integrity, having multiple additions since its original construction.

Continued from B12:

Appraiser's Office, County of Santa Cruz
2019 Appraiser's records for 1014 Ocean Street.

Assessor's Office, County of Santa Cruz
2019 Record search of assessed value and associated taxes for 1014 Ocean Street.

Calloway, S. and E. Cromley
1996 *The Elements of Style: A Practical Encyclopedia of Interior Architectural Details from 1485 to the Present, Revised Edition.* Simon & Schuster, New York.

Hoover, M. et al
1966 Historic Spots in California. Stanford University Press, Stanford California.

McAlester, V. and L. McAlester
1997 *A Field Guide to American Houses*. Alfred A. Knopf, New York.

Recorder's Office, County of Santa Cruz
2019 Record search of recorded information for 1014 Ocean Street.

US Department of the Interior
1990 The Secretary of the Interior's Standards for Rehabilitation and Guidelines for Rehabilitating Historic Buildings

US Department of the Interior
1982 Bulletin 15 – "How to Apply the National Register Criteria for Evaluation."

Whiffen, M.
1992 *American Architecture since 1780, Revised Edition*. The MIT Press, Cambridge, MA.



Photo 1: View of the front façade of 1014 Ocean Street from the northwest.



Photo 2: Another view of the front façade from the southwest.



Photo 3: Oblique view of the residence from the northwest.



Photo 4: View along the northern façade of the residence.



Photo 5: Oblique view of the residence from the southwest.



Photo 6: View along the southern façade showing southern wing.



Photo 7: View of the rear portion of the northern façade.



Photo 6: View of the rear façade of the residence.

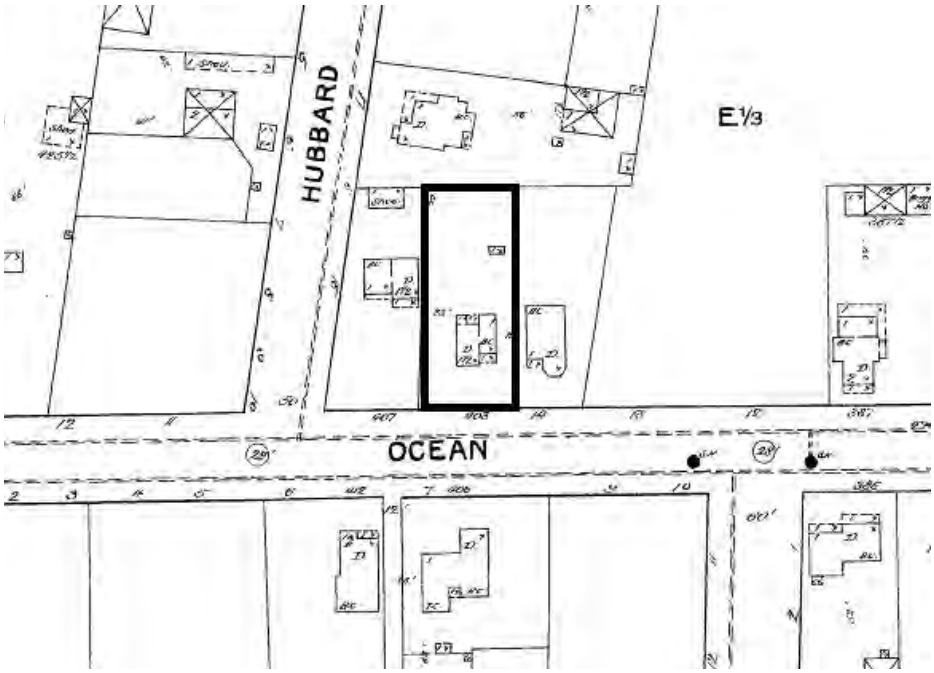


Photo 7: 1892 Sanborn Map showing the subject structure.

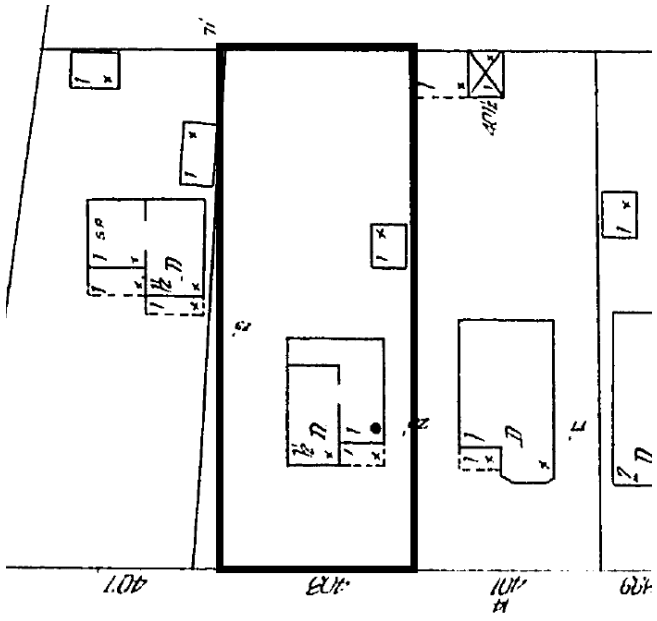


Photo 8: 1905 Sanborn Map of the property.

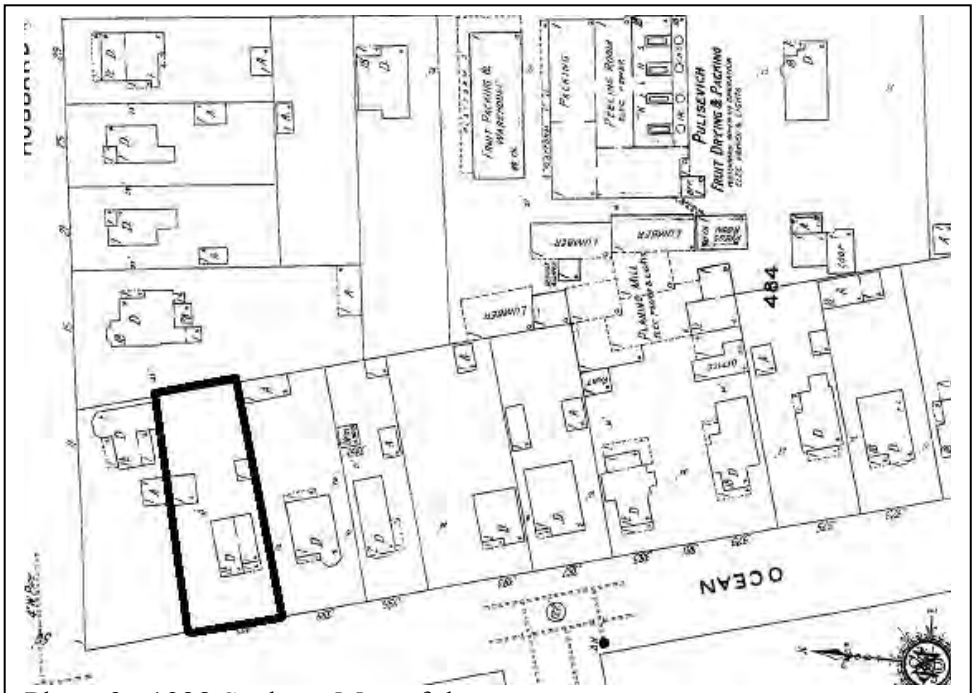


Photo 9: 1928 Sanborn Map of the property.

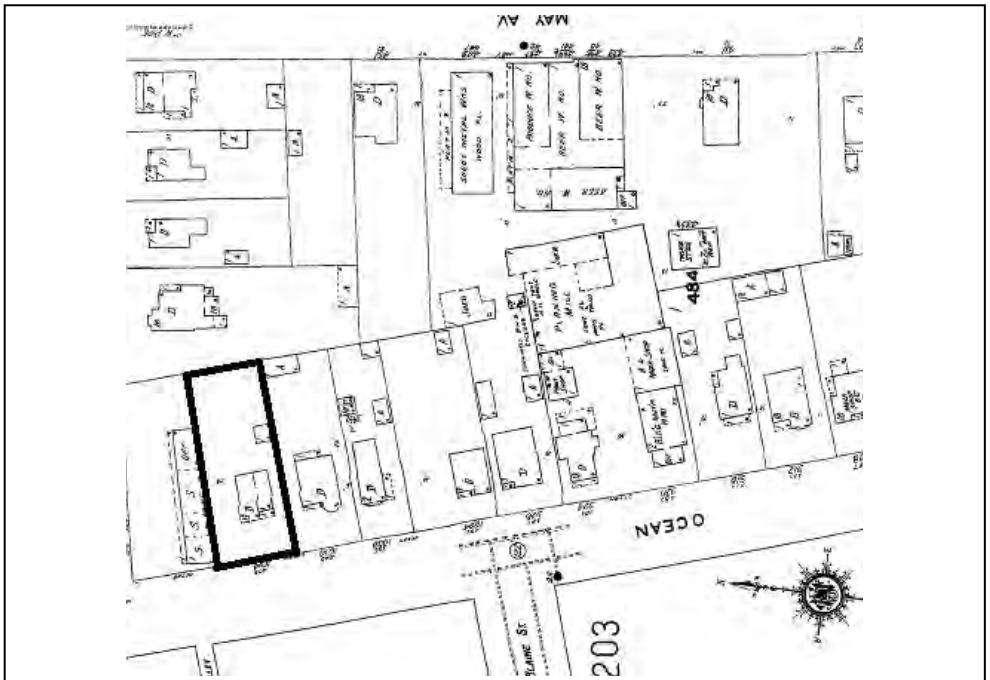


Photo 10: 1950 Sanborn map of the property.

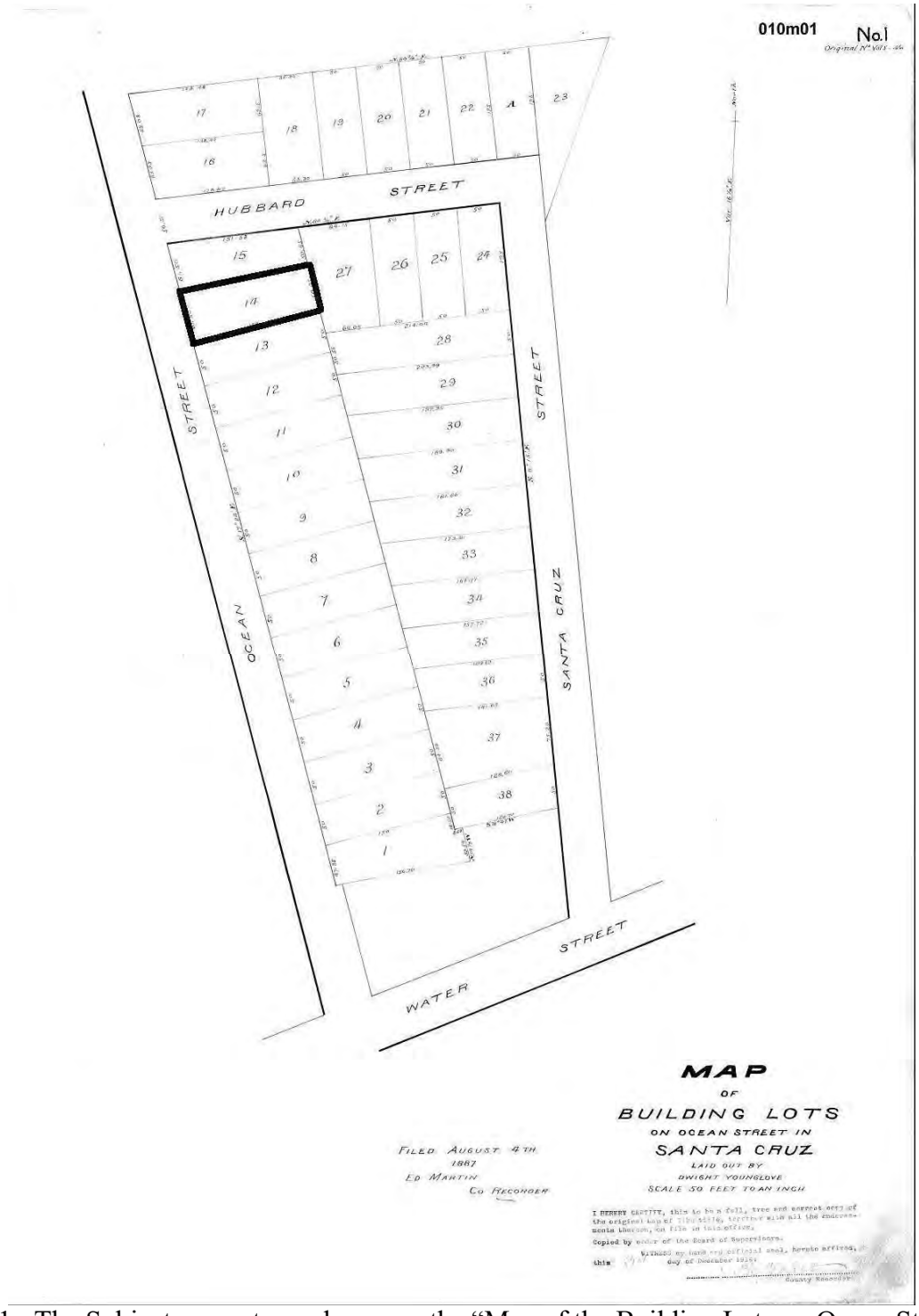


Photo 11: The Subject property as shown on the "Map of the Building Lots on Ocean Street in Santa Cruz, 1887" (Lot #14).

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary # _____
HRI # _____
Trinomial _____
NRHP Status Code _____
Other Listings _____
Review Code _____ **Reviewer** _____ **Date** _____

Page _1_ **of** 16 **Resource Name or #** 1010 Ocean Street

P1. Other Identifier: _____

P2. Location: ____ **Not for Publication** _x_ **Unrestricted** ***a. County** Santa Cruz

and (P2b and P2c or P2d. Attach a Location Map as necessary.)

***b. USGS 7.5' Quad:** Santa Cruz,CA **Date:** 2012 **T** ; **R** ; **1/4 of** **1/4 of Sec** ; **BM**

c. Address: 1010 Ocean Street **City:** Santa Cruz **Zip:** 95060

d. UTM: 10S 5 87 098mE/40 93 169mN

e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate)

APN: 008 331 32

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries.)

The primary structure at 1010 Ocean Street is a single story Victorian cottage in fair condition. The roof is pyramidally hipped, with an extending front gable over the southern bay. Surfaced with composition shingles, the roof features narrow eaves with enclosed rafters. Exterior walls are surfaced with horizontal wooden siding. Fenestration primarily consists of wooden framed windows in a double-hung sash configuration. The front façade features a large extending bay on the southern side, which includes decorative shingles, low relief wooden panels, and carved wooden bracing.

***P3b. Resource Attributes:** HP02 (Single Family Res)

***P4. Resources Present:** x Building __Structure __Object __District __Element of District __Site __Other

P5a. Photo or drawing (Photo required for buildings, structures, objects.)



P5b. Description of Photo: (View, date, accession #)
View of the front façade of 1010 Ocean Street

***P6. Date Constructed/Age and Sources**

Historic x Prehistoric Both

Circa 1890. Constructed 1908 based on County of Santa Cruz Appraiser's records, however it is present on the 1892 Sanborn Map of Santa Cruz.

***P7. Owner and Address:**

SE-Santa Cruz, LLC
1777 Saratoga Ave, Suite 210
San Jose, CA 95129

***P8. Recorded by:**

Robert Cartier
Archaeological Resource Management
496 North 5th Street
San Jose, CA 95112

***P9. Date Recorded:** 11/4/2019

***P10. Survey Type:** Intensive

***P11. Report Citation:** (Cite Survey Report and other sources, or enter "none.")

None

* Attachments: __None x Location Map __Sketch Map x Continuation Sheet x Building, Structure, and Object Record __Archaeological Record __District Record __Linear Feature Record __Milling Station Record __Rock Art Record __Artifact Record __Photographic Record __Other (List):

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

Primary # _____
HRI # _____

BUILDING, STRUCTURE, AND OBJECT RECORD

***NRHP Status Code** 1010 Ocean Street

***Resource Name or #** (Assigned by recorder) _____

B1. Historic Name: 401 Ocean Street

B2. Common Name: 1010 Ocean Street

B3. Original Use: Residential **B4. Present Use:** Residential (rental)

***B5. Architectural Style:** Victorian

***B6. Construction History:** (Construction date, alterations, and date of alterations)

Based upon visual evaluation and available documentation, the primary structure at 1010 Ocean Street was constructed circa 1890. Since its original construction minor modifications have been made to the structure including reroofing and a small rear addition.

***B7. Moved?** x **No** ___ **Yes** ___ **Unknown** **Date:** _____ **Original Location:** _____

***B8. Related Features:**

Also present on the property are a small secondary unit and a detached garage.

B9a. Architect: unknown **b. Builder:** unknown

***B10. Significance: Theme** architecture and shelter **Area** Santa Cruz, CA

Period of Significance Horticulture **Property Type** private residential **Applicable Criteria** N/A

The land on which the subject structure now stands consists of Lot #13, as shown on the "Map of Building Lots on Ocean Street in Santa Cruz, laid out by Dwight Younglove," filed August 4, 1887 (Vol. 5 of Maps, Page 46). Based upon visual evaluation and available documentation, the residence on the property appears to have been constructed Circa 1890. The home can be seen on the 1892 Sanborn Fire Insurance Map of Santa Cruz. In 1892, the property was owned by a Mr. George H. Piper. On January 29th of that year, the home was sold to James L. Binney (Book 208 of Deeds, Page 83). By 1918 the property (then 399 Ocean Street) was occupied by Matias Palacio. In 1921 the address was the home of L. H. Monroe. In 1924 it was listed under Mrs. Geneva A. Monroe. From 1926 to 1929 it was occupied by C. F. and Barbara Raymond.

See Continuation Sheet, Page 4

B11. Additional Resource Attributes: (List attributes and codes) N/A

***B12. References:**

See Continuation Sheet, Page 7

B13. Remarks:



***B14. Evaluator:** Robert R. Cartier

***Date of Evaluation:** 11/4/2019

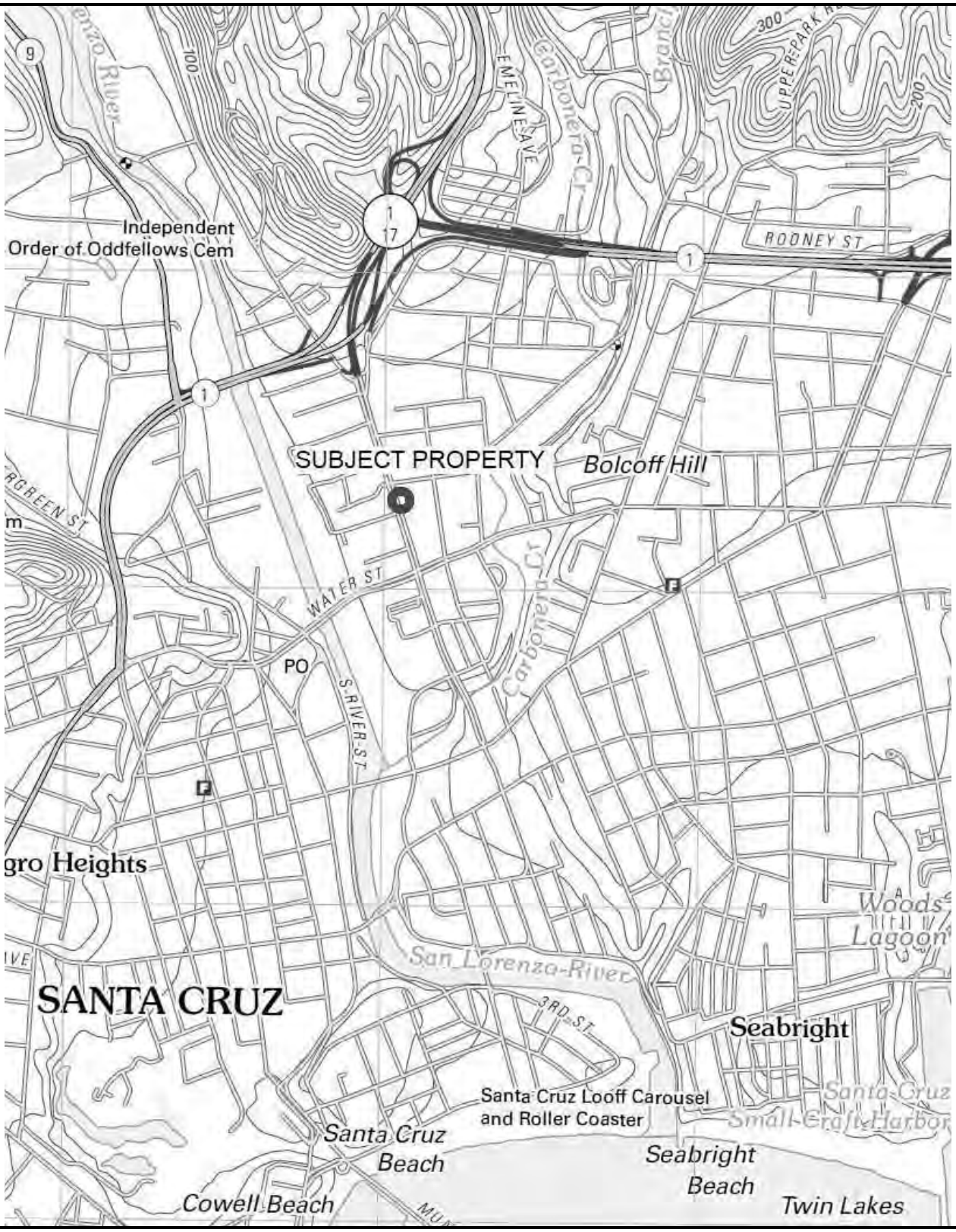
(This space reserved for official comments.)

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

LOCATION MAP

Primary # _____
HRI # _____
Trinomial _____

Page 3 **of** 16 **Resource Name or #** (Assigned by recorder) 1010 Ocean Street
***Map Name:** Santa Cruz, CA ***Scale:** 7.5 Minute ***Date of Map**: 2012



Continued from B10:

By the late 1920's property ownership had passed to Joseph B. and Mary V. Lane. On November 20, 1929 the property was deeded to Emmet C. Rittenhouse and Bert B. Snyder in payment of a debt (Book 161 OR, Page 397). From this period to the present, the home appears to have been utilized as rental property and was occupied by a number of short term tenants. By April 9, 1936 the property was owned by Ross R. and Roberta A. Rittenhouse, who on that date granted a portion of the property to the State of California for the purpose of the expansion of Ocean Street (Book 304 OR, Page 389). Roberta Rittenhouse died August 20, 1973, and the property was granted to Robert Ross Rittenhouse by her estate on June 14, 1974 (Book 2418 OR, Page 721). On June 17, 1975, Robert Ross Rittenhouse and his wife Edith Anne sold the property to Kenneth and Agnes Wright (Book 2516 OR, Page 44). Agnes died on May 3, 1976, and her interest in the property passed to Kenneth Wright (Book 2830 OR, Page 393). On July 5, 1978 the property was sold to T.J. and Shirley Scott, Norman and Diane Bei, and Hugo Bruno Tottino (Book 2940, Page 536). On July 26, 2005 the property was transferred to Bei-Scott Co., LLC (Assessor's Doc#2005-50952). The property was transferred again on October 6, 2017, to SE-Santa Cruz, LLC, who are the current owners (Assessor's Doc#2017-33544).

City of Santa Cruz Historic Preservation Ordinance
According to the City of Santa Cruz Historic Preservation Ordinance (Ordinance #2003-14). A property shall be determined eligible for inclusion in the City of Santa Cruz Historic Building Survey based upon the following Criteria:

The property is either a building, site, or object that is:
1. Recognized as a significant example of the cultural, natural, archaeological, or built heritage of the city, state, or nation; and/or
2. Associated with a significant local, state, or national event; and/or
3. Associated with a person or persons who significantly contributed to the development of the city, state, or nation; and/or
4. Associated with an architect, designer, or builder whose work has influenced the development of the city, state, or nation; and/or
5. Recognized as possessing special aesthetic merit or value as a building with quality of architecture and that retains sufficient features showing its architectural significance; and/or
6. Recognized as possessing distinctive stylistic characteristics or workmanship significant for the study of a period, method of construction, or use of native materials; and/or
7. Retains sufficient integrity to accurately convey its significance.

Or a district which is:

8. Recognized as a geographically definable area possessing a significant concentration of buildings that are well designed and other structures, sites, and objects which are united by past events or by a plan or physical development; or is
9. Recognized as an established and geographically definable neighborhood united by culture, architectural styles or physical development.

The structure at 1010 Ocean Street is not currently listed in the City of Santa Cruz Historic Building Survey. In addition, it does not appear eligible for listing in this register. The structure is not recognized as a significant example of the built heritage of the city, and thus does not appear eligible for listing under Criterion 1. It is not associated with significant historic events, and thus does not appear eligible for listing under Criterion 2. It is not associated with historically significant persons, thus it does not appear eligible for listing under Criterion 3. It is not known to be the work of an architect or builder of note, and thus does not appear eligible for listing under Criterion 4. It does not possess special aesthetic or architectural merit, and thus does not appear eligible under Criterion 5. Although it is an example of Victorian architecture, it is not a notable example of this style and does not appear eligible for inclusion under Criterion 6. Thus it does not appear to be eligible for inclusion under Criterion 7. The structure is not a part of an historic district, and thus Criteria 8 and 9 do not apply.

California Register of Historic Resources Criteria

A cultural resource is considered "significant" if it qualifies as eligible for listing in the California Register of Historic Resources (CRHR). Properties that are eligible for listing in the CRHR must meet one or more of the following criteria:

1. Association with events that have made a significant contribution to the broad patterns of local or regional history or the cultural heritage of California or the United States;
2. Association with the lives of persons important to local, California, or national history;
3. Embodying the distinctive characteristics of a type, period, region, or method of construction, or representing the work of a master, or possessing high artistic values; or
4. Has yielded, or has the potential to yield, information important to the prehistory or history of the local area, California, or the nation.

A property may be automatically listed in the CRHR if it is formally determined eligible for the National Register of Historic Places. Properties that are formally determined eligible for the NRHP are those that are designated as such through one of the federal preservation programs administered by the California Office of Historic Preservation (i.e., the National Register, Tax Certification, and Section 106 review of federal undertakings).

The CRHR interprets the integrity of a cultural resource based upon its physical authenticity. An historic cultural resource must retain its historic character or appearance and thus be recognizable as an historic resource. Integrity is evaluated by examining the subject's location, design, setting, materials, workmanship, feeling, and association. If the subject has retained these qualities, it may be said to have integrity. It is possible that a cultural resource may not retain sufficient integrity to be listed in the National Register of Historic Places yet still be eligible for listing in the CRHR. If a cultural resource retains the potential to convey significant historical/scientific data, it may be said to retain sufficient integrity for potential listing in the CRHR.

The property at 1010 Ocean Street is not currently listed on the CRHR. In addition the structure does not appear to be eligible for inclusion in this register. The structure is not associated with significant events and thus it does not appear to be eligible for listing under Criterion 1. The structure is not associated with the lives of historically significant people, thus it does not appear to be eligible for inclusion under Criterion 2. The structure is an example of Victorian domestic architecture, however it is not a notable example. Thus it does not appear to be eligible for listing under Criterion 3. The structure does not appear to have the potential to yield information important to history, and thus does not appear to be potentially eligible for listing under Criterion 4.

National Register Criteria

The National Register of Historic Places was first established in 1966, with major revisions in 1976. The register is set forth in 36 CFR 60 which establishes the responsibilities of the State Historic Preservation Officers (SHPO), standards for their staffs and review boards, and describes the statewide survey and planning process for historic preservation. Within this regulation guidelines are set forth concerning the National Register of Historic Places (36 CFR 60.6). In addition, further regulations are found in 36 CFR 63-66, 800, and Bulletin 15 which define procedures for determination of eligibility, identification of historic properties, recovery, reporting, and protection procedures. The National Register of Historic Places was established to recognize resources associated with the accomplishments of all peoples who have contributed to the country's history and heritage. Guidelines were designed for Federal and State agencies in nominating cultural resources to the National Register. These guidelines are based upon integrity and significance of the resource. Integrity applies to specific items such as location, design, setting, materials, workmanship, feeling, and association. Quality of significance in American history, architecture, archaeology, engineering and culture is present in resources that possess integrity of location, design, setting, materials, workmanship, feeling, and association, and meet at least one of the following criteria:

A. that are associated with events that have made a significant contribution to broad patterns of our history;
B. that are associated with the lives of persons significant in our past;
C. that embody distinctive characteristics of type, period, or method of construction, or that represent the work of master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction;
D. that have yielded, or are likely to yield, information important in prehistory or history.

Integrity is defined in Bulletin 15: How to Apply the National Register Criteria for Evaluation, (U.S. Department of the Interior, National Park Service 1982) as:

the authenticity of a property's historic identity, evidenced by the survival of physical characteristics that existed during the property's historic or prehistoric period. If a property retains the physical characteristics it possessed in the past then it has the capacity to convey association with historical patterns or persons, architectural or engineering design and technology, or information about a culture or peoples.

There are also seven aspects of integrity which are used. These aspects are:

1. location
2. design
3. setting
4. materials
5. Workmanship
6. Feeling
7. Association

The structure at 1010 Ocean Street is not currently listed on the National Register of Historic Places. In addition the structure does not appear to be eligible for inclusion in this register. The property is not associated with any known significant historical events, thus it does not appear to be eligible under Criterion A. The structure is not associated with historically significant persons, thus it does not appear to be eligible for inclusion in the NRHP under Criterion B. Although an example of Victorian domestic architecture, it is not a notable example of this style and does not appear to be eligible for inclusion under Criterion C. The structure does not appear likely to yield important historical information, thus it does not appear eligible for inclusion under Criterion D.

In addition, the structure is somewhat lacking in historic integrity, having suffered minor changes and additions since its original construction.

Continued from B12:

Appraiser's Office, County of Santa Cruz
2019 Appraiser's records for 1010 Ocean Street.

Assessor's Office, County of Santa Cruz
2019 Record search of assessed value and associated taxes for 1010 Ocean Street.

Calloway, S. and E. Cromley
1996 *The Elements of Style: A Practical Encyclopedia of Interior Architectural Details from 1485 to the Present, Revised Edition.* Simon & Schuster, New York.

Hoover, M. et al
1966 Historic Spots in California. Stanford University Press, Stanford California.

McAlester, V. and L. McAlester
1997 *A Field Guide to American Houses*. Alfred A. Knopf, New York.

Recorder's Office, County of Santa Cruz
2019 Record search of recorded information for 1010 Ocean Street.

US Department of the Interior
1990 The Secretary of the Interior's Standards for Rehabilitation and Guidelines for Rehabilitating Historic Buildings

US Department of the Interior
1982 Bulletin 15 – "How to Apply the National Register Criteria for Evaluation."

Whiffen, M.
1992 *American Architecture since 1780, Revised Edition*. The MIT Press, Cambridge, MA.



Photo 1: View of the front façade of 1010 Ocean Street



Photo 2: Oblique view of the front façade.



Photo 3: View of the front entry.



Photo 4: View of the large window bay on the front façade.



Photo 5: View of the front gable and decorative detailing.



Photo 6: View along the southern façade of the residence.



Photo 7: View of the northwest corner of the residence.



Photo 8: View along the northern façade.



Photo 9: View of the rear of the residence, note small rear entry addition.



Photo 10: View of the small secondary unit on the property (post 1950).



Photo 11: View of the entry to the secondary unit.



Photo 12: View of the detached garage.



Photo 13: 1892 Sanborn Fire Insurance Map showing the subject structure.

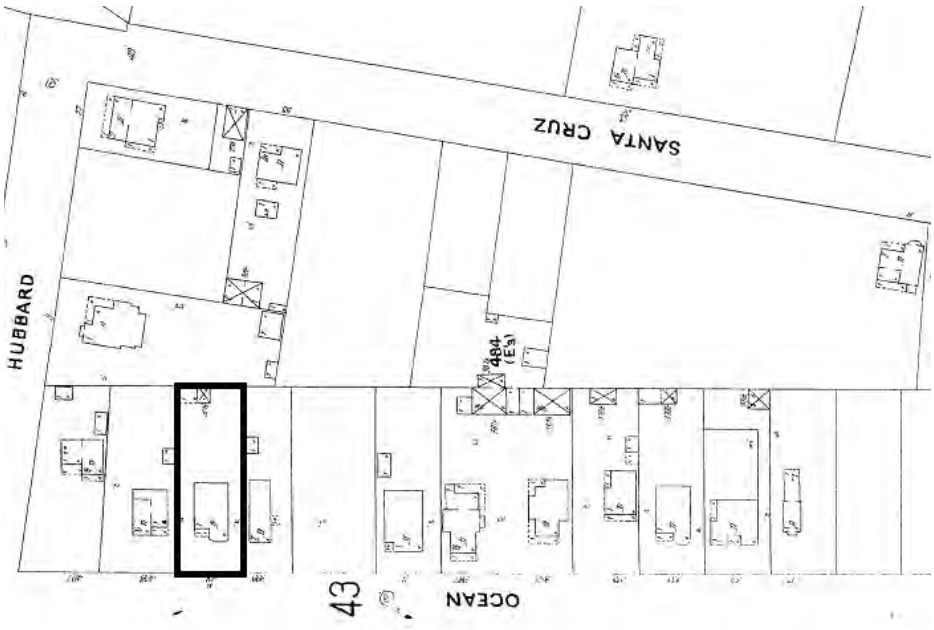


Photo 14: 1905 Sanborn Fire Insurance Map showing the subject structure.

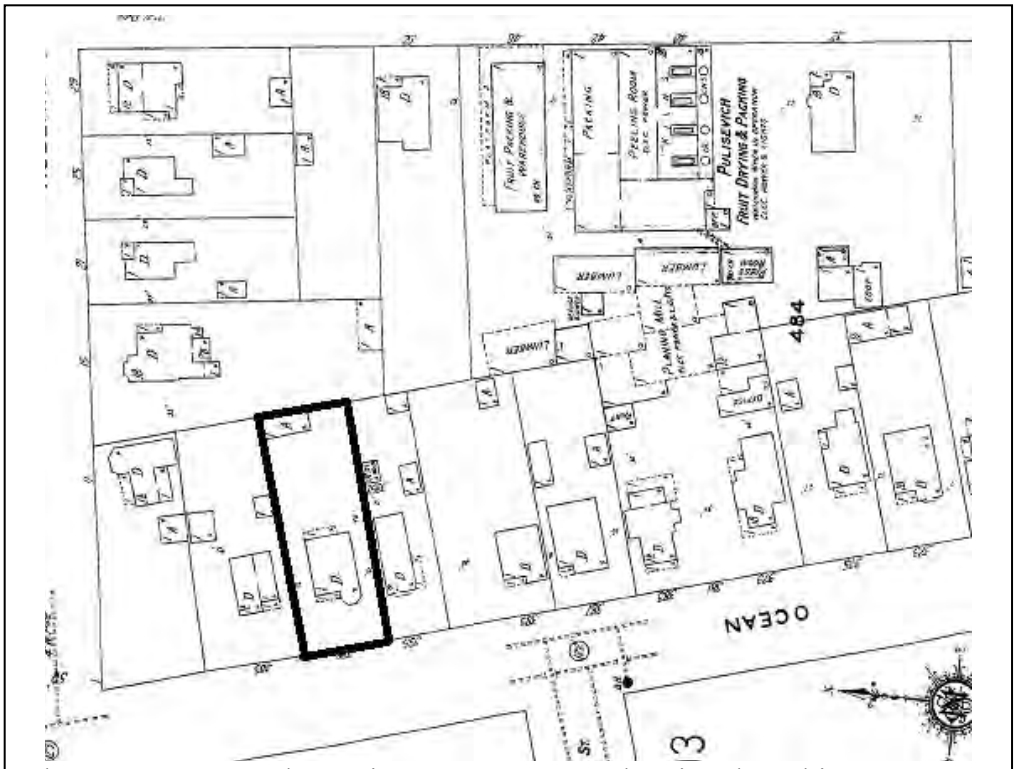


Photo 15: 1928 Sanborn Fire Insurance Map showing the subject structure.

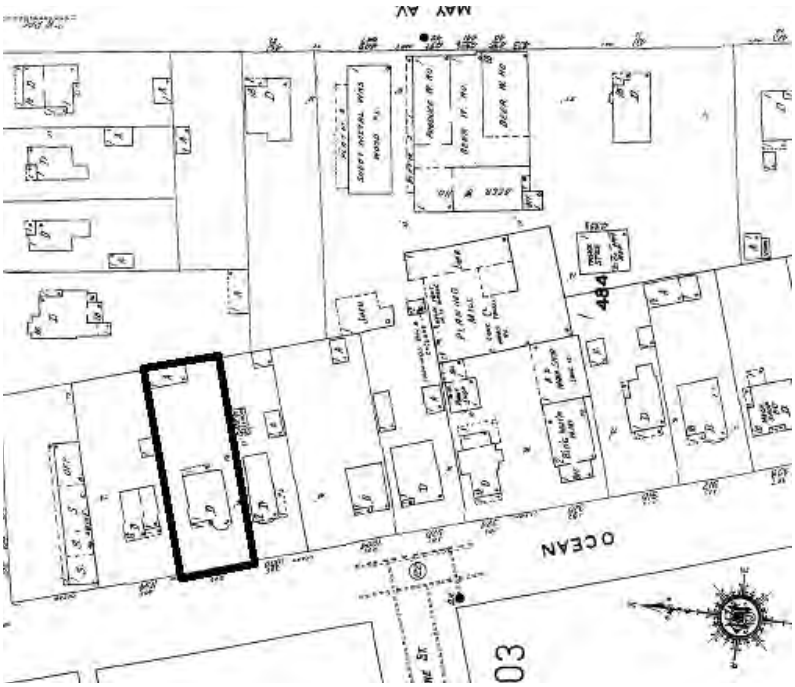


Photo 16: 1950 Sanborn Fire Insurance Map showing the subject structure.

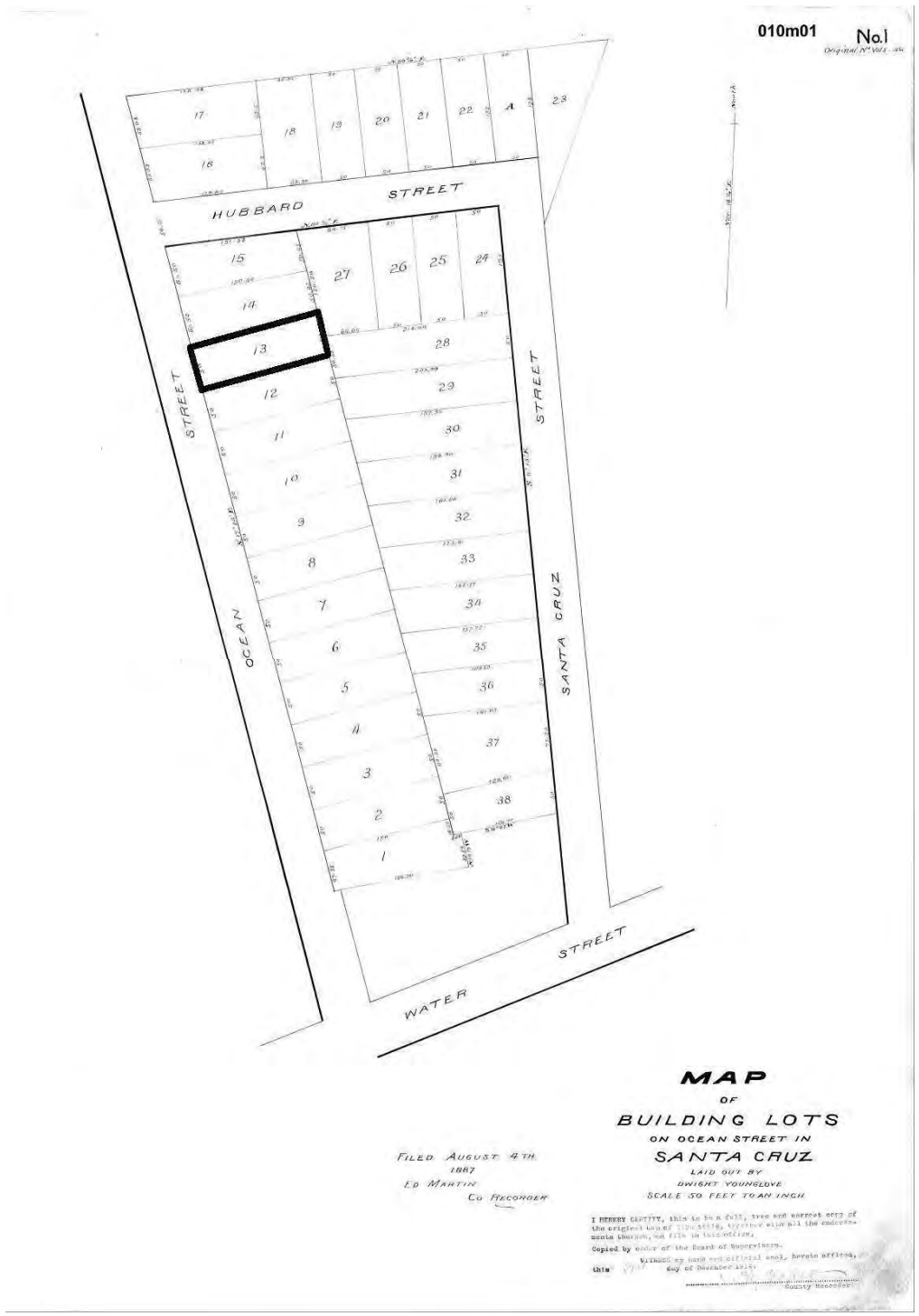


Photo 17: The Subject property as shown on the "Map of the Building Lots on Ocean Street in Santa Cruz, 1887" (Lot #13).

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary # _____
HRI # _____
Trinomial _____
NRHP Status Code _____
Other Listings _____
Review Code _____ **Reviewer** _____ **Date** _____

Page 1 **of** 16 **Resource Name or #** 1008 Ocean Street

P1. Other Identifier: _____

P2. Location: ____ **Not for Publication** x **Unrestricted** ***a. County** Santa Cruz

and (P2b and P2c or P2d. Attach a Location Map as necessary.)

***b. USGS 7.5' Quad:** Santa Cruz,CA **Date:** 2012 **T** ; **R** ; **1/4 of** **1/4 of Sec** ; **BM**

c. Address: 1008 Ocean Street **City:** Santa Cruz **Zip:** 95060

d. UTM: 10S 5 87 098mE/40 93 169mN

e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate)

APN: 008 331 31

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries.)

The structure at 1008 Ocean Street is a two story Victorian residence in fair condition, although heavily altered from its original form. The roof is front gabled, or moderate pitch, and surfaced with composition shingles. Eaves are narrow, with enclosed rafters. A shed roof of lower pitch extends over the southern side addition. The front façade is surfaced with a variety of materials including horizontal wooden siding (some of which may be original) on the upper story, stucco on the lower story, stone cladding at the base of the lower story, and corrugated metal sheeting on the upper story of the southern addition. The front entry is located at the front of the southern façade, with two entries (upper and lower floors), near the rear of the southern façade. Fenestration consists of a mixture of wooden and aluminum framed windows in multiple configurations.

***P3b. Resource Attributes:** HP02 (single family res)

***P4. Resources Present:** x Building Structure Object District Element of District Site Other

P5a. Photo or drawing (Photo required for buildings, structures, objects.)



P5b. Description of Photo: (View, date, accession #)
View of the front façade of 1008 Ocean Street

***P6. Date Constructed/Age and Sources**

Historic x Prehistoric Both

Circa 1895. Constructed 1888 based on County of Santa Cruz Appraiser's records, however not present on the 1892 Sanborn map of Santa Cruz.

***P7. Owner and Address:**

SE-Santa Cruz, LLC
1777 Saratoga Ave, Suite 210
San Jose, CA 95129

***P8. Recorded by:**

Robert Cartier
Archaeological Resource Management
496 North 5th Street
San Jose, CA 95112

***P9. Date Recorded:** 11/4/2019

***P10. Survey Type:** Intensive

***P11. Report Citation:** (Cite Survey Report and other sources, or enter "none.")

None

* Attachments: None x Location Map Sketch Map x Continuation Sheet x Building, Structure, and Object Record Archaeological Record District Record Linear Feature Record Milling Station Record Rock Art Record Artifact Record Photographic Record Other (List):

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

Primary # _____
HRI # _____

BUILDING, STRUCTURE, AND OBJECT RECORD

Page _2_ **of** 16 ***NRHP Status Code** 1008 Ocean Street

***Resource Name or #** (Assigned by recorder) _____

B1. Historic Name: 399 Ocean Street

B2. Common Name: 1008 Ocean Street

B3. Original Use: Residential **B4. Present Use:** Residential (Rental)

***B5. Architectural Style:** Victorian

***B6. Construction History:** (Construction date, alterations, and date of alterations)

Based upon visual evaluation and available documentation, the residence at 1008 Ocean Street was constructed Circa 1895. Since its original construction modifications have been made to the structure including additions, reroofing, and resurfacing of parts of the home.

***B7. Moved?** _x_ **No** ___ **Yes** ___ **Unknown** **Date:** _____ **Original Location:** _____

***B8. Related Features:**

None

B9a. Architect: unknown **b. Builder:** unknown

***B10. Significance: Theme** architecture and shelter **Area** Santa Cruz, CA

Period of Significance Horticulture **Property Type** private residential **Applicable Criteria** N/A

The land on which the subject structure now stands consists of Lot #12, as shown on the "Map of Building Lots on Ocean Street in Santa Cruz, laid out by Dwight Younglove," filed August 4, 1887 (Vol. 5 of Maps, Page 46). The structure was not present on the 1892 Sanborn Map of the City of Santa Cruz, and appears to have been constructed Circa 1895. The structure can be seen on the 1905 Sanborn Map. The earliest known occupants of the property were Edwin and Louise Jameson who are listed at the property (then 395 Ocean Street) in the Santa Cruz City Directory in 1920. Edwin's occupation is listed as farmer. On April 6, 1936 the Jamesons' granted a portion of the property to the State of California for the purpose of the expansion of Ocean Street (Book 304 OR, Page 382). By the mid-1950's Louise was the sole owner of the property. She married Charles M. Washburn, and on May 8, 1956 granted the property to herself and Charles as joint tenants (Book 1073 OR, Page 510). On October 3, 1958 Charles granted the property to himself and Molly L. Washburn, his daughter (Book 1208 OR, Page 110). Charles died soon thereafter, and on April 22, 1959 his interest in the property passed to Molly (Book 1242 OR, Page 544).

See Continuation Sheet, Page 4

B11. Additional Resource Attributes: (List attributes and codes) N/A

***B12. References:**

See Continuation Sheet, Page 7

B13. Remarks:



***B14. Evaluator:** Robert R. Cartier

***Date of Evaluation:** 11/4/2019

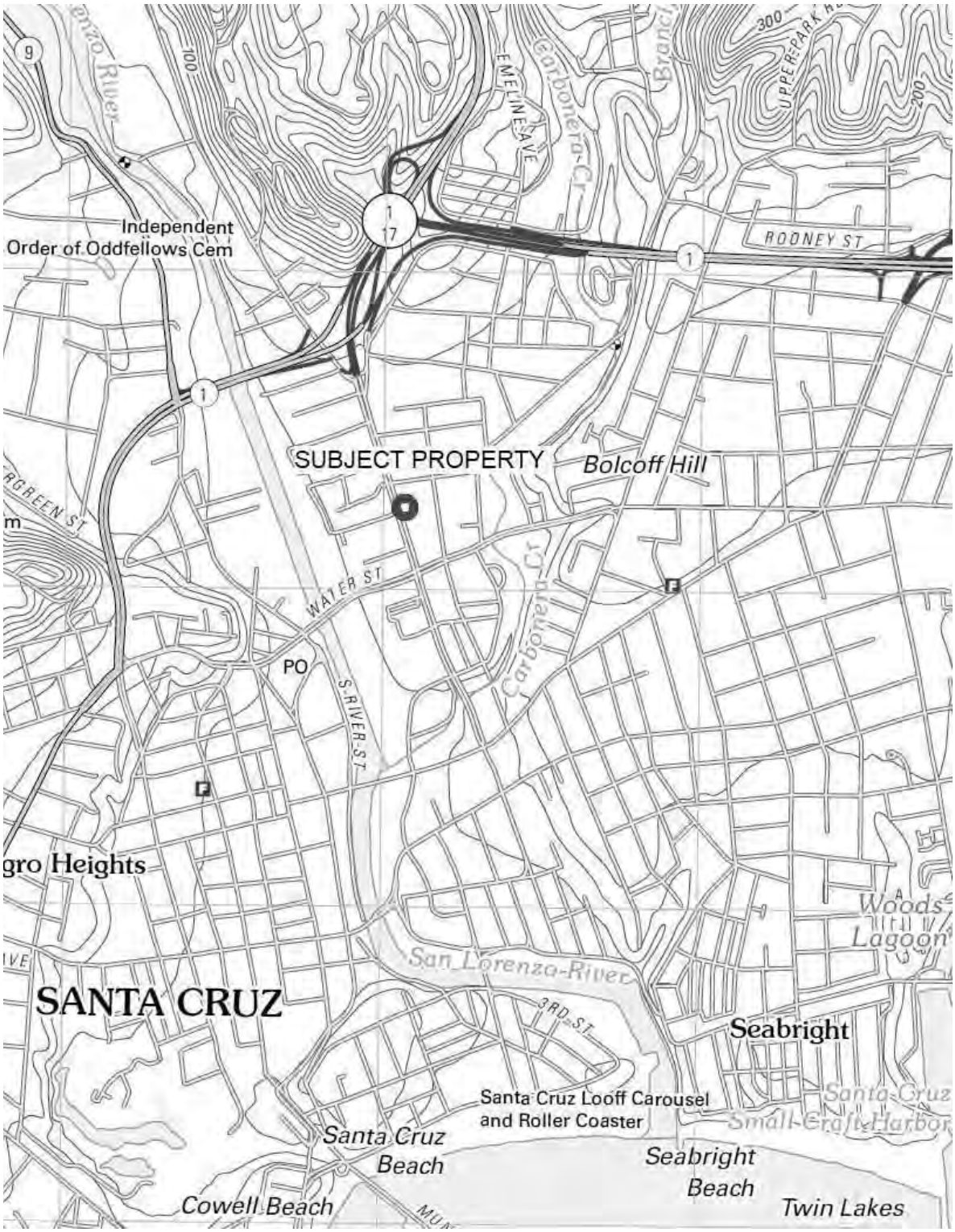
(This space reserved for official comments.)

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

LOCATION MAP

Primary # _____
HRI # _____
Trinomial _____

Page 3 **of** 16 **Resource Name or #** (Assigned by recorder) 1008 Ocean Street
***Map Name:** Santa Cruz, CA ***Scale:** 7.5 Minute ***Date of Map**: 2012



Continued from B10:

On January 25, 1961 Molly Washburn granted the property to David D. and Helen M. Fleming (Book 1372 OR, Page 239). During this period the Flemings lived in the residence, which was also operating as a Real Estate Office. The property was sold to William R. Corder on June 12, 1964 (Book 1628 OR, Page 465). William (a lawyer) resided at the property. On December 31, 1968 William and Anita Corder granted the property to William J. and Lorraine B. Harry (Book 1929 OR, Page 306). From this time to the present the home has operated as a rental property, with a number of short term tenant. The property was sold again on December 31, 1974 to Ruth Allaire and Ruth Firebaugh (Book 2469, Page 256). On June 8, 1979 the property was sold to T.J. and Shirley Scott, Norman and Diane Bei, and Hugo Bruno Tottino (Book 3074, Page 137). On July 26, 2005 the property was transferred to Bei-Scott Co., LLC (Assessor's Doc#2005-0050952). The property was transferred again on October 6, 2017, to SE-Santa Cruz, LLC, who are the current owners (Assessor's Doc#2017-0033544).

City of Santa Cruz Historic Preservation Ordinance

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The property is either a building, site, or object that is:

1. Recognized as a significant example of the cultural, natural, archaeological, or built heritage of the city, state, or nation; and/or
2. Associated with a significant local, state, or national event; and/or
3. Associated with a person or persons who significantly contributed to the development of the city, state, or nation; and/or
4. Associated with an architect, designer, or builder whose work has influenced the development of the city, state, or nation; and/or
5. Recognized as possessing special aesthetic merit or value as a building with quality of architecture and that retains sufficient features showing its architectural significance; and/or
6. Recognized as possessing distinctive stylistic characteristics or workmanship significant for the study of a period, method of construction, or use of native materials; and/or
7. Retains sufficient integrity to accurately convey its significance.

Or a district which is:

8. Recognized as a geographically definable area possessing a significant concentration of buildings that are well designed and other structures, sites, and objects which are united by past events or by a plan or physical development; or is
9. Recognized as an established and geographically definable neighborhood united by culture, architectural styles or physical development.

The structure at 1008 Ocean Street is not currently listed in the City of Santa Cruz Historic Building Survey. In addition, it does not appear eligible for listing in this register. The structure is not recognized as a significant example of the built heritage of the city, and thus does not appear eligible for listing under Criterion 1. It is not associated with significant historic events, and thus does not appear eligible for listing under Criterion 2. It is not associated with historically significant persons, thus it does not appear eligible for listing under Criterion 3. It is not known to be the work of an architect or builder of note, and thus does not appear eligible for listing under Criterion 4. It does not possess special aesthetic or architectural merit, and thus does not appear eligible under Criterion 5. Although it is an example of Victorian architecture, it is not a notable example of this style and does not appear eligible for inclusion under Criterion 6. In addition, the structure has suffered multiple modifications, and is somewhat lacking in integrity. Thus it does not appear to be eligible for inclusion under Criterion 7. The structure is not a part of an historic district, and thus Criteria 8 and 9 do not apply.

California Register of Historic Resources Criteria

A cultural resource is considered "significant" if it qualifies as eligible for listing in the California Register of Historic Resources (CRHR). Properties that are eligible for listing in the CRHR must meet one or more of the following criteria:

1. Association with events that have made a significant contribution to the broad patterns of local or regional history or the cultural heritage of California or the United States;
2. Association with the lives of persons important to local, California, or national history;
3. Embodying the distinctive characteristics of a type, period, region, or method of construction, or representing the work of a master, or possessing high artistic values; or
4. Has yielded, or has the potential to yield, information important to the prehistory or history of the local area, California, or the nation.

A property may be automatically listed in the CRHR if it is formally determined eligible for the National Register of Historic Places. Properties that are formally determined eligible for the NRHP are those that are designated as such through one of the federal preservation programs administered by the California Office of Historic Preservation (i.e., the National Register, Tax Certification, and Section 106 review of federal undertakings).

The CRHR interprets the integrity of a cultural resource based upon its physical authenticity. An historic cultural resource must retain its historic character or appearance and thus be recognizable as an historic resource. Integrity is evaluated by examining the subject's location, design, setting, materials, workmanship, feeling, and association. If the subject has retained these qualities, it may be said to have integrity. It is possible that a cultural resource may not retain sufficient integrity to be listed in the National Register of Historic Places yet still be eligible for listing in the CRHR. If a cultural resource retains the potential to convey significant historical/scientific data, it may be said to retain sufficient integrity for potential listing in the CRHR.

The property at 1008 Ocean Street is not currently listed on the CRHR. In addition the structure does not appear to be eligible for inclusion in this register. The structure is not associated with significant events and thus it does not appear to be eligible for listing under Criterion 1. The structure is not associated with the lives of historically significant people, thus it does not appear to be eligible for inclusion under Criterion 2. The structure is an example of Victorian architecture, however it is not a notable example, and suffers from significant modifications from its original form. Thus it does not appear to be eligible for listing under Criterion 3. The structure does not appear to have the potential to yield information important to history, and thus does not appear to be potentially eligible for listing under Criterion 4.

National Register Criteria

The National Register of Historic Places was first established in 1966, with major revisions in 1976. The register is set forth in 36 CFR 60 which establishes the responsibilities of the State Historic Preservation Officers (SHPO), standards for their staffs and review boards, and describes the statewide survey and planning process for historic preservation. Within this regulation guidelines are set forth concerning the National Register of Historic Places (36 CFR 60.6). In addition, further regulations are found in 36 CFR 63-66, 800, and Bulletin 15 which define procedures for determination of eligibility, identification of historic properties, recovery, reporting, and protection procedures. The National Register of Historic Places was established to recognize resources associated with the accomplishments of all peoples who have contributed to the country's history and heritage. Guidelines were designed for Federal and State agencies in nominating cultural resources to the National Register. These guidelines are based upon integrity and significance of the resource. Integrity applies to specific items such as location, design, setting, materials, workmanship, feeling, and association. Quality of significance in American history, architecture, archaeology, engineering and culture is present in resources that possess integrity of location, design, setting, materials, workmanship, feeling, and association, and meet at least one of the following criteria:

A. that are associated with events that have made a significant contribution to broad patterns of our history;
B. that are associated with the lives of persons significant in our past;
C. that embody distinctive characteristics of type, period, or method of construction, or that represent the work of master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction;
D. that have yielded, or are likely to yield, information important in prehistory or history.

Integrity is defined in Bulletin 15: How to Apply the National Register Criteria for Evaluation, (U.S. Department of the Interior, National Park Service 1982) as:

the authenticity of a property's historic identity, evidenced by the survival of physical characteristics that existed during the property's historic or prehistoric period. If a property retains the physical characteristics it possessed in the past then it has the capacity to convey association with historical patterns or persons, architectural or engineering design and technology, or information about a culture or peoples.

There are also seven aspects of integrity which are used. These aspects are:

1. location
2. design
3. setting
4. materials
5. Workmanship
6. Feeling
7. Association

The structure at 1008 Ocean Street is not currently listed on the National Register of Historic Places. In addition the structure does not appear to be eligible for inclusion in this register. The property is not associated with any known significant historical events, thus it does not appear to be eligible under Criterion A. The structure is not associated with historically significant persons, thus it does not appear to be eligible for inclusion in the NRHP under Criterion B. Although an example of Victorian architecture, it is not a notable example of this style and does not appear to be eligible for inclusion under Criterion C. The structure does not appear likely to yield important historical information, thus it does not appear eligible for inclusion under Criterion D.

In addition, the structure is somewhat lacking in historic integrity, having suffered significant modification since its original construction.

Continued from B12:

Appraiser's Office, County of Santa Cruz
2019 Appraiser's records for 1008 Ocean Street.

Assessor's Office, County of Santa Cruz
2019 Record search of assessed value and associated taxes for 1008 Ocean Street.

Calloway, S. and E. Cromley
1996 *The Elements of Style: A Practical Encyclopedia of Interior Architectural Details from 1485 to the Present, Revised Edition.* Simon & Schuster, New York.

Hoover, M. et al
1966 Historic Spots in California. Stanford University Press, Stanford California.

McAlester, V. and L. McAlester
1997 *A Field Guide to American Houses*. Alfred A. Knopf, New York.

Recorder's Office, County of Santa Cruz
2019 Record search of recorded information for 1008 Ocean Street.

US Department of the Interior
1990 The Secretary of the Interior's Standards for Rehabilitation and Guidelines for Rehabilitating Historic Buildings

US Department of the Interior
1982 Bulletin 15 – "How to Apply the National Register Criteria for Evaluation."

Whiffen, M.
1992 *American Architecture since 1780, Revised Edition*. The MIT Press, Cambridge, MA.



Photo 1: View of the front façade of 1008 Ocean Street.



Photo 2: View of the upper story on the front façade.



Photo 3: View of the lower story and window bay.



Photo 4: View of the entry area at 1008 Ocean Street.



Photo 5: View along the northern façade.



Photo 6: View of the southern façade, note large side addition.



Photo 7: View of the side addition from the south.



Photo 8: View of the rear entries on the southern façade.



Photo 9: Another view of the rear entries.



Photo 10: View of the rear portion of the home from the northeast.



Photo 11: View of the upper portion of the rear of the residence.



Photo 12: View of the lower portion of the rear of the residence.

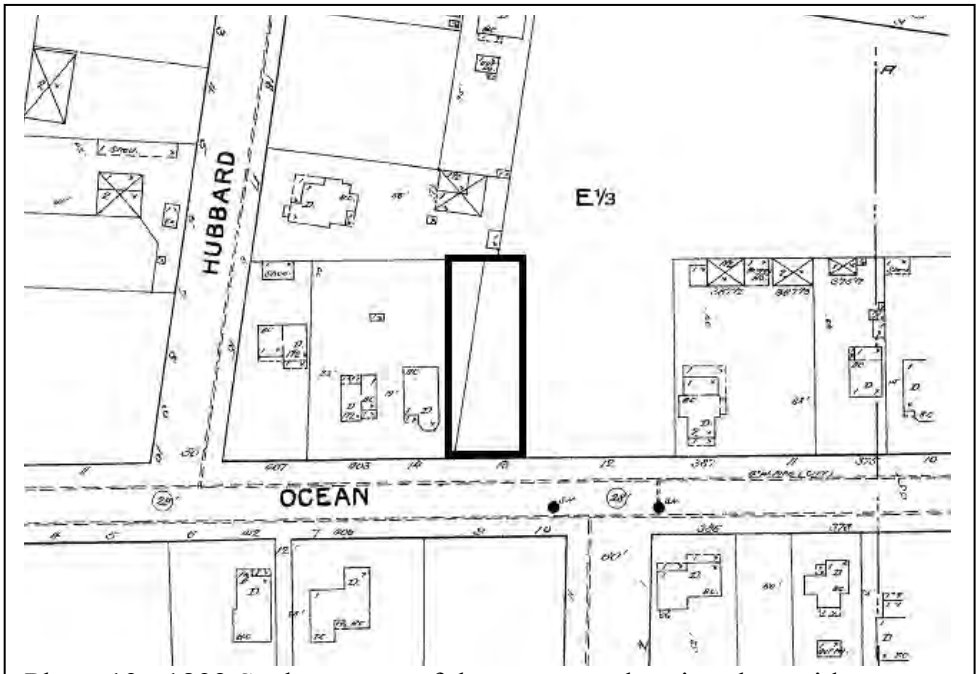


Photo 13: 1892 Sanborn map of the property showing the residence was not present at that time.

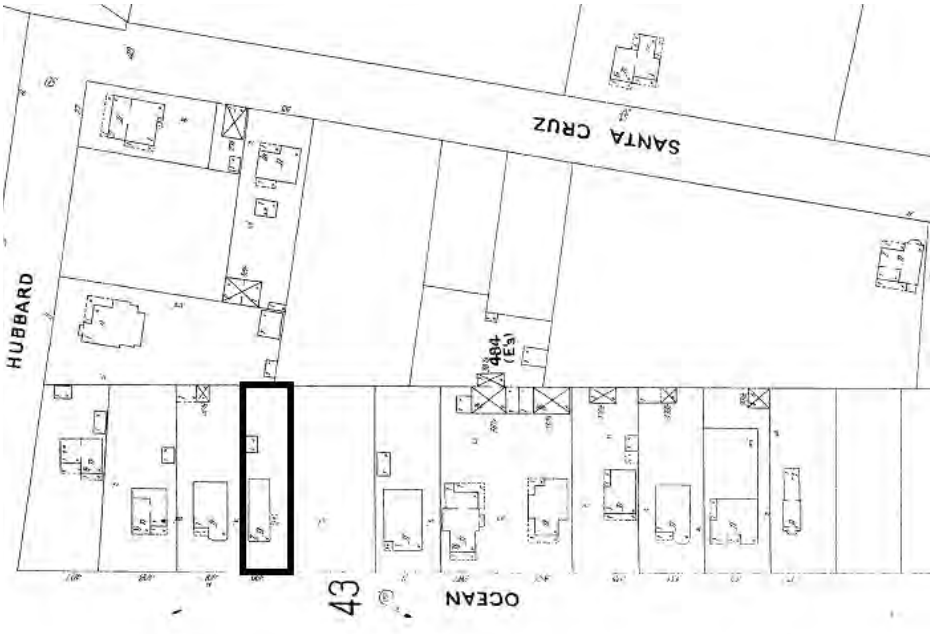


Photo 14: 1905 Sanborn map of the property showing the subject structure.

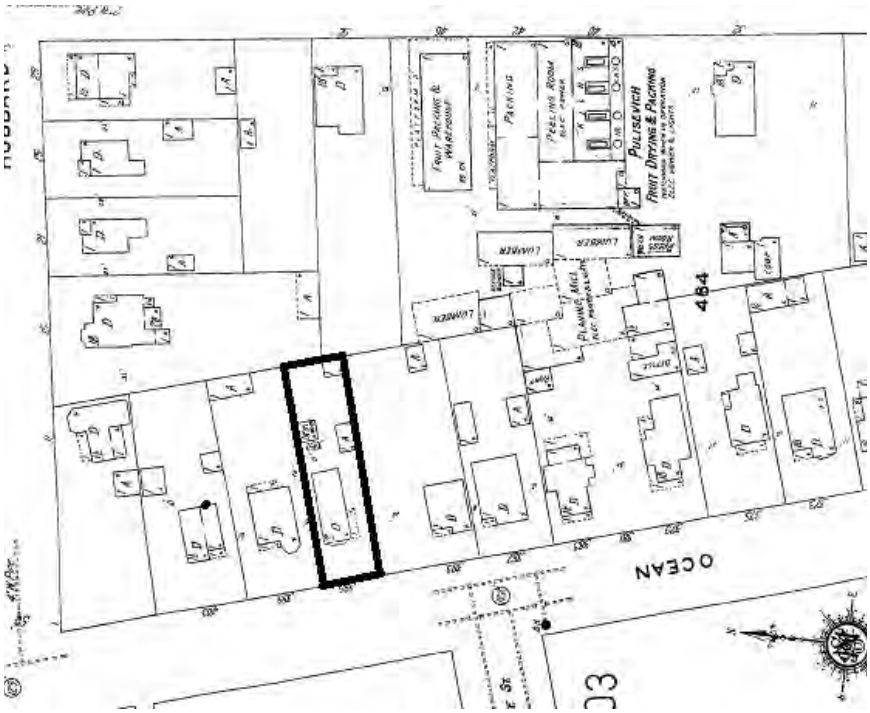


Photo 15: 1905 Sanborn map of the property showing the subject structure, Note partial side addition.

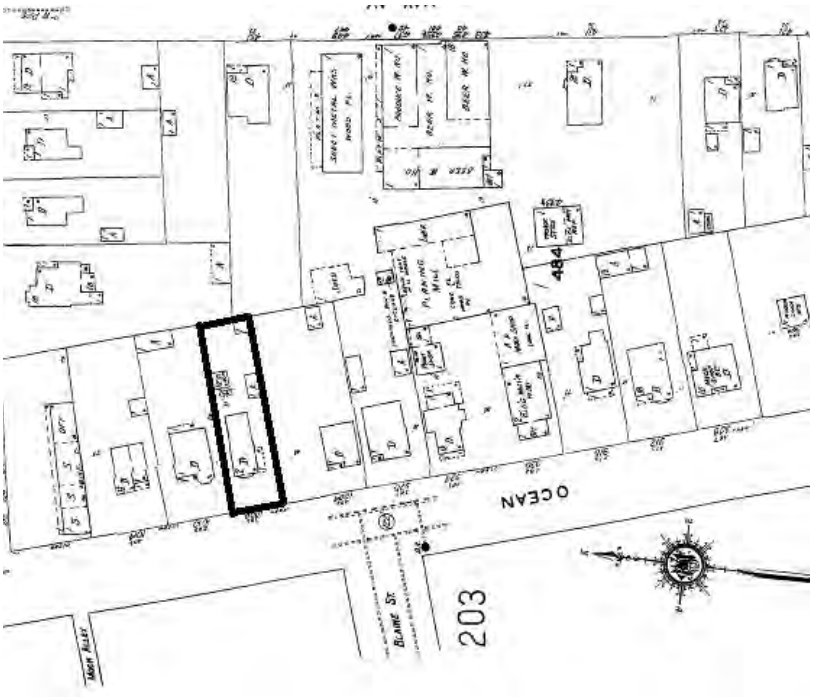


Photo 16: 1950 Sanborn Map showing the subject structure.

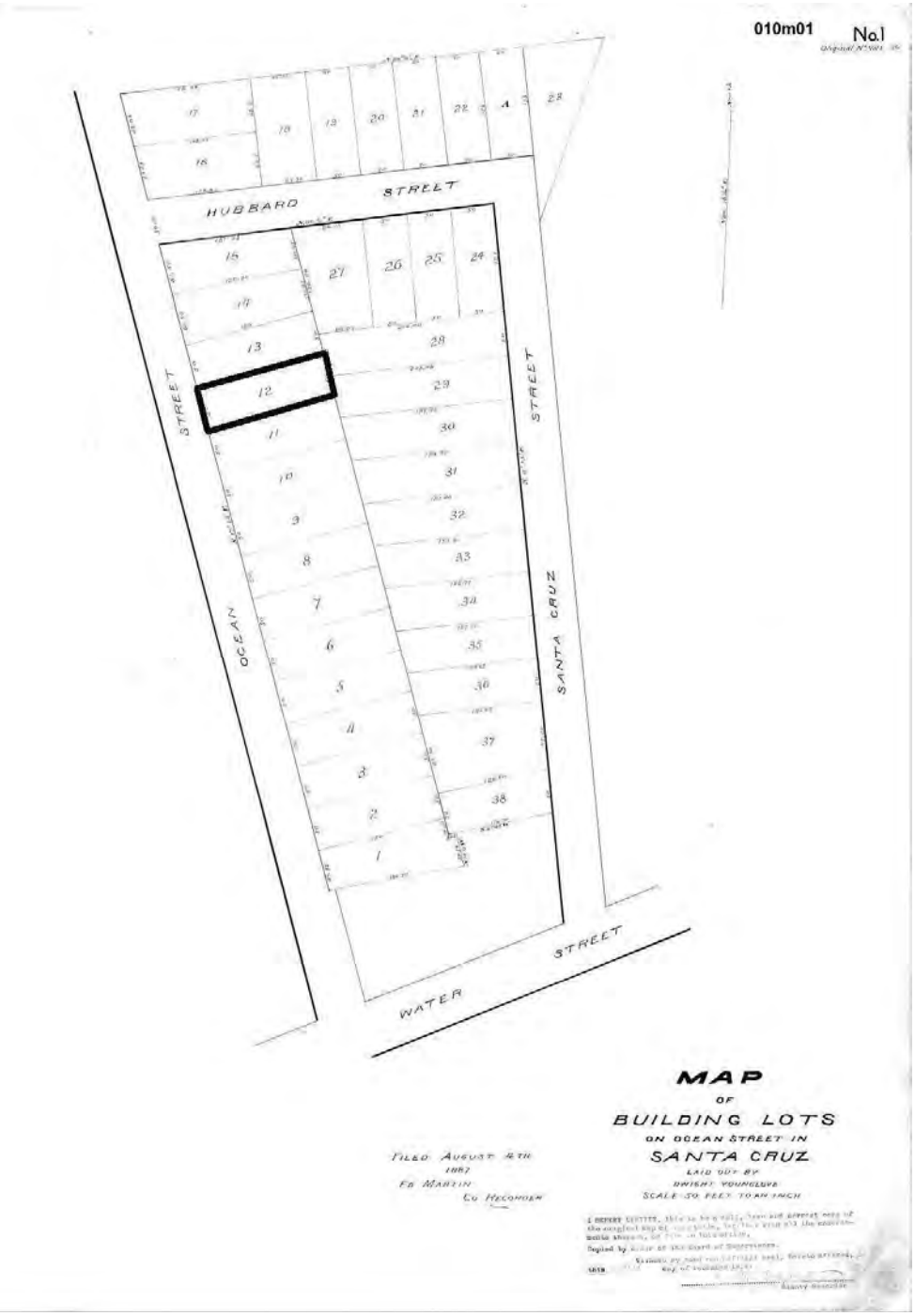


Photo 17: The Subject property as shown on the "Map of the Building Lots on Ocean Street in Santa Cruz, 1887" (Lot #12).

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary # _____
HRI # _____
Trinomial _____
NRHP Status Code _____
Other Listings _____
Review Code _____ **Reviewer** _____ **Date** _____

Page _1_ **of** 15 **Resource Name or #** 1004 Ocean Street

P1. Other Identifier: _____

P2. Location: ____ **Not for Publication** _x_ **Unrestricted** ***a. County** Santa Cruz

and (P2b and P2c or P2d. Attach a Location Map as necessary.)

***b. USGS 7.5' Quad:** Santa Cruz,CA **Date:** 2012 **T** ; **R** ; **1/4 of** **1/4 of Sec** ; **BM**

c. Address: 1004 Ocean Street **City:** Santa Cruz **Zip:** 95060

d. UTM: 10S 5 87 098mE/40 93 169mN

e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate)

APN: 008 331 30

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries.)

The structure at 1004 Ocean Street is a single story Neoclassical style residence in fair condition. Hipped and of moderate pitch, the roof is surfaced with composition shingles. The eaves are narrow, with enclosed rafters. Exterior walls are surfaced with horizontal wooden siding. Fenestration throughout the home consists primarily of wooden framed windows in a double-hung sash configuration. The most notable feature of the front façade is a centrally placed dormer, characteristic of the Neoclassical style. The recessed entry and porch are located within the roofline, and supported by simple classical columns.

***P3b. Resource Attributes:** HP02 (Single Family Res)

***P4. Resources Present:** x Building Structure Object District Element of District Site Other

P5a. Photo or drawing (Photo required for buildings, structures, objects.)



P5b. Description of Photo: (View, date, accession #)
View of the front façade of 1004 Ocean Street

***P6. Date Constructed/Age and Sources**

Historic x Prehistoric Both

Constructed 1908 based on County of Santa Cruz Appraiser's records.

***P7. Owner and Address:**

SE-Santa Cruz, LLC
1777 Saratoga Ave, Suite 210
San Jose, CA 95129

***P8. Recorded by:**

Robert Cartier
Archaeological Resource Management
496 North 5th Street
San Jose, CA 95112

***P9. Date Recorded:** 11/4/2019

***P10. Survey Type:** Intensive

***P11. Report Citation:** (Cite Survey Report and other sources, or enter "none.")

None

* Attachments: None x Location Map Sketch Map x Continuation Sheet x Building, Structure, and Object Record Archaeological Record District Record Linear Feature Record Milling Station Record Rock Art Record Artifact Record Photographic Record Other (List):

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

Primary # _____
HRI # _____

BUILDING, STRUCTURE, AND OBJECT RECORD

***NRHP Status Code** 1004 Ocean Street

***Resource Name or #** (Assigned by recorder) _____

B1. Historic Name: 393 Ocean Street

B2. Common Name: 1004 Ocean Street

B3. Original Use: Residential **B4. Present Use:** Residential (Vacant)

***B5. Architectural Style:** Neoclassical

***B6. Construction History:** (Construction date, alterations, and date of alterations)

Based upon visual evaluation and available documentation, the primary structure at 1004 Ocean Street was constructed in 1908. Since that time minor modifications have been made to the structure including reroofing.

***B7. Moved?** x **No** ___ **Yes** ___ **Unknown** **Date:** _____ **Original Location:** _____

***B8. Related Features:**

Also present on the property are multiple small informal sheds.

B9a. Architect: unknown **b. Builder:** unknown

***B10. Significance: Theme** Architecture and shelter **Area** Santa Cruz, CA

Period of Significance Horticulture **Property Type** private residential **Applicable Criteria** N/A

The land on which the subject structure now stands consists of Lot #11, as shown on the "Map of Building Lots on Ocean Street in Santa Cruz, laid out by Dwight Younglove," filed August 4, 1887 (Vol. 5 of Maps, Page 46). The structure was constructed in 1908 based upon County of Santa Cruz Appraiser's records. The residence is not present on the 1905 Sanborn Map, however it can be seen on the 1928 and 1950 Sanborn Maps. The earliest known resident of the home was Herbert Olmstead, who is listed at the address (then 393 Ocean Street) in the Santa Cruz City Directory in 1918 and 1920. After a few short term tenants, from 1927 to 1934 the home was occupied by Charles J. Langrish. By 1936 the property was owned by Hannah Holmgreh; on March 31 of that year she deeded a portion of the property to the State of California for the purpose of the expansion of Ocean Street (Book 306 OR, Page 225). From 1938 to 1948 the home was occupied by Gino Reggiardo. By the mid 20th Century the property was owned by George H. and Mabel Wave Wilson. George H. Wilson was the founder of George H. Wilson, Inc., a plumbing and contracting company which has been in business in Santa Cruz for almost 100 years (Gumz 2011). The Wilsons rented the property to Vivian E. Wasgatt from 1950 to 1969. The structure housed Patricia's Antiques from 1977.

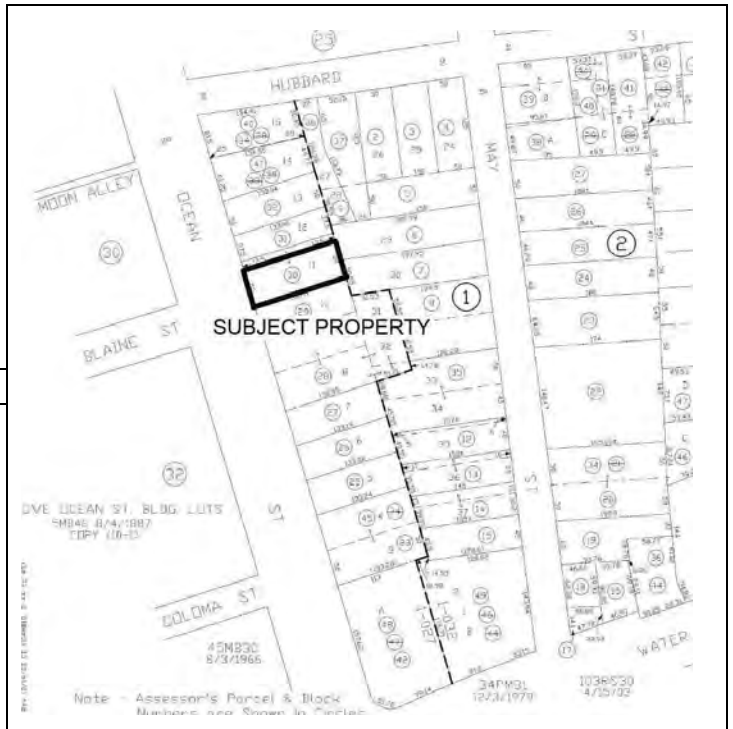
See Continuation Sheet, Page 4

B11. Additional Resource Attributes: (List attributes and codes) N/A

***B12. References:**

See Continuation Sheet, Page 7

B13. Remarks:



***B14. Evaluator:** Robert R. Cartier

***Date of Evaluation:** 11/4/2019

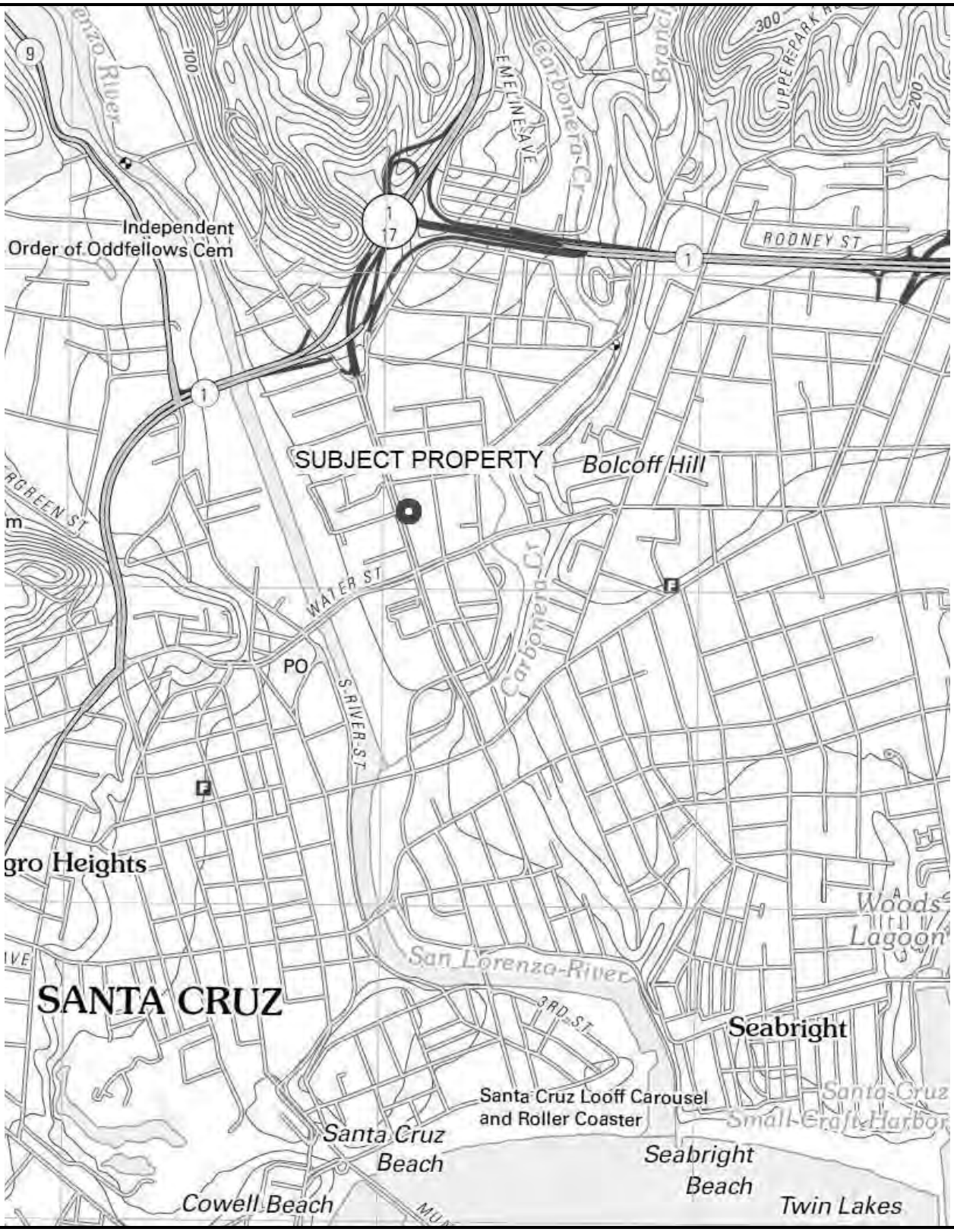
(This space reserved for official comments.)

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

LOCATION MAP

Primary # _____
HRI # _____
Trinomial _____

Page 3 **of** 15 **Resource Name or #** (Assigned by recorder) 1004 Ocean Street
***Map Name:** Santa Cruz, CA ***Scale:** 7.5 Minute ***Date of Map**: 2012



Continued from B10:

On July 14, 1975 the property was sold to T.J. and Shirley Scott, Norman and Diane Bei, and Hugo Bruno Tottino (Book 2521, Page 688). From that time to the present the structure has been occupied by a number of short term tenants. On July 26, 2005 the property was transferred to Bei-Scott Co., LLC (Assessor's Doc#2005-0050952). The property was transferred again on October 6, 2017, to SE-Santa Cruz, LLC, who are the current owners (Assessor's Doc#2017-0033544).

City of Santa Cruz Historic Preservation Ordinance

According to the City of Santa Cruz Historic Preservation Ordinance (Ordinance #2003-14). A property shall be determined eligible for inclusion in the City of Santa Cruz Historic Building Survey based upon the following Criteria:

The property is either a building, site, or object that is:

1. Recognized as a significant example of the cultural, natural, archaeological, or built heritage of the city, state, or nation; and/or

2. Associated with a significant local, state, or national event; and/or

3. Associated with a person or persons who significantly contributed to the development of the city, state, or nation; and/or

4. Associated with an architect, designer, or builder whose work has influenced the development of the city, state, or nation; and/or

5. Recognized as possessing special aesthetic merit or value as a building with quality of architecture and that retains sufficient features showing its architectural significance; and/or

6. Recognized as possessing distinctive stylistic characteristics or workmanship significant for the study of a period, method of construction, or use of native materials; and/or

7. Retains sufficient integrity to accurately convey its significance.

Or a district which is:

8. Recognized as a geographically definable area possessing a significant concentration of buildings that are well designed and other structures, sites, and objects which are united by past events or by a plan or physical development; or is

9. Recognized as an established and geographically definable neighborhood united by culture, architectural styles or physical development.

The structure at 1004 Ocean Street is not currently listed in the City of Santa Cruz Historic Building Survey. In addition, it does not appear eligible for listing in this register. The structure is not recognized as a significant example of the built heritage of the city, and thus does not appear eligible for listing under Criterion 1. It is not associated with significant historic events, and thus does not appear eligible for listing under Criterion 2. It is not associated with historically significant persons, thus it does not appear eligible for listing under Criterion 3. It is not known to be the work of an architect or builder of note, and thus does not appear eligible for listing under Criterion 4. It does not possess special aesthetic or architectural merit, and thus does not appear eligible under Criterion 5. Although it is an example of Neoclassical architecture, it is not a notable example of this style and does not appear eligible for inclusion under Criterion 6. In addition, the structure has suffered some modifications, and is somewhat lacking in integrity. Thus it does not appear to be eligible for inclusion under Criterion 7. The structure is not a part of an historic district, and thus Criteria 8 and 9 do not apply.

California Register of Historic Resources Criteria

A cultural resource is considered "significant" if it qualifies as eligible for listing in the California Register of Historic Resources (CRHR). Properties that are eligible for listing in the CRHR must meet one or more of the following criteria:

1. Association with events that have made a significant contribution to the broad patterns of local or regional history or the cultural heritage of California or the United States;
2. Association with the lives of persons important to local, California, or national history;
3. Embodying the distinctive characteristics of a type, period, region, or method of construction, or representing the work of a master, or possessing high artistic values; or
4. Has yielded, or has the potential to yield, information important to the prehistory or history of the local area, California, or the nation.

A property may be automatically listed in the CRHR if it is formally determined eligible for the National Register of Historic Places. Properties that are formally determined eligible for the NRHP are those that are designated as such through one of the federal preservation programs administered by the California Office of Historic Preservation (i.e., the National Register, Tax Certification, and Section 106 review of federal undertakings).

The CRHR interprets the integrity of a cultural resource based upon its physical authenticity. An historic cultural resource must retain its historic character or appearance and thus be recognizable as an historic resource. Integrity is evaluated by examining the subject's location, design, setting, materials, workmanship, feeling, and association. If the subject has retained these qualities, it may be said to have integrity. It is possible that a cultural resource may not retain sufficient integrity to be listed in the National Register of Historic Places yet still be eligible for listing in the CRHR. If a cultural resource retains the potential to convey significant historical/scientific data, it may be said to retain sufficient integrity for potential listing in the CRHR.

The property at 1004 Ocean Street is not currently listed on the CRHR. In addition the structure does not appear to be eligible for inclusion in this register. The structure is not associated with significant events and thus it does not appear to be eligible for listing under Criterion 1. The structure is not associated with the lives of historically significant people, thus it does not appear to be eligible for inclusion under Criterion 2. The structure is an example of Neoclassical architecture, however it is not a notable example. Thus it does not appear to be eligible for listing under Criterion 3. The structure does not appear to have the potential to yield information important to history, and thus does not appear to be potentially eligible for listing under Criterion 4.

National Register Criteria

The National Register of Historic Places was first established in 1966, with major revisions in 1976. The register is set forth in 36 CFR 60 which establishes the responsibilities of the State Historic Preservation Officers (SHPO), standards for their staffs and review boards, and describes the statewide survey and planning process for historic preservation. Within this regulation guidelines are set forth concerning the National Register of Historic Places (36 CFR 60.6). In addition, further regulations are found in 36 CFR 63-66, 800, and Bulletin 15 which define procedures for determination of eligibility, identification of historic properties, recovery, reporting, and protection procedures. The National Register of Historic Places was established to recognize resources associated with the accomplishments of all peoples who have contributed to the country's history and heritage. Guidelines were designed for Federal and State agencies in nominating cultural resources to the National Register. These guidelines are based upon integrity and significance of the resource. Integrity applies to specific items such as location, design, setting, materials, workmanship, feeling, and association. Quality of significance in American history, architecture, archaeology, engineering and culture is present in resources that possess integrity of location, design, setting, materials, workmanship, feeling, and association, and meet at least one of the following criteria:

A. that are associated with events that have made a significant contribution to broad patterns of our history;
B. that are associated with the lives of persons significant in our past;
C. that embody distinctive characteristics of type, period, or method of construction, or that represent the work of master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction;
D. that have yielded, or are likely to yield, information important in prehistory or history.

Integrity is defined in Bulletin 15: How to Apply the National Register Criteria for Evaluation, (U.S. Department of the Interior, National Park Service 1982) as:

the authenticity of a property's historic identity, evidenced by the survival of physical characteristics that existed during the property's historic or prehistoric period. If a property retains the physical characteristics it possessed in the past then it has the capacity to convey association with historical patterns or persons, architectural or engineering design and technology, or information about a culture or peoples.

There are also seven aspects of integrity which are used. These aspects are:

1. location
2. design
3. setting
4. materials
5. Workmanship
6. Feeling
7. Association

The structure at 1004 Ocean Street is not currently listed on the National Register of Historic Places. In addition the structure does not appear to be eligible for inclusion in this register. The property is not associated with any known significant historical events, thus it does not appear to be eligible under Criterion A. The structure is not associated with historically significant persons, thus it does not appear to be eligible for inclusion in the NRHP under Criterion B. Although an example of Neoclassical architecture, it is not a notable example of this style and does not appear to be eligible for inclusion under Criterion C. The structure does not appear likely to yield important historical information, thus it does not appear eligible for inclusion under Criterion D.

In addition, the structure is somewhat lacking in historic integrity, having suffered minor modifications since its original construction.

Continued from B12:

Appraiser's Office, County of Santa Cruz
2019 Appraiser's records for 1004 Ocean Street.

Assessor's Office, County of Santa Cruz
2019 Record search of assessed value and associated taxes for 1004 Ocean Street.

Calloway, S. and E. Cromley
1996 *The Elements of Style: A Practical Encyclopedia of Interior Architectural Details from 1485 to the Present, Revised Edition.* Simon & Schuster, New York.

Gumz, Jondi
2011 Geo. H. Wilson Inc. to celebrate 90 years. Article in the Santa Cruz Sentinel, June 23, 2011.

Hoover, M. et al
1966 Historic Spots in California. Stanford University Press, Stanford California.

McAlester, V. and L. McAlester
1997 *A Field Guide to American Houses*. Alfred A. Knopf, New York.

Recorder's Office, County of Santa Cruz
2019 Record search of recorded information for 1004 Ocean Street.

US Department of the Interior
1990 The Secretary of the Interior's Standards for Rehabilitation and Guidelines for Rehabilitating Historic Buildings

US Department of the Interior
1982 Bulletin 15 – "How to Apply the National Register Criteria for Evaluation."

Whiffen, M.
1992 *American Architecture since 1780, Revised Edition*. The MIT Press, Cambridge, MA.



Photo 1: View of the front façade of 1004 Ocean Street



Photo 2: View of the centrally placed dormer.



Photo 3: View of the recessed porch and entry.



Photo 4: Oblique view showing the northwest corner of the structure.



Photo 5: View along the northern façade.



Photo 6: View of the rear portion of the northern façade.



Photo 7: View along the northern façade from the east.



Photo 8: View of the (mostly obscured) southern façade.



Photo 9: View of the rear of the structure.



Photo 10: View of the rear entry.



Photo 11: 1892 Sanborn map of the property showing the residence was not present at that time.

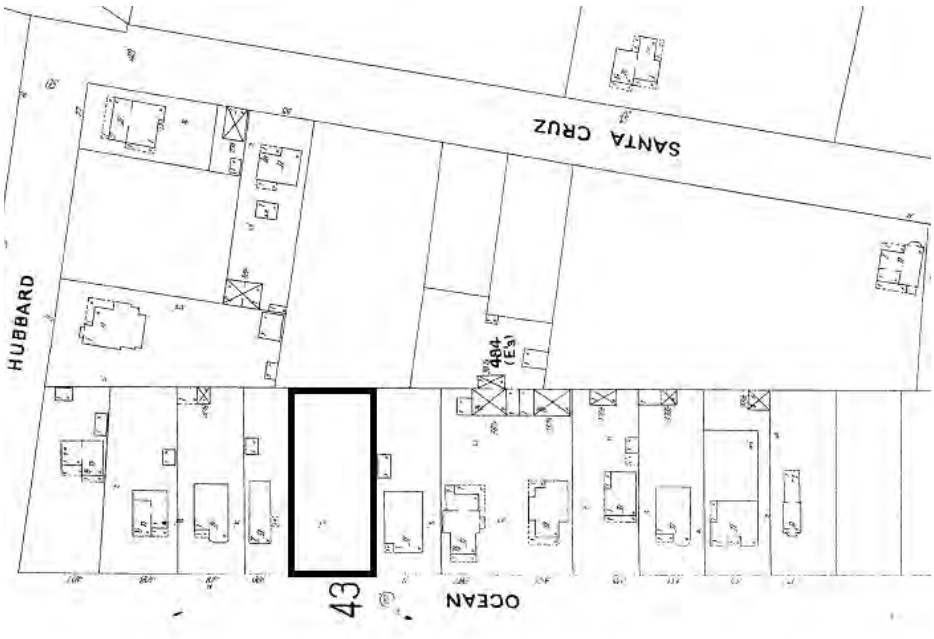


Photo 12: 1905 Sanborn map of the property showing the residence was not present at that time.

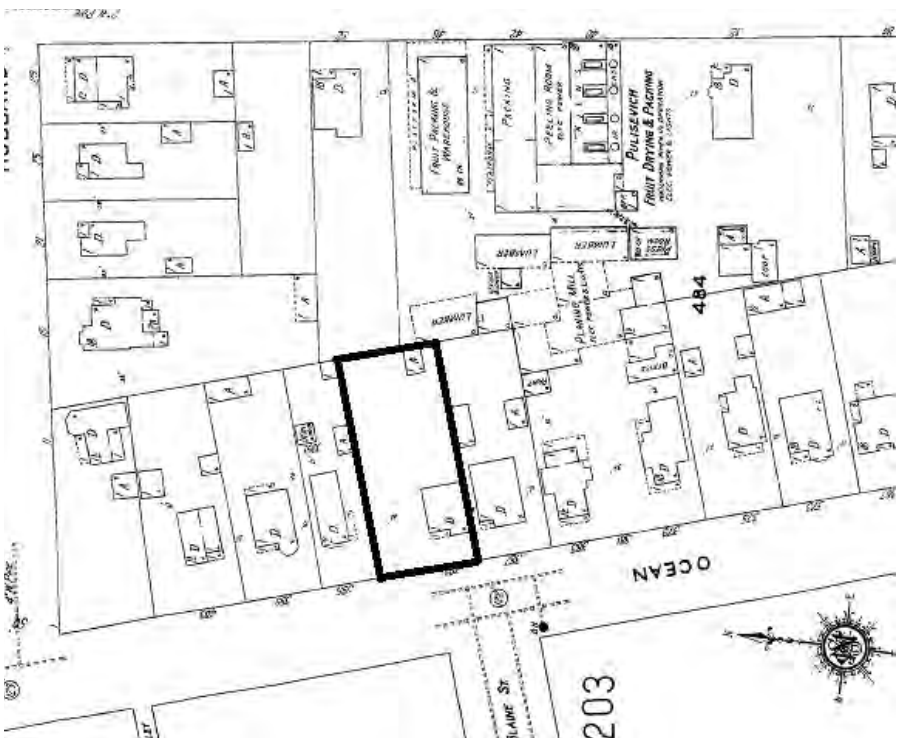


Photo 13: 1928 Sanborn map of the property showing the residence.

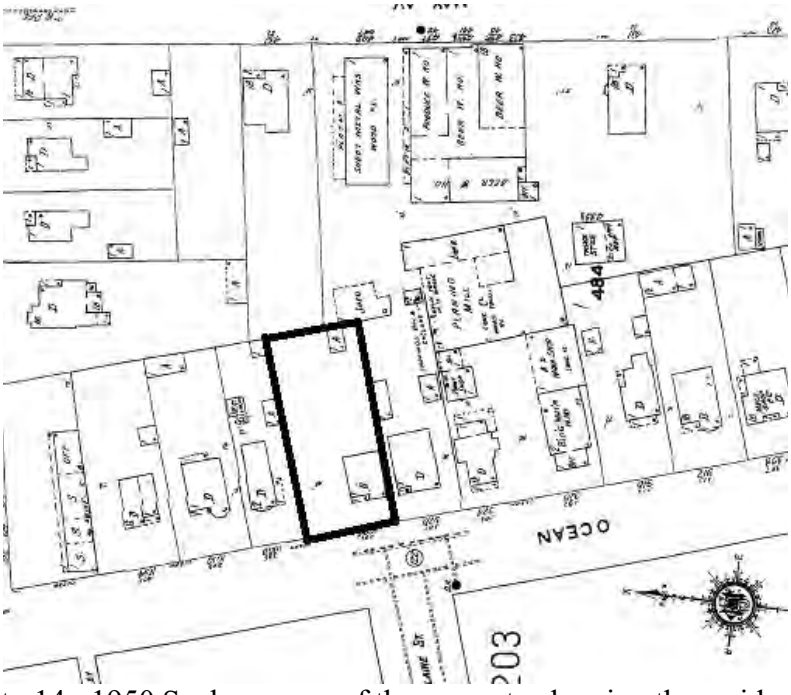


Photo 14: 1950 Sanborn map of the property showing the residence

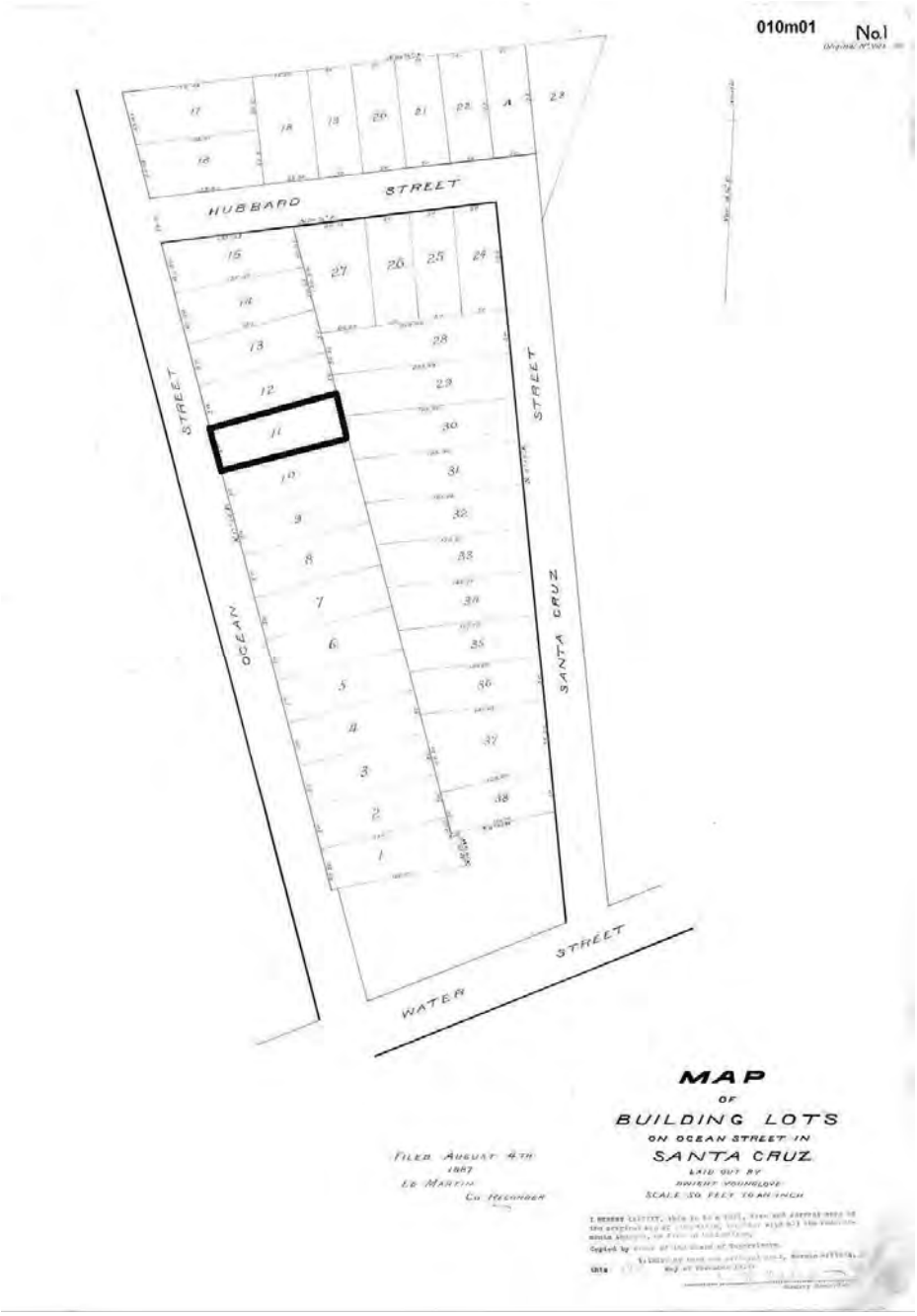


Photo 15: The Subject property as shown on the "Map of the Building Lots on Ocean Street in Santa Cruz, 1887" (Lot #11).

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary # _____
HRI # _____
Trinomial _____
NRHP Status Code _____
Other Listings _____
Review Code _____ **Reviewer** _____ **Date** _____

Page 1 **of** 16 **Resource Name or #** 928 Ocean Street

P1. Other Identifier: _____

P2. Location: ____ **Not for Publication** x **Unrestricted** ***a. County** Santa Cruz

and (P2b and P2c or P2d. Attach a Location Map as necessary.)

***b. USGS 7.5' Quad:** Santa Cruz,CA **Date:** 2012 **T** ; **R** ; **1/4 of** **1/4 of Sec** ; **BM**

c. Address: 928 Ocean Street **City:** Santa Cruz **Zip:** 95060

d. UTM: 10S 5 87 098mE/40 93 169mN

e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate)

APN: 008 331 29

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

The structure at 928 Ocean Street is a single story Neoclassical style residence in fair condition. Hipped and of moderate pitch, the roof is surfaced with composition shingles. The eaves are narrow, with boxed and enclosed rafters. Exterior walls are surfaced with horizontal wooden siding. Fenestration throughout the home consists primarily of wooden framed windows in a double-hung sash configuration. The most notable feature of the front façade is a centrally placed, front-gabled dormer, characteristic of the Neoclassical style. The recessed entry and porch are located within the roofline, accessed by a pseudo three-centered arch.

***P3b. Resource Attributes:** HP02 (Single Family Res)

***P4. Resources Present:** x Building __Structure __Object __District __Element of District __Site __Other

P5a. Photo or drawing (Photo required for buildings, structures, objects.)



P5b. Description of Photo: (View, date, accession #)
View of the front façade of 928 Ocean Street

***P6. Date Constructed/Age and Sources**

Historic x Prehistoric Both

Circa 1900. Constructed 1908 based on County of Santa Cruz Appraiser's records, however it is present on the 1905 Sanborn Map of Santa Cruz.

***P7. Owner and Address:**

SE-Santa Cruz, LLC
1777 Saratoga Ave, Suite 210
San Jose, CA 95129

***P8. Recorded by:**

Robert Cartier
Archaeological Resource Management
496 North 5th Street
San Jose, CA 95112

***P9. Date Recorded:** 11/4/2019

***P10. Survey Type:** Intensive

***P11. Report Citation:** (Cite Survey Report and other sources, or enter "none.")

None

* Attachments: __None x Location Map __Sketch Map x Continuation Sheet x Building, Structure, and Object Record __Archaeological Record __District Record __Linear Feature Record __Milling Station Record __Rock Art Record __Artifact Record __Photographic Record __Other (List):

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

Primary # _____
HRI # _____

BUILDING, STRUCTURE, AND OBJECT RECORD

***NRHP Status Code** 928 Ocean Street

***Resource Name or #** (Assigned by recorder) _____

B1. Historic Name: 387 Ocean Street

B2. Common Name: 928 Ocean Street

B3. Original Use: Residential **B4. Present Use:** Residential (rental)

***B5. Architectural Style:** Neoclassical

***B6. Construction History:** (Construction date, alterations, and date of alterations)

Based upon visual evaluation and available documentation, the primary structure at 928 Ocean Street was constructed Circa 1900. Since its original construction minor modifications, such as reroofing, have been made to the structure.

***B7. Moved?** x **No** ___ **Yes** ___ **Unknown** **Date:** _____ **Original Location:** _____

***B8. Related Features:**

Also present on the property is a small shed/detached garage.

B9a. Architect: unknown **b. Builder:** unknown

***B10. Significance: Theme** Architecture and shelter **Area** Santa Cruz, CA

Period of Significance Horticulture **Property Type** private residential **Applicable Criteria** N/A

The land on which the subject structure now stands consists of Lot #10, as shown on the "Map of Building Lots on Ocean Street in Santa Cruz, laid out by Dwight Younglove," filed August 4, 1887 (Vol. 5 of Maps, Page 46). County of Santa Cruz Appraiser's records list the home as having been constructed in 1908, however it is present on the 1905 Sanborn Map of Santa Cruz. Thus based upon visual evaluation and available documentation, the residence was constructed Circa 1900. The earliest known residents of the property were Bertram H. and Ida Izant, who are listed at the property address (then 387 Ocean Street) from 1916 to 1920. Bertram was employed as a foreman at Bryne Bro's. By 1921 the property was owned and occupied by Henry M. and Iowa Rees. In 1936 they deeded a portion of the property to the State of California for the purpose of the expansion of Ocean Street (Book 304 OR, Page 383). Henry Rees died on April 21, 1954, and on March 20, 1964 the property was granted by his estate to Elsie Marie Foote (Book 1605 OR, Page 507). From 1953 to the late 1980's the property was occupied by Oakley K. Foote. On March 10, 1988 the property was deeded by Elsie Marie Foote to Ronald O. Foote (Book 4295 OR, Page 267).

See Continuation Sheet, Page 4

B11. Additional Resource Attributes: (List attributes and codes) N/A

***B12. References:**

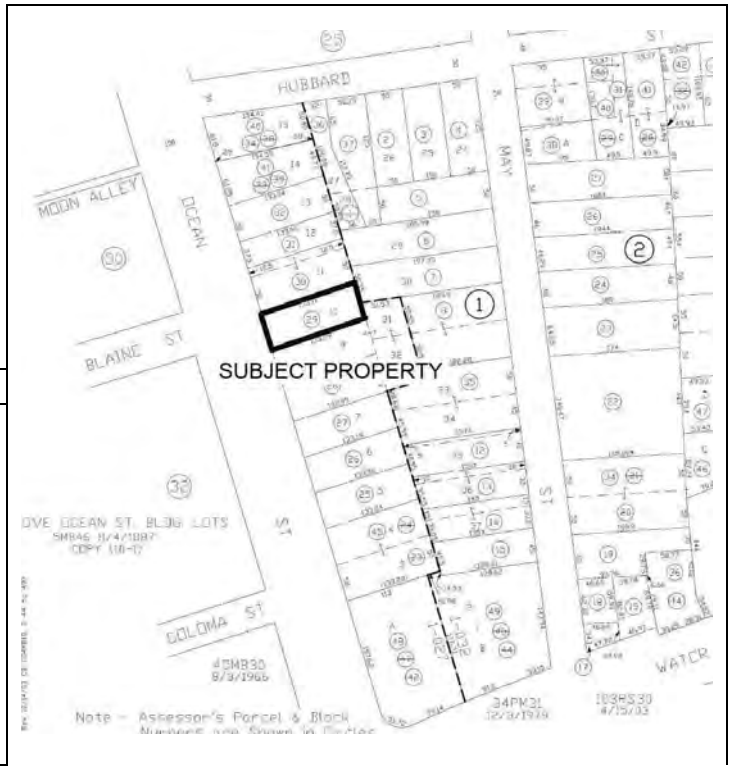
See Continuation Sheet, Page 8

B13. Remarks:

***B14. Evaluator:** Robert R. Cartier

***Date of Evaluation:** 11/4/2019

(This space reserved for official comments.)

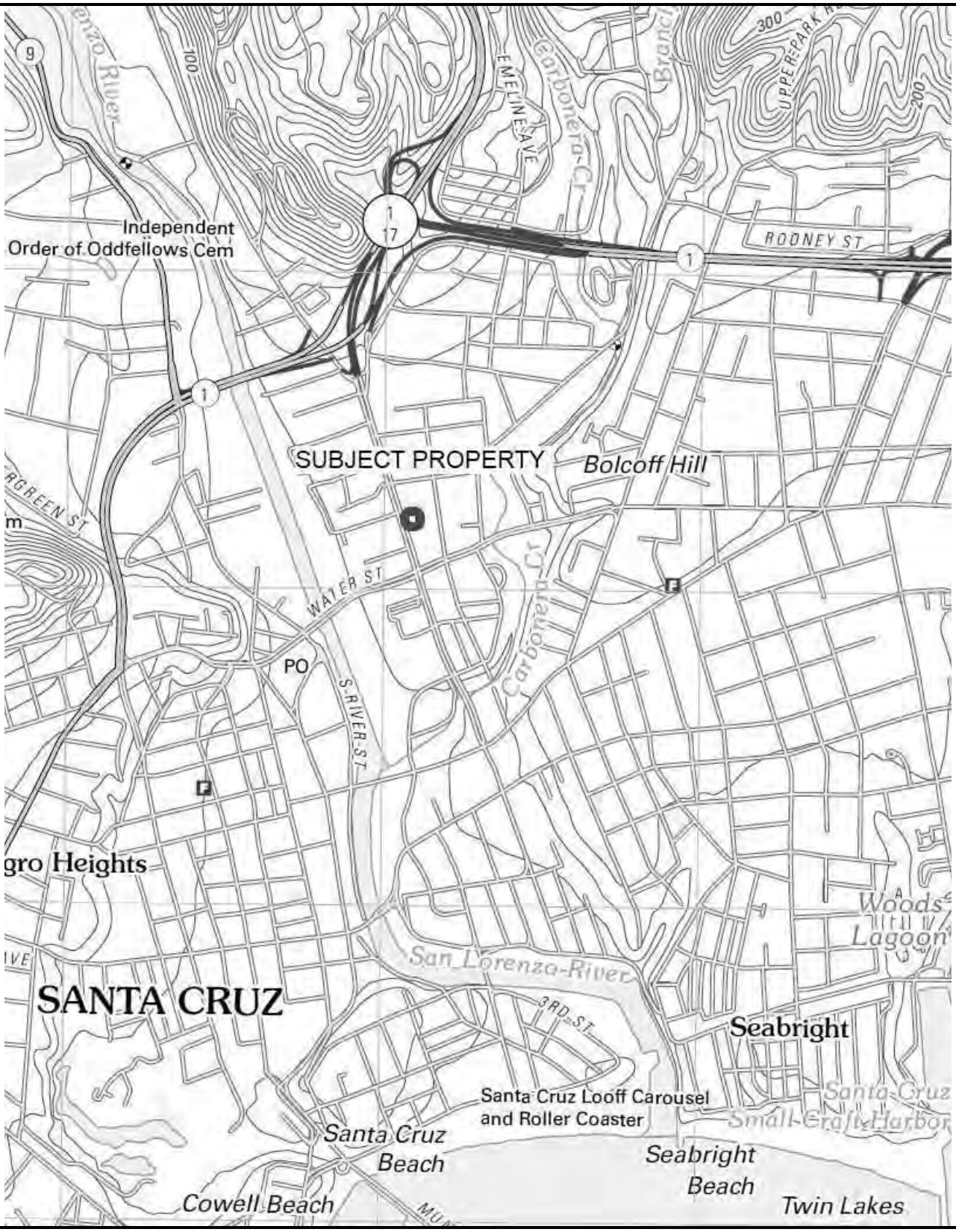


State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

LOCATION MAP

Primary # _____
HRI # _____
Trinomial _____

Page 3 **of** 16 **Resource Name or #** (Assigned by recorder) 928 Ocean Street
***Map Name:** Santa Cruz, CA ***Scale:** 7.5 Minute ***Date of Map**: 2012



Continued from B10:

Ronald O. Foote retained ownership until February 29, 2016, when the property was sold to Maxima and Eritcel Orozco (Assessor's Doc# 2016-6604). On April 16, 2019 the property was sold to SE-Santa Cruz, LLC who are the current owners (Assessor's Doc#2019-9452).

City of Santa Cruz Historic Preservation Ordinance

According to the City of Santa Cruz Historic Preservation Ordinance (Ordinance #2003-14). A property shall be determined eligible for inclusion in the City of Santa Cruz Historic Building Survey based upon the following Criteria:

The property is either a building, site, or object that is:

1. Recognized as a significant example of the cultural, natural, archaeological, or built heritage of the city, state, or nation; and/or

2. Associated with a significant local, state, or national event; and/or

3. Associated with a person or persons who significantly contributed to the development of the city, state, or nation; and/or

4. Associated with an architect, designer, or builder whose work has influenced the development of the city, state, or nation; and/or

5. Recognized as possessing special aesthetic merit or value as a building with quality of architecture and that retains sufficient features showing its architectural significance; and/or

6. Recognized as possessing distinctive stylistic characteristics or workmanship significant for the study of a period, method of construction, or use of native materials; and/or

7. Retains sufficient integrity to accurately convey its significance.

Or a district which is:

8. Recognized as a geographically definable area possessing a significant concentration of buildings that are well designed and other structures, sites, and objects which are united by past events or by a plan or physical development; or is

9. Recognized as an established and geographically definable neighborhood united by culture, architectural styles or physical development.

The structure at 928 Ocean Street is not currently listed in the City of Santa Cruz Historic Building Survey. In addition, it does not appear eligible for listing in this register. The structure is not recognized as a significant example of the built heritage of the city, and thus does not appear eligible for listing under Criterion 1. It is not associated with significant historic events, and thus does not appear eligible for listing under Criterion 2. It is not associated with historically significant persons, thus it does not appear eligible for listing under Criterion 3. It is not known to be the work of an architect or builder of note, and thus does not appear eligible for listing under Criterion 4. It does not possess special aesthetic or architectural merit, and thus does not appear eligible under Criterion 5. Although it is an example of Neoclassical architecture, it is not a notable example of this style and does not appear eligible for inclusion under Criterion 6. In addition, the structure has suffered minor modifications, and is somewhat lacking in integrity. Thus it does not appear to be eligible for inclusion under Criterion 7. The structure is not a part of an historic district, and thus Criteria 8 and 9 do not apply.

California Register of Historic Resources Criteria

A cultural resource is considered "significant" if it qualifies as eligible for listing in the California Register of Historic Resources (CRHR). Properties that are eligible for listing in the CRHR must meet one or more of the following criteria:

1. Association with events that have made a significant contribution to the broad patterns of local or regional history or the cultural heritage of California or the United States;
2. Association with the lives of persons important to local, California, or national history;
3. Embodying the distinctive characteristics of a type, period, region, or method of construction, or representing the work of a master, or possessing high artistic values; or
4. Has yielded, or has the potential to yield, information important to the prehistory or history of the local area, California, or the nation.

A property may be automatically listed in the CRHR if it is formally determined eligible for the National Register of Historic Places. Properties that are formally determined eligible for the NRHP are those that are designated as such through one of the federal preservation programs administered by the California Office of Historic Preservation (i.e., the National Register, Tax Certification, and Section 106 review of federal undertakings).

The CRHR interprets the integrity of a cultural resource based upon its physical authenticity. An historic cultural resource must retain its historic character or appearance and thus be recognizable as an historic resource. Integrity is evaluated by examining the subject's location, design, setting, materials, workmanship, feeling, and association. If the subject has retained these qualities, it may be said to have integrity. It is possible that a cultural resource may not retain sufficient integrity to be listed in the National Register of Historic Places yet still be eligible for listing in the CRHR. If a cultural resource retains the potential to convey significant historical/scientific data, it may be said to retain sufficient integrity for potential listing in the CRHR.

The property at 928 Ocean Street is not currently listed on the CRHR. In addition the structure does not appear to be eligible for inclusion in this register. The structure is not associated with significant events and thus it does not appear to be eligible for listing under Criterion 1. The structure is not associated with the lives of historically significant people, thus it does not appear to be eligible for inclusion under Criterion 2. The structure is an example of Noeclassical architecture, however it is not a notable example. Thus it does not appear to be eligible for listing under Criterion 3. The structure does not appear to have the potential to yield information important to history, and thus does not appear to be potentially eligible for listing under Criterion 4.

National Register Criteria

The National Register of Historic Places was first established in 1966, with major revisions in 1976. The register is set forth in 36 CFR 60 which establishes the responsibilities of the State Historic Preservation Officers (SHPO), standards for their staffs and review boards, and describes the statewide survey and planning process for historic preservation. Within this regulation guidelines are set forth concerning the National Register of Historic Places (36 CFR 60.6). In addition, further regulations are found in 36 CFR 63-66, 800, and Bulletin 15 which define procedures for determination of eligibility, identification of historic properties, recovery, reporting, and protection procedures. The National Register of Historic Places was established to recognize resources associated with the accomplishments of all peoples who have contributed to the country's history and heritage. Guidelines were designed for Federal and State agencies in nominating cultural resources to the National Register. These guidelines are based upon integrity and significance of the resource. Integrity applies to specific items such as location, design, setting, materials, workmanship, feeling, and association. Quality of significance in American history, architecture, archaeology, engineering and culture is present in resources that possess integrity of location, design, setting, materials, workmanship, feeling, and association, and meet at least one of the following criteria:

A. that are associated with events that have made a significant contribution to broad patterns of our history;
B. that are associated with the lives of persons significant in our past;
C. that embody distinctive characteristics of type, period, or method of construction, or that represent the work of master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction;
D. that have yielded, or are likely to yield, information important in prehistory or history.

Integrity is defined in Bulletin 15: How to Apply the National Register Criteria for Evaluation, (U.S. Department of the Interior, National Park Service 1982) as:

the authenticity of a property's historic identity, evidenced by the survival of physical characteristics that existed during the property's historic or prehistoric period. If a property retains the physical characteristics it possessed in the past then it has the capacity to convey association with historical patterns or persons, architectural or engineering design and technology, or information about a culture or peoples.

There are also seven aspects of integrity which are used. These aspects are:

1. location
2. design
3. setting
4. materials
5. Workmanship
6. Feeling
7. Association

The structure at 928 Ocean Street is not currently listed on the National Register of Historic Places. In addition the structure does not appear to be eligible for inclusion in this register. The property is not associated with any known significant historical events, thus it does not appear to be eligible under Criterion A. The structure is not associated with historically significant persons, thus it does not appear to be eligible for inclusion in the NRHP under Criterion B. Although an example of Neoclassical architecture, it is not a notable example of this style and does not appear to be eligible for inclusion under Criterion C. The structure does not appear likely to yield important historical information, thus it does not appear eligible for inclusion under Criterion D.

Continued from B12:

Appraiser's Office, County of Santa Cruz
2019 Appraiser's records for 928 Ocean Street.

Assessor's Office, County of Santa Cruz
2019 Record search of assessed value and associated taxes for 928 Ocean Street.

Calloway, S. and E. Cromley
1996 *The Elements of Style: A Practical Encyclopedia of Interior Architectural Details from 1485 to the Present, Revised Edition.* Simon & Schuster, New York.

Hoover, M. et al
1966 Historic Spots in California. Stanford University Press, Stanford California.

McAlester, V. and L. McAlester
1997 *A Field Guide to American Houses*. Alfred A. Knopf, New York.

Recorder's Office, County of Santa Cruz
2019 Record search of recorded information for 928 Ocean Street.

US Department of the Interior
1990 The Secretary of the Interior's Standards for Rehabilitation and Guidelines for Rehabilitating Historic Buildings

US Department of the Interior
1982 Bulletin 15 – "How to Apply the National Register Criteria for Evaluation."

Whiffen, M.
1992 *American Architecture since 1780, Revised Edition*. The MIT Press, Cambridge, MA.



Photo 1: View of the front façade of 928 Ocean Street



Photo 2: Another view of the front façade.



Photo 3: Detail of the centrally placed dormer.



Photo 4: View along the southern façade.



Photo 5: View along the southern façade from the rear.



Photo 6: View along the northern façade from the rear.



Photo 7: View of the rear façade.



Photo 8: View of large rear informal dormer.



Photo 9: View of the rear entry.



Photo 10: View of the back yard.



Photo 11: View of the front façade of the shed/garage.



Photo 12: Oblique view of the shed/garage.



Photo 13: 1892 Sanborn map of the property showing the residence was not present at that time.

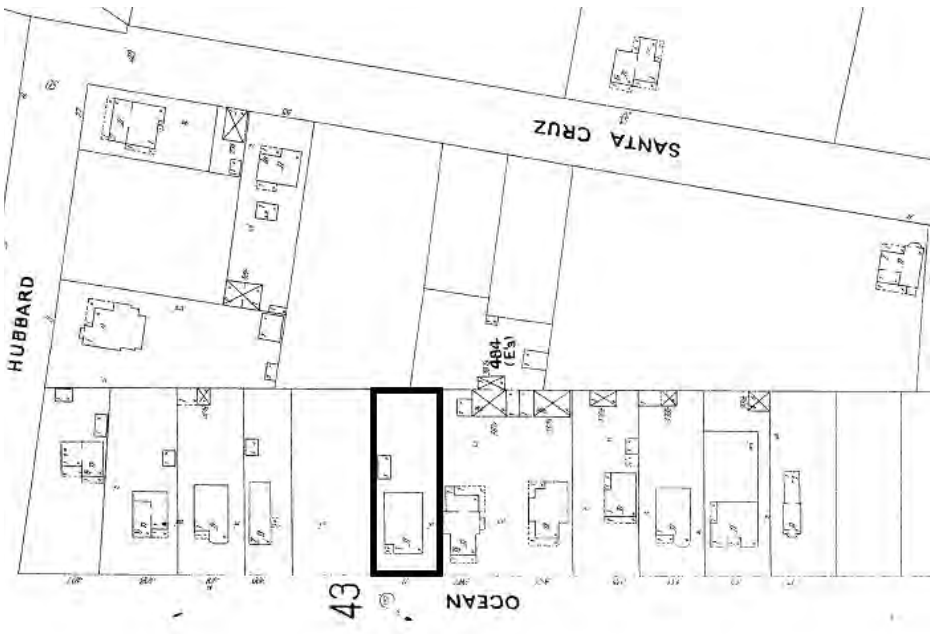


Photo 14: 1905 Sanborn map of the property showing the residence.

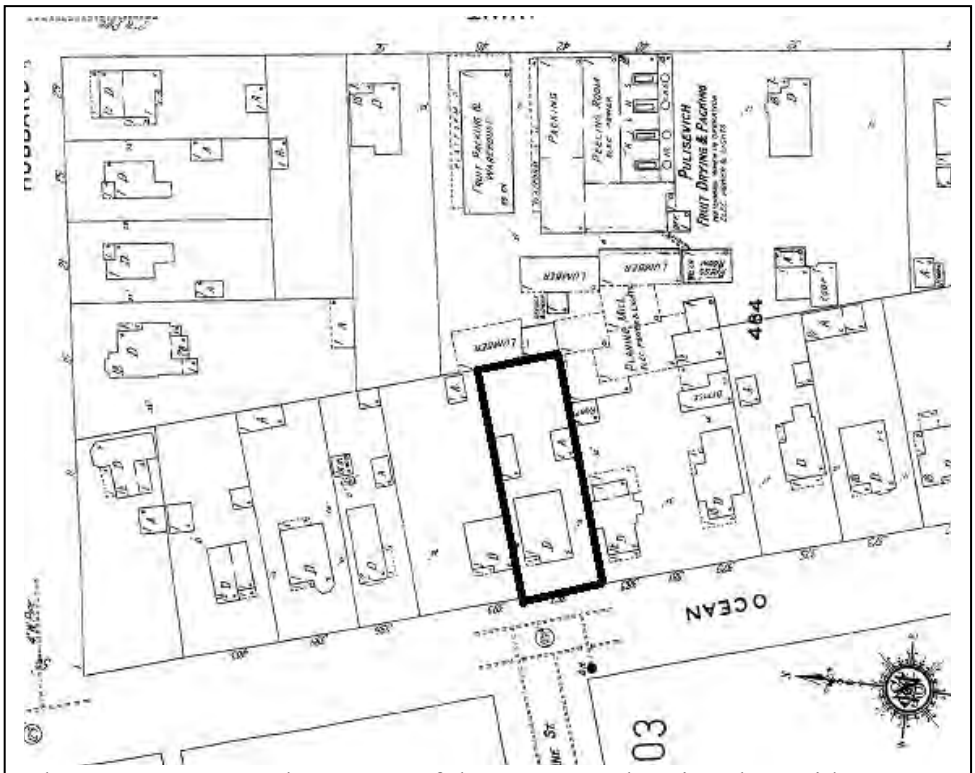


Photo 15: 1928 Sanborn map of the property showing the residence.

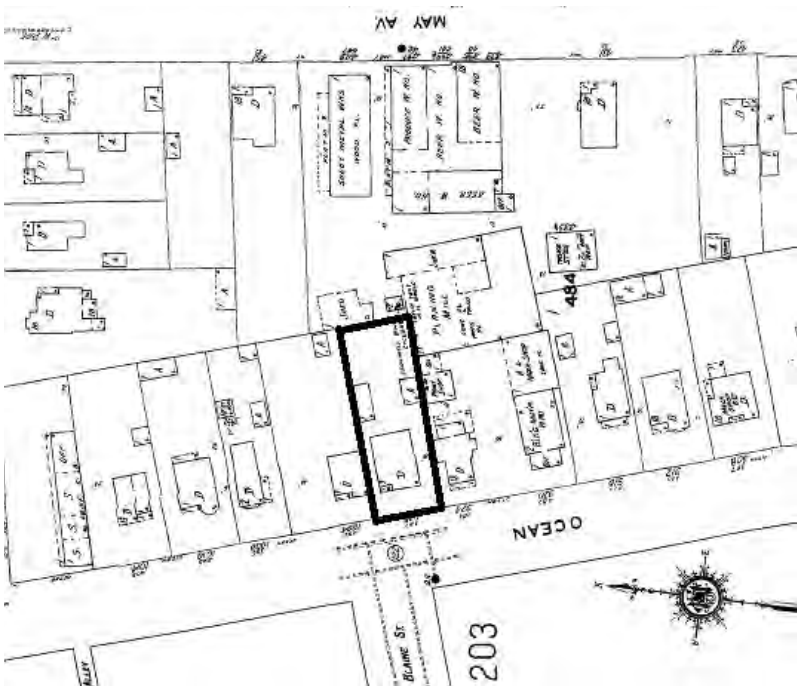


Photo 16: 1950 Sanborn map of the property showing the residence.

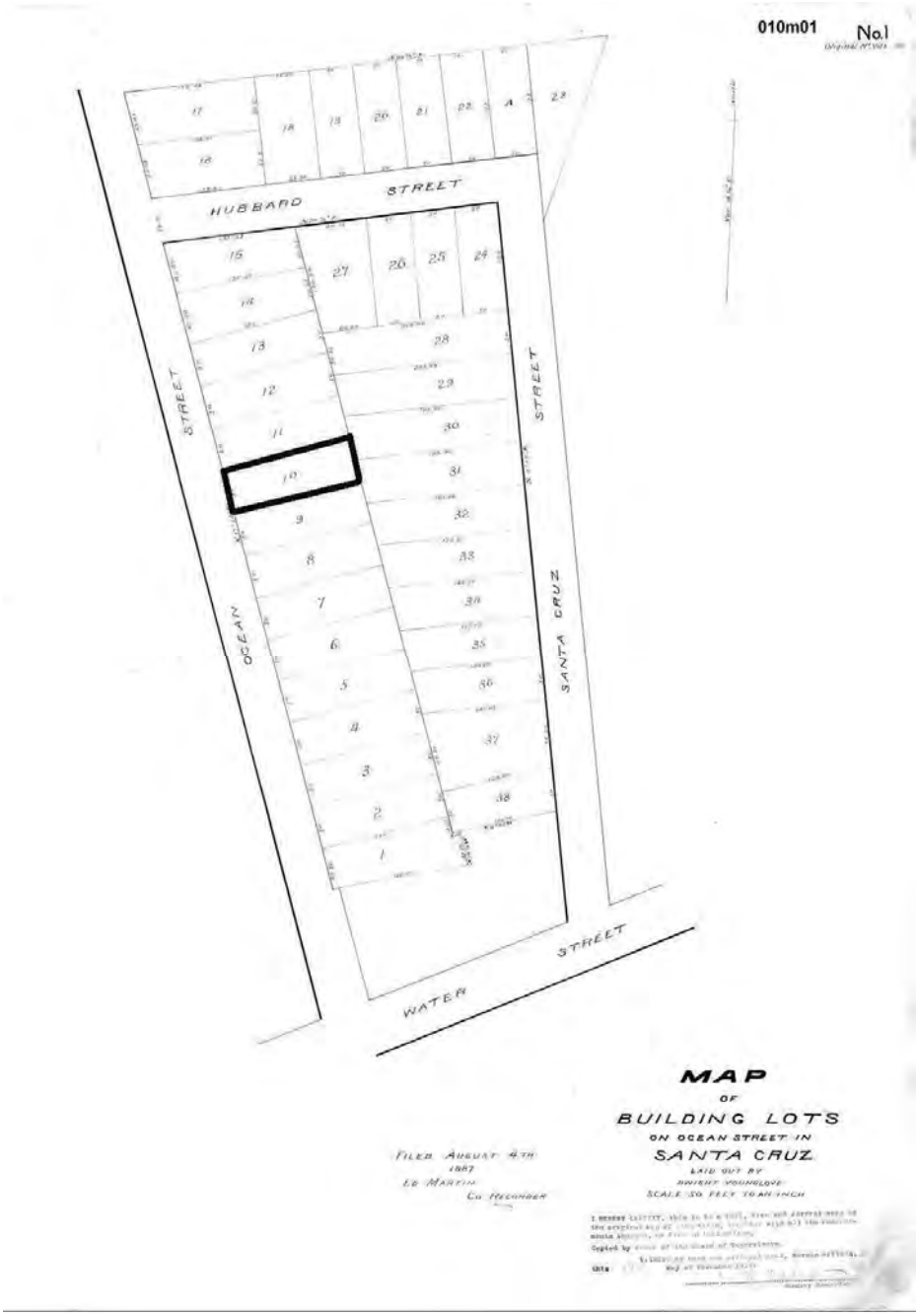


Photo 17: The Subject property as shown on the "Map of the Building Lots on Ocean Street in Santa Cruz, 1887" (Lot #10).

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary # _____
HRI # _____
Trinomial _____
NRHP Status Code _____
Other Listings _____
Review Code _____ **Reviewer** _____ **Date** _____

Page 1 **of** 19 **Resource Name or #** 920 Ocean Street

P1. Other Identifier: _____

P2. Location: ____ **Not for Publication** x **Unrestricted** ***a. County** Santa Cruz

and (P2b and P2c or P2d. Attach a Location Map as necessary.)

***b. USGS 7.5' Quad:** Santa Cruz,CA **Date:** 2012 **T** ; **R** ; **1/4 of** **1/4 of Sec** ; **BM**

c. Address: 920 Ocean Street **City:** Santa Cruz **Zip:** 95060

d. UTM: 10S 5 87 098mE/40 93 169mN

e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate)

APN: 008 331 28

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries.)

The primary structure at 920 Ocean Street is a single story commercial building in fair condition. The sales office and store front portion of the building is constructed in a simple Spanish Colonial Revival style, while the remainder consists of vernacular warehouse space. The roof of the sales area is front gabled, and of shallow pitch, with a lower extending gable of moderate pitch above the entrance. Composition shingles surface this area of the roof. The front façade features a low parapet with unadorned columns flanking either side. Exterior walls are surfaced with stucco, painted red, and fenestration consists of multi-paned vinyl windows. The warehouse portion of the structure features a gabled roof, surfaced with corrugated metal sheeting. The exterior walls feature a mixture of horizontal wooden siding (on the front wing) and corrugated metal sheeting on the rear warehouse.

***P3b. Resource Attributes:** HP06 (commercial 1-3 stories)

***P4. Resources Present:** x Building __Structure __Object __District __Element of District __Site __Other

P5a. Photo or drawing (Photo required for buildings, structures, objects.)



P5b. Description of Photo: (View, date, accession #)
View of the front façade of 920 Ocean Street

***P6. Date Constructed/Age and Sources**

Historic x Prehistoric Both

Constructed 1945 based on County of Santa Cruz Appraiser's records

***P7. Owner and Address:**

SE-Santa Cruz, LLC
1777 Saratoga Ave, Suite 210
San Jose, CA 95129

***P8. Recorded by:**

Robert Cartier
Archaeological Resource Management
496 North 5th Street
San Jose, CA 95112

***P9. Date Recorded:** 11/4/2019

***P10. Survey Type:** Intensive

***P11. Report Citation:** (Cite Survey Report and other sources, or enter "none.")

None

* Attachments: __None x Location Map __Sketch Map x Continuation Sheet x Building, Structure, and Object Record __Archaeological Record __District Record __Linear Feature Record __Milling Station Record __Rock Art Record __Artifact Record __Photographic Record __Other (List):

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

Primary # _____
HRI # _____

BUILDING, STRUCTURE, AND OBJECT RECORD

Page _2_ **of** 19 ***NRHP Status Code** 920 Ocean Street

***Resource Name or #** (Assigned by recorder) _____

B1. Historic Name: Van Houten & Brick

B2. Common Name: Santa Cruz Fireplace & Hot Tub

B3. Original Use: Commercial **B4. Present Use:** Commercial

***B5. Architectural Style:** Spanish Colonial Revival, vernacular

***B6. Construction History:** (Construction date, alterations, and date of alterations)

Based upon visual evaluation and available documentation, the primary structure at 920 Ocean Street was constructed in 1945. Since its original construction multiple additions have been made to the building, greatly expanding the size of the structure.

***B7. Moved?** _x_ **No** ___ **Yes** ___ **Unknown** **Date:** _____ **Original Location:** _____

***B8. Related Features:**

Also present on the property is a small storage shed.

B9a. Architect: unknown **b. Builder:** unknown

***B10. Significance: Theme** commercial **Area** Santa Cruz, CA

Period of Significance Post-War **Property Type** private commercial **Applicable Criteria** N/A

The land on which the subject structure now stands consists of Lots# 8 and 9, and a portion of Lots# 31, 32, and 33, as shown on the "Map of Building Lots on Ocean Street in Santa Cruz, laid out by Dwight Younglove," filed August 4, 1887 (Vol. 5 of Maps, Page 46). Sanborn Fire Insurance Maps for the City of Santa Cruz show that the property was formerly the location of two single family residences. The first of these residences can be seen on the 1892 Sanborn Map, while both are present on the 1905 and 1928 Sanborn Maps. In 1921 the property (then 383 Ocean Street) was the location of Hamilton and Church, contractors (Santa Cruz City Directory). By 1939 the property was owned by Jeanette Agnes Hamilton (Book 365 OR, Page 173). Based upon Santa Cruz County Appraiser's documentation, the subject structure was originally constructed in 1945, however the rear portions of the building may incorporate elements of earlier structures on the property. On December 17, 1948 the property was sold by Jeanette and Robert Henry Hamilton to Frank J. Brick and Wendell Van Houten (Book 701 OR, Page 476). A milling and building supply business was opened on the property in 1949 known as Van Houten & Brick (Santa Cruz Sentinel 1949). Frank Brick died on July 4, 1972, and his interest in the property passed to his wife Frances Louise Brick on February 28, 1973 (Book 2287 OR, Page 597).

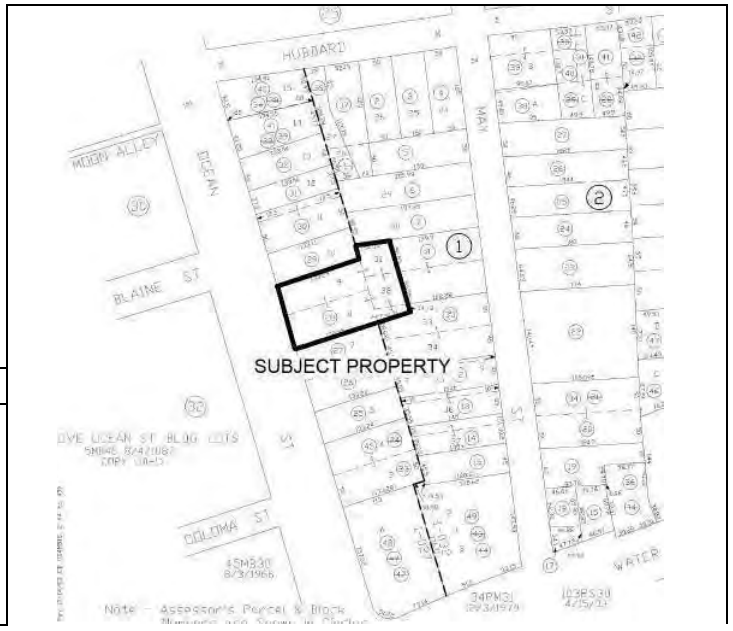
See Continuation Sheet, Page 4

B11. Additional Resource Attributes: (List attributes and codes) N/A

***B12. References:**

See Continuation Sheet, Page 8

B13. Remarks:



***B14. Evaluator:** Robert R. Cartier

***Date of Evaluation:** 11/4/2019

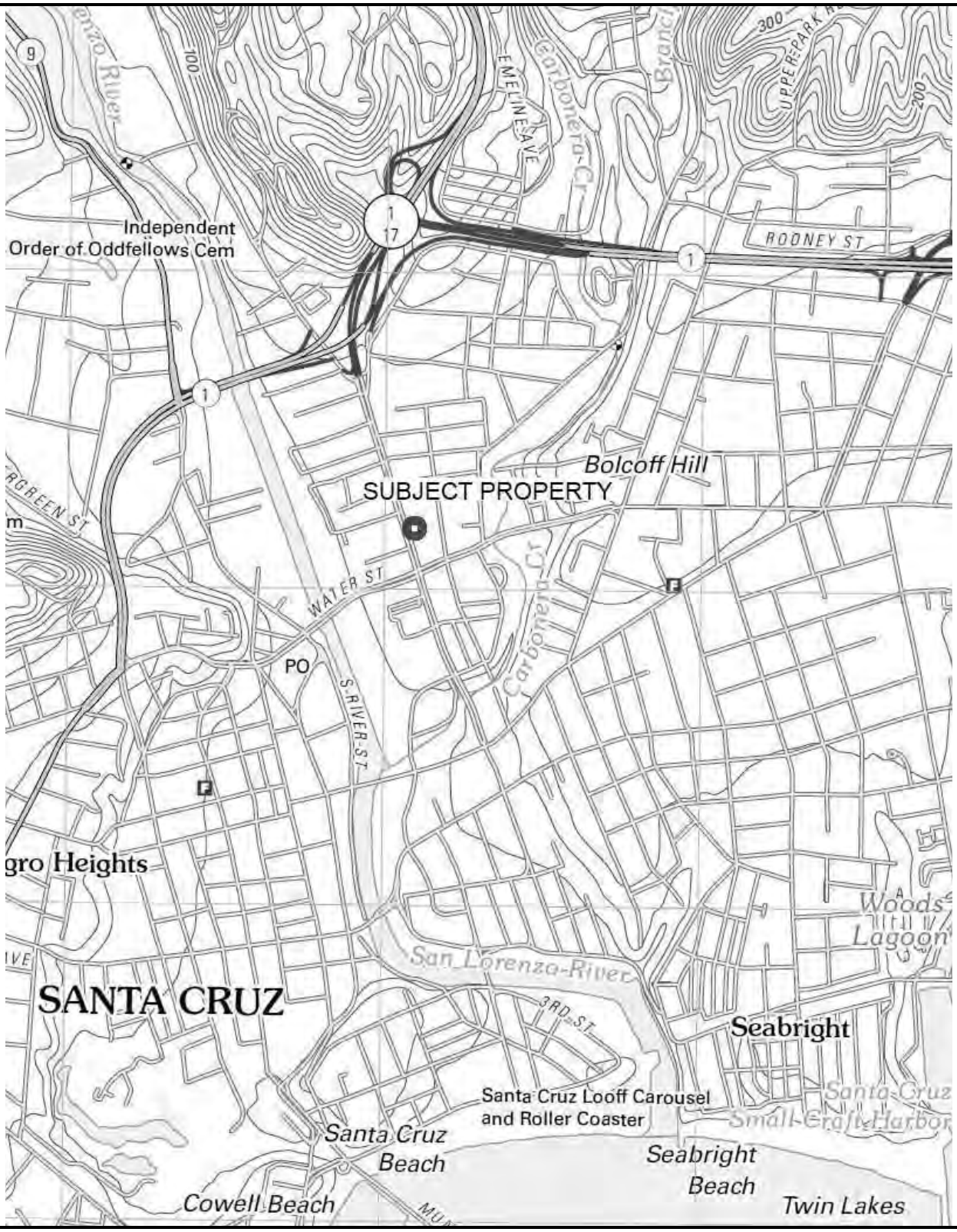
(This space reserved for official comments.)

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

LOCATION MAP

Primary # _____
HRI # _____
Trinomial _____

Page 3 **of** 19 **Resource Name or #** (Assigned by recorder) 920 Ocean Street
***Map Name:** Santa Cruz, CA ***Scale:** 7.5 Minute ***Date of Map**: 2012



Continued from B10:

Later that year Frances granted her interest in the property to Wendell and Margaret Van Houten (Book 2355 OR, Page 407). On September 17, 1975 the Van Houtens sold the property to Roger D. and Norma R. Gintert and David and Arden Bogaard (Book 2548 OR, Page 237). On March 3, 1986 the Ginterts ceded their interest in the property to the Bogaards (Book 3952 OR, Page 166). The Bogaard family retained ownership of the property until November 7, 2018, when it was sold to SE-Santa Cruz, LLC, who are the current owners (Assessor's Doc#2018-0033494).

City of Santa Cruz Historic Preservation Ordinance

According to the City of Santa Cruz Historic Preservation Ordinance (Ordinance #2003-14). A property shall be determined eligible for inclusion in the City of Santa Cruz Historic Building Survey based upon the following Criteria:

The property is either a building, site, or object that is:

1. Recognized as a significant example of the cultural, natural, archaeological, or built heritage of the city, state, or nation; and/or

2. Associated with a significant local, state, or national event; and/or

3. Associated with a person or persons who significantly contributed to the development of the city, state, or nation; and/or

4. Associated with an architect, designer, or builder whose work has influenced the development of the city, state, or nation; and/or

5. Recognized as possessing special aesthetic merit or value as a building with quality of architecture and that retains sufficient features showing its architectural significance; and/or

6. Recognized as possessing distinctive stylistic characteristics or workmanship significant for the study of a period, method of construction, or use of native materials; and/or

7. Retains sufficient integrity to accurately convey its significance.

Or a district which is:

8. Recognized as a geographically definable area possessing a significant concentration of buildings that are well designed and other structures, sites, and objects which are united by past events or by a plan or physical development; or is

9. Recognized as an established and geographically definable neighborhood united by culture, architectural styles or physical development.

The structure at 920 Ocean Street is not currently listed in the City of Santa Cruz Historic Building Survey. In addition, it does not appear eligible for listing in this register. The structure is not recognized as a significant example of the built heritage of the city, and thus does not appear eligible for listing under Criterion 1. It is not associated with significant historic events, and thus does not appear eligible for listing under Criterion 2. It is not associated with historically significant persons, thus it does not appear eligible for listing under Criterion 3. It is not known to be the work of an architect or builder of note, and thus does not appear eligible for listing under Criterion 4. It does not possess special aesthetic or architectural merit, and thus does not appear eligible under Criterion 5. Although it is an example of Spanish Colonial Revival architecture, it is not a notable example of this style and does not appear eligible for inclusion under Criterion 6. In addition, the structure has suffered multiple modifications, is somewhat lacking in integrity. Thus it does not appear to be eligible for inclusion under Criterion 7. The structure is not a part of an historic district, and thus Criteria 8 and 9 do not apply.

California Register of Historic Resources Criteria

A cultural resource is considered "significant" if it qualifies as eligible for listing in the California Register of Historic Resources (CRHR). Properties that are eligible for listing in the CRHR must meet one or more of the following criteria:

1. Association with events that have made a significant contribution to the broad patterns of local or regional history or the cultural heritage of California or the United States;
2. Association with the lives of persons important to local, California, or national history;
3. Embodying the distinctive characteristics of a type, period, region, or method of construction, or representing the work of a master, or possessing high artistic values; or
4. Has yielded, or has the potential to yield, information important to the prehistory or history of the local area, California, or the nation.

A property may be automatically listed in the CRHR if it is formally determined eligible for the National Register of Historic Places. Properties that are formally determined eligible for the NRHP are those that are designated as such through one of the federal preservation programs administered by the California Office of Historic Preservation (i.e., the National Register, Tax Certification, and Section 106 review of federal undertakings).

The CRHR interprets the integrity of a cultural resource based upon its physical authenticity. An historic cultural resource must retain its historic character or appearance and thus be recognizable as an historic resource. Integrity is evaluated by examining the subject's location, design, setting, materials, workmanship, feeling, and association. If the subject has retained these qualities, it may be said to have integrity. It is possible that a cultural resource may not retain sufficient integrity to be listed in the National Register of Historic Places yet still be eligible for listing in the CRHR. If a cultural resource retains the potential to convey significant historical/scientific data, it may be said to retain sufficient integrity for potential listing in the CRHR.

The property at 920 Ocean Street is not currently listed on the CRHR. In addition the structure does not appear to be eligible for inclusion in this register. The structure is not associated with significant events and thus it does not appear to be eligible for listing under Criterion 1. The structure is not associated with the lives of historically significant people, thus it does not appear to be eligible for inclusion under Criterion 2. The structure is an example of Spanish Colonial Revival architecture, however it is not a notable example, and suffers from significant modifications from its original form. Thus it does not appear to be eligible for listing under Criterion 3. The structure does not appear to have the potential to yield information important to history, and thus does not appear to be potentially eligible for listing under Criterion 4.

National Register Criteria

The National Register of Historic Places was first established in 1966, with major revisions in 1976. The register is set forth in 36 CFR 60 which establishes the responsibilities of the State Historic Preservation Officers (SHPO), standards for their staffs and review boards, and describes the statewide survey and planning process for historic preservation. Within this regulation guidelines are set forth concerning the National Register of Historic Places (36 CFR 60.6). In addition, further regulations are found in 36 CFR 63-66, 800, and Bulletin 15 which define procedures for determination of eligibility, identification of historic properties, recovery, reporting, and protection procedures. The National Register of Historic Places was established to recognize resources associated with the accomplishments of all peoples who have contributed to the country's history and heritage. Guidelines were designed for Federal and State agencies in nominating cultural resources to the National Register. These guidelines are based upon integrity and significance of the resource. Integrity applies to specific items such as location, design, setting, materials, workmanship, feeling, and association. Quality of significance in American history, architecture, archaeology, engineering and culture is present in resources that possess integrity of location, design, setting, materials, workmanship, feeling, and association, and meet at least one of the following criteria:

A. that are associated with events that have made a significant contribution to broad patterns of our history;
B. that are associated with the lives of persons significant in our past;
C. that embody distinctive characteristics of type, period, or method of construction, or that represent the work of master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction;
D. that have yielded, or are likely to yield, information important in prehistory or history.

Integrity is defined in Bulletin 15: How to Apply the National Register Criteria for Evaluation, (U.S. Department of the Interior, National Park Service 1982) as:

the authenticity of a property's historic identity, evidenced by the survival of physical characteristics that existed during the property's historic or prehistoric period. If a property retains the physical characteristics it possessed in the past then it has the capacity to convey association with historical patterns or persons, architectural or engineering design and technology, or information about a culture or peoples.

There are also seven aspects of integrity which are used. These aspects are:

1. location
2. design
3. setting
4. materials
5. Workmanship
6. Feeling
7. Association

The structure at 920 Ocean Street is not currently listed on the National Register of Historic Places. In addition the structure does not appear to be eligible for inclusion in this register. The property is not associated with any known significant historical events, thus it does not appear to be eligible under Criterion A. The structure is not associated with historically significant persons, thus it does not appear to be eligible for inclusion in the NRHP under Criterion B. Although an example of Spanish Colonial Revival architecture, it is not a notable example of this style and does not appear to be eligible for inclusion under Criterion C. The structure does not appear likely to yield important historical information, thus it does not appear eligible for inclusion under Criterion D.

In addition, the structure is somewhat lacking in historic integrity, having multiple additions since its original construction.

Continued from B12:

Appraiser's Office, County of Santa Cruz
2019 Appraiser's records for 920 Ocean Street.

Assessor's Office, County of Santa Cruz
2019 Record search of assessed value and associated taxes for 920 Ocean Street.

Calloway, S. and E. Cromley
1996 *The Elements of Style: A Practical Encyclopedia of Interior Architectural Details from 1485 to the Present, Revised Edition.* Simon & Schuster, New York.

Hoover, M. et al
1966 Historic Spots in California. Stanford University Press, Stanford California.

McAlester, V. and L. McAlester
1997 *A Field Guide to American Houses*. Alfred A. Knopf, New York.

Recorder's Office, County of Santa Cruz
2019 Record search of recorded information for 920 Ocean Street.

Santa Cruz Sentinel
1949 Announcement of Partnership for Van Houten & Brick, January 25, 1949.

1954 Van Houten and Brick Install New Type Saw. December 12, 1954.

1956 Harris Bro's Celebrates its 59th Year with a "Brand New Look", April 24, 1956.

US Department of the Interior
1990 The Secretary of the Interior's Standards for Rehabilitation and Guidelines for Rehabilitating Historic Buildings

US Department of the Interior
1982 Bulletin 15 – "How to Apply the National Register Criteria for Evaluation."

Whiffen, M.
1992 *American Architecture since 1780, Revised Edition*. The MIT Press, Cambridge, MA.



Photo 1: View of the front façade of 920 Ocean Street



Photo 2: View of the store front of the structure.



Photo 3: Oblique view of the store front.



Photo 4: View of the northern wing from Ocean Street.



Photo 5: View of the southwest corner, showing transition between the store front and the remainder of the structure.



Photo 6: View along the southern façade.



Photo 7: View of the northern façade of the sales area.



Photo 8: View of the rear façade.



Photo 9: View of the southern portion of the rear façade.



Photo 10: View of the northern portion of the rear façade.



Photo 11: Interior view of the sales office showing rafter trusses.



Photo 12: View of the entry to the warehouse area.



Photo 13: Interior view of the warehouse.



Photo 14: Southern portion of the warehouse, note skylights.



Photo 15: Another view of the warehouse area.



Photo 16: View of the warehouse area showing rafter trusses.

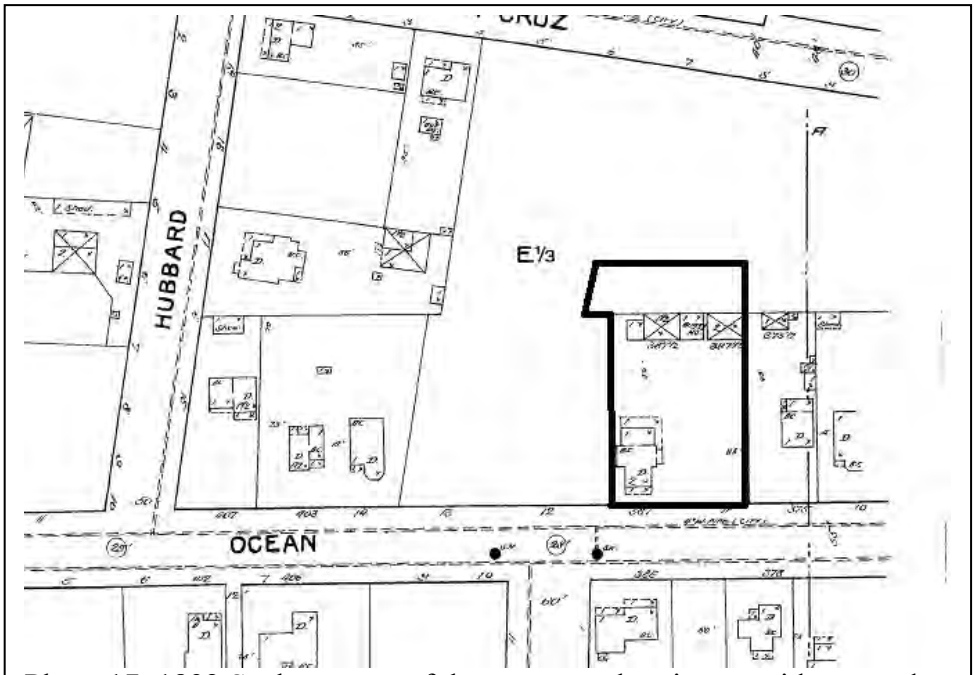


Photo 17: 1892 Sanborn map of the property showing a residence and Various outbuildings on the property at that time.

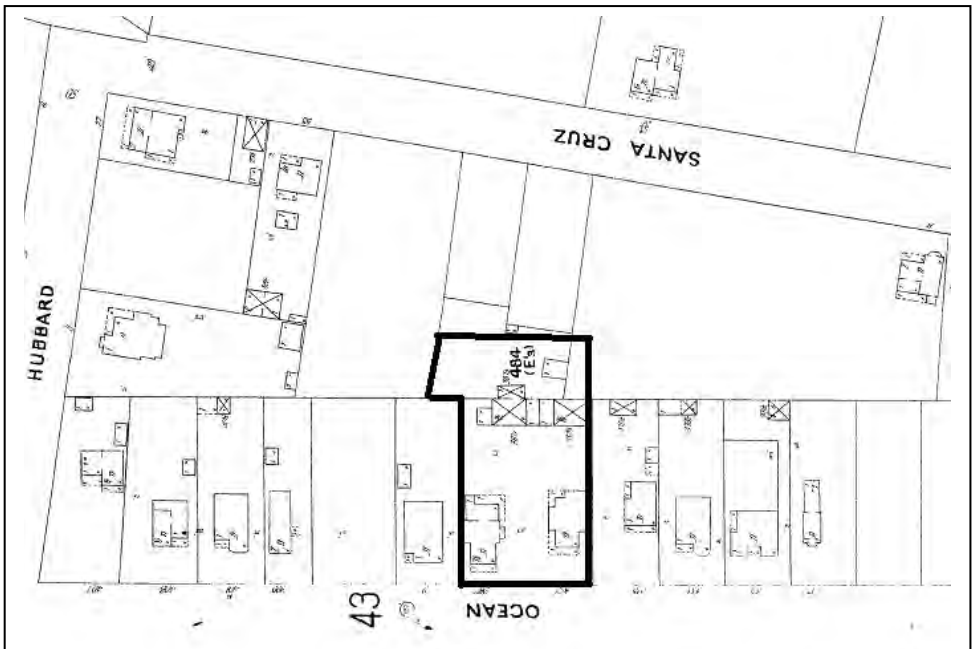


Photo 18: 1905 Sanborn map of the property showing two residences on the property at that time.

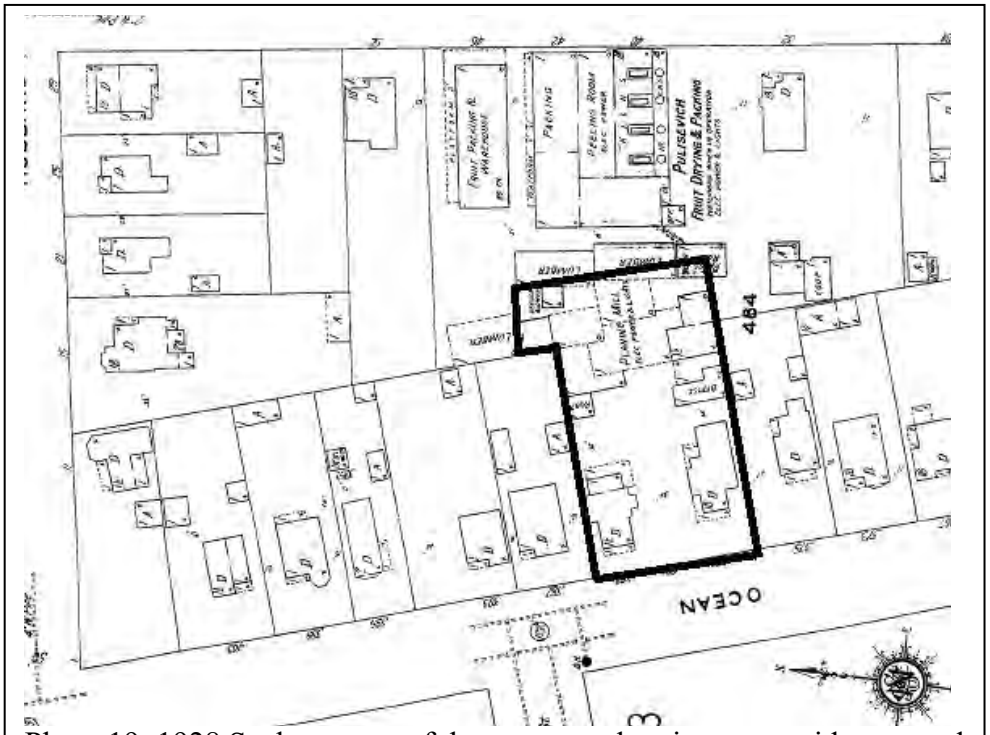


Photo 19: 1928 Sanborn map of the property showing two residences and storage structures on the property at that time.

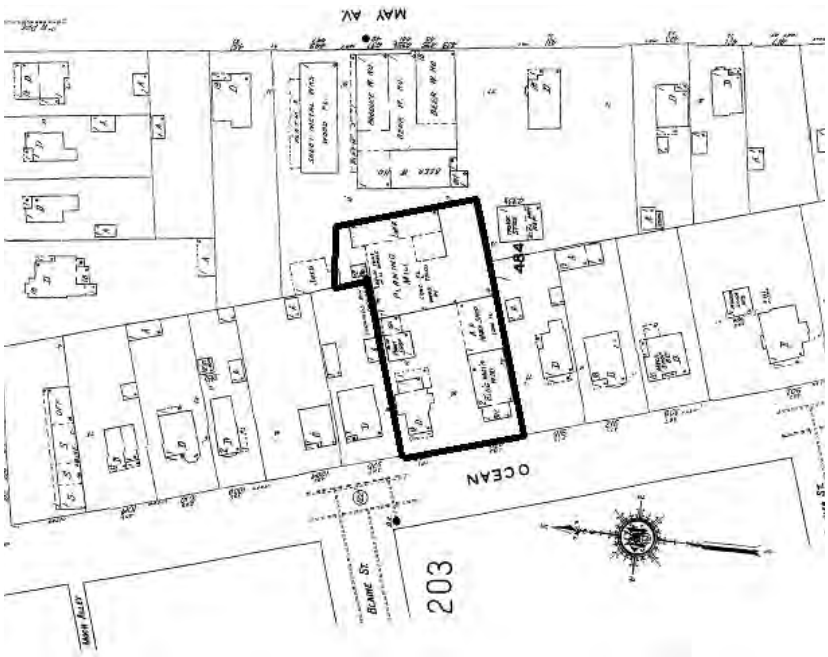


Photo 20: 1950 Sanborn map of the property showing the subject structure.

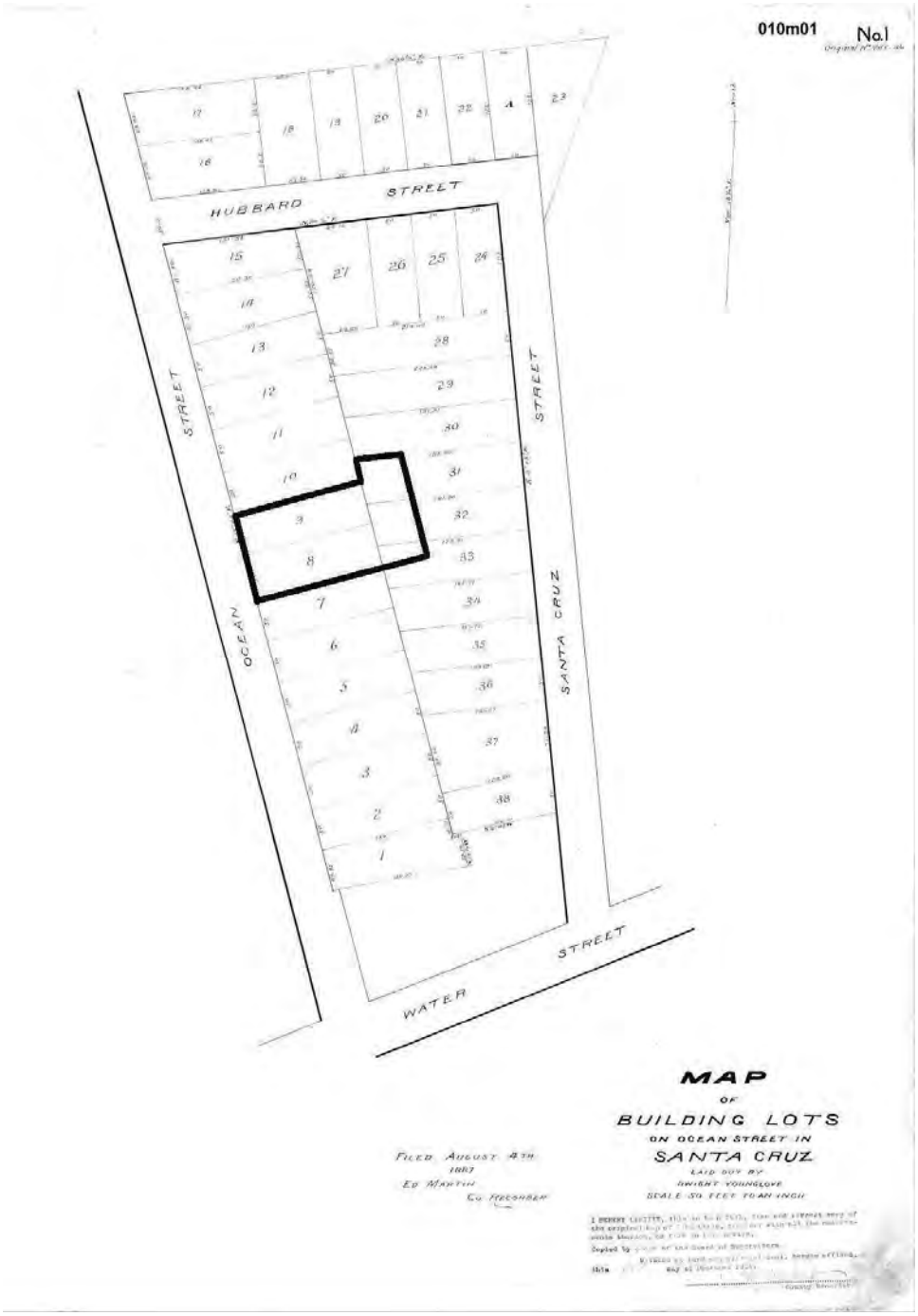


Photo 21: The Subject property as shown on the "Map of the Building Lots on Ocean Street in Santa Cruz, 1887" (Lots #8 & 9 and portions of Lots# 31, 32, & 33).



Van Houten And Brick Install New Type Saw

Said to be the only one of its kind in this area a "Panel-Master" saw has been installed by the local millwork firm of Van Houten & Brick at 920 Ocean street.

Recently placed on the market, according to Van Houten and Brick, the saw requires only one operator to cut up to 4x12 foot sheets of plywood, Masonite, and other building boards.

Before installation of this saw, two operators were required to cut large sheets of plywood efficiently.

The saw is installed in a 10-foot high frame and cuts upward, the saw blade automatically returning to its position after completing the cut.

The saw has greatly speeded up service to the firms customers.

Photo 22: December 12, 1954 article in the Santa Cruz Sentinel.

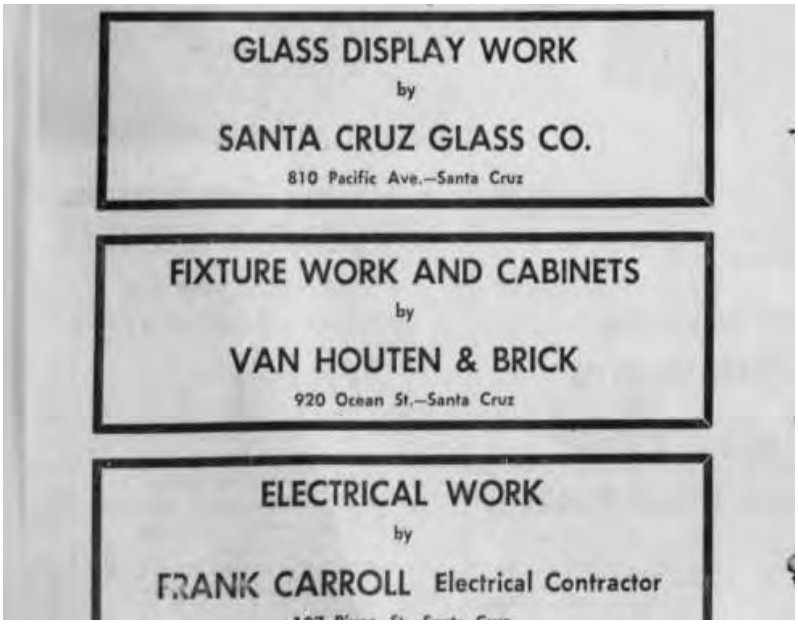


Photo 23: April 24, 1956 advertisement newly renovated Harris Bro's Store in the Santa Cruz Sentinel listing Van Houten & Brick as contractors.

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary # _____
HRI # _____
Trinomial _____
NRHP Status Code _____
Other Listings _____
Review Code _____ **Reviewer** _____ **Date** _____

Page _1_ **of** 13 **Resource Name or #** ___130 Hubbard Street___

P1. Other Identifier: _____ _____

P2. Location: ____ **Not for Publication** _x__ **Unrestricted** ***a. County** __Santa Cruz__

and (P2b and P2c or P2d. Attach a Location Map as necessary.)

***b. USGS 7.5' Quad:** Santa Cruz,CA **Date:** 2012 **T** ; **R** ; **1/4 of** **1/4 of Sec** ; **BM**

c. Address: 130 Hubbard Street **City:** Santa Cruz **Zip:** 95060

d. UTM: 10S 5 87 098mE/40 93 169mN

e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate)

APN: 008 331 04

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries.)

The structure at 130 Hubbard Street is a two story National Folk style residence in fair condition. Side gabled, the roof is of moderate pitch, and surfaced with composition shingles. A lower gabled roof extends over the earlier rear addition, with a short hipped roof extension over the newer addition. A hipped roof also extends over the front porch. The eaves are narrow, with enclosed rafters. Exterior walls are surfaced with horizontal wooden siding. Fenestration consists primarily of wooden framed windows in a double-hung sash configuration. The symmetrical front façade features a centrally placed gable peak, with three windows on the upper story, and two windows flanking the centrally placed entrance on the lower story. The porch stretches across approximately three quarters the length of the front façade, and is supported by simple classical columns.

***P3b. Resource Attributes:** HP02 (Single Family Res)

***P4. Resources Present:** x_Building __Structure __Object __District __Element of District __Site __Other

P5a. Photo or drawing (Photo required for buildings, structures, objects.)



P5b. Description of Photo: (View, date, accession #)
View of the front façade of 130 Hubbard Street

***P6. Date Constructed/Age and Sources**

Historic x Prehistoric Both

Constructed 1878 based on County of Santa Cruz Appraiser's records

***P7. Owner and Address:**

SE-Santa Cruz, LLC
1777 Saratoga Ave, Suite 210
San Jose, CA 95129

***P8. Recorded by:**

Robert Cartier
Archaeological Resource Management
496 North 5th Street
San Jose, CA 95112

***P9. Date Recorded:** 11/4/2019

***P10. Survey Type:** Intensive

***P11. Report Citation:** (Cite Survey Report and other sources, or enter "none.")

None

* Attachments: __None x_Location Map __Sketch Map x_Continuation Sheet x_Building, Structure, and Object Record __Archaeological Record __District Record __Linear Feature Record __Milling Station Record __Rock Art Record __Artifact Record __Photographic Record __Other (List):

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

Primary # _____
HRI # _____

BUILDING, STRUCTURE, AND OBJECT RECORD

Page _2_ **of** 13 ***NRHP Status Code** ___130 Hubbard Street__

***Resource Name or #** (Assigned by recorder) _____

B1. Historic Name: _____29 Hubbard Street_____

B2. Common Name: _____130 Hubbard Street _____

B3. Original Use: ____Residential ____ **B4. Present Use:** ____Residential (Rental)_____

***B5. Architectural Style:** _____National Folk_____

***B6. Construction History:** (Construction date, alterations, and date of alterations)

Based upon visual evaluation and available documentation, the primary structure at 130 Hubbard Street was constructed in 1878. Since its original construction multiple additions have been made to the building, greatly expanding the size of the structure.

***B7. Moved?** _x_ **No** ___ **Yes** ___ **Unknown** **Date:** _____ **Original Location:** _____

***B8. Related Features:**

Also present on the property is the John's Electric Motor Service building (457 May). This structure is described in a separate set of DPR forms.

B9a. Architect: ____unknown_____ **b. Builder:** ____unknown_____

***B10. Significance: Theme** ____Architecture and Shelter _____ **Area** ____Santa Cruz, CA_____

Period of Significance ___Horticulture___ **Property Type** __private residential__ **Applicable Criteria** ___N/A_____

The land on which the subject structure now stands consists of Lot #24, as shown on the "Map of Building Lots on Ocean Street in Santa Cruz, laid out by Dwight Younglove," filed August 4, 1887 (Vol. 5 of Maps, Page 46). Based upon County of Santa Cruz Appraiser's documentation, the residence was originally constructed in 1878. The structure lies outside the boundaries of the 1886 and 1888 Sanborn Maps of the City of Santa Cruz, but can be seen on the 1892 map. The earliest known owner of the home was Crawford L. Hunt. On June 29, 1897 he granted the property to Mary Ann Hunt, widow of Stephen Howard Hunt (Book 122 of Deeds, Page 467). Mary Hunt is listed at the property address (then 29 Hubbard Street) in 1902. The Hunt family resided in the home until 1918, when Jennie E. Hunt (widow of Stephen and Mary's son William Bruce Hunt was listed at the address. In 1920 the home was occupied by Charles Newman. Clara Larson (nee Waldo) and her brother and his wife, Albert (Bert) and Ethel Waldo, are listed at the address in 1921.

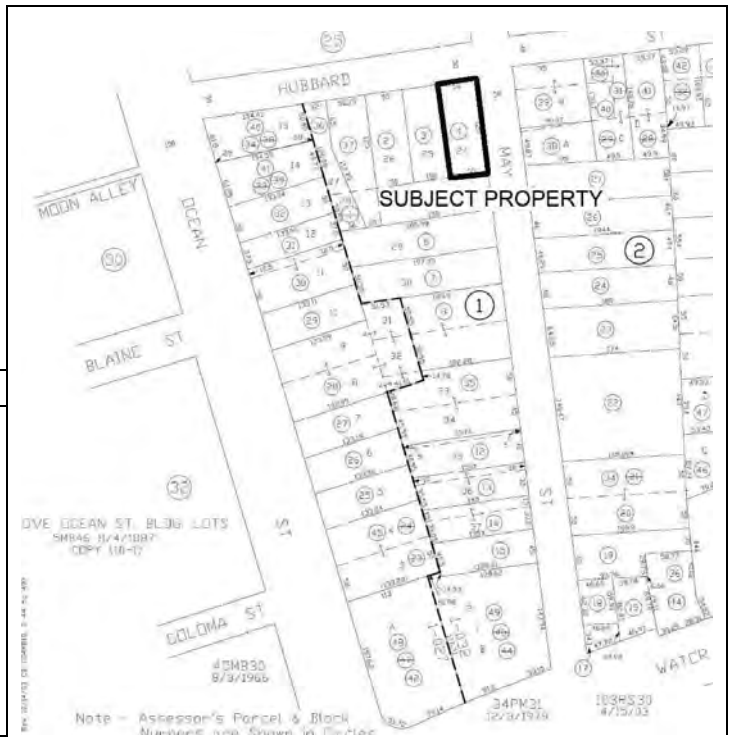
See Continuation Sheet, Page 4

B11. Additional Resource Attributes: (List attributes and codes) _____N/A_____

***B12. References:**

See Continuation Sheet, Page 8

B13. Remarks:



***B14. Evaluator:** ___Robert R. Cartier_____

***Date of Evaluation:** _____11/4/2019_____

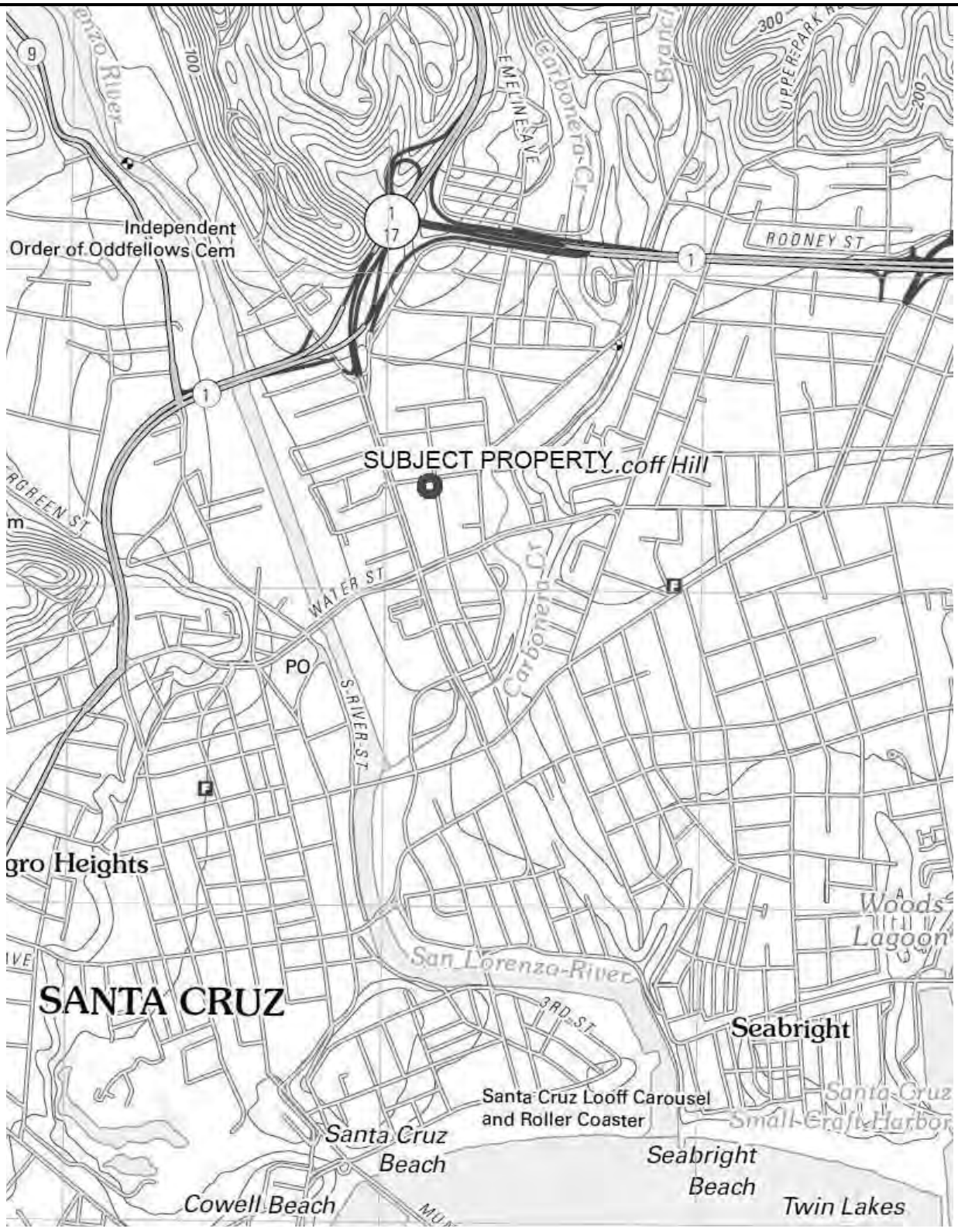
(This space reserved for official comments.)

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

LOCATION MAP

Primary # _____
HRI # _____
Trinomial _____

Page _3_ **of** 13 **Resource Name or #** (Assigned by recorder) _____130 Hubbard Street_____
***Map Name:** ____Santa Cruz, CA____ ***Scale:** ___7.5 Minute__ ***Date of Map**: ___2012__



Continued from B10:

Clara Larson was employed as a laundry worker at Cascade Laundry, and Albert Waldo was listed as a blacksmith. By 1924 the property was owned by Joseph L. Thorp. On February 2 of that year he granted the home to H. J. and Mary Schutter (Book 37 OR, Page 87). On February 3, 1933 H. J. Schutter granted the property to Franklin J. Schutter (Book 244 OR, Page 243). Franklin owned the property until March 22, 1944, when it was sold to Squire M. and Mary M. Shively (Book 476 OR, Page 11). The Shivelys' sold the property on October 7, 1947 to Ida and H. L. Reid (Book 596 OR, Page 198). Ida Reid ceded her interest in the property to H. L. and Beatrice Reid on January 28, 1955 (Book 1001 OR, Page 364). On October 17, 1967 the property was sold to Jack and Vivian Johnson and Douglas L. and Patricia Eudey (Book 1850 OR, Page 287). On August 20, 1979 the property was sold to T.J. and Shirley Scott, Norman and Diane Bei, and Hugo Bruno Tottino (Book 3098 OR, Page 235). On July 26, 2005 the property was transferred to Bei-Scott Co., LLC (Assessor's Doc#2005-0050952). The property was transferred again on October 6, 2017, to SE-Santa Cruz, LLC, who are the current owners (Assessor's Doc#2017-0033544).

City of Santa Cruz Historic Preservation Ordinance

According to the City of Santa Cruz Historic Preservation Ordinance (Ordinance #2003-14). A property shall be determined eligible for inclusion in the City of Santa Cruz Historic Building Survey based upon the following Criteria:

The property is either a building, site, or object that is:

1. Recognized as a significant example of the cultural, natural, archaeological, or built heritage of the city, state, or nation; and/or
2. Associated with a significant local, state, or national event; and/or
3. Associated with a person or persons who significantly contributed to the development of the city, state, or nation; and/or
4. Associated with an architect, designer, or builder whose work has influenced the development of the city, state, or nation; and/or
5. Recognized as possessing special aesthetic merit or value as a building with quality of architecture and that retains sufficient features showing its architectural significance; and/or
6. Recognized as possessing distinctive stylistic characteristics or workmanship significant for the study of a period, method of construction, or use of native materials; and/or
7. Retains sufficient integrity to accurately convey its significance.

Or a district which is:

8. Recognized as a geographically definable area possessing a significant concentration of buildings that are well designed and other structures, sites, and objects which are united by past events or by a plan or physical development; or is
9. Recognized as an established and geographically definable neighborhood united by culture, architectural styles or physical development.

The structure at 130 Hubbard Street is not currently listed in the City of Santa Cruz Historic Building Survey. However, it appears to be eligible for listing in this register under Criteria 5, 6 and 7 as described above. The structure is a good example of the National Folk style in the community of Santa Cruz. This style is characteristic of middle-to-late 19th Century American domestic architecture. It is a very early structure in this area of the city, and is built in a style uncommon in the area. Thus it appears eligible for inclusion under Criteria 5 and 6. The structure has multiple additions, however the front façade retains much of its original character and feeling. Thus it appears to be eligible for inclusion under Criterion 7.

The structure is not recognized as a significant example of the built heritage of the city, and thus does not appear eligible for listing under Criterion 1. It is not associated with significant historic events, and thus does not appear eligible for listing under Criterion 2. It is not associated with historically significant persons, thus it does not appear eligible for listing under Criterion 3. It is not known to be the work of an architect or builder of note, and thus does not appear eligible for listing under Criterion 4. The structure is not a part of an historic district, and thus Criteria 8 and 9 do not apply.

California Register of Historic Resources Criteria

A cultural resource is considered "significant" if it qualifies as eligible for listing in the California Register of Historic Resources (CRHR). Properties that are eligible for listing in the CRHR must meet one or more of the following criteria:

1. Association with events that have made a significant contribution to the broad patterns of local or regional history or the cultural heritage of California or the United States;
2. Association with the lives of persons important to local, California, or national history;
3. Embodying the distinctive characteristics of a type, period, region, or method of construction, or representing the work of a master, or possessing high artistic values; or
4. Has yielded, or has the potential to yield, information important to the prehistory or history of the local area, California, or the nation.

A property may be automatically listed in the CRHR if it is formally determined eligible for the National Register of Historic Places. Properties that are formally determined eligible for the NRHP are those that are designated as such through one of the federal preservation programs administered by the California Office of Historic Preservation (i.e., the National Register, Tax Certification, and Section 106 review of federal undertakings).

The CRHR interprets the integrity of a cultural resource based upon its physical authenticity. An historic cultural resource must retain its historic character or appearance and thus be recognizable as an historic resource. Integrity is evaluated by examining the subject's location, design, setting, materials, workmanship, feeling, and association. If the subject has retained these qualities, it may be said to have integrity. It is possible that a cultural resource may not retain sufficient integrity to be listed in the National Register of Historic Places yet still be eligible for listing in the CRHR. If a cultural resource retains the potential to convey significant historical/scientific data, it may be said to retain sufficient integrity for potential listing in the CRHR.

The property at 130 Hubbard Street is not currently listed on the CRHR. In addition the structure does not appear to be eligible for inclusion in this register. The structure is not associated with significant events and thus it does not appear to be eligible for listing under Criterion 1. The structure is not associated with the lives of historically significant people, thus it does not appear to be eligible for inclusion under Criterion 2. The structure is an example of National Folk style architecture, however it is not a notable example on a statewide level. Thus it does not appear to be eligible for listing under Criterion 3. The structure does not appear to have the potential to yield information important to history, and thus does not appear to be potentially eligible for listing under Criterion 4.

National Register Criteria

The National Register of Historic Places was first established in 1966, with major revisions in 1976. The register is set forth in 36 CFR 60 which establishes the responsibilities of the State Historic Preservation Officers (SHPO), standards for their staffs and review boards, and describes the statewide survey and planning process for historic preservation. Within this regulation guidelines are set forth concerning the National Register of Historic Places (36 CFR 60.6). In addition, further regulations are found in 36 CFR 63-66, 800, and Bulletin 15 which define procedures for determination of eligibility, identification of historic properties, recovery, reporting, and protection procedures. The National Register of Historic Places was established to recognize resources associated with the accomplishments of all peoples who have contributed to the country's history and heritage. Guidelines were designed for Federal and State agencies in nominating cultural resources to the National Register. These guidelines are based upon integrity and significance of the resource. Integrity applies to specific items such as location, design, setting, materials, workmanship, feeling, and association. Quality of significance in American history, architecture, archaeology, engineering and culture is present in resources that possess integrity of location, design, setting, materials, workmanship, feeling, and association, and meet at least one of the following criteria:

A. that are associated with events that have made a significant contribution to broad patterns of our history;
B. that are associated with the lives of persons significant in our past;
C. that embody distinctive characteristics of type, period, or method of construction, or that represent the work of master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction;
D. that have yielded, or are likely to yield, information important in prehistory or history.

Integrity is defined in Bulletin 15: How to Apply the National Register Criteria for Evaluation, (U.S. Department of the Interior, National Park Service 1982) as:

the authenticity of a property's historic identity, evidenced by the survival of physical characteristics that existed during the property's historic or prehistoric period. If a property retains the physical characteristics it possessed in the past then it has the capacity to convey association with historical patterns or persons, architectural or engineering design and technology, or information about a culture or peoples.

There are also seven aspects of integrity which are used. These aspects are:

1. location
2. design
3. setting
4. materials
5. Workmanship
6. Feeling
7. Association

The structure at 130 Hubbard Street is not currently listed on the National Register of Historic Places. In addition the structure does not appear to be eligible for inclusion in this register. The property is not associated with any known significant historical events, thus it does not appear to be eligible under Criterion A. The structure is not associated with historically significant persons, thus it does not appear to be eligible for inclusion in the NRHP under Criterion B. Although an example of National Folk style architecture, it is not a notable example of this style and does not appear to be eligible for inclusion under Criterion C. The structure does not appear likely to yield important historical information, thus it does not appear eligible for inclusion under Criterion D.

In addition, the structure is somewhat lacking in historic integrity, a key consideration for eligibility for the National Register.

Continued from B12:

Appraiser's Office, County of Santa Cruz
2019 Appraiser's records for 130 Hubbard Street.

Assessor's Office, County of Santa Cruz
2019 Record search of assessed value and associated taxes for 130 Hubbard Street.

Calloway, S. and E. Cromley
1996 *The Elements of Style: A Practical Encyclopedia of Interior Architectural Details from 1485 to the Present, Revised Edition.* Simon & Schuster, New York.

Hoover, M. et al
1966 Historic Spots in California. Stanford University Press, Stanford California.

McAlester, V. and L. McAlester
1997 *A Field Guide to American Houses*. Alfred A. Knopf, New York.

Recorder's Office, County of Santa Cruz
2019 Record search of recorded information for 130 Hubbard Street.

US Department of the Interior
1990 The Secretary of the Interior's Standards for Rehabilitation and Guidelines for Rehabilitating Historic Buildings

US Department of the Interior
1982 Bulletin 15 – "How to Apply the National Register Criteria for Evaluation."

Whiffen, M.
1992 *American Architecture since 1780, Revised Edition*. The MIT Press, Cambridge, MA.



Photo 1: View of the front façade of 130 Hubbard Street



Photo 2: View of the front porch and entry.



Photo 3: Oblique view of the residence from the northwest.



Photo 4: Oblique view of the residence from the northeast.



Photo 5: View of the eastern façade showing both rear additions.



Photo 6: View of the rear façade showing later rear addition.

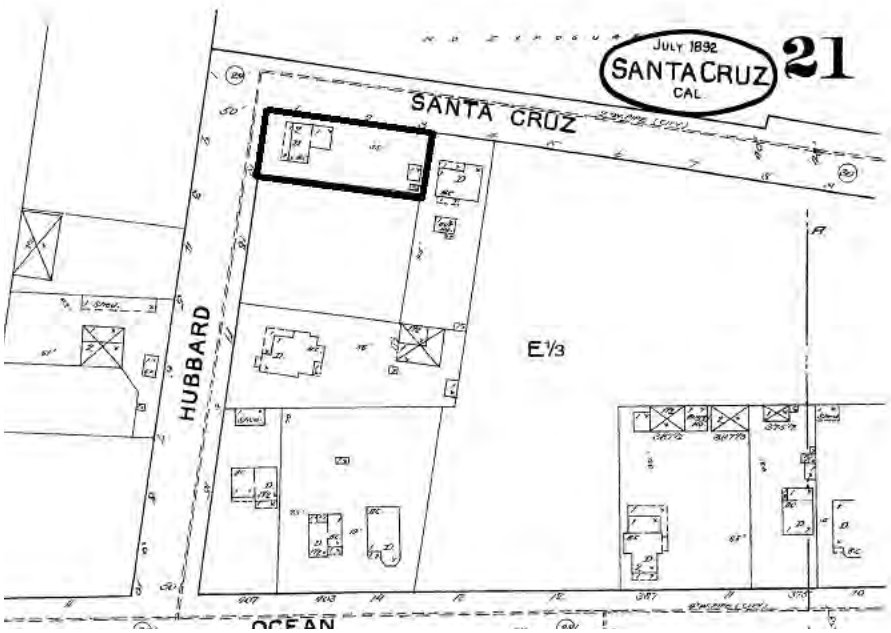


Photo 7: 1892 Sanborn Map of the property showing the residence.

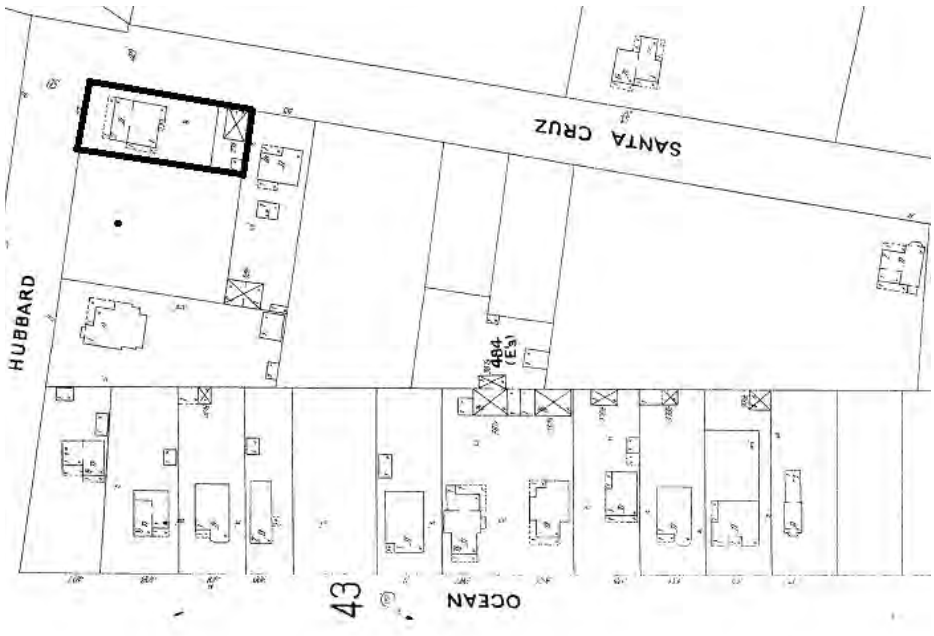


Photo 8: 1905 Sanborn map of the property showing first rear addition Made to the home.

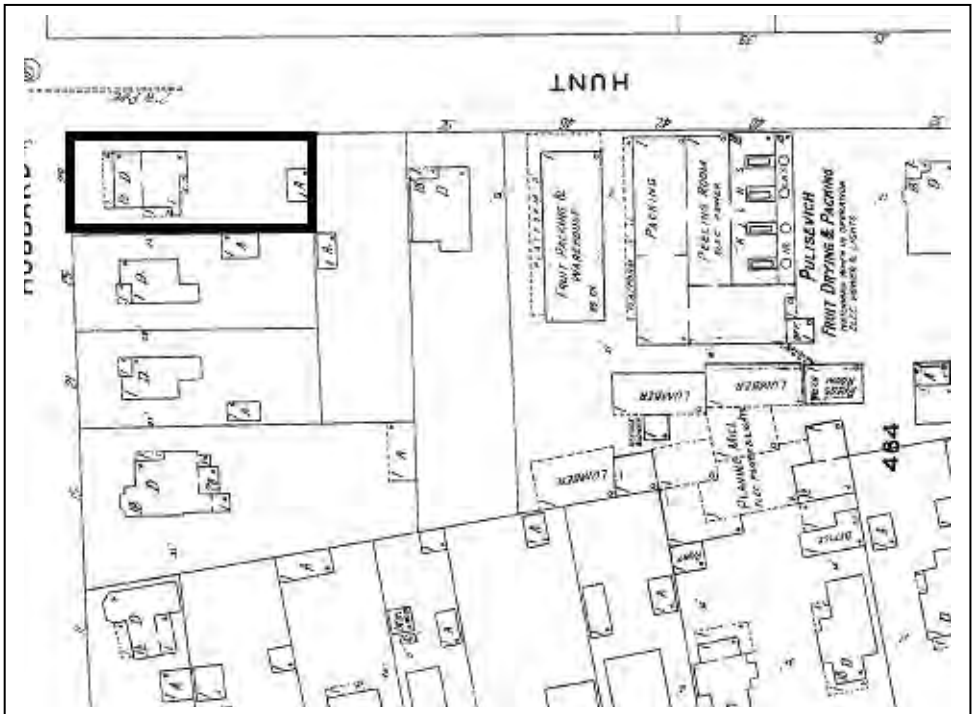


Photo 9: 1928 Sanborn Map of the property showing the residence.

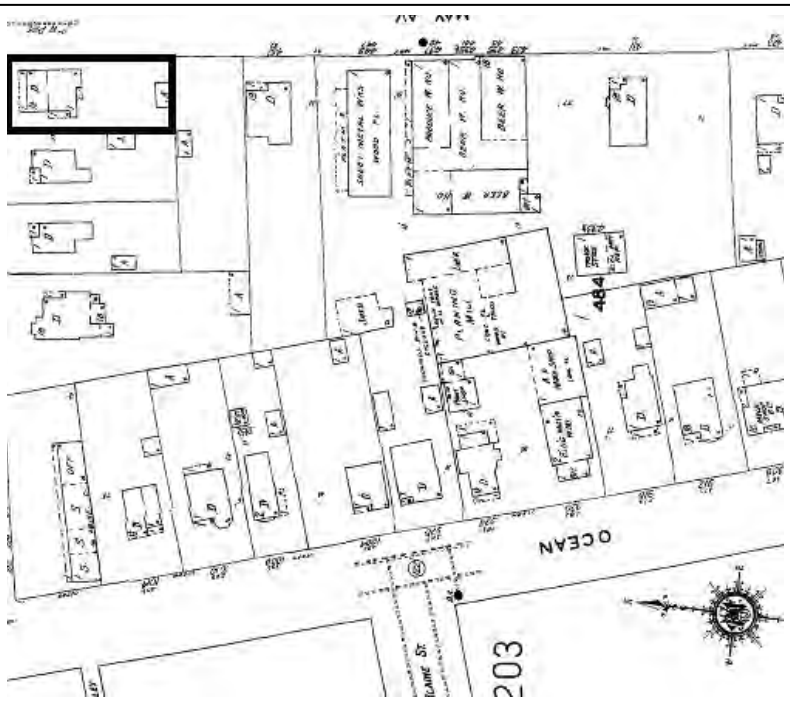


Photo 10: 1950 Sanborn Map of the property showing the residence.

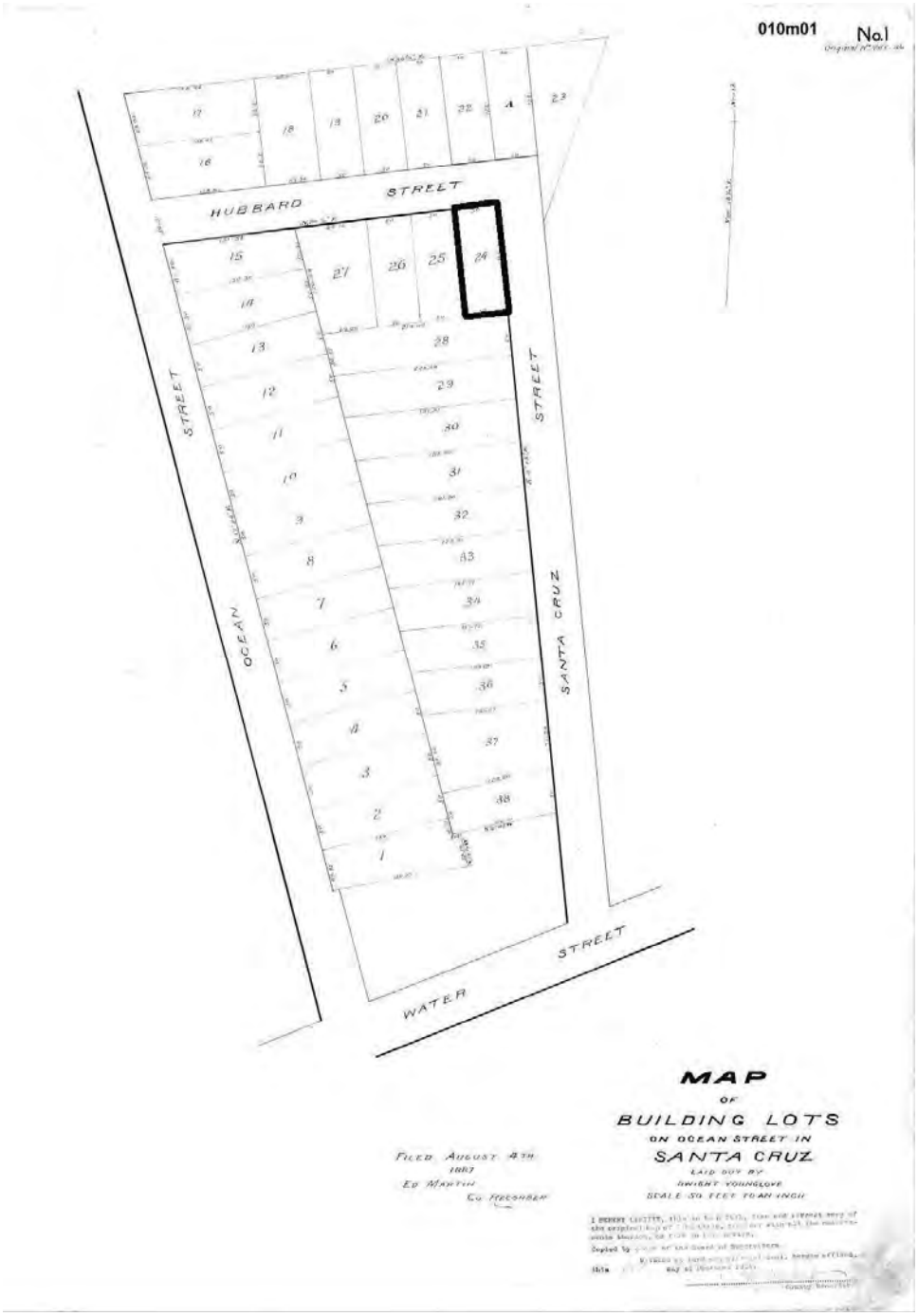


Photo 11: The Subject property as shown on the "Map of the Building Lots on Ocean Street in Santa Cruz, 1887" (Lot #24).

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary # _____
HRI # _____
Trinomial _____
NRHP Status Code _____
Other Listings _____
Review Code _____ **Reviewer** _____ **Date** _____

Page _1_ **of** 14 **Resource Name or #** ___457 May Avenue___

P1. Other Identifier: _____ _____

P2. Location: ____ **Not for Publication** _x__ **Unrestricted** ***a. County** __Santa Cruz__
and (P2b and P2c or P2d. Attach a Location Map as necessary.)

***b. USGS 7.5' Quad:** Santa Cruz,CA **Date:** 2012 **T** ; **R** ; **1/4 of** **1/4 of Sec** ; **BM**

c. Address: 457 May Avenue **City:** Santa Cruz **Zip:** 95060

d. UTM: 10S 5 87 098mE/40 93 169mN

e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate)
APN: 008 331 04

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries.)
The structure at 457 May Avenue is a single story commercial building in fair condition. The roof is flat, surfaced with gravel sheeting, and features little or no parapet. The exterior walls are constructed of cinderblocks. The front façade features a broad cantilevered awning which stretches the length of the shop entrance, with the exception of the garage bay. Beneath this are large plate glass shop windows, which flank the slightly recessed glass entry door. A small sign advertising "John's Electric Motor Service" extends from the front façade above the awning. The current sign was added in 2015 (John's Electric Motor Service 2015). Fenestration throughout the structure is aluminum or vinyl framed, in a combination of fixed and sliding configurations.

***P3b. Resource Attributes:** HP06 (commercial 1-3 stories)

***P4. Resources Present:** x Building __Structure __Object __District __Element of District __Site __Other

P5a. Photo or drawing (Photo required for buildings, structures, objects.)



P5b. Description of Photo: (View, date, accession #)
View of the front façade of 457 May Avenue

***P6. Date Constructed/Age and Sources**
Historic x Prehistoric Both
Constructed 1958 based on County of Santa Cruz Appraiser's records

***P7. Owner and Address:**
SE-Santa Cruz, LLC
1777 Saratoga Ave, Suite 210
San Jose, CA 95129

***P8. Recorded by:**
Robert Cartier
Archaeological Resource Management
496 North 5th Street
San Jose, CA 95112

***P9. Date Recorded:** 11/4/2019

***P10. Survey Type:** Intensive

***P11. Report Citation:** (Cite Survey Report and other sources, or enter "none.")
None

* Attachments: __None x_Location Map __Sketch Map x_Continuation Sheet x_Building, Structure, and Object Record __Archaeological Record __District Record __Linear Feature Record __Milling Station Record __Rock Art Record __Artifact Record __Photographic Record __Other (List):

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

Primary # _____
HRI # _____

BUILDING, STRUCTURE, AND OBJECT RECORD

Page _2_ **of** 14 ***NRHP Status Code** 457 May Avenue

***Resource Name or #** (Assigned by recorder) _____

B1. Historic Name: 457 May Avenue

B2. Common Name: John's Electric Motor Service

B3. Original Use: Commercial **B4. Present Use:** Commercial

***B5. Architectural Style:** modern commercial

***B6. Construction History:** (Construction date, alterations, and date of alterations)

Based upon visual evaluation and available documentation, the primary structure at 457 May Avenue was constructed in 1958. Since its original construction only minor modifications appear to have been made to the structure.

***B7. Moved?** _x_ **No** ___ **Yes** ___ **Unknown** **Date:** _____ **Original Location:** _____

***B8. Related Features:**

Also present on the property is the residence at 130 Hubbard Street. This structure is described in a separate set of DPR forms.

B9a. Architect: unknown **b. Builder:** unknown

***B10. Significance: Theme** commercial **Area** Santa Cruz, CA

Period of Significance Post-War **Property Type** private commercial **Applicable Criteria** N/A

The land on which the subject structure now stands consists of Lot #24, as shown on the "Map of Building Lots on Ocean Street in Santa Cruz, laid out by Dwight Younglove," filed August 4, 1887 (Vol. 5 of Maps, Page 46). Based upon County of Santa Cruz Appraiser's documentation, the commercial building on the property was constructed in 1958. At the time of construction, the property was owned by H. L. and Beatrice Reid (Book 1001 OR, Page 364). From 1959 to 1963 the address is listed as 'Reid & Son Cabinet Makers." On October 17, 1967 the property was sold to Jack and Vivian Johnson and Douglas L. and Patricia Eudey (Book 1850 OR, Page 287). From 1968 to 1979 the structure was occupied by Coast Counties Electrical Contractors. On August 20, 1979 the property was sold to T.J. and Shirley Scott, Norman and Diane Bei, and Hugo Bruno Tottino (Book 3098 OR, Page 235).

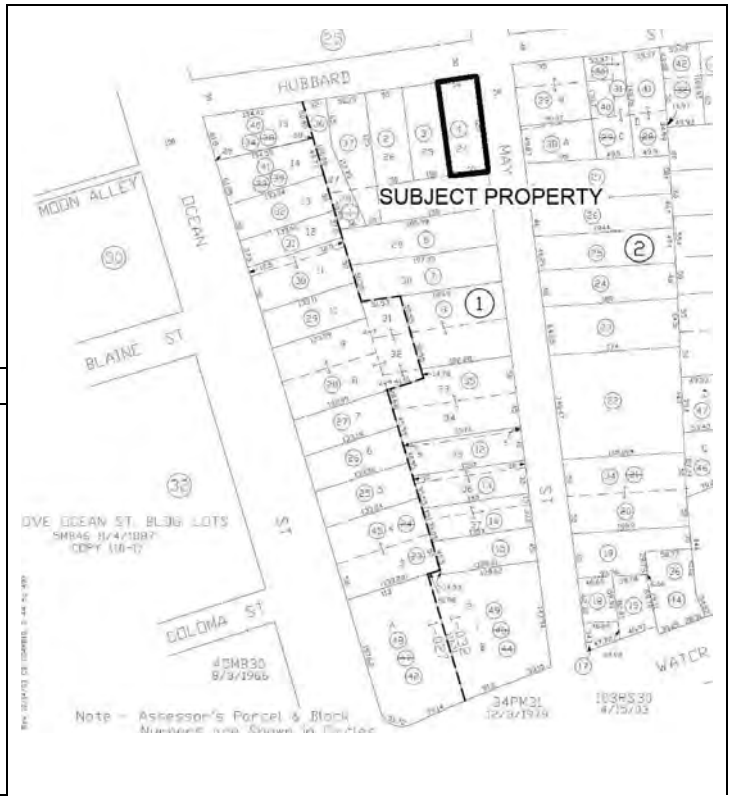
See Continuation Sheet, Page 4

B11. Additional Resource Attributes: (List attributes and codes) N/A

***B12. References:**

See Continuation Sheet, Page 7

B13. Remarks:



***B14. Evaluator:** Robert R. Cartier

***Date of Evaluation:** 11/4/2019

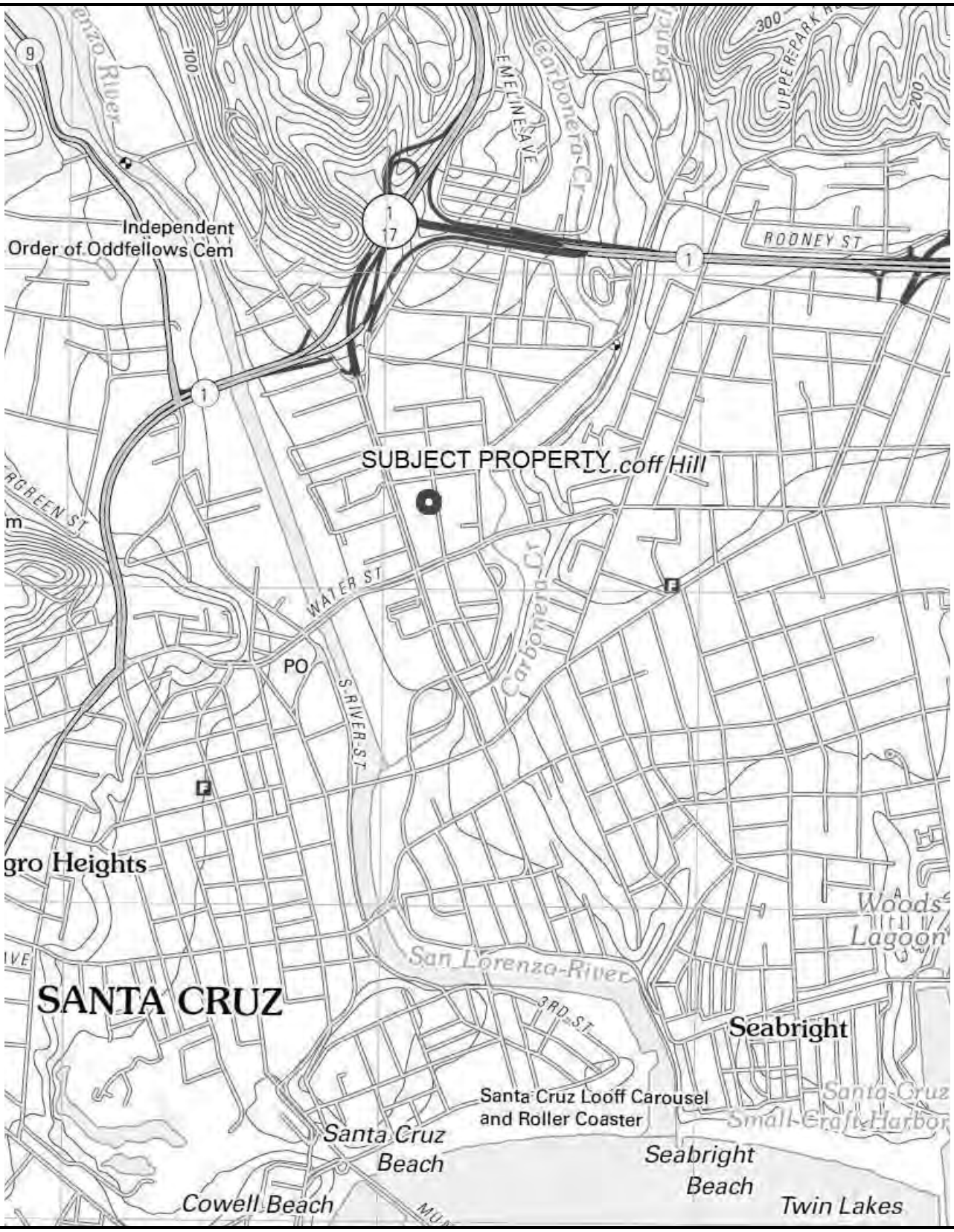
(This space reserved for official comments.)

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

LOCATION MAP

Primary # _____
HRI # _____
Trinomial _____

Page 3 **of** 14 **Resource Name or #** (Assigned by recorder) 457 May Avenue
***Map Name:** Santa Cruz, CA ***Scale:** 7.5 Minute ***Date of Map**: 2012



Continued from B10:

John's Electric Motor Service is first listed at this address in 1980 (having previously operated from 449 May Avenue, beginning in 1976). On July 26, 2005 the property was transferred to Bei-Scott Co., LLC (Assessor's Doc#2005-0050952). The property was transferred again on October 6, 2017, to SE-Santa Cruz, LLC, who are the current owners (Assessor's Doc#2017-0033544).

City of Santa Cruz Historic Preservation Ordinance

According to the City of Santa Cruz Historic Preservation Ordinance (Ordinance #2003-14). A property shall be determined eligible for inclusion in the City of Santa Cruz Historic Building Survey based upon the following Criteria:

The property is either a building, site, or object that is:

1. Recognized as a significant example of the cultural, natural, archaeological, or built heritage of the city, state, or nation; and/or

2. Associated with a significant local, state, or national event; and/or

3. Associated with a person or persons who significantly contributed to the development of the city, state, or nation; and/or

4. Associated with an architect, designer, or builder whose work has influenced the development of the city, state, or nation; and/or

5. Recognized as possessing special aesthetic merit or value as a building with quality of architecture and that retains sufficient features showing its architectural significance; and/or

6. Recognized as possessing distinctive stylistic characteristics or workmanship significant for the study of a period, method of construction, or use of native materials; and/or

7. Retains sufficient integrity to accurately convey its significance.

Or a district which is:

8. Recognized as a geographically definable area possessing a significant concentration of buildings that are well designed and other structures, sites, and objects which are united by past events or by a plan or physical development; or is

9. Recognized as an established and geographically definable neighborhood united by culture, architectural styles or physical development.

The structure at 457 May Avenue is not currently listed in the City of Santa Cruz Historic Building Survey. In addition, it does not appear eligible for listing in this register. The structure is not recognized as a significant example of the built heritage of the city, and thus does not appear eligible for listing under Criterion 1. It is not associated with significant historic events, and thus does not appear eligible for listing under Criterion 2. It is not associated with historically significant persons, thus it does not appear eligible for listing under Criterion 3. It is not known to be the work of an architect or builder of note, and thus does not appear eligible for listing under Criterion 4. It does not possess special aesthetic or architectural merit, and thus does not appear eligible under Criterion 5. Although it is an example of modern commercial architecture, it is not a notable example of this style and does not appear eligible for inclusion under Criterion 6. The structure has suffered some modifications, and is somewhat lacking in integrity. Thus it does not appear to be eligible for inclusion under Criterion 7. The structure is not a part of an historic district, and thus Criteria 8 and 9 do not apply.

California Register of Historic Resources Criteria

A cultural resource is considered "significant" if it qualifies as eligible for listing in the California Register of Historic Resources (CRHR). Properties that are eligible for listing in the CRHR must meet one or more of the following criteria:

1. Association with events that have made a significant contribution to the broad patterns of local or regional history or the cultural heritage of California or the United States;
2. Association with the lives of persons important to local, California, or national history;
3. Embodying the distinctive characteristics of a type, period, region, or method of construction, or representing the work of a master, or possessing high artistic values; or
4. Has yielded, or has the potential to yield, information important to the prehistory or history of the local area, California, or the nation.

A property may be automatically listed in the CRHR if it is formally determined eligible for the National Register of Historic Places. Properties that are formally determined eligible for the NRHP are those that are designated as such through one of the federal preservation programs administered by the California Office of Historic Preservation (i.e., the National Register, Tax Certification, and Section 106 review of federal undertakings).

The CRHR interprets the integrity of a cultural resource based upon its physical authenticity. An historic cultural resource must retain its historic character or appearance and thus be recognizable as an historic resource. Integrity is evaluated by examining the subject's location, design, setting, materials, workmanship, feeling, and association. If the subject has retained these qualities, it may be said to have integrity. It is possible that a cultural resource may not retain sufficient integrity to be listed in the National Register of Historic Places yet still be eligible for listing in the CRHR. If a cultural resource retains the potential to convey significant historical/scientific data, it may be said to retain sufficient integrity for potential listing in the CRHR.

The property at 457 May Avenue is not currently listed on the CRHR. In addition the structure does not appear to be eligible for inclusion in this register. The structure is not associated with significant events and thus it does not appear to be eligible for listing under Criterion 1. The structure is not associated with the lives of historically significant people, thus it does not appear to be eligible for inclusion under Criterion 2. The structure is an example of modern commercial architecture, however it is not a notable example, and suffers from significant modifications from its original form. Thus it does not appear to be eligible for listing under Criterion 3. The structure does not appear to have the potential to yield information important to history, and thus does not appear to be potentially eligible for listing under Criterion 4.

National Register Criteria

The National Register of Historic Places was first established in 1966, with major revisions in 1976. The register is set forth in 36 CFR 60 which establishes the responsibilities of the State Historic Preservation Officers (SHPO), standards for their staffs and review boards, and describes the statewide survey and planning process for historic preservation. Within this regulation guidelines are set forth concerning the National Register of Historic Places (36 CFR 60.6). In addition, further regulations are found in 36 CFR 63-66, 800, and Bulletin 15 which define procedures for determination of eligibility, identification of historic properties, recovery, reporting, and protection procedures. The National Register of Historic Places was established to recognize resources associated with the accomplishments of all peoples who have contributed to the country's history and heritage. Guidelines were designed for Federal and State agencies in nominating cultural resources to the National Register. These guidelines are based upon integrity and significance of the resource. Integrity applies to specific items such as location, design, setting, materials, workmanship, feeling, and association. Quality of significance in American history, architecture, archaeology, engineering and culture is present in resources that possess integrity of location, design, setting, materials, workmanship, feeling, and association, and meet at least one of the following criteria:

A. that are associated with events that have made a significant contribution to broad patterns of our history;
B. that are associated with the lives of persons significant in our past;
C. that embody distinctive characteristics of type, period, or method of construction, or that represent the work of master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction;
D. that have yielded, or are likely to yield, information important in prehistory or history.

Integrity is defined in Bulletin 15: How to Apply the National Register Criteria for Evaluation, (U.S. Department of the Interior, National Park Service 1982) as:

the authenticity of a property's historic identity, evidenced by the survival of physical characteristics that existed during the property's historic or prehistoric period. If a property retains the physical characteristics it possessed in the past then it has the capacity to convey association with historical patterns or persons, architectural or engineering design and technology, or information about a culture or peoples.

There are also seven aspects of integrity which are used. These aspects are:

1. location
2. design
3. setting
4. materials
5. Workmanship
6. Feeling
7. Association

The structure at 457 May Avenue is not currently listed on the National Register of Historic Places. In addition the structure does not appear to be eligible for inclusion in this register. The property is not associated with any known significant historical events, thus it does not appear to be eligible under Criterion A. The structure is not associated with historically significant persons, thus it does not appear to be eligible for inclusion in the NRHP under Criterion B. Although an example of modern commercial architecture, it is not a notable example of this style and does not appear to be eligible for inclusion under Criterion C. The structure does not appear likely to yield important historical information, thus it does not appear eligible for inclusion under Criterion D.

In addition, the structure is somewhat lacking in historic integrity, having multiple additions since its original construction.

Continued from B12:

Appraiser's Office, County of Santa Cruz
2019 Appraiser's records for 457 May Avenue.

Assessor's Office, County of Santa Cruz
2019 Record search of assessed value and associated taxes for 457 May Avenue.

Calloway, S. and E. Cromley
1996 *The Elements of Style: A Practical Encyclopedia of Interior Architectural Details from 1485 to the Present, Revised Edition.* Simon & Schuster, New York.

Hoover, M. et al
1966 Historic Spots in California. Stanford University Press, Stanford California.

John's Electric Motor Service
2015 The Signs they are a' Changin. Blog post, July 31, 2015. https://johnselectricmotorservice.com/blog/

McAlester, V. and L. McAlester
1997 *A Field Guide to American Houses*. Alfred A. Knopf, New York.

Recorder's Office, County of Santa Cruz
2019 Record search of recorded information for 457 May Avenue.

US Department of the Interior
1990 The Secretary of the Interior's Standards for Rehabilitation and Guidelines for Rehabilitating Historic Buildings

US Department of the Interior
1982 Bulletin 15 – "How to Apply the National Register Criteria for Evaluation."

Whiffen, M.
1992 *American Architecture since 1780, Revised Edition*. The MIT Press, Cambridge, MA.



Photo 1: View of the front façade of 457 May Avenue



Photo 2: View of the customer entry and shop windows.



Photo 3: View of the garage bay and southern portion of the façade.



Photo 4: View of the northern façade of the structure.



Photo 5: Oblique view of the southeast corner of the structure.



Photo 6: View of the southern façade.



Photo 7: View along the front façade showing awning and sign.



Photo 8: Detail of the cantilevered awning and sign.

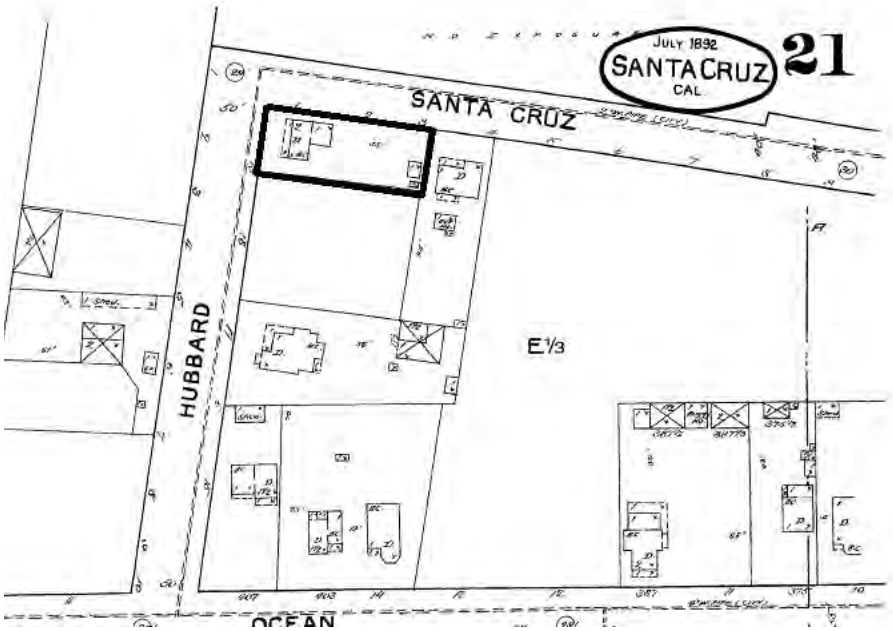


Photo 7: 1892 Sanborn Map of the property showing the structure not present.

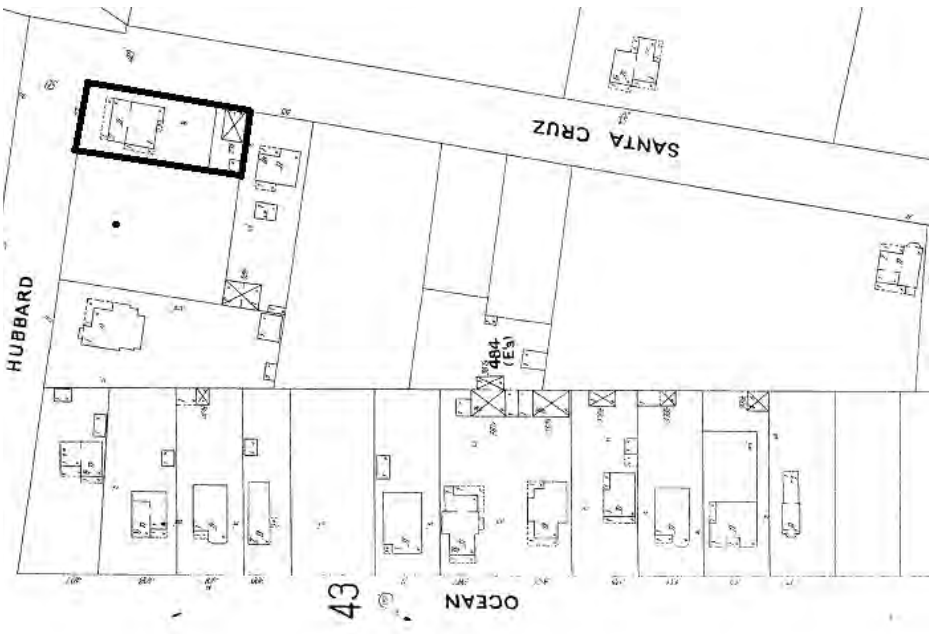


Photo 8: 1905 Sanborn map of the property showing the structure not present.

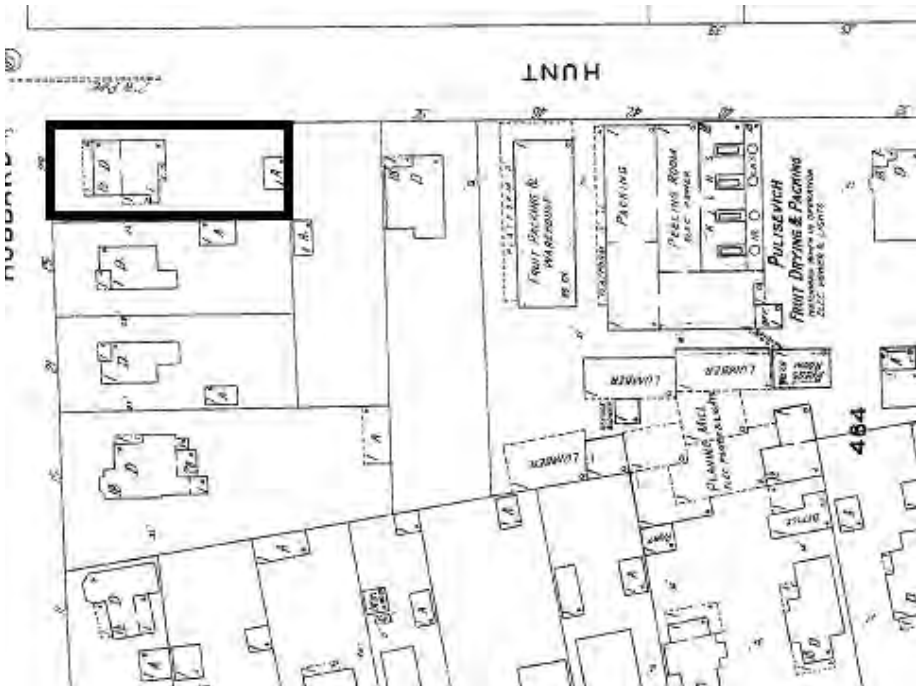


Photo 9: 1928 Sanborn Map of the property showing the structure not present

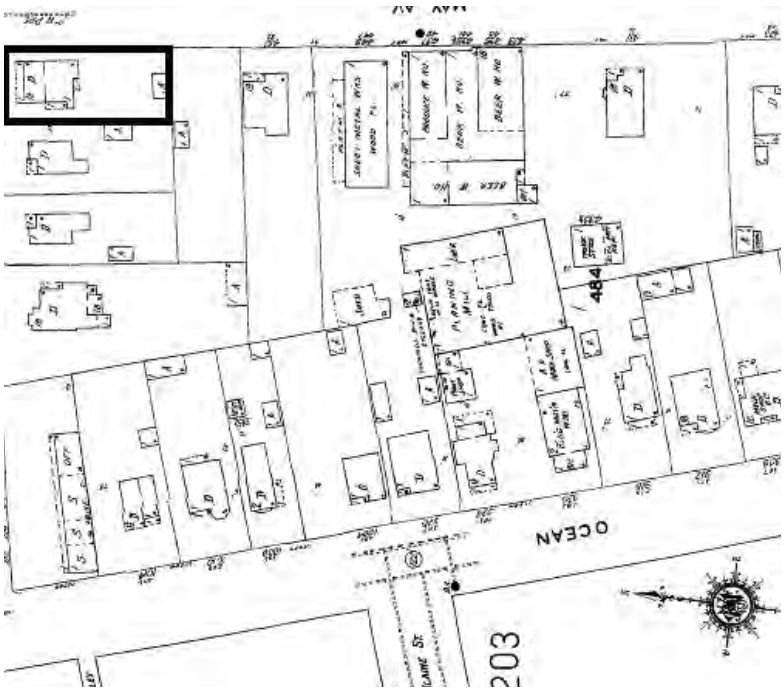


Photo 10: 1950 Sanborn Map of the property showing the structure not present.

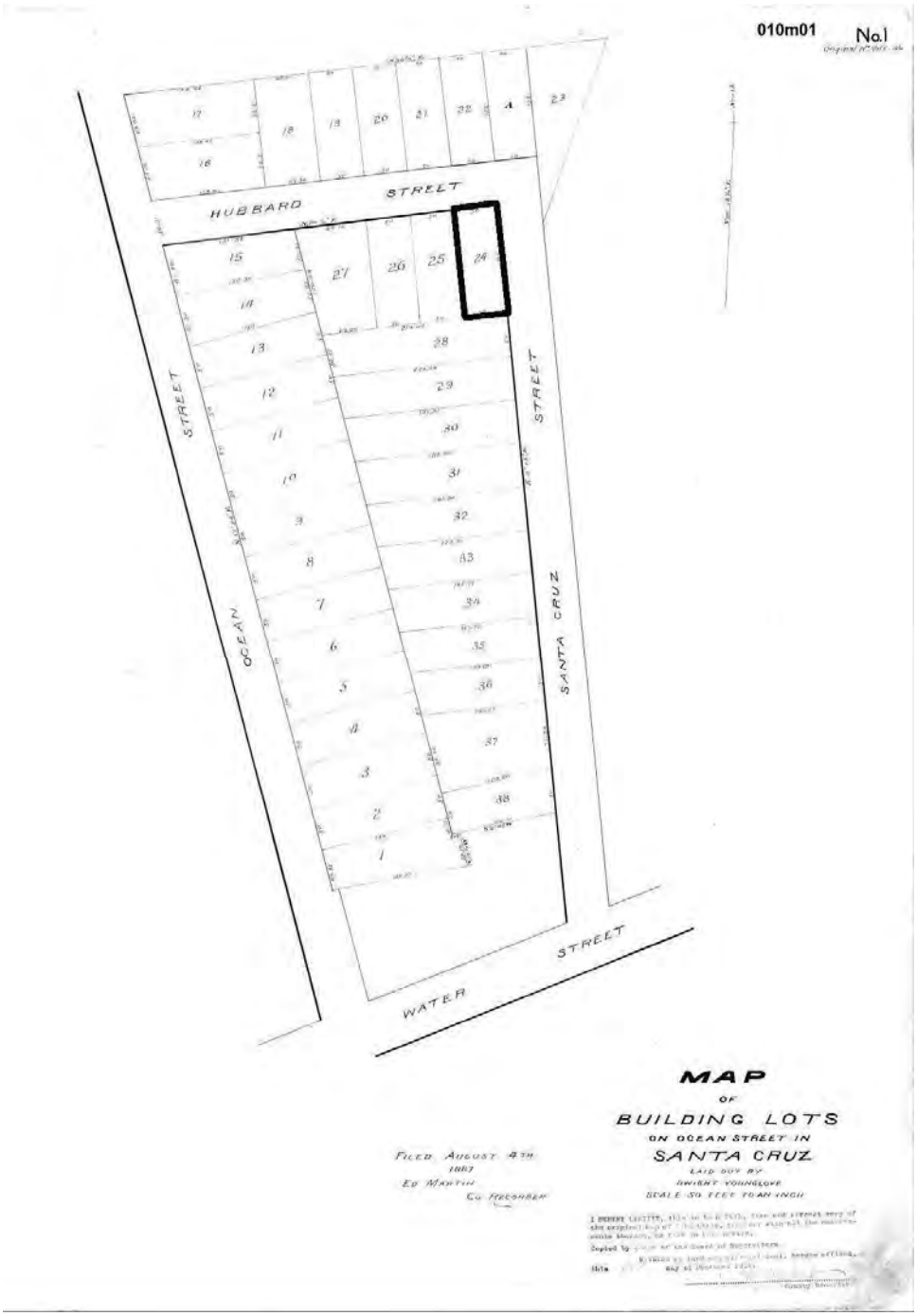


Photo 11: The Subject property as shown on the "Map of the Building Lots on Ocean Street in Santa Cruz, 1887" (Lot #24).

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary # _____
HRI # _____
Trinomial _____
NRHP Status Code _____
Other Listings _____
Review Code _____ **Reviewer** _____ **Date** _____

Page 1 **of** 14 **Resource Name or #** 451 May Avenue

P1. Other Identifier: _____

P2. Location: ____ **Not for Publication** x **Unrestricted** ***a. County** Santa Cruz

and (P2b and P2c or P2d. Attach a Location Map as necessary.)

***b. USGS 7.5' Quad:** Santa Cruz,CA **Date:** 2012 **T** ; **R** ; **1/4 of** **1/4 of Sec** ; **BM**

c. Address: 451 May Avenue **City:** Santa Cruz **Zip:** 95060

d. UTM: 10S 5 87 098mE/40 93 169mN

e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate)

APN: 008 331 06

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries.)

The primary structure at 451 May Avenue is a one story Victorian style residence in fair condition. The roof is of moderate pitch and cross-gabled, surfaced with composition shingles. The eaves are narrow, with enclosed rafters. Exterior walls are surfaced with horizontal wooden siding. The home is raised, with a full basement below. Fenestration throughout the residence is primarily wooden framed, in a double-hung sash configuration. The front façade features an extending, gabled wing on the southern side, with a porch covered by a shallow pitched shed roof supported by narrow wooden posts elaborated with decorative wooden brackets. A stairway with wooden rails provides access to the porch and entry.

***P3b. Resource Attributes:** HP02 (Single Family Res)

***P4. Resources Present:** x Building Structure Object District Element of District Site Other

P5a. Photo or drawing (Photo required for buildings, structures, objects.)



P5b. Description of Photo: (View, date, accession #)
View of the front façade of 451 May Avenue

***P6. Date Constructed/Age and Sources**

Historic x Prehistoric Both

Circa 1906. Constructed 1883 based on County of Santa Cruz Appraiser's records, however not present on the 1892 or 1905 Sanborn Maps for Santa Cruz.

***P7. Owner and Address:**

SE-Santa Cruz, LLC
1777 Saratoga Ave, Suite 210
San Jose, CA 95129

***P8. Recorded by:**

Robert Cartier
Archaeological Resource Management
496 North 5th Street
San Jose, CA 95112

***P9. Date Recorded:** 11/4/2019

***P10. Survey Type:** Intensive

***P11. Report Citation:** (Cite Survey Report and other sources, or enter "none.")
None

* Attachments: None x Location Map Sketch Map x Continuation Sheet x Building, Structure, and Object Record Archaeological Record District Record Linear Feature Record Milling Station Record Rock Art Record Artifact Record Photographic Record Other (List):

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

Primary # _____
HRI # _____

BUILDING, STRUCTURE, AND OBJECT RECORD

Page _2_ **of** 14 ***NRHP Status Code** 451 May Avenue

***Resource Name or #** (Assigned by recorder) _____

B1. Historic Name: 52 Hunt Street

B2. Common Name: 451 May Avenue

B3. Original Use: Residential **B4. Present Use:** Residential (rental)

***B5. Architectural Style:** Victorian

***B6. Construction History:** (Construction date, alterations, and date of alterations)

Based upon visual evaluation and available documentation, the primary structure at 451 May Avenue was constructed Circa 1906. Since its original construction multiple modifications have been made to the structure including rear additions and reroofing.

***B7. Moved?** _x_ **No** ___ **Yes** ___ **Unknown** **Date:** _____ **Original Location:** _____

***B8. Related Features:**

Also present on the property is a small secondary unit located behind the residence. This structure appears to have been constructed post-1950 based upon Sanborn Fire Insurance Maps

B9a. Architect: unknown **b. Builder:** unknown

***B10. Significance: Theme** architecture and shelter **Area** Santa Cruz, CA

Period of Significance Horticulture **Property Type** private residential **Applicable Criteria** N/A

The land on which the subject structure now stands consists of Lot #29, as shown on the "Map of Building Lots on Ocean Street in Santa Cruz, laid out by Dwight Younglove," filed August 4, 1887 (Vol. 5 of Maps, Page 46). In 1891 this lot was owned by Dwight Younglove. On December 5, 1891 the property was granted to Marcellino Leoni (Book 74 Deeds, Page 452). Sanborn Fire Insurance Maps for the City of Santa Cruz show that the home was not present in 1892 or 1905. The residence can be seen on the 1928, and 1950 Sanborn Maps. The residence appears to have been constructed Circa 1906. The earliest known occupant of the home was Joseph Mello, who is listed at the address (then 52 Hunt Street) in 1918. The next occupants were William A. and Cora E. Fawcett, listed in 1921. William was employed as a carpenter. From 1924 to 1927 the property was home to Antone Heitfield. After a period of vacancy in the late 1920s, the home was occupied by a number of short term tenants throughout the 1930s. By 1941 the property was owned by S. S. and Mary Medina. S. S. Medina died on March 28, 1941, and his interest in the property passed to Mary Medina on June 13, 1941 (Book 420 OR, Page 287).

See Continuation Sheet, Page 4

B11. Additional Resource Attributes: (List attributes and codes) N/A

***B12. References:**

See Continuation Sheet, Page 8

B13. Remarks:

***B14. Evaluator:** Robert R. Cartier

***Date of Evaluation:** 11/4/2019

(This space reserved for official comments.)

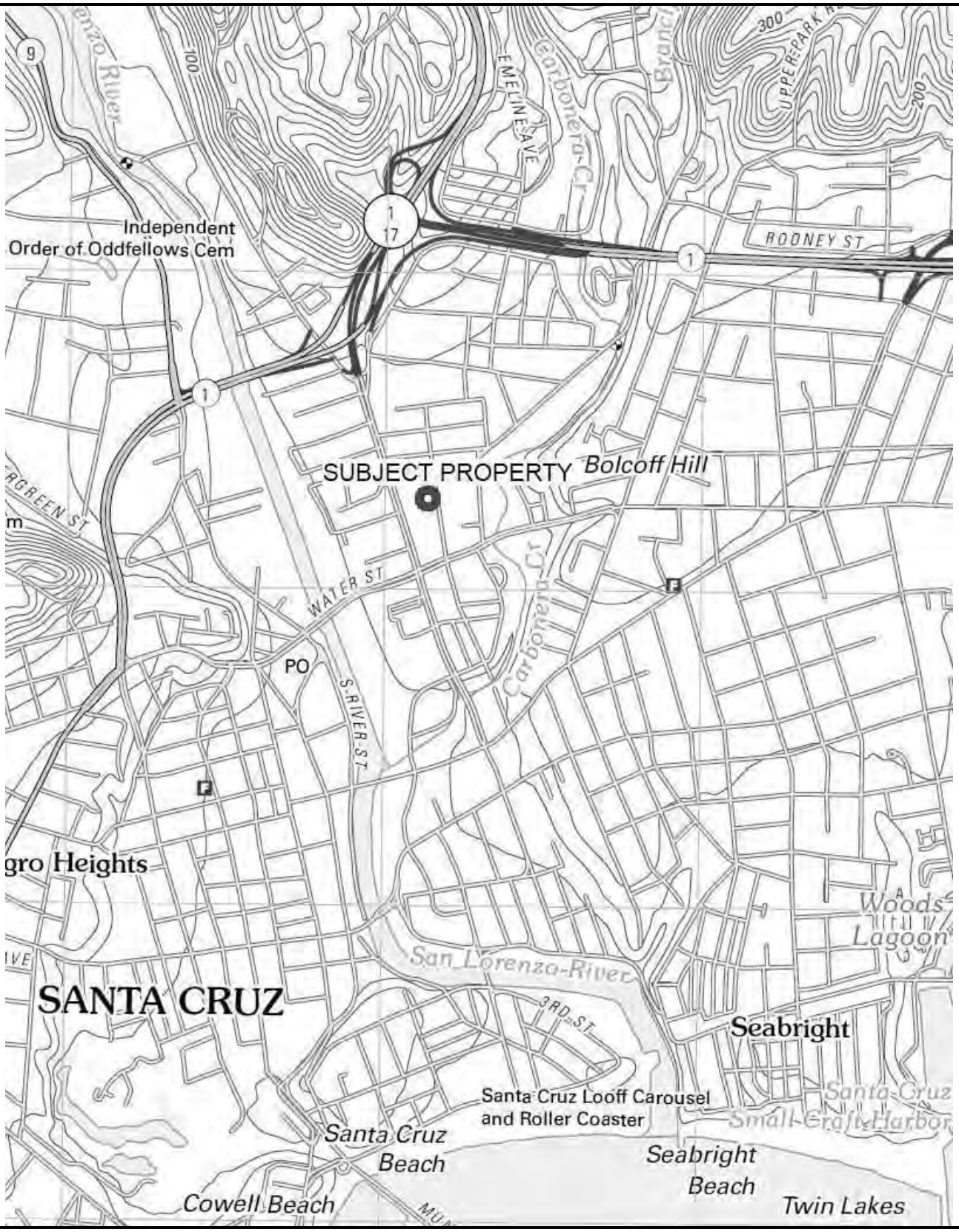


State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

LOCATION MAP

Primary # _____
HRI # _____
Trinomial _____

Page 3 **of** 14 **Resource Name or #** (Assigned by recorder) 451 May Avenue
***Map Name:** Santa Cruz, CA ***Scale:** 7.5 Minute ***Date of Map**: 2012



Continued from B10:

On January 2, 1945 Mary granted the property to Penniman Title Co, Inc. (Book 491 OR, Page 376), who then sold it to J. B. and Bessie M. Clark on January 8, 1945 (Book 491 OR, Page 377). The following year, on July 19, 1946 Bessie ceded her interest in the property to J. B. Clark (Book 591 OR, Page 444). On August 30, 1946 J. B. granted the property to Robert Clark (Book 591 OR, Page 479). Two months late Robert and his wife Helen Clark granted the property to Kazimir and Ruth Witwicki on October 28, 1946 (Book 545 OR, Page 133). Kazimir died on March 15, 1948, and his interest in the property passed to Ruth Witwicki on March 3, 1953 (Book 9044 OR, Page 70). Ruth is listed at this address from 1948 to 1972. After Ruth's death on November 10, 1975 the property passed by Decree of Distribution to Frank Gildea, Robert Gildea, Melanie Ruth Gildea-Hopper, Kimberly Ann Gildea, Jennifer Dawn Violette, Rhonda Brooks Pilz, James Brooks, Lena Brooks, and John Brooks (Book 3377 OR, Page 252). The home was vacant from 1973 to 1977. From 1978 to the present the home appears to have been rented to a number of short term tenants. On February 24, 1993 the property was sold to Bei-Scott Co. (Book 5209 OR, Page 118). On July 26, 2005 the property was transferred to Bei-Scott Co., LLC (Assessor's Doc#2005-0050952). The property was transferred again on October 6, 2017, to SE-Santa Cruz, LLC, who are the current owners (Assessor's Doc#2017-0033544).

City of Santa Cruz Historic Preservation Ordinance

According to the City of Santa Cruz Historic Preservation Ordinance (Ordinance #2003-14). A property shall be determined eligible for inclusion in the City of Santa Cruz Historic Building Survey based upon the following Criteria:

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1. Recognized as a significant example of the cultural, natural, archaeological, or built heritage of the city, state, or nation; and/or
2. Associated with a significant local, state, or national event; and/or
3. Associated with a person or persons who significantly contributed to the development of the city, state, or nation; and/or
4. Associated with an architect, designer, or builder whose work has influenced the development of the city, state, or nation; and/or
5. Recognized as possessing special aesthetic merit or value as a building with quality of architecture and that retains sufficient features showing its architectural significance; and/or
6. Recognized as possessing distinctive stylistic characteristics or workmanship significant for the study of a period, method of construction, or use of native materials; and/or
7. Retains sufficient integrity to accurately convey its significance.

Or a district which is:

8. Recognized as a geographically definable area possessing a significant concentration of buildings that are well designed and other structures, sites, and objects which are united by past events or by a plan or physical development; or is
9. Recognized as an established and geographically definable neighborhood united by culture, architectural styles or physical development.

The structure at 451 May Avenue is not currently listed in the City of Santa Cruz Historic Building Survey. In addition, it does not appear eligible for listing in this register. The structure is not recognized as a significant example of the built heritage of the city, and thus does not appear eligible for listing under Criterion 1. It is not associated with significant historic events, and thus does not appear eligible for listing under Criterion 2. It is not associated with historically significant persons, thus it does not appear eligible for listing under Criterion 3. It is not known to be the work of an architect or builder of note, and thus does not appear eligible for listing under Criterion 4. It does not possess special aesthetic or architectural merit, and thus does not appear eligible under Criterion 5. Although it is an example of Victorian architecture, it is not a notable example of this style and does not appear eligible for inclusion under Criterion 6. In addition, the structure has suffered modifications, and is somewhat lacking in integrity. Thus it does not appear to be eligible for inclusion under Criterion 7. The structure is not a part of an historic district, and thus Criteria 8 and 9 do not apply.

California Register of Historic Resources Criteria

A cultural resource is considered "significant" if it qualifies as eligible for listing in the California Register of Historic Resources (CRHR). Properties that are eligible for listing in the CRHR must meet one or more of the following criteria:

1. Association with events that have made a significant contribution to the broad patterns of local or regional history or the cultural heritage of California or the United States;
2. Association with the lives of persons important to local, California, or national history;
3. Embodying the distinctive characteristics of a type, period, region, or method of construction, or representing the work of a master, or possessing high artistic values; or
4. Has yielded, or has the potential to yield, information important to the prehistory or history of the local area, California, or the nation.

A property may be automatically listed in the CRHR if it is formally determined eligible for the National Register of Historic Places. Properties that are formally determined eligible for the NRHP are those that are designated as such through one of the federal preservation programs administered by the California Office of Historic Preservation (i.e., the National Register, Tax Certification, and Section 106 review of federal undertakings).

The CRHR interprets the integrity of a cultural resource based upon its physical authenticity. An historic cultural resource must retain its historic character or appearance and thus be recognizable as an historic resource. Integrity is evaluated by examining the subject's location, design, setting, materials, workmanship, feeling, and association. If the subject has retained these qualities, it may be said to have integrity. It is possible that a cultural resource may not retain sufficient integrity to be listed in the National Register of Historic Places yet still be eligible for listing in the CRHR. If a cultural resource retains the potential to convey significant historical/scientific data, it may be said to retain sufficient integrity for potential listing in the CRHR.

The property at 451 May Avenue is not currently listed on the CRHR. In addition the structure does not appear to be eligible for inclusion in this register. The structure is not associated with significant events and thus it does not appear to be eligible for listing under Criterion 1. The structure is not associated with the lives of historically significant people, thus it does not appear to be eligible for inclusion under Criterion 2. The structure is an example of the Victorian style, however it is not a notable example. Thus it does not appear to be eligible for listing under Criterion 3. The structure does not appear to have the potential to yield information important to history, and thus does not appear to be potentially eligible for listing under Criterion 4.

National Register Criteria

The National Register of Historic Places was first established in 1966, with major revisions in 1976. The register is set forth in 36 CFR 60 which establishes the responsibilities of the State Historic Preservation Officers (SHPO), standards for their staffs and review boards, and describes the statewide survey and planning process for historic preservation. Within this regulation guidelines are set forth concerning the National Register of Historic Places (36 CFR 60.6). In addition, further regulations are found in 36 CFR 63-66, 800, and Bulletin 15 which define procedures for determination of eligibility, identification of historic properties, recovery, reporting, and protection procedures. The National Register of Historic Places was established to recognize resources associated with the accomplishments of all peoples who have contributed to the country's history and heritage. Guidelines were designed for Federal and State agencies in nominating cultural resources to the National Register. These guidelines are based upon integrity and significance of the resource. Integrity applies to specific items such as location, design, setting, materials, workmanship, feeling, and association. Quality of significance in American history, architecture, archaeology, engineering and culture is present in resources that possess integrity of location, design, setting, materials, workmanship, feeling, and association, and meet at least one of the following criteria:

A. that are associated with events that have made a significant contribution to broad patterns of our history;
B. that are associated with the lives of persons significant in our past;
C. that embody distinctive characteristics of type, period, or method of construction, or that represent the work of master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction;
D. that have yielded, or are likely to yield, information important in prehistory or history.

Integrity is defined in Bulletin 15: How to Apply the National Register Criteria for Evaluation, (U.S. Department of the Interior, National Park Service 1982) as:

the authenticity of a property's historic identity, evidenced by the survival of physical characteristics that existed during the property's historic or prehistoric period. If a property retains the physical characteristics it possessed in the past then it has the capacity to convey association with historical patterns or persons, architectural or engineering design and technology, or information about a culture or peoples.

There are also seven aspects of integrity which are used. These aspects are:

1. location
2. design
3. setting
4. materials
5. Workmanship
6. Feeling
7. Association

The structure at 451 May Avenue is not currently listed on the National Register of Historic Places. In addition the structure does not appear to be eligible for inclusion in this register. The property is not associated with any known significant historical events, thus it does not appear to be eligible under Criterion A. The structure is not associated with historically significant persons, thus it does not appear to be eligible for inclusion in the NRHP under Criterion B. Although an example of Victorian architecture, it is not a notable example of this style and does not appear to be eligible for inclusion under Criterion C. The structure does not appear likely to yield important historical information, thus it does not appear eligible for inclusion under Criterion D.

In addition, the structure is somewhat lacking in historic integrity, having multiple additions since its original construction.

Continued from B12:

Appraiser's Office, County of Santa Cruz
2019 Appraiser's records for 451 May Avenue.

Assessor's Office, County of Santa Cruz
2019 Record search of assessed value and associated taxes for 451 May Avenue.

Calloway, S. and E. Cromley
1996 *The Elements of Style: A Practical Encyclopedia of Interior Architectural Details from 1485 to the Present, Revised Edition.* Simon & Schuster, New York.

Hoover, M. et al
1966 Historic Spots in California. Stanford University Press, Stanford California.

McAlester, V. and L. McAlester
1997 *A Field Guide to American Houses*. Alfred A. Knopf, New York.

Recorder's Office, County of Santa Cruz
2019 Record search of recorded information for 451 May Avenue.

US Department of the Interior
1990 The Secretary of the Interior's Standards for Rehabilitation and Guidelines for Rehabilitating Historic Buildings

US Department of the Interior
1982 Bulletin 15 – "How to Apply the National Register Criteria for Evaluation."

Whiffen, M.
1992 *American Architecture since 1780, Revised Edition*. The MIT Press, Cambridge, MA.



Photo 1: View of the front façade of 451 May Avenue



Photo 2: Another view of the front façade.



Photo 3: View of the front porch and entry.



Photo 4: View of the front gabled (southern) wing.



Photo 5: View of the northern façade of the residence.



Photo 6: View of the southern façade.



Photo 7: Oblique view from the southwest, note secondary unit.



Photo 8: View of the secondary unit and rear façade of the main residence..

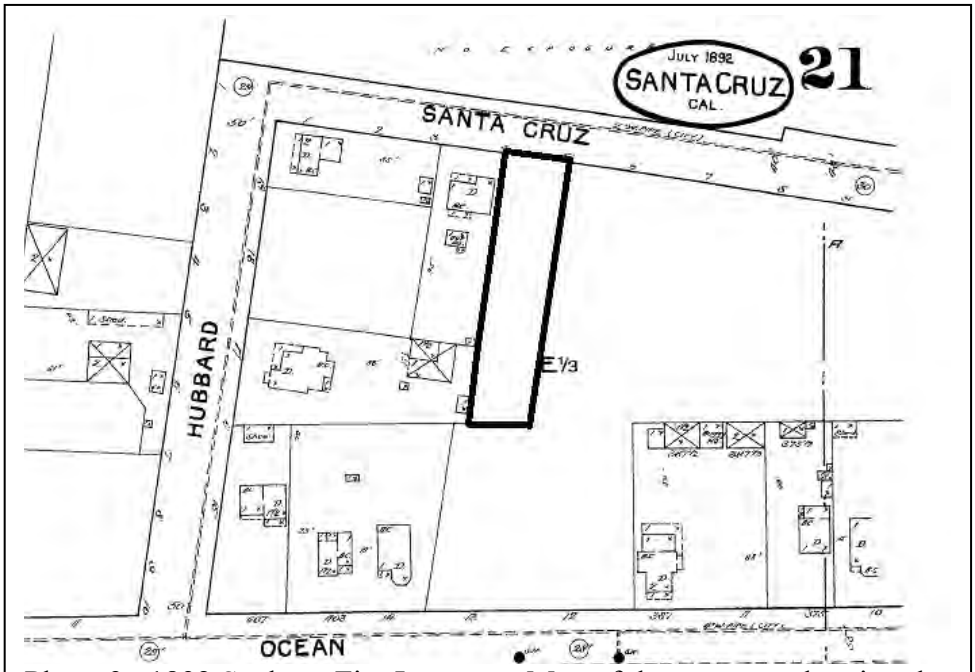


Photo 9: 1892 Sanborn Fire Insurance Map of the property showing the structure was not present at that time.

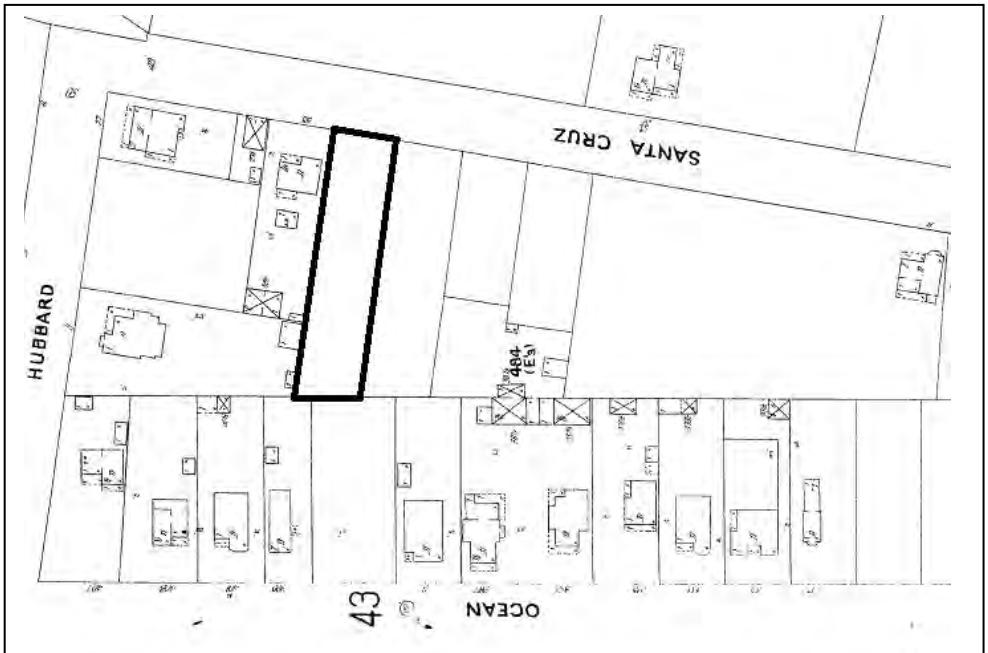


Photo 10: 1905 Sanborn Fire Insurance Map of the property showing the structure was not present at that time.

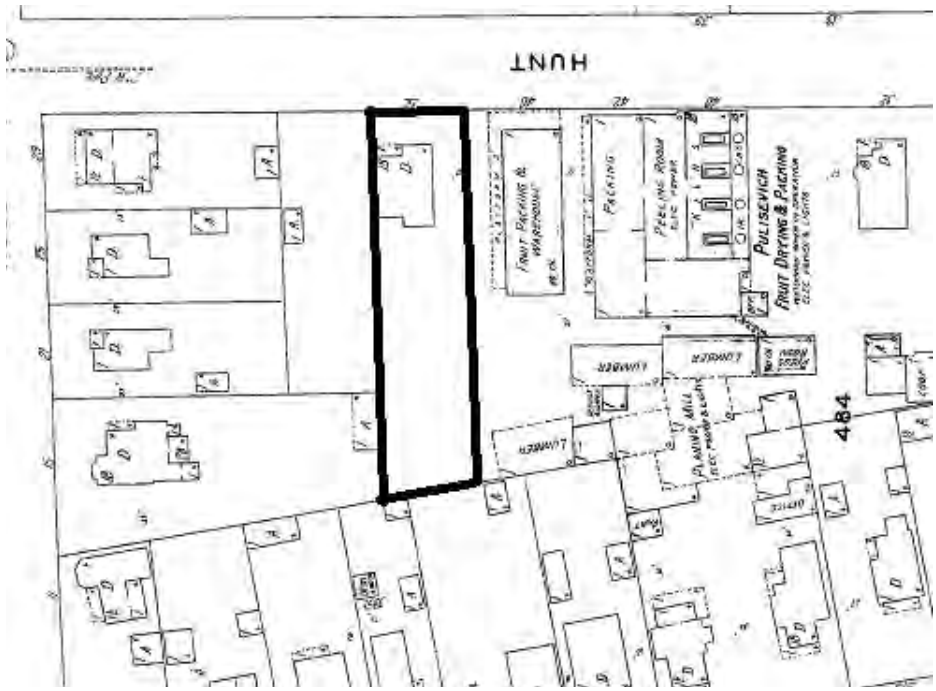


Photo 11: 1928 Sanborn Fire Insurance Map of the property showing the structure.

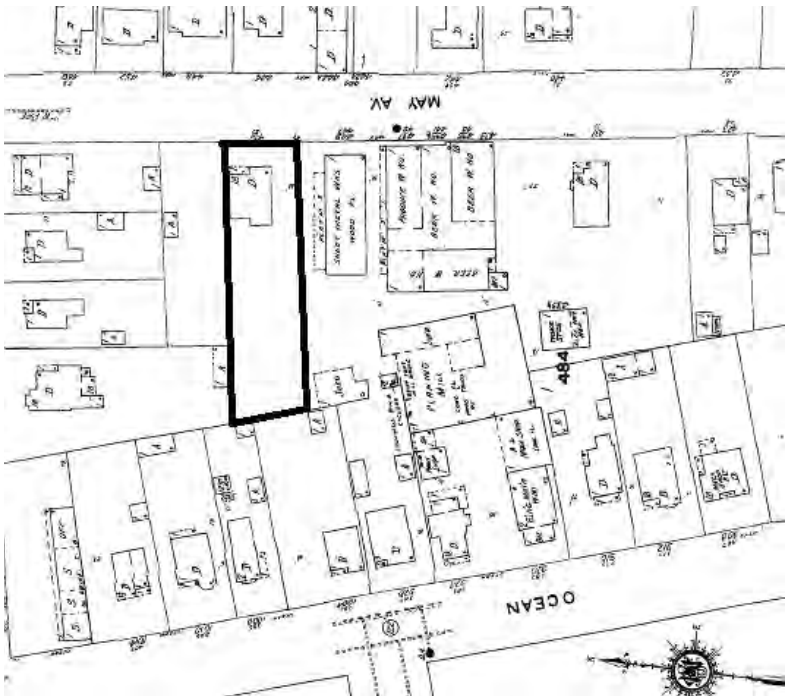


Photo 12: 1950 Sanborn Fire Insurance Map of the property.

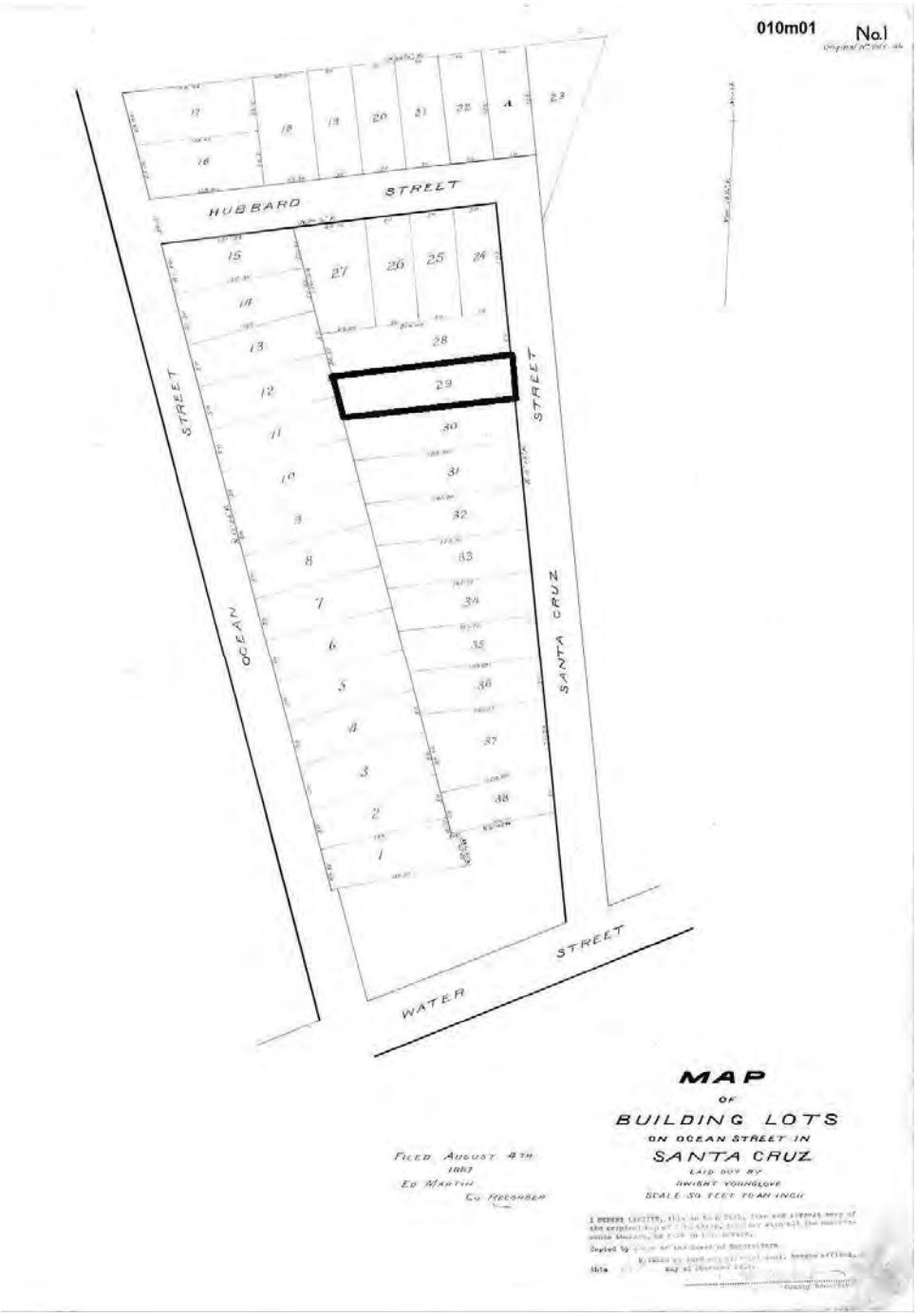


Photo 13: The Subject property as shown on the "Map of the Building Lots on Ocean Street in Santa Cruz, 1887" (Lot #29).

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary # _____
HRI # _____
Trinomial _____
NRHP Status Code _____
Other Listings _____
Review Code _____ **Reviewer** _____ **Date** _____

Page _1_ **of** 15 **Resource Name or #** ___431 May Avenue___

P1. Other Identifier: _____ _____

P2. Location: ____ **Not for Publication** _x__ **Unrestricted** ***a. County** __Santa Cruz__

and (P2b and P2c or P2d. Attach a Location Map as necessary.)

***b. USGS 7.5' Quad:** Santa Cruz,CA **Date:** 2012 **T** ; **R** ; **1/4 of** **1/4 of Sec** ; **BM**

c. Address: 431 May Avenue **City:** Santa Cruz **Zip:** 95060

d. UTM: 10S 5 87 098mE/40 93 169mN

e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate)

APN: 008 331 35

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries.)

The primary structure at 431 May Avenue is one story Victorian style residence in fair condition. . The roof is of moderate pitch and hipped, surfaced with composition shingles. The eaves are narrow, with boxed and enclosed rafters. Exterior walls are surfaced with horizontal wooden siding. The home is raised, with a full basement below. Fenestration throughout the residence is primarily vinyl framed and non-original, in a double-hung sash configuration. The front façade features an extending, gabled wing on the southern side. A porch covered by an extending portion of the hipped roof is situated on the northern side of the front façade. This porch roof is supported by a single broad classical column. A stairway with wooden rails provides access to the porch and entry. A second entry is located on the rear façade, also accessed by a wooden stairway.

***P3b. Resource Attributes:** HP02 (Single Family Res)

***P4. Resources Present:** x_Building __Structure __Object __District __Element of District __Site __Other

P5a. Photo or drawing (Photo required for buildings, structures, objects.)



P5b. Description of Photo: (View, date, accession #)

View of the front façade of 431 May Avenue

***P6. Date Constructed/Age and Sources**

Historic x Prehistoric Both

Circa 1906. Constructed 1900 based on County of Santa Cruz Appraiser's records, however not present on the 1905 Sanborn Map for Santa Cruz.

***P7. Owner and Address:**

SE-Santa Cruz, LLC
1777 Saratoga Ave, Suite 210
San Jose, CA 95129

***P8. Recorded by:**

Robert Cartier
Archaeological Resource Management
496 North 5th Street
San Jose, CA 95112

***P9. Date Recorded:** 11/4/2019

***P10. Survey Type:** Intensive

***P11. Report Citation:** (Cite Survey Report and other sources, or enter "none.")

None

* Attachments: __None x_Location Map __Sketch Map x_Continuation Sheet x_Building, Structure, and Object Record __Archaeological Record __District Record __Linear Feature Record __Milling Station Record __Rock Art Record __Artifact Record __Photographic Record __Other (List):

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

Primary # _____
HRI # _____

BUILDING, STRUCTURE, AND OBJECT RECORD

Page _2_ **of** 15 ***NRHP Status Code** 431 May Avenue

***Resource Name or #** (Assigned by recorder) _____

B1. Historic Name: 32 Hunt Street

B2. Common Name: 431 May Avenue

B3. Original Use: Residential **B4. Present Use:** Residential (rental)

***B5. Architectural Style:** Victorian

***B6. Construction History:** (Construction date, alterations, and date of alterations)

Based upon visual evaluation and available documentation, the primary structure at 431 May Avenue was constructed Circa 1906. Since its original construction multiple modifications have been made to the structure including rear additions and reroofing.

***B7. Moved?** _x_ **No** ___ **Yes** ___ **Unknown** **Date:** _____ **Original Location:** _____

***B8. Related Features:**

Also present on the property is very small secondary residence, located just south of the primary residence at 429 May Avenue. This structure was built after 1950 based upon Sanborn maps, and the address first appears in the Santa Cruz City Directory in 1976, listed as "Roommates Exchange Rental Service. It appears to have been sporadically occupied by short term rental tenants since that time. Having been constructed circa the mid-1970's, it significantly predates the "Tiny-House Movement," an architectural and social movement that advocates simple living in small (generally under 400 square foot) homes, which emerged in the early 2000's (Sparks 2016). However; it embodies many characteristics of that movement. The structure features a shed roof, broad overhanging eaves with exposed rafters, and an outward sloping front façade. The exterior walls are surfaced with horizontal wooden siding, painted white with blue trim.

B9a. Architect: unknown **b. Builder:** unknown

***B10. Significance: Theme** architecture and shelter **Area** Santa Cruz, CA

Period of Significance Horticulture **Property Type** private residential **Applicable Criteria** N/A

The land on which the subject structure now stands consists of a portion of Lot #34, as shown on the "Map of Building Lots on Ocean Street in Santa Cruz, laid out by Dwight Younglove," filed August 4, 1887 (Vol. 5 of Maps, Page 46). The residence is not visible on the 1905 Sanborn Map of Santa Cruz, but appears to have been built shortly thereafter (Circa 1906). This residence can be seen on the 1928, and 1950 Sanborn Maps.

See Continuation Sheet, Page 4

B11. Additional Resource Attributes: (List attributes and codes) N/A

***B12. References:**

See Continuation Sheet, Page 8

B13. Remarks:

***B14. Evaluator:** Robert R. Cartier

***Date of Evaluation:** 11/4/2019

(This space reserved for official comments.)

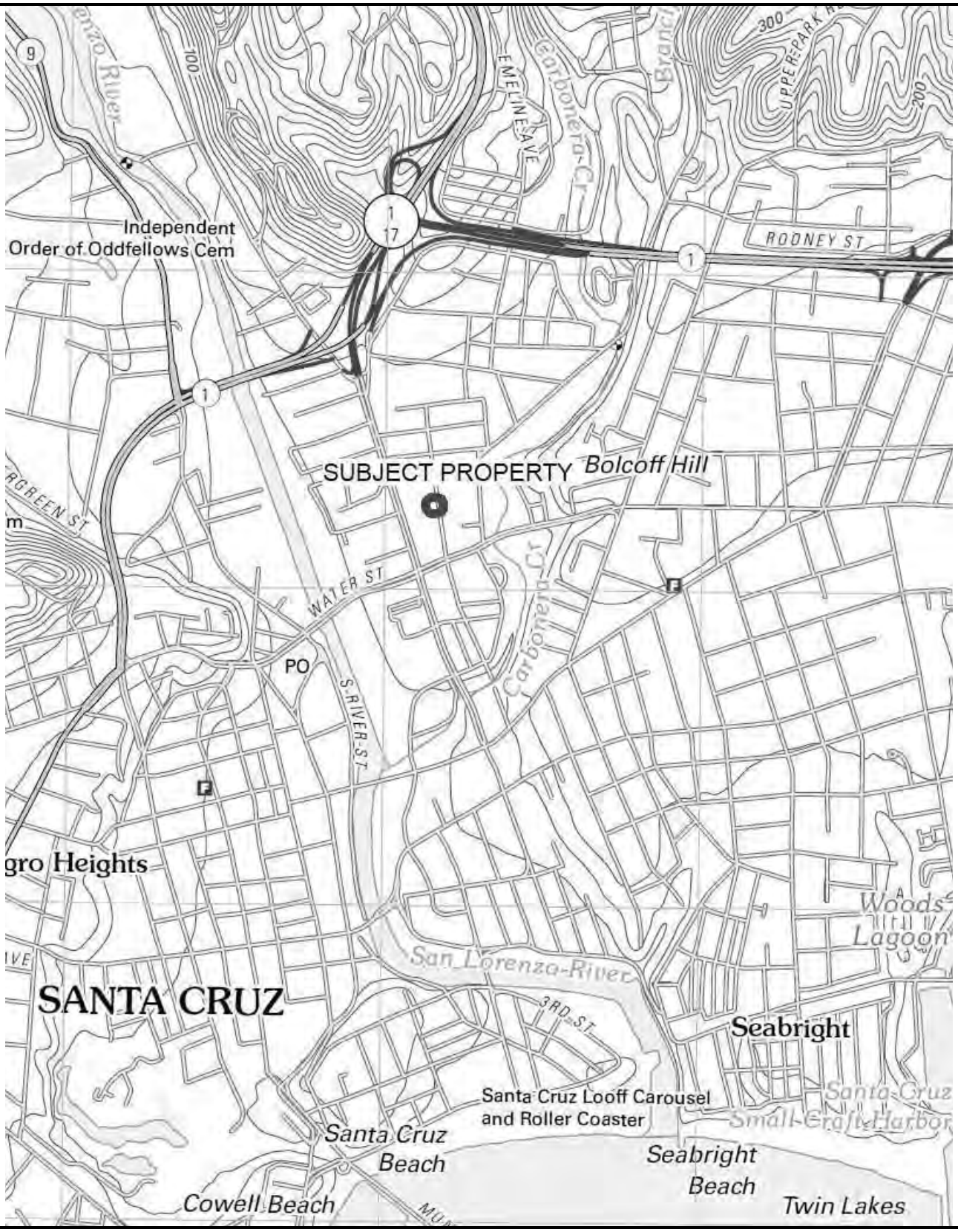


State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

LOCATION MAP

Primary # _____
HRI # _____
Trinomial _____

Page 3 **of** 15 **Resource Name or #** (Assigned by recorder) 431 May Avenue
***Map Name:** Santa Cruz, CA ***Scale:** 7.5 Minute ***Date of Map**: 2012



Continued from B10:

The earliest known residents of the home were Nicolas C. and Katherine Pulisevich, and their sons Peter N. and W. V. Pulisevich, who are shown at this address (then 32 Hunt Street) in the City of Santa Cruz directory by 1916. The family ran N. C. Pulisevich and Sons, a fruit packing and shipping operation, which was located immediately north of the subject parcel, and can be seen on the 1928 and 1950 Sanborn maps. After Nicolas' death in 1947, the property passed to Peter N. Pulisevich. From 1950 to 1957 the residence was occupied by Willbanks Electrical Motor Service. From 1958 to 1963 it was listed under Moody J. Willbanks. The Pulisevich family retained ownership of the property until March 12, 1968, when it was sold to T.J. and Shirley Scott, Norman and Diane Bei, and Hugo Bruno Tottino (Book 1869 OR, Page 547). Since that time the home has been operated as a rental property, with a number of short term tenants. On July 26, 2005 the property was transferred to Bei-Scott Co., LLC (Assessor's Doc#2005-0050952). The property was transferred again on October 6, 2017, to SE-Santa Cruz, LLC, who are the current owners (Assessor's Doc#2017-0033544).

City of Santa Cruz Historic Preservation Ordinance

According to the City of Santa Cruz Historic Preservation Ordinance (Ordinance #2003-14). A property shall be determined eligible for inclusion in the City of Santa Cruz Historic Building Survey based upon the following Criteria:

The property is either a building, site, or object that is:

1. Recognized as a significant example of the cultural, natural, archaeological, or built heritage of the city, state, or nation; and/or
2. Associated with a significant local, state, or national event; and/or
3. Associated with a person or persons who significantly contributed to the development of the city, state, or nation; and/or
4. Associated with an architect, designer, or builder whose work has influenced the development of the city, state, or nation; and/or
5. Recognized as possessing special aesthetic merit or value as a building with quality of architecture and that retains sufficient features showing its architectural significance; and/or
6. Recognized as possessing distinctive stylistic characteristics or workmanship significant for the study of a period, method of construction, or use of native materials; and/or
7. Retains sufficient integrity to accurately convey its significance.

Or a district which is:

8. Recognized as a geographically definable area possessing a significant concentration of buildings that are well designed and other structures, sites, and objects which are united by past events or by a plan or physical development; or is
9. Recognized as an established and geographically definable neighborhood united by culture, architectural styles or physical development.

The structure at 431 May Avenue is not currently listed in the City of Santa Cruz Historic Building Survey. In addition, it does not appear eligible for listing in this register. The structure is not recognized as a significant example of the built heritage of the city, and thus does not appear eligible for listing under Criterion 1. It is not associated with significant historic events, and thus does not appear eligible for listing under Criterion 2. It is not associated with historically significant persons, thus it does not appear eligible for listing under Criterion 3. It is not known to be the work of an architect or builder of note, and thus does not appear eligible for listing under Criterion 4. It does not possess special aesthetic or architectural merit, and thus does not appear eligible under Criterion 5. Although it is an example of Victorian architecture, it is not a notable example of this style and does not appear eligible for inclusion under Criterion 6. In addition, the structure has suffered modifications, and is somewhat lacking in integrity. Thus it does not appear to be eligible for inclusion under Criterion 7. The structure is not a part of an historic district, and thus Criteria 8 and 9 do not apply.

California Register of Historic Resources Criteria

A cultural resource is considered "significant" if it qualifies as eligible for listing in the California Register of Historic Resources (CRHR). Properties that are eligible for listing in the CRHR must meet one or more of the following criteria:

1. Association with events that have made a significant contribution to the broad patterns of local or regional history or the cultural heritage of California or the United States;
2. Association with the lives of persons important to local, California, or national history;
3. Embodying the distinctive characteristics of a type, period, region, or method of construction, or representing the work of a master, or possessing high artistic values; or
4. Has yielded, or has the potential to yield, information important to the prehistory or history of the local area, California, or the nation.

A property may be automatically listed in the CRHR if it is formally determined eligible for the National Register of Historic Places. Properties that are formally determined eligible for the NRHP are those that are designated as such through one of the federal preservation programs administered by the California Office of Historic Preservation (i.e., the National Register, Tax Certification, and Section 106 review of federal undertakings).

The CRHR interprets the integrity of a cultural resource based upon its physical authenticity. An historic cultural resource must retain its historic character or appearance and thus be recognizable as an historic resource. Integrity is evaluated by examining the subject's location, design, setting, materials, workmanship, feeling, and association. If the subject has retained these qualities, it may be said to have integrity. It is possible that a cultural resource may not retain sufficient integrity to be listed in the National Register of Historic Places yet still be eligible for listing in the CRHR. If a cultural resource retains the potential to convey significant historical/scientific data, it may be said to retain sufficient integrity for potential listing in the CRHR.

The property at 431 May Avenue is not currently listed on the CRHR. In addition the structure does not appear to be eligible for inclusion in this register. The structure is not associated with significant events and thus it does not appear to be eligible for listing under Criterion 1. The structure is not associated with the lives of historically significant people, thus it does not appear to be eligible for inclusion under Criterion 2. The structure is an example of Victorian architecture, however it is not a notable example, and suffers from modifications from its original form. Thus it does not appear to be eligible for listing under Criterion 3. The structure does not appear to have the potential to yield information important to history, and thus does not appear to be potentially eligible for listing under Criterion 4.

National Register Criteria

The National Register of Historic Places was first established in 1966, with major revisions in 1976. The register is set forth in 36 CFR 60 which establishes the responsibilities of the State Historic Preservation Officers (SHPO), standards for their staffs and review boards, and describes the statewide survey and planning process for historic preservation. Within this regulation guidelines are set forth concerning the National Register of Historic Places (36 CFR 60.6). In addition, further regulations are found in 36 CFR 63-66, 800, and Bulletin 15 which define procedures for determination of eligibility, identification of historic properties, recovery, reporting, and protection procedures. The National Register of Historic Places was established to recognize resources associated with the accomplishments of all peoples who have contributed to the country's history and heritage. Guidelines were designed for Federal and State agencies in nominating cultural resources to the National Register. These guidelines are based upon integrity and significance of the resource. Integrity applies to specific items such as location, design, setting, materials, workmanship, feeling, and association. Quality of significance in American history, architecture, archaeology, engineering and culture is present in resources that possess integrity of location, design, setting, materials, workmanship, feeling, and association, and meet at least one of the following criteria:

A. that are associated with events that have made a significant contribution to broad patterns of our history;
B. that are associated with the lives of persons significant in our past;
C. that embody distinctive characteristics of type, period, or method of construction, or that represent the work of master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction;
D. that have yielded, or are likely to yield, information important in prehistory or history.

Integrity is defined in Bulletin 15: How to Apply the National Register Criteria for Evaluation, (U.S. Department of the Interior, National Park Service 1982) as:

the authenticity of a property's historic identity, evidenced by the survival of physical characteristics that existed during the property's historic or prehistoric period. If a property retains the physical characteristics it possessed in the past then it has the capacity to convey association with historical patterns or persons, architectural or engineering design and technology, or information about a culture or peoples.

There are also seven aspects of integrity which are used. These aspects are:

1. location
2. design
3. setting
4. materials
5. Workmanship
6. Feeling
7. Association

The structure at 431 May Avenue is not currently listed on the National Register of Historic Places. In addition the structure does not appear to be eligible for inclusion in this register. The property is not associated with any known significant historical events, thus it does not appear to be eligible under Criterion A. The structure is not associated with historically significant persons, thus it does not appear to be eligible for inclusion in the NRHP under Criterion B. Although an example of Victorian architecture, it is not a notable example of this style and does not appear to be eligible for inclusion under Criterion C. The structure does not appear likely to yield important historical information, thus it does not appear eligible for inclusion under Criterion D.

In addition, the structure is somewhat lacking in historic integrity, having multiple additions since its original construction.

Continued from B12:

Appraiser's Office, County of Santa Cruz
2019 Appraiser's records for 431 May Avenue.

Assessor's Office, County of Santa Cruz
2019 Record search of assessed value and associated taxes for 431 May Avenue.

Calloway, S. and E. Cromley
1996 *The Elements of Style: A Practical Encyclopedia of Interior Architectural Details from 1485 to the Present, Revised Edition.* Simon & Schuster, New York.

Hoover, M. et al
1966 Historic Spots in California. Stanford University Press, Stanford California.

McAlester, V. and L. McAlester
1997 *A Field Guide to American Houses*. Alfred A. Knopf, New York.

Recorder's Office, County of Santa Cruz
2019 Record search of recorded information for 431 May Avenue.

Sparks, K.
2016 Tiny Houses. Encyclopedia Britannica Book of the Year. https://www.britannica.com/topic/Tiny-Houses-2067720

US Department of the Interior
1990 The Secretary of the Interior's Standards for Rehabilitation and Guidelines for Rehabilitating Historic Buildings

US Department of the Interior
1982 Bulletin 15 – "How to Apply the National Register Criteria for Evaluation."

Whiffen, M.
1992 *American Architecture since 1780, Revised Edition*. The MIT Press, Cambridge, MA.



Photo 1: View of the front façade of 431 May Avenue



Photo 2: Another view of the front façade.



Photo 3: View of the front gabled (southern) wing.



Photo 4: View of the entry and porch.



Photo 5: View of the northern façade of the residence.



Photo 6: View of the southern façade of the residence.



Photo 7: View of the rear façade and rear entry.



Photo 8: View of 429 May Avenue.



Photo 9: Oblique view of 429 May Avenue.



Photo 10: View of 429 May Avenue from the south.

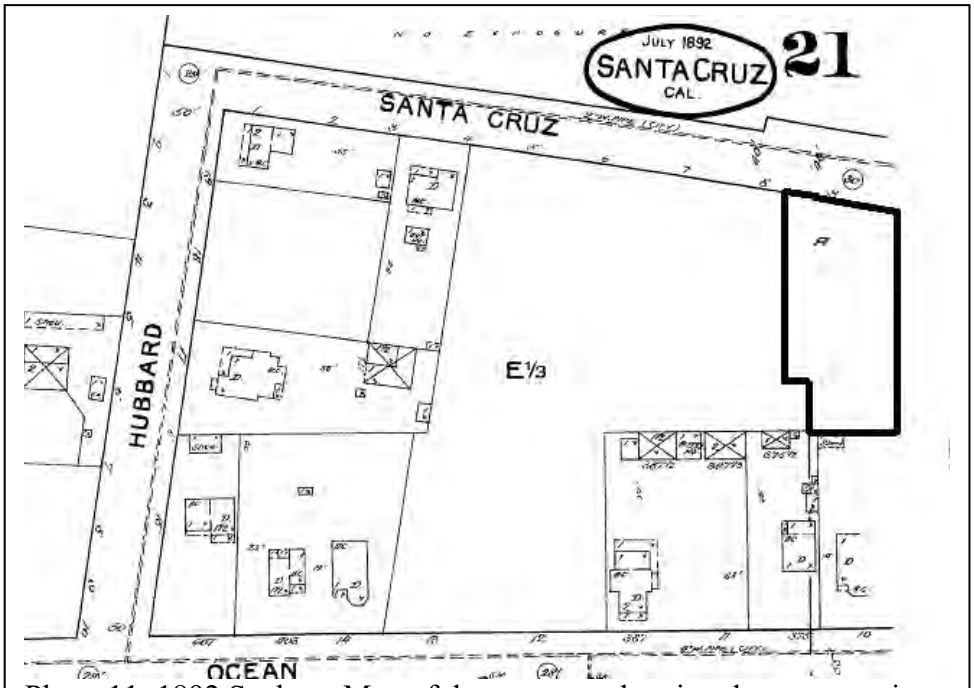


Photo 11: 1892 Sanborn Map of the property showing the structure is not present at that time.

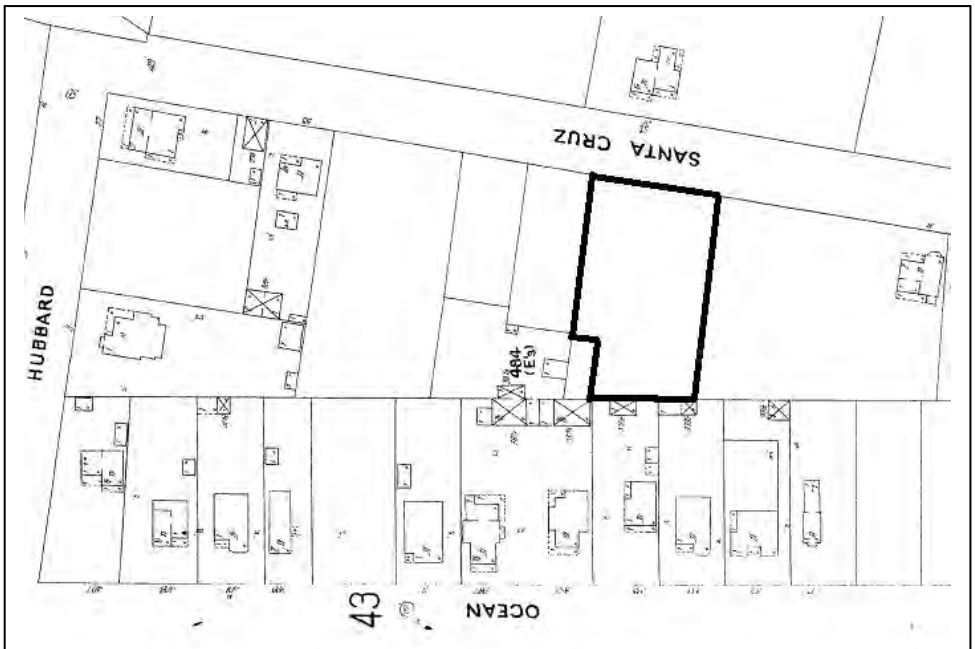


Photo 12: 1905 Sanborn map of the property showing the structure is not present at that time.

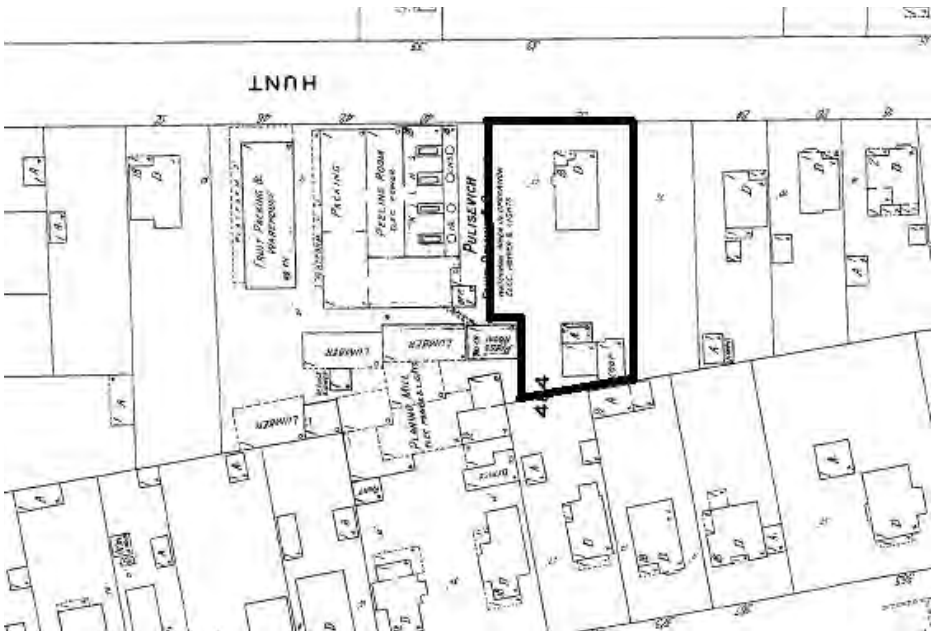


Photo 13: 1928 Sanborn Map of the property showing the subject structure. Note the Pulisevich Fruit Packing facility to the left of the subject property.

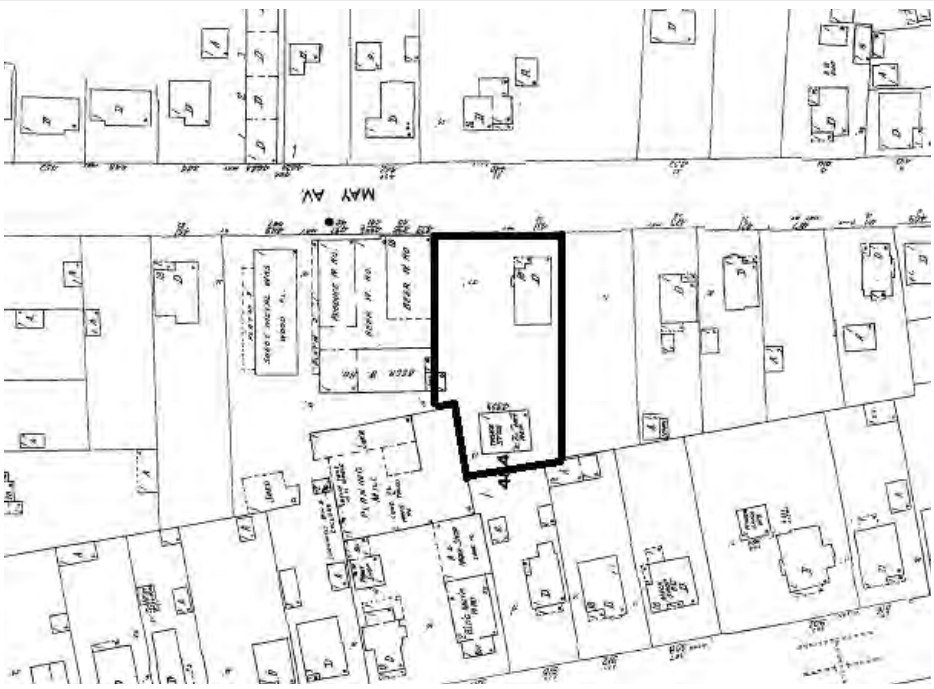


Photo 14: 1950 Sanborn Map of the property.

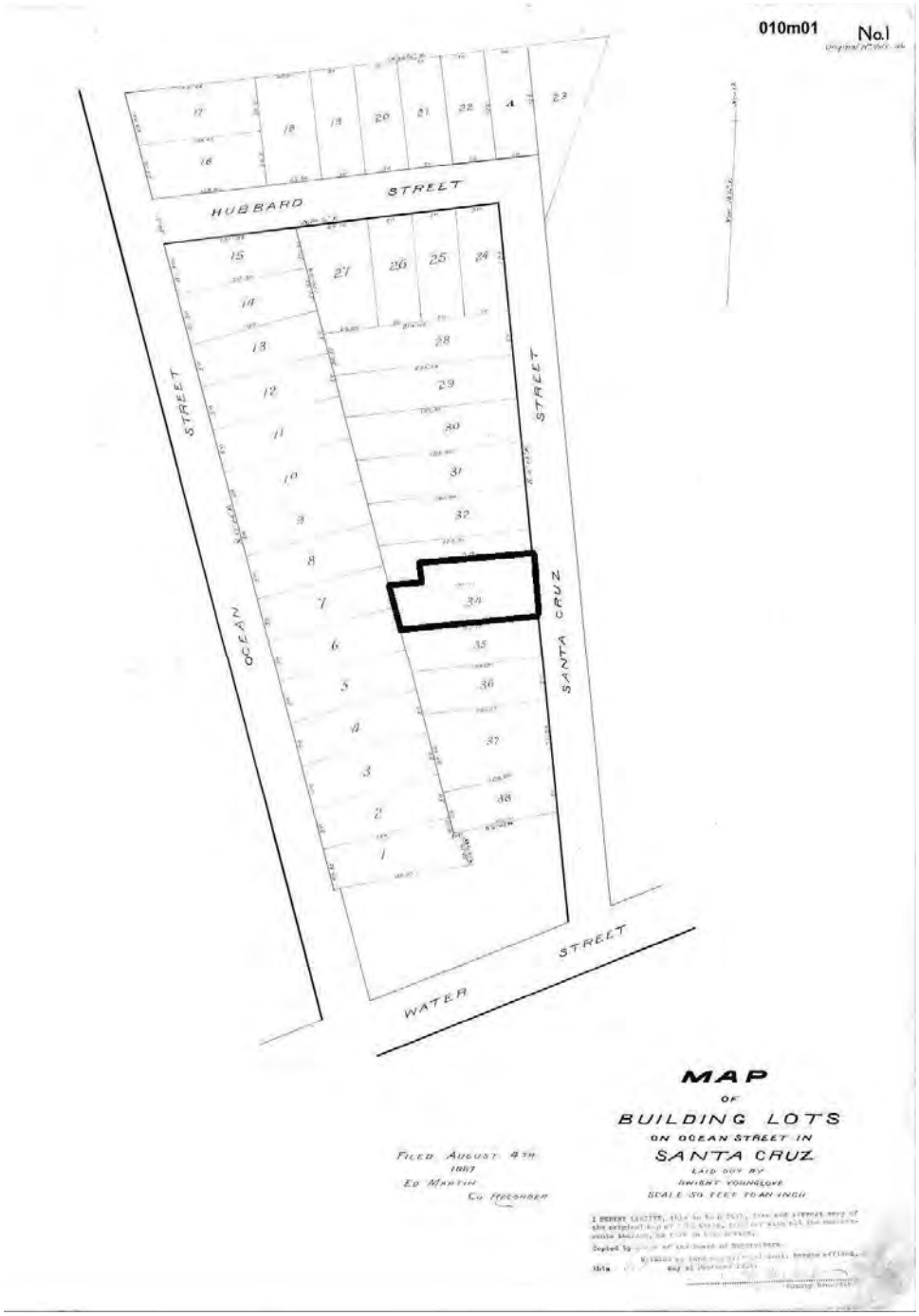


Photo 13: The Subject property as shown on the "Map of the Building Lots on Ocean Street in Santa Cruz, 1887" (Lot #34).

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary # _____
HRI # _____
Trinomial _____
NRHP Status Code _____
Other Listings _____
Review Code _____ **Reviewer** _____ **Date** _____

Page _1_ **of** 13 **Resource Name or #** ___423 May Avenue___

P1. Other Identifier: _____ _____

P2. Location: ____ **Not for Publication** _x__ **Unrestricted** ***a. County** __Santa Cruz__

and (P2b and P2c or P2d. Attach a Location Map as necessary.)

***b. USGS 7.5' Quad:** Santa Cruz,CA **Date:** 2012 **T** ; **R** ; **1/4 of** **1/4 of Sec** ; **BM**

c. Address: 423 May Avenue **City:** Santa Cruz **Zip:** 95060

d. UTM: 10S 5 87 098mE/40 93 169mN

e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate)

APN: 008 331 13

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

The primary structure at 423 May Avenue is a single story Ranch style residence in fair condition. Surfaced with gravel and tar paper, the roof is hipped and of shallow pitch. It has broad extending eaves and open, exposed rafters. A small front gabled wing extends on the northern side of the front façade, this wing appears to have been a garage later converted to living space. The exterior walls are surfaced with stucco, painted light gray with green trim. Fenestration primarily consists of aluminum framed windows in a sliding configuration.

***P3b. Resource Attributes:** HP02 (Single Family Res)

***P4. Resources Present:** x_Building __Structure __Object __District __Element of District __Site __Other

P5a. Photo or drawing (Photo required for buildings, structures, objects.)



P5b. Description of Photo: (View, date, accession #)
View of the front façade of 423 May Avenue

***P6. Date Constructed/Age and Sources**
Historic x Prehistoric Both
Constructed 1957 based on County of Santa Cruz Appraiser's records

***P7. Owner and Address:**
SE-Santa Cruz, LLC
1777 Saratoga Ave, Suite 210
San Jose, CA 95129

***P8. Recorded by:**
Robert Cartier
Archaeological Resource Management
496 North 5th Street
San Jose, CA 95112

***P9. Date Recorded:** 11/4/2019

***P10. Survey Type:** Intensive

***P11. Report Citation:** (Cite Survey Report and other sources, or enter "none.")
None

* Attachments: __None x_Location Map __Sketch Map x_Continuation Sheet x_Building, Structure, and Object Record __Archaeological Record __District Record __Linear Feature Record __Milling Station Record __Rock Art Record __Artifact Record __Photographic Record __Other (List):

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

Primary # _____
HRI # _____

BUILDING, STRUCTURE, AND OBJECT RECORD

***NRHP Status Code** 423 May Avenue

***Resource Name or #** (Assigned by recorder) _____

B1. Historic Name: 423 May Avenue

B2. Common Name: 423 May Avenue

B3. Original Use: Residential **B4. Present Use:** Residential (rental)

***B5. Architectural Style:** ranch

***B6. Construction History:** (Construction date, alterations, and date of alterations)

Based upon visual evaluation and available documentation, the primary structure at 423 May Avenue was constructed in 1957. Since its original construction minor modifications have been made to the structure such as reroofing.

***B7. Moved?** x **No** ___ **Yes** ___ **Unknown** **Date:** _____ **Original Location:** _____

***B8. Related Features:**

None.

B9a. Architect: unknown **b. Builder:** unknown

***B10. Significance: Theme** architecture and shelter **Area** Santa Cruz, CA

Period of Significance Post-War **Property Type** private residential **Applicable Criteria** N/A

The land on which the subject structure now stands consists of portions of Lots# 35 and 36, as shown on the "Map of Building Lots on Ocean Street in Santa Cruz, laid out by Dwight Younglove," filed August 4, 1887 (Vol. 5 of Maps, Page 46). Sanborn Fire Insurance Maps for the City of Santa Cruz show that the property was formerly the location of an earlier single family residence. The earliest occupant of the home was Nellie Tambellini, who is listed at this address from 1959 to 1964. During the late 1960's the home was occupied by Van Loon Bro's Electrical Business Systems. By 1969 the property was owned by T.J. and Shirley Scott and Norman and Diane Bei. On February 5, 1969 they granted a 1/3 interest in the property to Hugo Bruno Tottino (Book 1931 OR, Page 230). From 1968 to 1977 the home was occupied by Shirley Carr. Since that time it has been occupied by a number of short term tenants. On July 26, 2005 the property was transferred to Bei-Scott Co., LLC (Assessor's Doc#2005-0050952). The property was transferred again on October 6, 2017, to SE-Santa Cruz, LLC, who are the current owners (Assessor's Doc#2017-0033544).

See Continuation Sheet, Page 4

B11. Additional Resource Attributes: (List attributes and codes) N/A

***B12. References:**

See Continuation Sheet, Page 7

B13. Remarks:



***B14. Evaluator:** Robert R. Cartier

***Date of Evaluation:** 11/4/2019

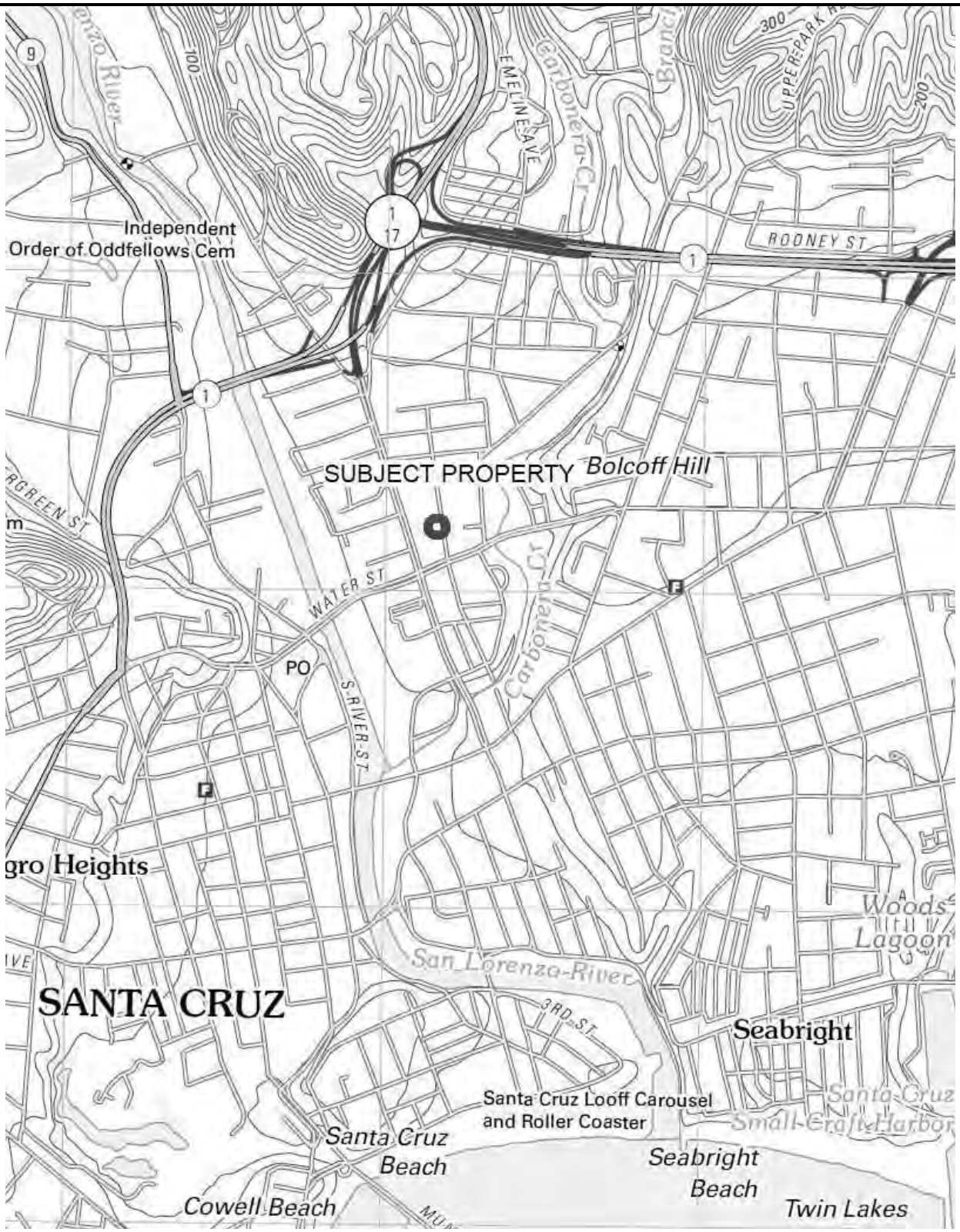
(This space reserved for official comments.)

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

LOCATION MAP

Primary # _____
HRI # _____
Trinomial _____

Page 3 **of** 13 **Resource Name or #** (Assigned by recorder) 423 May Avenue
***Map Name:** Santa Cruz, CA ***Scale:** 7.5 Minute ***Date of Map**: 2012



Continued from B10:

City of Santa Cruz Historic Preservation Ordinance

According to the City of Santa Cruz Historic Preservation Ordinance (Ordinance #2003-14). A property shall be determined eligible for inclusion in the City of Santa Cruz Historic Building Survey based upon the following Criteria:

The property is either a building, site, or object that is:

1. Recognized as a significant example of the cultural, natural, archaeological, or built heritage of the city, state, or nation; and/or

2. Associated with a significant local, state, or national event; and/or

3. Associated with a person or persons who significantly contributed to the development of the city, state, or nation; and/or

4. Associated with an architect, designer, or builder whose work has influenced the development of the city, state, or nation; and/or

5. Recognized as possessing special aesthetic merit or value as a building with quality of architecture and that retains sufficient features showing its architectural significance; and/or

6. Recognized as possessing distinctive stylistic characteristics or workmanship significant for the study of a period, method of construction, or use of native materials; and/or

7. Retains sufficient integrity to accurately convey its significance.

Or a district which is:

8. Recognized as a geographically definable area possessing a significant concentration of buildings that are well designed and other structures, sites, and objects which are united by past events or by a plan or physical development; or is

9. Recognized as an established and geographically definable neighborhood united by culture, architectural styles or physical development.

The structure at 423 May Avenue is not currently listed in the City of Santa Cruz Historic Building Survey. In addition, it does not appear eligible for listing in this register. The structure is not recognized as a significant example of the built heritage of the city, and thus does not appear eligible for listing under Criterion 1. It is not associated with significant historic events, and thus does not appear eligible for listing under Criterion 2. It is not associated with historically significant persons, thus it does not appear eligible for listing under Criterion 3. It is not known to be the work of an architect or builder of note, and thus does not appear eligible for listing under Criterion 4. It does not possess special aesthetic or architectural merit, and thus does not appear eligible under Criterion 5. Although it is an example of Ranch style architecture, it is not a notable example of this style and does not appear eligible for inclusion under Criterion 6. In addition, the structure has suffered some modifications, and is somewhat lacking in integrity. Thus it does not appear to be eligible for inclusion under Criterion 7. The structure is not a part of an historic district, and thus Criteria 8 and 9 do not apply.

California Register of Historic Resources Criteria

A cultural resource is considered "significant" if it qualifies as eligible for listing in the California Register of Historic Resources (CRHR). Properties that are eligible for listing in the CRHR must meet one or more of the following criteria:

1. Association with events that have made a significant contribution to the broad patterns of local or regional history or the cultural heritage of California or the United States;
2. Association with the lives of persons important to local, California, or national history;
3. Embodying the distinctive characteristics of a type, period, region, or method of construction, or representing the work of a master, or possessing high artistic values; or
4. Has yielded, or has the potential to yield, information important to the prehistory or history of the local area, California, or the nation.

A property may be automatically listed in the CRHR if it is formally determined eligible for the National Register of Historic Places. Properties that are formally determined eligible for the NRHP are those that are designated as such through one of the federal preservation programs administered by the California Office of Historic Preservation (i.e., the National Register, Tax Certification, and Section 106 review of federal undertakings).

The CRHR interprets the integrity of a cultural resource based upon its physical authenticity. An historic cultural resource must retain its historic character or appearance and thus be recognizable as an historic resource. Integrity is evaluated by examining the subject's location, design, setting, materials, workmanship, feeling, and association. If the subject has retained these qualities, it may be said to have integrity. It is possible that a cultural resource may not retain sufficient integrity to be listed in the National Register of Historic Places yet still be eligible for listing in the CRHR. If a cultural resource retains the potential to convey significant historical/scientific data, it may be said to retain sufficient integrity for potential listing in the CRHR.

The property at 423 May Avenue is not currently listed on the CRHR. In addition the structure does not appear to be eligible for inclusion in this register. The structure is not associated with significant events and thus it does not appear to be eligible for listing under Criterion 1. The structure is not associated with the lives of historically significant people, thus it does not appear to be eligible for inclusion under Criterion 2. The structure is an example of Ranch style architecture, however it is not a notable example, and suffers from significant modifications from its original form. Thus it does not appear to be eligible for listing under Criterion 3. The structure does not appear to have the potential to yield information important to history, and thus does not appear to be potentially eligible for listing under Criterion 4.

National Register Criteria

The National Register of Historic Places was first established in 1966, with major revisions in 1976. The register is set forth in 36 CFR 60 which establishes the responsibilities of the State Historic Preservation Officers (SHPO), standards for their staffs and review boards, and describes the statewide survey and planning process for historic preservation. Within this regulation guidelines are set forth concerning the National Register of Historic Places (36 CFR 60.6). In addition, further regulations are found in 36 CFR 63-66, 800, and Bulletin 15 which define procedures for determination of eligibility, identification of historic properties, recovery, reporting, and protection procedures. The National Register of Historic Places was established to recognize resources associated with the accomplishments of all peoples who have contributed to the country's history and heritage. Guidelines were designed for Federal and State agencies in nominating cultural resources to the National Register. These guidelines are based upon integrity and significance of the resource. Integrity applies to specific items such as location, design, setting, materials, workmanship, feeling, and association. Quality of significance in American history, architecture, archaeology, engineering and culture is present in resources that possess integrity of location, design, setting, materials, workmanship, feeling, and association, and meet at least one of the following criteria:

A. that are associated with events that have made a significant contribution to broad patterns of our history;
B. that are associated with the lives of persons significant in our past;
C. that embody distinctive characteristics of type, period, or method of construction, or that represent the work of master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction;
D. that have yielded, or are likely to yield, information important in prehistory or history.

Integrity is defined in Bulletin 15: How to Apply the National Register Criteria for Evaluation, (U.S. Department of the Interior, National Park Service 1982) as:

the authenticity of a property's historic identity, evidenced by the survival of physical characteristics that existed during the property's historic or prehistoric period. If a property retains the physical characteristics it possessed in the past then it has the capacity to convey association with historical patterns or persons, architectural or engineering design and technology, or information about a culture or peoples.

There are also seven aspects of integrity which are used. These aspects are:

1. location
2. design
3. setting
4. materials
5. Workmanship
6. Feeling
7. Association

The structure at 423 May Avenue is not currently listed on the National Register of Historic Places. In addition the structure does not appear to be eligible for inclusion in this register. The property is not associated with any known significant historical events, thus it does not appear to be eligible under Criterion A. The structure is not associated with historically significant persons, thus it does not appear to be eligible for inclusion in the NRHP under Criterion B. Although an example of Ranch style architecture, it is not a notable example of this style and does not appear to be eligible for inclusion under Criterion C. The structure does not appear likely to yield important historical information, thus it does not appear eligible for inclusion under Criterion D.

In addition, the structure is somewhat lacking in historic integrity, having multiple additions since its original construction.

Continued from B12:

Appraiser's Office, County of Santa Cruz
2019 Appraiser's records for 423 May Avenue.

Assessor's Office, County of Santa Cruz
2019 Record search of assessed value and associated taxes for 423 May Avenue.

Calloway, S. and E. Cromley
1996 *The Elements of Style: A Practical Encyclopedia of Interior Architectural Details from 1485 to the Present, Revised Edition.* Simon & Schuster, New York.

Hoover, M. et al
1966 Historic Spots in California. Stanford University Press, Stanford California.

McAlester, V. and L. McAlester
1997 *A Field Guide to American Houses*. Alfred A. Knopf, New York.

Recorder's Office, County of Santa Cruz
2019 Record search of recorded information for 423 May Avenue.

US Department of the Interior
1990 The Secretary of the Interior's Standards for Rehabilitation and Guidelines for Rehabilitating Historic Buildings

US Department of the Interior
1982 Bulletin 15 – "How to Apply the National Register Criteria for Evaluation."

Whiffen, M.
1992 *American Architecture since 1780, Revised Edition*. The MIT Press, Cambridge, MA.



Photo 1: View of the front façade of 423 May Avenue



Photo 2: View of the extending front gabled wing (converted garage).



Photo 3: Oblique view of the residence from the northeast.



Photo 4: View of the broad eaves with exposed rafters.



Photo 5: View of the northern façade of the residence.



Photo 6: View of the rear façade of the residence.

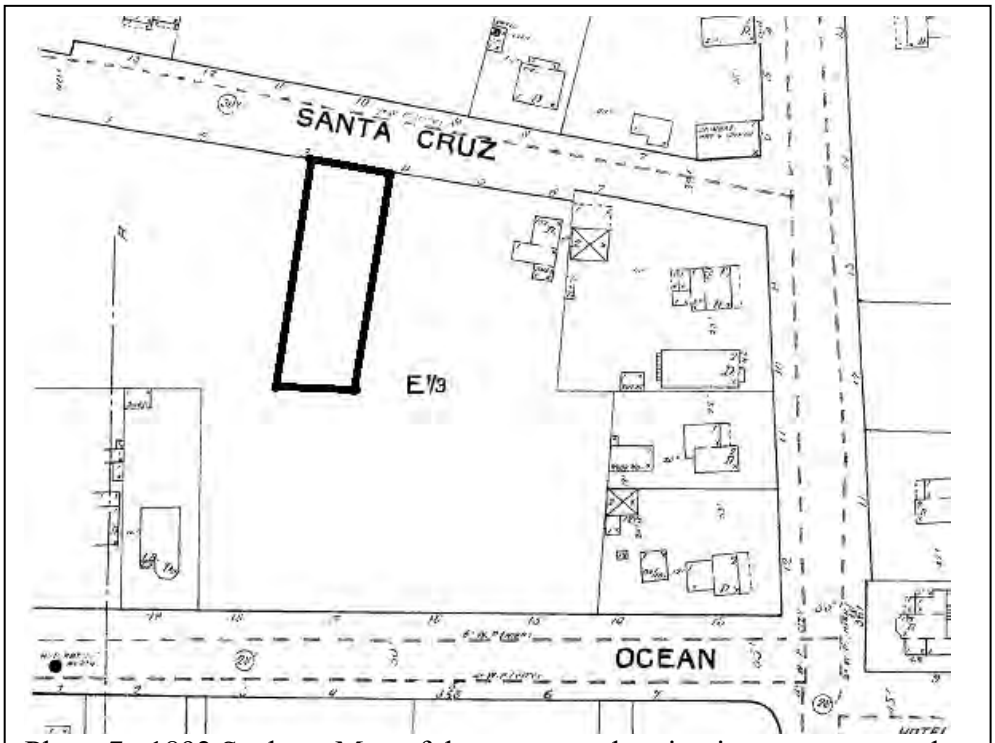


Photo 7: 1892 Sanborn Map of the property showing it was vacant at that time.

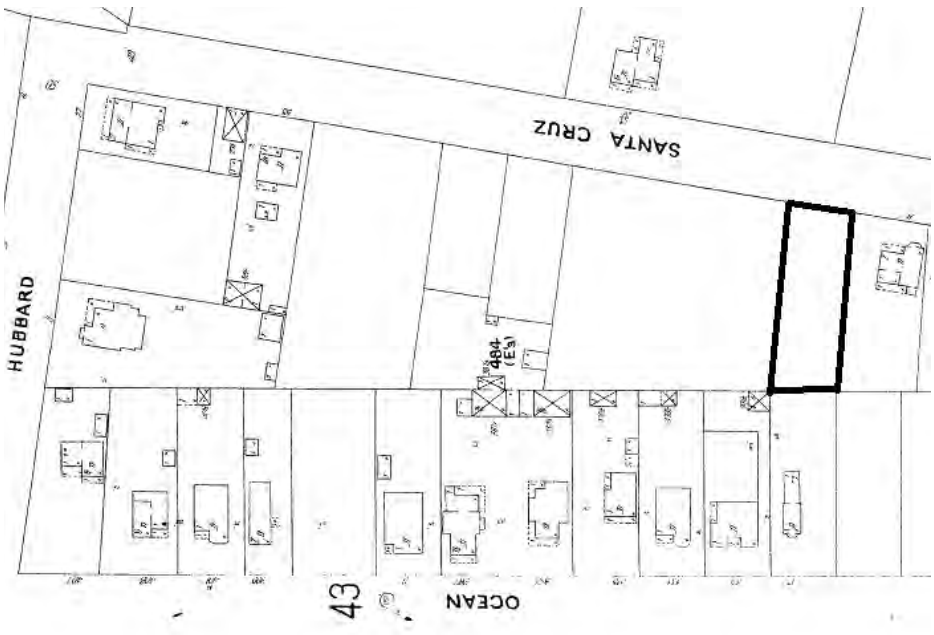


Photo 8: 1905 Sanborn Map of the property showing it was vacant at that time.

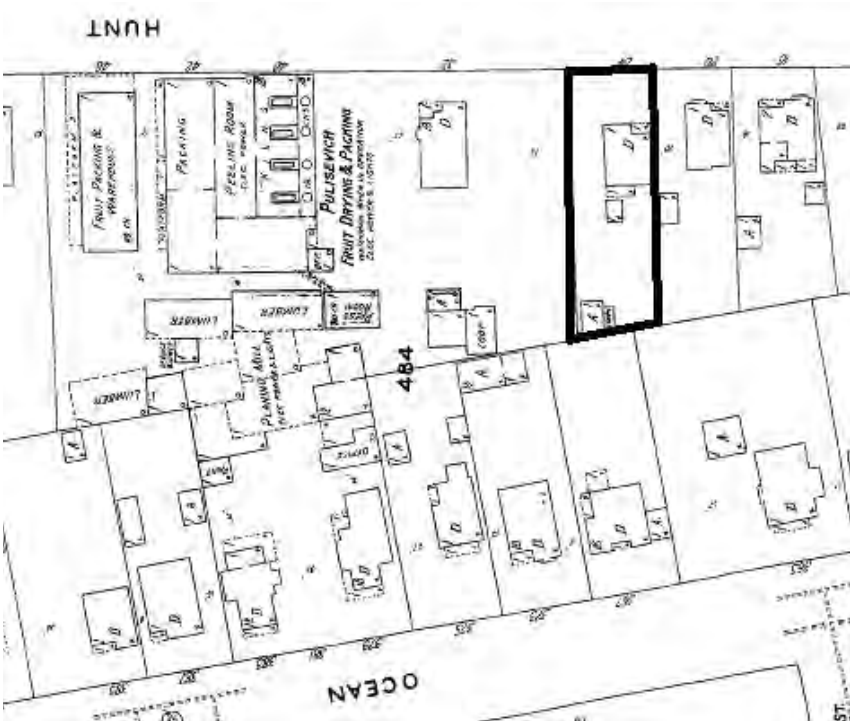


Photo 9: 1928 Sanborn Map of the property showing an earlier residence on the property.

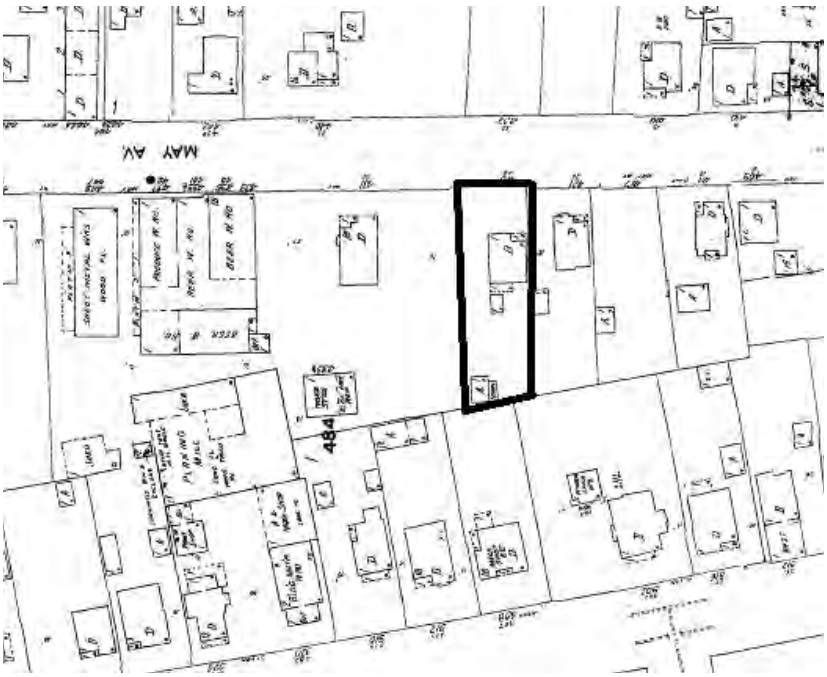


Photo 10: 1950 Sanborn Map of the property showing the earlier residence on the property.

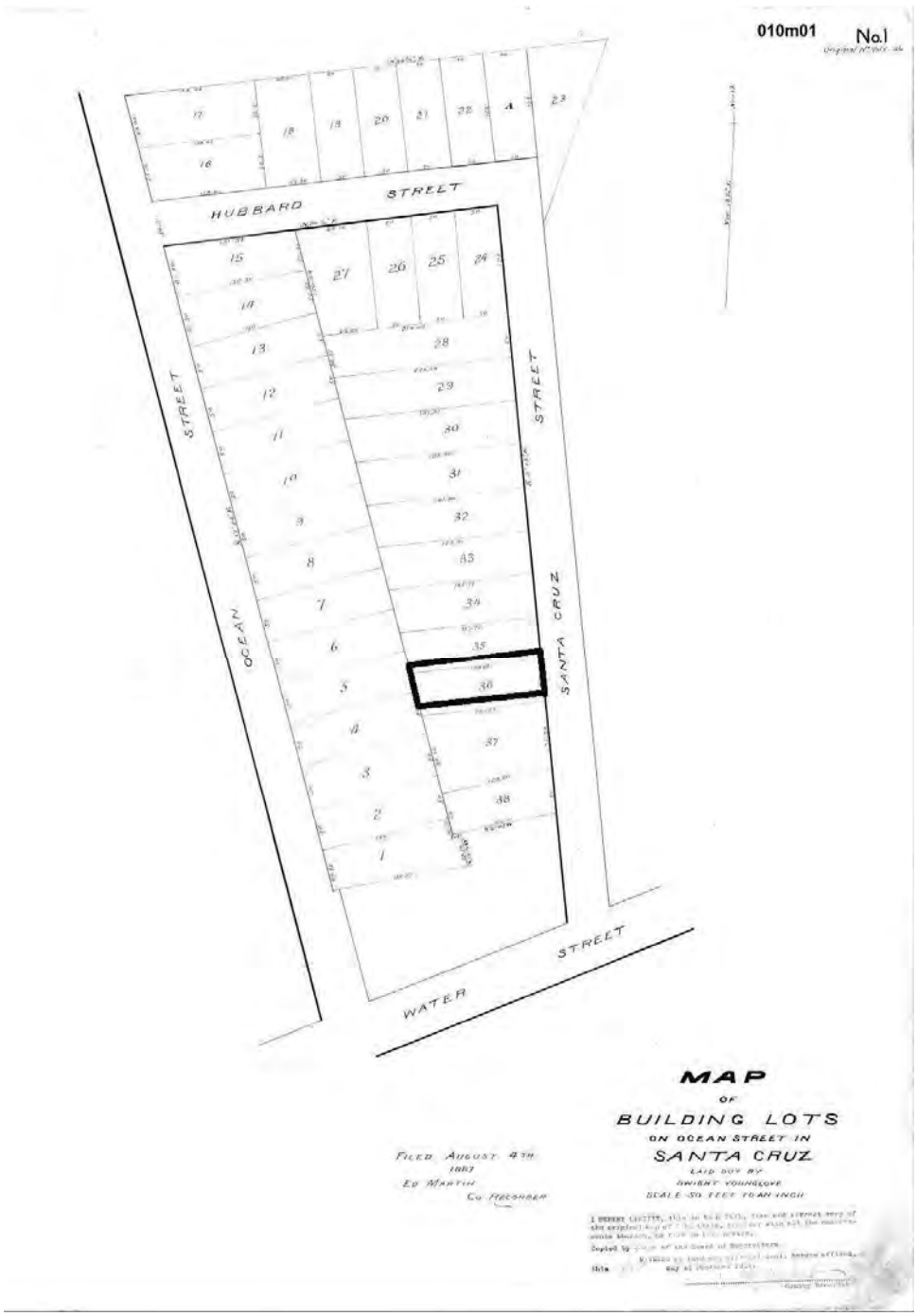


Photo 13: The Subject property as shown on the "Map of the Building Lots on Ocean Street in Santa Cruz, 1887" (Lot #34).

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary # _____
HRI # _____
Trinomial _____
NRHP Status Code _____
Other Listings _____
Review Code _____ **Reviewer** _____ **Date** _____

Page _1_ **of** 14 **Resource Name or #** ___Marianne's Ice Cream ___

P1. Other Identifier: _____1020 Ocean Street, The Grog Shop_____

P2. Location: ____ **Not for Publication** _x__ **Unrestricted** ***a. County** __Santa Cruz__
and (P2b and P2c or P2d. Attach a Location Map as necessary.)

***b. USGS 7.5' Quad:** Santa Cruz,CA **Date:** 2012 **T** ; **R** ; **1/4 of** **1/4 of Sec** ; **BM**

c. Address: 1020 Ocean Street **City:** Santa Cruz **Zip:** 95060

d. UTM: 10S 5 87 098mE/40 93 169mN

e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate)
APN: 008 331 40

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries.)
The Marianne's Ice Cream structure is a single story commercial building in good condition. The structure is L-shaped in form, and covered by a shed roof with a broad cantilevered overhang above the façade along Hubbard Street. The exterior walls of Marianne's are surfaced with vertical wooden siding in a board and batten configuration, with a lower area of brick. Fenestration consists of large, fixed plate glass windows with wooden casements. The structure features a prominent sign which extends from the roof at the western end of the building. This sign reads "Ice Cream by Marianne's." The Grog Shop portion of the building is of more recent construction (post 1950), and is of cinderblock construction. It features a ribbon of large plate glass windows separated by concrete pilasters. A free standing sign for this business is located at the corner of Ocean and Hubbard Streets, which reads "The Grog Shop Liquors."

***P3b. Resource Attributes:** HP06 (Commercial Building)

***P4. Resources Present:** x Building __Structure __Object __District __Element of District __Site __Other

P5a. Photo or drawing (Photo required for buildings, structures, objects.)



P5b. Description of Photo: (View, date, accession #)
View of Marianne's Ice Cream from the corner of Ocean Street and Hubbard Street.

***P6. Date Constructed/Age and Sources**
Historic x Prehistoric Both
Constructed circa 1947.

***P7. Owner and Address:**
Marianne's Ice Cream
1020 Ocean Street
Santa Cruz, CA 95060

***P8. Recorded by:**
Robert Cartier
Archaeological Resource Management
496 North 5th Street
San Jose, CA 95112

***P9. Date Recorded:** 11/4/2019

***P10. Survey Type:** Intensive

***P11. Report Citation:** (Cite Survey Report and other sources, or enter "none.")
None

* Attachments: __None x Location Map __Sketch Map x Continuation Sheet x Building, Structure, and Object Record
__Archaeological Record __District Record __Linear Feature Record __Milling Station Record __Rock Art Record

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

Primary # _____
HRI # _____

BUILDING, STRUCTURE, AND OBJECT RECORD

***NRHP Status Code** ___Marianne's Ice Cream__

***Resource Name or #** (Assigned by recorder) _____

B1. Historic Name: _____Marianne's Ice Cream _____

B2. Common Name: _____Marianne's Ice Cream _____

B3. Original Use: ____Commercial ____ **B4. Present Use:** ____Commercial_____

***B5. Architectural Style:** _____Vernacular_commercial_____

***B6. Construction History:** (Construction date, alterations, and date of alterations)

Based upon visual evaluation and available documentation, the primary structure at Marianne's Ice Cream was constructed Circa 1947. The structure can be seen on the 1950 Sanborn Map for the City of Santa Cruz. Post 1950 the Grog Shop wing of the structure was added. Aside from this addition it appears that only minor changes have been made to the structure since its construction.

***B7. Moved?** _x_ **No** ___ **Yes** ___ **Unknown** **Date:** _____ **Original Location:** _____

***B8. Related Features:**

None.

B9a. Architect: ____unknown_____ **b. Builder:** ____unknown_____

***B10. Significance: Theme** ____commerce _____ **Area** _____Santa Cruz, CA_____

Period of Significance ___Post-War___ **Property Type** __private commercial__ **Applicable Criteria** ___N/A_____

The land on which the subject structure now stands consists of Lot #15, as shown on the "Map of Building Lots on Ocean Street in Santa Cruz, laid out by Dwight Younglove," filed August 4, 1887 (Vol. 5 of Maps, Page 46). Based upon Sanborn maps, a residence was located on this property in 1892, and can also be seen on the 1905 Sanborn. A newer residence appears to have replaced this structure by 1928. Based on County of Santa Cruz Appraisers property data, the subject structure was originally constructed in 1949, and can be seen on the 1950 Sanborn Fire Insurance Map of the City of Santa Cruz. The business and the property have separate ownership histories, each of which are briefly described below.

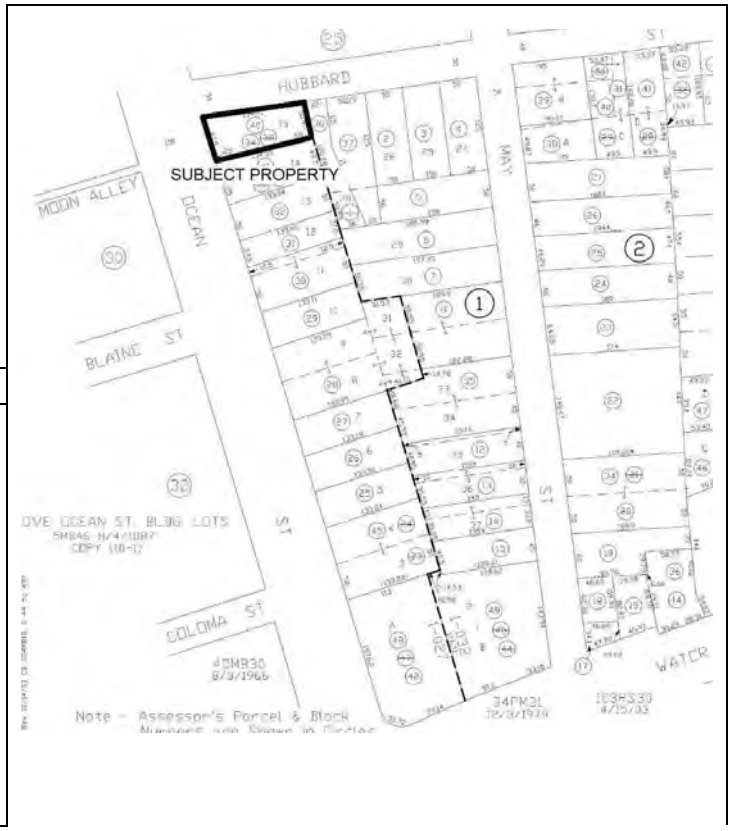
See Continuation Sheet, Page 4

B11. Additional Resource Attributes: (List attributes and codes) _____N/A_____

***B12. References:**

See Continuation Sheet, Page 7

B13. Remarks:



***B14. Evaluator:** ___Robert R. Cartier_____

***Date of Evaluation:** _____11/4/2019_____

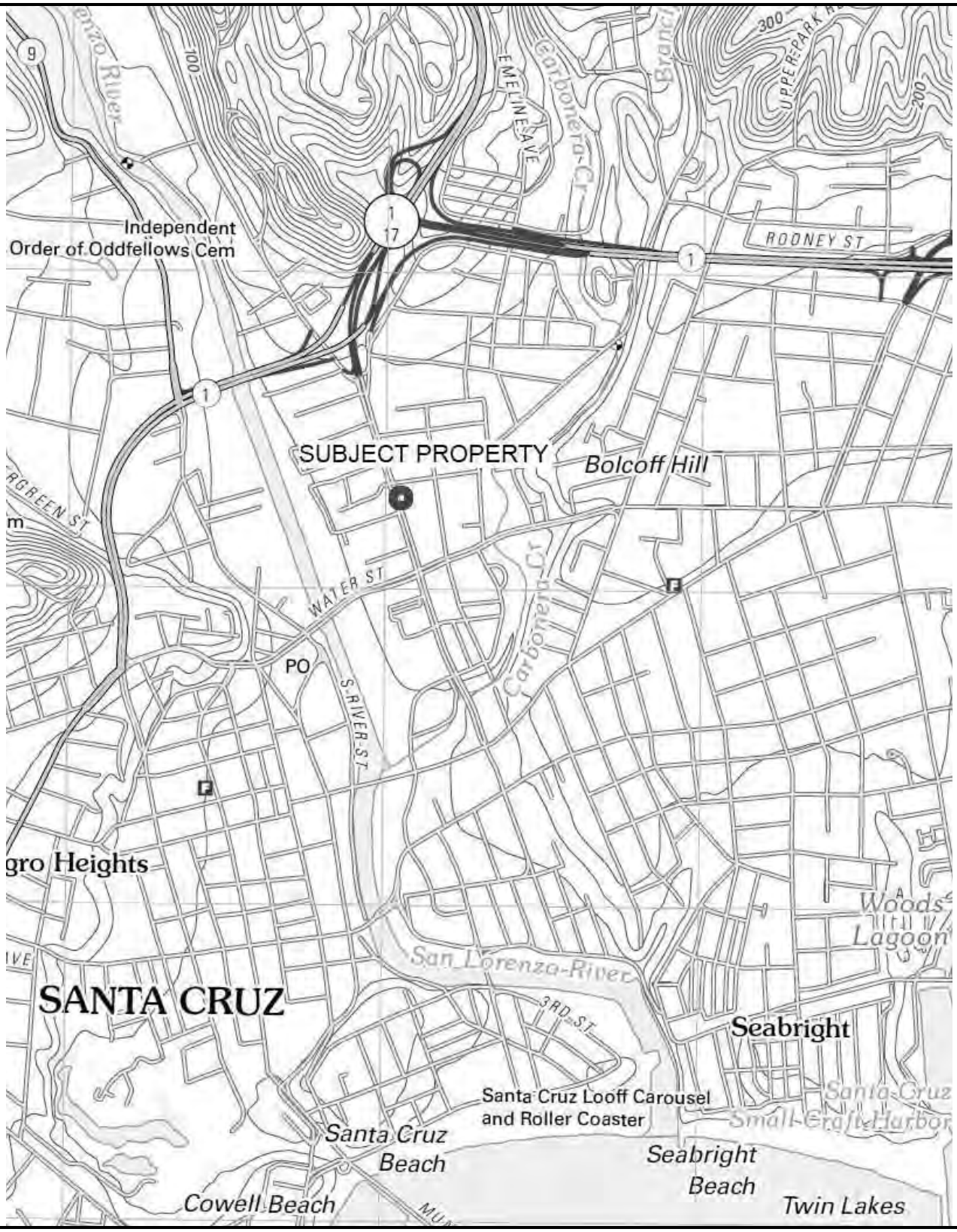
(This space reserved for official comments.)

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

LOCATION MAP

Primary # _____
HRI # _____
Trinomial _____

Page 3 **of** 14 **Resource Name or #** (Assigned by recorder) Marianne's Ice Cream
***Map Name:** Santa Cruz, CA ***Scale:** 7.5 Minute ***Date of Map**: 2012



Continued from B10:

According to the company website, Marianne's Ice Cream was founded in 1947 by Lenore and Tom Becker, who named the business after their daughters Mary and Anne. The first listing in City of Santa Cruz directories found for the business at this location (then 104 Hubbard Street) was in 1953. In 1958 the ice cream parlor was taken over by Sam and Dorothy Lieberman, who ran the business for over fifty years and greatly expanded the menu of ice cream flavors with many original recipes. In 2012 the business was sold to the current owners, Kelly Dillon and Charlie Wilcox. Marianne's operates out of the Ocean Street location as well as two satellite locations in Aptos and Capitola. Its ice cream is manufactured in a facility located near the corner of Swift Street and Delaware Avenue.

By 1946 (prior to construction of the subject structure) the property was owned by G. A. and Leona E. Bertolucci (Book 694 OR, Page 42). The Bertolucci's retained ownership of the land until February 4, 1959, when they sold it to Robert A. Kinzie. Jr. (Book 1230 OR, Page 290). The Kinzie family retains ownership of the property today, having transferred the property to Kinzie Ocean Properties, LLC on November 2, 2015 (Assessor's Doc#2015-44186). Thus the owners of Marianne's Ice Cream have never owned the property on which it is situated.

City of Santa Cruz Historic Preservation Ordinance

According to the City of Santa Cruz Historic Preservation Ordinance (Ordinance #2003-14). A property shall be determined eligible for inclusion in the City of Santa Cruz Historic Building Survey based upon the following Criteria:

The property is either a building, site, or object that is:

1. Recognized as a significant example of the cultural, natural, archaeological, or built heritage of the city, state, or nation; and/or
2. Associated with a significant local, state, or national event; and/or
3. Associated with a person or persons who significantly contributed to the development of the city, state, or nation; and/or
4. Associated with an architect, designer, or builder whose work has influenced the development of the city, state, or nation; and/or
5. Recognized as possessing special aesthetic merit or value as a building with quality of architecture and that retains sufficient features showing its architectural significance; and/or
6. Recognized as possessing distinctive stylistic characteristics or workmanship significant for the study of a period, method of construction, or use of native materials; and/or
7. Retains sufficient integrity to accurately convey its significance.

Or a district which is:

8. Recognized as a geographically definable area possessing a significant concentration of buildings that are well designed and other structures, sites, and objects which are united by past events or by a plan or physical development; or is
9. Recognized as an established and geographically definable neighborhood united by culture, architectural styles or physical development.

The structure at Marianne's Ice Cream is not currently listed in the City of Santa Cruz Historic Building Survey. However, it appears to be eligible for listing in this register under Criteria 1, 3, and 7 as described above. The structure is a well-known landmark within the City of Santa Cruz, and is closely associated with Sam Lieberman, who operated the business for over fifty years. Thus it appears eligible for inclusion under Criteria 1 and 3. Although the Grog Shop portion of the structure was an early addition, the façade retains much of its original character and feeling. Thus it appears to be eligible for inclusion under Criterion 7.

The structure is not associated with significant historic events, and thus does not appear eligible for listing under Criterion 2. It is not known to be the work of an architect or builder of note, and thus does not appear eligible for listing under Criterion 4. It does not possess special aesthetic merit of value in terms of architecture, and thus does not appear eligible for listing under Criterion 5. It is not recognized as possessing distinctive stylistic characteristics and thus does not appear eligible for listing under Criterion 6. The structure is not a part of an historic district, and thus Criteria 8 and 9 do not apply.

California Register of Historic Resources Criteria

A cultural resource is considered "significant" if it qualifies as eligible for listing in the California Register of Historic Resources (CRHR). Properties that are eligible for listing in the CRHR must meet one or more of the following criteria:

1. Association with events that have made a significant contribution to the broad patterns of local or regional history or the cultural heritage of California or the United States;
2. Association with the lives of persons important to local, California, or national history;
3. Embodying the distinctive characteristics of a type, period, region, or method of construction, or representing the work of a master, or possessing high artistic values; or
4. Has yielded, or has the potential to yield, information important to the prehistory or history of the local area, California, or the nation.

A property may be automatically listed in the CRHR if it is formally determined eligible for the National Register of Historic Places. Properties that are formally determined eligible for the NRHP are those that are designated as such through one of the federal preservation programs administered by the California Office of Historic Preservation (i.e., the National Register, Tax Certification, and Section 106 review of federal undertakings).

The CRHR interprets the integrity of a cultural resource based upon its physical authenticity. An historic cultural resource must retain its historic character or appearance and thus be recognizable as an historic resource. Integrity is evaluated by examining the subject's location, design, setting, materials, workmanship, feeling, and association. If the subject has retained these qualities, it may be said to have integrity. It is possible that a cultural resource may not retain sufficient integrity to be listed in the National Register of Historic Places yet still be eligible for listing in the CRHR. If a cultural resource retains the potential to convey significant historical/scientific data, it may be said to retain sufficient integrity for potential listing in the CRHR.

The property at Marianne's Ice Cream is not currently listed on the CRHR. In addition the structure does not appear to be eligible for inclusion in this register. The structure is not associated with significant events and thus it does not appear to be eligible for listing under Criterion 1. Although the structure is associated with Sam Lieberman, a figure of some local significance, this does not appear sufficient to be eligible for inclusion under Criterion 2. The structure is an example of late mid-20th Century vernacular commercial architecture, however it is not a notable example. Thus it does not appear to be eligible for listing under Criterion 3. The structure does not appear to have the potential to yield information important to history, and thus does not appear to be potentially eligible for listing under Criterion 4.

National Register Criteria

The National Register of Historic Places was first established in 1966, with major revisions in 1976. The register is set forth in 36 CFR 60 which establishes the responsibilities of the State Historic Preservation Officers (SHPO), standards for their staffs and review boards, and describes the statewide survey and planning process for historic preservation. Within this regulation guidelines are set forth concerning the National Register of Historic Places (36 CFR 60.6). In addition, further regulations are found in 36 CFR 63-66, 800, and Bulletin 15 which define procedures for determination of eligibility, identification of historic properties, recovery, reporting, and protection procedures. The National Register of Historic Places was established to recognize resources associated with the accomplishments of all peoples who have contributed to the country's history and heritage. Guidelines were designed for Federal and State agencies in nominating cultural resources to the National Register. These guidelines are based upon integrity and significance of the resource. Integrity applies to specific items such as location, design, setting, materials, workmanship, feeling, and association. Quality of significance in American history, architecture, archaeology, engineering and culture is present in resources that possess integrity of location, design, setting, materials, workmanship, feeling, and association, and meet at least one of the following criteria:

A. that are associated with events that have made a significant contribution to broad patterns of our history;
B. that are associated with the lives of persons significant in our past;
C. that embody distinctive characteristics of type, period, or method of construction, or that represent the work of master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction;
D. that have yielded, or are likely to yield, information important in prehistory or history.

Integrity is defined in Bulletin 15: How to Apply the National Register Criteria for Evaluation, (U.S. Department of the Interior, National Park Service 1982) as:

the authenticity of a property's historic identity, evidenced by the survival of physical characteristics that existed during the property's historic or prehistoric period. If a property retains the physical characteristics it possessed in the past then it has the capacity to convey association with historical patterns or persons, architectural or engineering design and technology, or information about a culture or peoples.

There are also seven aspects of integrity which are used. These aspects are:

1. location
2. design
3. setting
4. materials
5. Workmanship
6. Feeling
7. Association

The structure at Marianne's Ice Cream is not currently listed on the National Register of Historic Places. In addition the structure does not appear to be eligible for inclusion in this register. The property is not associated with any known significant historical events, thus it does not appear to be eligible under Criterion A. Although the structure is associated with Sam Lieberman, a figure of some local significance, this does not appear sufficient to be eligible for inclusion in the NRHP under Criterion B. Although an example of vernacular commercial architecture, it is not a notable example of this style and does not appear to be eligible for inclusion under Criterion C. The structure does not appear likely to yield important historical information, thus it does not appear eligible for inclusion under Criterion D.

In addition, the structure is somewhat lacking in historic integrity, having been added to since its original construction.

Continued from B12:

Appraiser's Office, County of Santa Cruz
2019 Appraiser's records for 1020 Ocean Street.

Assessor's Office, County of Santa Cruz
2019 Record search of assessed value and associated taxes for 1020 Ocean Street

Calloway, S. and E. Cromley
1996 *The Elements of Style: A Practical Encyclopedia of Interior Architectural Details from 1485 to the Present, Revised Edition.* Simon & Schuster, New York.

Hoover, M. et al
1966 Historic Spots in California. Stanford University Press, Stanford California.

Lamers, C.
2015 Couple Living Ice Cream Dream after Taking Over Popular Shop. Article in SF Gate 8/7/2015 https://www.sfgate.com/travel/article/Couple-living-ice-cream-dream-after-taking-over-6431342.php

Marianne's Ice Cream
2019 About us. https://mariannesicecream.com/about/

McAlester, V. and L. McAlester
1997 *A Field Guide to American Houses*. Alfred A. Knopf, New York.

Recorder's Office, County of Santa Cruz
2019 Record search of recorded information for 1020 Ocean Street.

US Department of the Interior
1990 The Secretary of the Interior's Standards for Rehabilitation and Guidelines for Rehabilitating Historic Buildings

US Department of the Interior
1982 Bulletin 15 – "How to Apply the National Register Criteria for Evaluation."

Whiffen, M.
1992 *American Architecture since 1780, Revised Edition*. The MIT Press, Cambridge, MA.

York, J. A.
2019 Marianne's of Santa Cruz to relocate ice cream manufacturing plant. Article in The Santa Cruz Sentinel, 1/15/2019. https://www.santacruzsentinel.com/2019/01/15/mariannes-of-santa-cruz-to-relocate-ice-cream-manufacturing-plant/



Photo 1: View of Marrianne's from the Corner of Ocean and Hubbard.



Photo 2: A closer view showing the main entrance.



Photo 3: View of the western façade from Ocean Street.



Photo 4: View along the original portion of the structure.



Photo 5: View of the western façade from Ocean Street.



Photo 6: Oblique view of the structure from the southwest.



Photo 7: View of the front portion of the southern façade.



Photo 8: View of the rear portion of the southern façade.



Photo 9: View of The Grog Shop addition.



Photo 10: View of the front entrance to The Grog Shop.

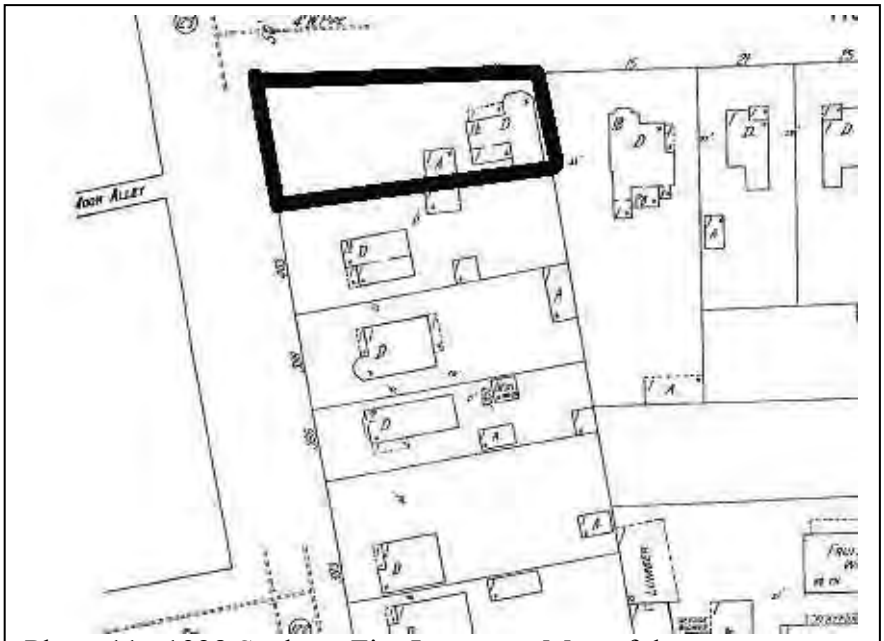


Photo 11: 1928 Sanborn Fire Insurance Map of the property showing a residence on the property at that time.

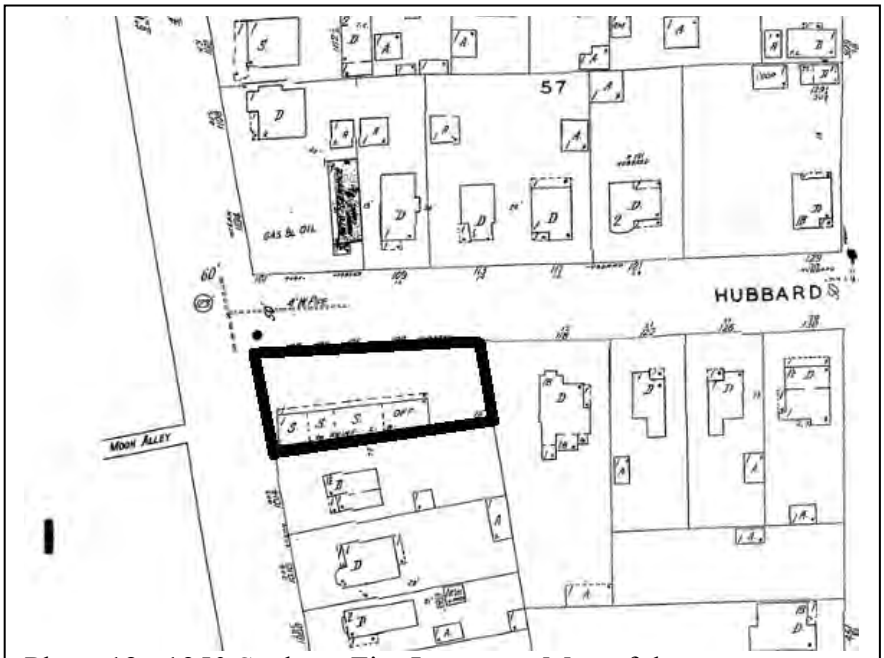


Photo 12: 1950 Sanborn Fire Insurance Map of the property showing the Subject structure. Note Grog Shop wing is not yet present.

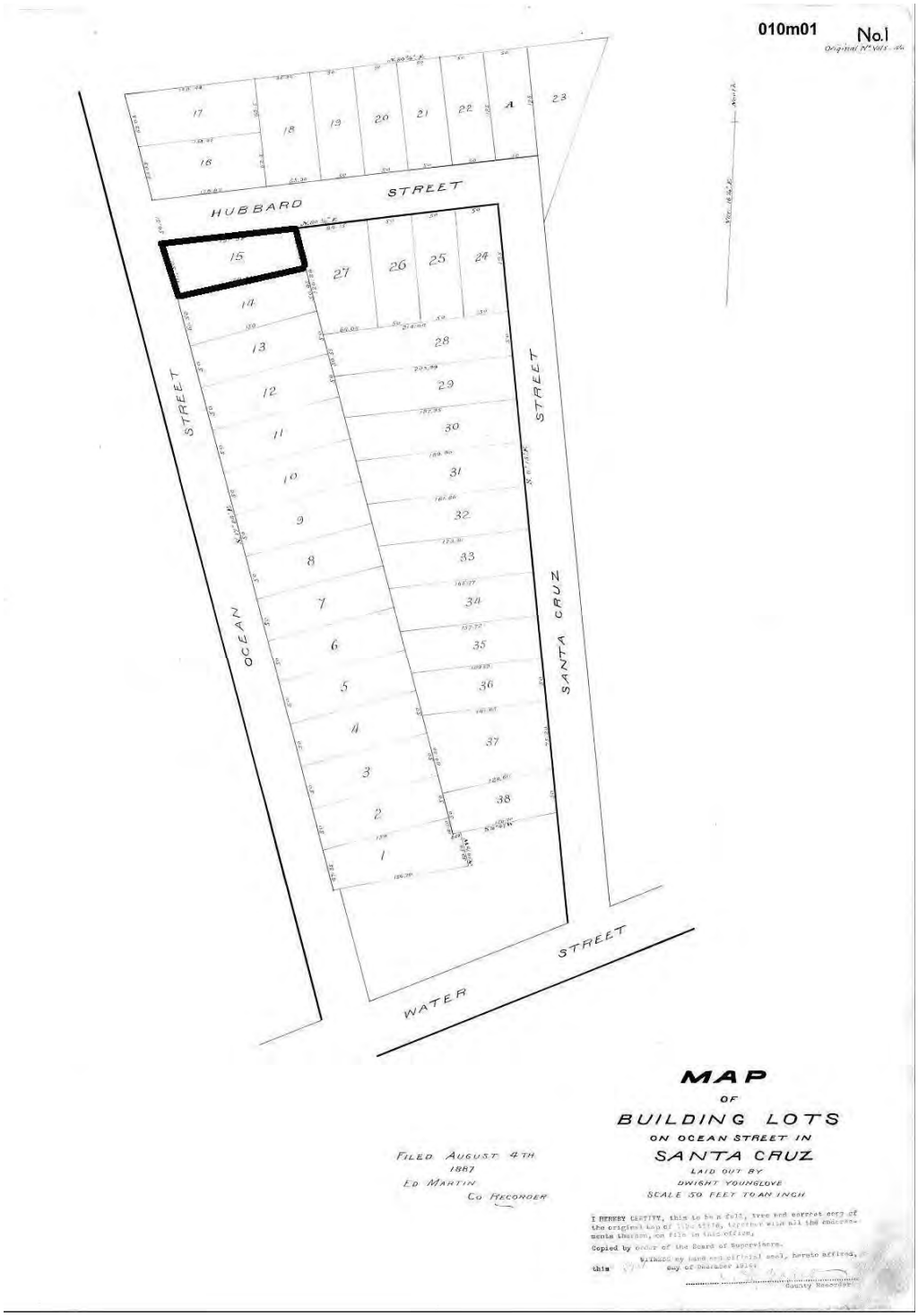


Photo 13: The Subject property as shown on the "Map of the Building Lots on Ocean Street in Santa Cruz, 1887" (Lot #15).

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code
Other Listings
Review Code Reviewer Date

***Resource Name or #:** (assigned by recorder) 902 Ocean St.

P1. Other Identifier:

***P2. Location:** ■ **Not for Publication** ☐ **Unrestricted** ***a. County:** Santa Cruz

and (P2b and P2c or P2d. Attach a Location Map as necessary.)

***b. USGS 7.5' Quad:** N/A **Date:** N/A **T** ; **R** ; **¼ of** **¼ of Sec** ; M.D. **B.M.**

c. Address: 902 Ocean St. City: Santa Cruz Zip: 95060

d. UTM: Zone: 10 ; mE/ mN (G.P.S.)

e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate) Elevation: A.P.N. 008-331-45

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

The site contains an altered commercial restaurant building (circa-1960) constructed in the Mid-century Modern style. The building has a double-pitched hipped roof, a continuous band of aluminum-framed windows and stucco building walls. A flat-roofed and attached dining area runs from the rear (east) elevation. See continuation sheet, page 3 for photographs (Figures 1-4).

***P3b. Resource Attributes:** (List attributes and codes) HP6

***P4. Resources Present:** ■Building ☐Structure ☐Object ☐Site ☐District ☐Element of District ☐Other (Isolates, etc.)

P5a. Photo or Drawing (Photo required for buildings, structures, and objects.)



P5b. Description of Photo: (View, date, accession #)
West Elevation, 2023

***P6. Date Constructed/Age and Sources:**
■Historic ☐Prehistoric ☐Both
Circa-1960

***P7. Owner and Address:**
Davis Richard Steven (Trustee) etal B. Wiseman
902 Ocean St.
Santa Cruz, CA 95060

***P8. Recorded by:** (Name, affiliation, and address)
Seth A. Bergstein, Principal
PAST Consultants, LLC
P.O. Box 721
Pacific Grove, CA 93950

***P9. Date Recorded:** 7/10/23

***P10. Survey Type:** (Describe)
Owner-requested

***P11. Report Citation:** None

***Attachments:** ☐NONE ☐Location Map ☐Sketch Map ■Continuation Sheet ■Building, Structure, and Object Record ☐Archaeological Record ☐District Record ☐Linear Feature Record ☐Milling Station Record ☐Rock Art Record ☐Artifact Record ☐Photograph Record ☐ Other (List):

BUILDING, STRUCTURE, AND OBJECT RECORD

***NRHP Status Code** 6Z

***Resource Name or #** (Assigned by recorder) 902 Ocean St.

B1. Historic Name:
B2. Common Name: None
B3. Original Use: Commercial
B4. Present Use: Commercial

***B5. Architectural Style:** Mid-century Modern

***B6. Construction History:** (Construction date, alterations, and date of alterations)
The building has undergone additions to its left side (north) elevation and the rear (east) elevation. The original aluminum-framed fenestration has been replaced. See the continuation sheet, page 3 for photographs of the alterations (Figures 1-4).

***B7. Moved?** ■No ☐Yes ☐Unknown **Date:** **Original Location:** Same

***B8. Related Features:** N/A

B9a. Architect: Unknown
b. Builder: Unknown

***B10. Significance: Theme:** Not Significant **Area:** Santa Cruz
Period of Significance: circa-1960 **Property Type:** Commercial Restaurant **Applicable Criteria:**
(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)

See continuation sheets, pages 4 – 8 for the historic significance statement, historic significance evaluation and historic integrity assessment.

B11. Additional Resource Attributes: (List attributes and codes)

***B12. References:**

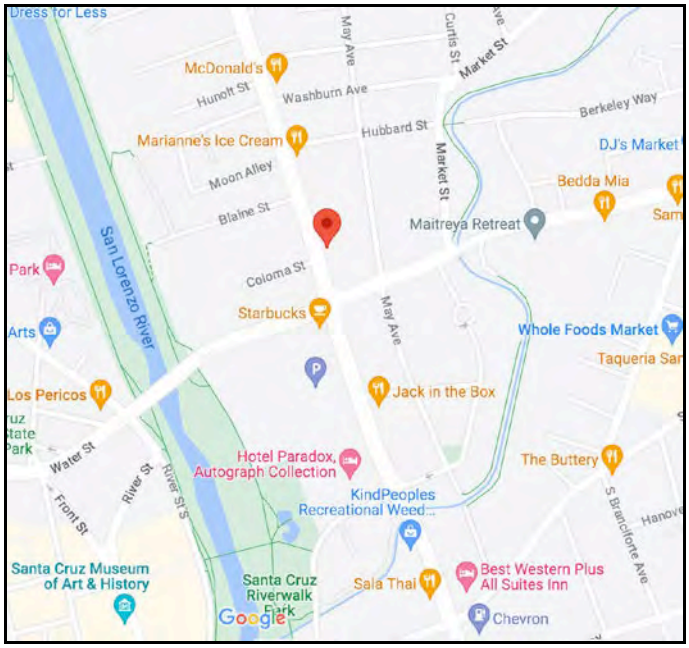
See continuation sheet, page 9

B13. Remarks::

***B14. Evaluator:** Seth A. Bergstein, Principal
PAST Consultants, LLC

***Date of Evaluation:** 7/10/23

(This space reserved for official comments.)



P3a. Description: Photographs



Figures 1 and 2. Left image shows the south elevation, and the attached dining area. The metal railing leading to the entrance (arrow) has been replaced. Right image shows the west elevation with the flat-roofed addition (arrow).



Figures 3 and 4. Left image shows the west elevation and the rear dining area. Right image shows the rear addition (arrow).

B10. Significance: Significance Statement

Summary Property History

The 1950 Sanborn map (**Figure 5**) shows the area's development in the vicinity of the subject property. By the late 1920s, the property area developed as a mixed commercial and residential area. Two substantial commercial enterprises were located in the area: a lumber and building materials operation located at 920 Ocean Street and a fruit processing operation on May Avenue. The surrounding residences were modest examples of late Victorian and early 20th-Century architectural styles.

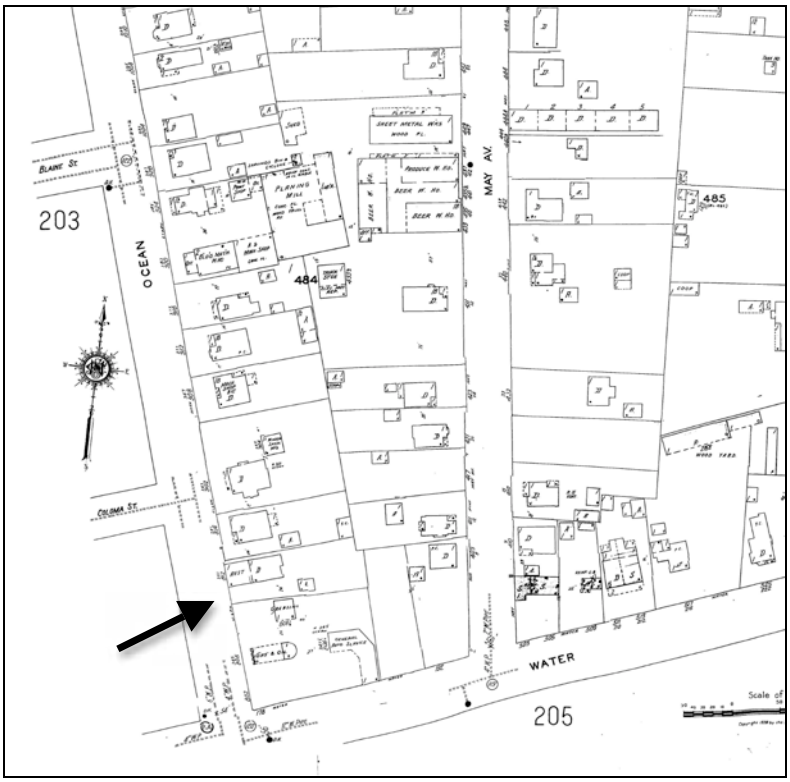


Figure 5. 1950 Sanborn map of project vicinity, showing the subject property with an arrow. The subject building replaced a former restaurant on the property.

Following World War II and the completion of State Highway One, the rise of automobile tourism transformed Ocean Street into a multi-lane arterial lined with restaurants and hotels serving tourists driving to the Santa Cruz Beach Boardwalk and beaches (Chase, John Leighton, *The Sidewalk Companion to Santa Cruz Architecture*, 3rd Addition, 28; O'Hare, Sheila and Irene Berry, *Images of America: Santa Cruz, California*, 2002, 48-49). The subject building was constructed in 1960 for A&W Root Beer, as a drive-in restaurant, typical of Mid-century Modern restaurants of the time period. The building has been owned by other restaurant chains since the subject building's construction in 1960. It is presently a Togos sandwich restaurant.

B10. Significance: Significance Statement

Summary Property History (continued)

Summary History of A&W Root Beer Restaurants

In 1919, Roy W. Allen opened his first Root Beer stand in Lodi, California. The evening was cause for celebration, as the city was holding a celebration for the returning World War I veterans. Seeing the success of the first location, Allen teamed with Lodi-resident Frank Wright. The pair was already thinking about the possibilities of franchising their idea and leased their first two locations to local residents. The fast food entrepreneurs coined the name of their franchise as A&W Root Beer in 1922. They developed more California franchise locations throughout the 1920s until the arrival of the Great Depression.

Following slow growth in the 1930s and the subsequent global conflict, the franchise boomed with the return of servicemen and servicewomen from World War II duty. As drive-through restaurants appeared on virtually every thoroughfare during the heyday of post-World War II roadside tourism, A&W grew its family of restaurants as well, booming to over 450 locations by 1950. In 1963, the fast-food restaurant chain boasted that they were the first to invent the combination of bacon and cheese on a hamburger. By this time, the company has expanded to international markets and was bottling and canning their famous Root Beer. In the 1970s, the oldest fast-food restaurant chain in the United States boasted more location than McDonalds. While the original ownership of the franchise has changed, the company boasted over 1,000 restaurants by 2017 (https://awrestaurants.com/blog/it-all-started-roadside-stand-roots-aw-restaurants. *Accessed 2023*).

Architectural Design of the Subject Building

With the development of roadside architecture following World War II, restaurant chains competed for the most stylistic restaurant designs aimed at capturing the eye of drivers as they quickly traversed the highway. The most famous roadside corridor – Route 66 – became a showcase of Mid-century Modern roadside architecture. Western cities, such as Los Angeles and Phoenix developed a variety of unique architectural designs, with soaring roof forms, large neon signs and expansive plate-glass windows looking out onto the street, creating what is called “Googie” architecture.

Restaurant franchise corporations created building designs that could be repeated at different locations. The A&W Root Beer chain created a number of differing architectural designs, several with soaring roof forms, dramatic structural expression and large electric signs that would attract motorists. The subject building is a modest architectural design that was repeated in numerous California towns such as Los Angeles, San Jose and Santa Cruz. As it exists today, with several building additions and a lack of original signage, the subject building’s architectural design is not particularly striking, as compared to other Mid-century Modern-styled restaurants.

*Recorded by: PAST Consultants, LLC *Date: 7/10/23 ■ Continuation ☐ Update

B10. Significance:

Evaluation of National Register (NR), California Register (CR) and Santa Cruz Historic Significance

1. NR-A, CR-1: Association with significant events, patterns or trends.

The subject property is not eligible under this Criterion, as no specific event led to its development. The subject property was constructed during a period of population growth and commercial expansion of the Ocean Street corridor following the post-World War II building boom and the subsequent rise of automobile tourism in Santa Cruz and throughout the United States. Postwar commercial growth itself would not be considered a significant event under this Criterion, as it can be applied to numerous cities throughout California and the United States. The subject property is not eligible under this Criterion.

2. NR-B, CR-2 : Association with significant persons.

The subject building was owned and operated by the A&W Restaurant franchise and not by a specific person who occupied and constructed the subject building. According to *National Register Bulletin 15: How to Apply the National Register Criteria for Evaluation* and *National Register Bulletin 32: Guidelines for Evaluating and Documenting Properties Associated with Significant Persons*, commercial buildings would need to be owned or operated by a person who contributed significance to historical events at the time of their most prominent professional success. With a commercial restaurant that changes managers and franchise owners continuously this is not possible to ascertain.

The subject property is not eligible under this Criterion.

B10. Significance:

Evaluation of National Register (NR), California Register (CR) and Santa Cruz Historic Significance (continued)

3. NR-C, CR-3: Association with significant architecture and/or design.

The subject building is a modest and altered example of a Mid-century Modern-style commercial restaurant. One of the numerous A&W standardized architectural designs, the building form and design is common in California and does not represent an outstanding example of Modernist or Googie design. In addition, the building has been altered with fenestration modifications and building additions to the north and east elevations. In its present condition, the commercial building on the subject property is not an outstanding example of architectural design or construction methodology. The building is not the work of a master architect, nor does it possess high artistic value. The subject property is not eligible under this Criterion.

Historic Integrity Analysis

1. **Location:** *the place where the historic property was constructed or the place where the historic event occurred*. The building maintains integrity of location.

2. **Design:** *the combination of elements that create the form, plan, space, structure, and style of a property*. The side and rear additions and fenestration modifications have compromised the integrity from the original design.

3. **Setting:** *the physical environment of a historic property*. Building demolitions in the surrounding area have compromised the integrity of setting around the subject property.

4. **Materials:** *the physical elements that were combined or deposited during a particular period of time and in a particular pattern or configuration to form a historic property.*
The building modifications have compromised the integrity of materials from their original design.

5. **Workmanship:** *the physical evidence of the crafts of a particular culture or people during any given period in history or prehistory*. Integrity of workmanship is diminished due to the alterations listed above.

6. **Feeling:** *a property's expression of the aesthetic or historic sense of a particular period of time*.
The building alterations have maintained the integrity of feeling of this modest Mid-century Modern-style commercial building.

7. **Association:** *the direct link between an important historic event or person and a historic property*.
This does not apply, as no historic association has been determined for the subject property.

B10. Significance:

Evaluation of National Register (NR), California Register (CR) and Santa Cruz Historic Significance (continued)

City of Santa Cruz Historic Significance

1. Recognized as a significant example of the cultural, natural, archaeological, or built heritage of the city, state, or nation;
The subject property contains an altered example of a modest Mid-century Modern-style commercial building and is not a significant example of the built heritage of Santa Cruz.

2. Associated with a significant local, state, or national event;
The subject property is not associated with a significant local, state, or national event.

3. Associated with a person or persons who significantly contributed to the development of the city, state, or nation;
The subject property is not associated with a significant person.

4. Associated with an architect, designer, or builder whose work has influenced the development of the city, state or nation;
The subject property is not associated with a significant architect, designer or builder.

5. Recognized as possessing special aesthetic merit or value as a building with quality of architecture that retains sufficient features showing its architectural significance;
The building alterations have removed any potential for special aesthetic merit or value. In addition, the original building was a standardized restaurant design that does not possess special architectural merit.

6. Recognized as possessing distinctive stylistic characteristics or workmanship significant for the study of a period, method of construction, or use of native materials; and/or
The altered and modest Mid-century Modern design of the subject building does not possess distinctive stylistic characteristics, design or workmanship.

7. Retains sufficient integrity to accurately convey its significance.
The subject commercial building has been altered and does not possess sufficient historic integrity.

B12. References:

Boland, Beth G. National Register Bulletin 32: *Guidelines for Evaluating and Documenting Properties Associated with Significant Persons*, National Park Service, U.S. Department of the Interior.

Chase, John Leighton, *The Sidewalk Companion to Santa Cruz Architecture*, 3rd Addition. Santa Cruz Museum of Art and History, 2005.

City of Santa Cruz, Planning and Building Department Records.

Lehman, Susan, *Fully Developed Context Statement for the City of Santa Cruz*, 2000.

National Register Bulletin 15: How to Apply the National Register Criteria for Evaluation. United States, Department of the Interior, National Park Service, 1998.

O'Hare, Sheila and Irene Berry, *Images of America Series, Santa Cruz, California.* Arcadia Publishing, 2002.

Polk's Santa Cruz City Directories: 1960-1973.

Santa Cruz County Assessor's Office.

Appendix E

Energy Calculations

Construction Fuel

On-Site Diesel[1]	$MTCO_2e$	Gallons of Fuel[4]	*2029 EMFAC #'s for Gas+Diesel* 2029 County Fuel	Percent Increase Countywide
Demolition	70	6,911		
Site Preparation/Grading	69	6,830		
Building Construction	546	53,824		
Paving	52	5,146		
Architectural Coating	5	522		
Total	743	73,233	10,932,968	0.6698%
Off-Site Diesel[1]				
Demolition	67	6,613		
Site Preparation/Grading	128	12,573		
Building Construction	332	32,736		
Paving	0	0		
Architectural Coating	0	0		
Total	527	51,923	**10,932,968**	0.4749%
Off-Site Gasoline[2]				
Demolition	2	250		
Site Preparation/Grading	2	251		
Building Construction	550	62,414		
Paving	5	619		
Architectural Coating	19	2,137		
Total	579	65,670	71,390,686	0.0920%
Total Diesel Fuel		**125,156**	10,932,968	1.1448%
Total Gasoline Fuel		**65,670**	71,390,686	**0.0920%**
Total Construction Fuel	1,849	**190,826**		

Construction Phase[3]	**Demolition**			**Site Preparation**			**Grading**		
	On-Site Diesel (Off-Road)	**Off-Site Diesel (Hauling/Vendor)**	**Off-Site Gas (Worker)**	**On-Site Diesel (Off-Road)**	**Off-Site Diesel (Hauling/Vendor)**	**Off-Site Gas (Worker)**	**On-Site Diesel (Off-Road)**	**Off-Site Diesel (Hauling/Vendor)**	**Off-Site Gas (Worker)**
2025	70	67	2	24	0	1	44	125	2
2026							1	3	0
Total	**70**	**67**	**2**	**24**	**0**	**1**	**45**	**128**	**2**
Construction Phase[3]	**Building Construction**			**Paving**			**Architectural Coating**		
	On-Site Diesel (Off-Road)	**Off-Site Diesel (Hauling/Vendor)**	**Off-Site Gas (Worker)**	**On-Site Diesel (Off-Road)**	**Off-Site Diesel (Hauling/Vendor)**	**Off-Site Gas (Worker)**	**On-Site Diesel (Off-Road)**	**Off-Site Diesel (Hauling/Vendor)**	**Off-Site Gas (Worker)**
2026	191	118	195	52	0	5			
2027	284	172	285				1	0	5
2028	71	42	70				4	0	14
Total	**546**	**332**	**550**	**52**	**0**	**5**	**5**	**0**	**19**

Notes:

[1] Fuel used for off-road, hauling, and vendor trips assumed to be diesel.

[2] Fuel used for worker trips assumed to be gasoline.

[3] $MTCO_2e$ rates from CalEEMod (3.0 Construction Emission Details).

[4] For CO2e emissions, see Chapter 13 (page 94); Conversion Ratios: Climate Registry, General Reporting Protocol, 2016.

Construction Water

Daily Soil Disturbance[1]	**49**	acres
Days of Soil Disturbance[2]	**44**	days
Water Concentration[3]	3,020	gallons/acre
Water Energy Intensity[4]	4,934	kWh/MG
Total Construction Water	**6.51**	million gallons
Construction Water Energy	**32,126**	kWh
	32.1259	MWh
Percentage Increase Countywide	0.002729%	

Notes:

[1] Total daily acres disturbed from offroad equipment per CalEEMod (5.6.1 Construction Earthmoving Activities) and maximum SCAQMD LST values for soil-disturbing equipment.

[2] Number of days of construction with soil-disturbing equipment per CalEEMod (5.1 Construction Schedule).

[3] Water application rate per Air and Waste Management Association's Air Pollution Engineering Manual.

[4] Water energy intensity factor for county subarea per CalEEMod User Guide, Appendix G, page G-32.

Electricity and Natural Gas

	Mitigated Project Annual Energy	County Annual Energy[3]	Percentage Increase
Electricity (kWh/yr)	1,868,793	**1,177,175,107**	**0.1588%**
Electricity (MWh/yr)	1,869	**1,177,175**	0.1588%
Electricity (GWh/yr)	**1.869**	**1,177.18**	**0.1588%**
Adjusted Electricity (GWh/yr)	**4.803**	**1,177**	**0.4080%**
Natural Gas (million therms)		**52**	
Natural Gas (kBTU/yr)	57,160	**18,632,301,800**	**0.0003%**
Natural Gas (therms)	572	186,323,018.00	0.0003%

Land Use	Electricity[1] (kWh/yr)		Natural Gas[2] (kBTU/yr)	
	Unmitigated	Mitigated	Unmitigated	Mitigated
Apartments Low Rise	345476	345476	0	0
Apartments Mid Rise	903321	903321	0	0
Strip Mall	79213	79213	57160	57160
Parking Lot	7358	7358	0	0
Enclosed Parking Structure	533426	533426	0	0
Other Non-Asphalt Surface	0	0	0	0
Total Energy	**1,868,793**	**1,868,793**	**57,160**	**57,160**

Notes:

[1] Electricity use per CalEEMod (5.11 Energy by Land Use).

[2] Natural Gas use per CalEEMod (5.11 Natural Gas by Land Use).

[3] County total energy values from California Energy Commission energy reports available through ecdms.energy.ca.gov.

UNMITIGATED							
Vehicle Type	**Percent**	**Annual VMT[1]**	**MPG[2]**	**Annual Fuel (Gallons)**	**Fuel Type**	**Santa Cruz County Gallons[3]**	**RS Percent**
Passenger Cars	0.932	3,474,001	21.6	160,833	Gas	71,390,686	0.2253%
Light/Medium Trucks	0.063	233,208	17.2	13,559	Diesel	10,932,968	0.1240%
Heavy Trucks/Other	0.005	18,892	6.1	3,097	Diesel	10,932,968	0.0283%
Total	1.00	3,726,100		16,656			0.1523%

Land Use[5]	**LDA**	**LDT1**	**LDT2**	**MCY**	**MDV**	**LHD1**	**LHD2**	**MHD**	**OBUS**	**UBUS**	**SBUS**	**MH**	**HHD**
Mixed-Use Development	45.484	5.3479	24.2844	3.2401	14.8778	3.3437	0.7400	1.4543	0.0967	0.0703	0.1316	0.4221	0.5070

Notes:

[1] Total annual operational VMT based on annual VMT from CalEEMod (5.9 Operational Mobile Sources).

[2] Average fuel economy derived from Department of Transportation.

[3] Total annual county fuel per EMFAC 2021 model of projected operational fuel usage.

Operational Water

Mitigated Indoor	136	million gallons
Indoor Energy Intensity Factor[1]	4,737	kWh/MG
Mitigated Outdoor	3	million gallons
Outdoor Energy Intensity Factor[2]	3,218	kWh/MG
Operational Water Energy	**653409.8618**	kWh
Operational Water Energy	653.4098618	MWh
Operational Water Energy	**0.653409862**	GWh
Percentage Countywide	0.0555%	
Total water use	**139**	million gallons

No Mitigation

Land Use[3]	**Unmitigated (MG)**		**Mitigated (MG)**	
	Indoor	**Outdoor**	**Indoor**	**Outdoor**
Apartments Low Rise	3411182.325	0	3411182.325	0
Apartments Mid Rise	9471826.65	297152.3859	9471826.65	297152.386
Strip Mall	708874.0306	0	708874.0306	0
Parking Lot	0	0	0	0
Enclosed Parking Structure	0	0	0	0
Other Non-Asphalt Surface	0	0	0	0
Total Operational Water	**136**	**3**	**136**	**3**

Notes:

[1] Indoor water energy intensity factor for county subarea per CalEEMod User Guide, Appendix G, page G-32. Factor includes supply, treatment, distribution, and wastewater.

[2] Outdoor water energy intensity factor for county subarea per CalEEMod User Guide, Appendix G, page G-32. Factor includes supply, treatment, and distribution.

[3] Operational water use values per CalEEMod (5.12 Operational Water and Wastewater Consumption).

Appendix F

Cumulative Project List

BUILDING PERMITS FINALED in 2024 As of April 30, 2024

Address	Bldg Permit Finaled Date	Status	Neighborhood	Net Dwellings	Net Commercial	Net Industrial	Net Office	Net Hotel Rooms
120 Beach	2/7/2024	Finaled	Beach	0	450	0	0	
200 Panetta	2/7/2024	Finaled	Westside Industrial	0	0	8870	0	
515 Fair	1/16/2024	Finaled	Lower Westside	2	0	0	0	
TOTAL				2	450	8,870		

UNDER CONSTRUCTION As of April 30, 2024

Address	Bldg Permit Finaled Date	Status	Neighborhood	Net Dwellings	Net Commercial	Net Industrial	Net Office	Net Hotel Rooms
111 Errett		Constuction	Lower Westside	16	-33360	0	0	
100 Laurel		Constuction	Downtown	205	-23344	0	0	
109 S Rapetta		Constuction	Upper Eastside	1	0	0	0	
112 California St		Constuction	Lower Westside	0	0	7500	0	
131 Bixby		Constuction	Lower Eastside	2	0	0	0	
175 Westview		Constuction	Upper Westside	3	0	0	0	
215 Beach		Constuction	Beach	-44	0	0	0	165
218 Seabright		Constuction	Lower Eastside	1	0	0	0	
314 Jessie		Constuction	Lower Eastside	36	0	0	0	
415 Natural Bridges		Constuction	Westside Industrial	20	0	0	0	
508 Front		Constuction	River/Front	175	-9096	0	0	
532 Center		Constuction	Downtown	65	2210	0	0	
724 Darwin		Constuction	Lower Eastside	3	0	0	0	
727 Hanover		Constuction	Lower Eastside	11	0	0	0	
769 N Branciforte		Constuction	Lower Eastside	2	0	0	0	
818 Pacific		Constuction	Downtown	70	9165	0	0	
1514 Seabright	Not finaled	Finaled	Lower Eastside	1	0	0	590	
530 S Branciforte	534 not finaled	Finaled	Lower Eastside	3	-3180	0	0	
716 Seabright	1 unit not finalled	Finaled	Lower Eastside	11	0	0	0	
TOTAL				569	-57,605	7,500	590	165

APPROVED As of April 30, 2024

Address	Bldg Permit Finaled Date	Status	Neighborhood	Net Dwellings	Net Commercial	Net Industrial	Net Office	Net Hotel Rooms
1205 East Cliff		Approved	Lower West Side	0	0	0	0	
324 Front		Approved	River/Front	0	-9999	0	0	232
902 Pacific, 920 Pacific		Approved	Downtown	127	9998	0	8717	
1016 West Cliff		Approved	Lower Westside	0	0	0	0	
1020 River		Approved	Harvey West	0	5360	0	0	
1129 Soquel		Approved	Soquel Ave	2	1746	0	0	
1133 East Cliff		Approved	Lower Eastside	3	0	0	0	
118 Marine Parade		Approved	lower east side	2	0	0	0	
119 Coral		Approved	Harvey West	115	0	0	0	
119 Lincoln		Approved	Downtown	124	6459	0	0	
122 Benito		Approved	Soquel Ave	2	1708	0	0	
126 Eucalyptus		Approved	Lower Westside	13	-28417	0	0	
130 Center		Approved	Downtown	233	-10541	0	0	
135 Vista Branciforte		Approved	Upper Eastside	1	0	0	0	
136 River Street		Approved	River/Front	51	-3810	0	0	
140 Fairland		Approved	Upper Eastside	2	0	0	0	
1459 High		Approved	Upper Westside	2	0	0	0	
150 Felker		Approved	Upper Eastside	35	-5610	0	-5577	
1800 Soquel		Approved	Soquel Ave	84	-7743	0	0	
1811 Mission St		Approved	Mission St	25	797	0	0	
190 West Cliff		Approved	Beach	89	16188	0	0	
1930 Ocean Street Ext		Approved	Upper Eastside	32	0	0	0	
200 Pioneer		Approved	Harvey West	0	0	22015	0	
247 High		Approved	Upper Westside	6	0	0	0	
333 Front		Approved	Downtown	0	-39635	0	0	
350 Encinal		Approved	Harvey West	0	8045	0	0	
409 Linden		Approved	Upper Eastside	1	0	0	0	
415 Linden		Approved	Upper Eastside	1	0	0	0	
446 La Fonda		Approved	Upper Eastside	1	0	0	0	
501 Cedar		Approved	Downtown	2	0	0	-2085	
501 Golf Club		Approved	Upper Eastside	0	5370	0	0	
515 Cedar		Approved	Downtown	0	971	0	0	
515 Soquel		Approved	Water St	42	1510	0	-3303	
600 Encinal		Approved	Harvey West	2	0	0	0	
601 Swift		Approved	Westside Industrial	0	576	0	0	
726 San Juan		Approved	Upper Eastside	2	0	0	0	
831 Water St		Approved	Water	140	-3657	0	0	
900 High		Approved	Upper Westside	40	0	0	0	
903 Cedar		Approved	Downtown	3	0	0	-1883	
912 Western		Approved	Upper Westside	3	0	0	0	

915 Water	Approved	Water	104	-7414	0	0	
118 Ortalon	Approved	Upper Westside	3	0	0	0	
300 Ingalls Alley	Approved	Westside Industrial	161	7719	0	0	
325 Washington	Approved	Lower Westside	0	200	0	0	
530 Front	Approved	River/Front	276	-7040	0	0	
624 Isbel	Approved	Upper Eastside	3	0	0	0	
877 Cedar	Approved	Downtown	0	468	0	0	
501 Upper Park	Approved	Upper Eastside	0	5500	0	0	
TOTAL			1,732	-51,251	22,015	-4,131	232

PENDING APPLICATIONS As of April 30, 2024

Address	Bldg Permit Finaled Date	Status	Neighborhood	Net Dwellings	Net Commercial	Net Industrial	Net Office	Net Hotel Rooms
101 Felix		Applied	Lower Westside	100	0	0	0	
1130 Mission		Applied	Mission St	59	677	0	0	
1206 Fair		Applied	Westside Industrial	0	0	520	0	
1206 Fair		Applied	Westside Industrial	0	0	2560	0	
1311 Bay Street		Applied	Misison St	2	0	0	0	
1315 Bay Street		Applied	Mission St	2	0	0	0	
135 Gharkey		Applied	Lower Westside	1	0	0	0	
137 Pryce		Applied	Upper Eastside	3	0	0	0	
162 Hagemann		Applied	Lower Eastside	6	0	0	0	
2035 N Pacific		Applied	Downtown	26	0	0	81	
352 Market		Applied	Upper Eastside	4	0	0	0	
417 Cedar		Applied	Downtown	0	351	0	0	
511 Logan		Applied	lower east side	1	0	0	0	
615 Hanover		Applied	Lower Eastside	0	0	0	0	
803 Broadway		Applied	lower east side	0	0	0	0	
850 Almar		Applied	Lower Westside	42	0	0	0	
902 Third		Applied	Beach	32	0	0	0	
908 Ocean		Applied	Ocean St	389	-18061	0	0	
915 Water		Applied	Water St	0	10089	0	0	
TOTAL				667	6,944	3,080	81	

831 Almar Avenue (CP24-0012)



Welcome

Welcome to the City of Santa Cruz project page for 831 Almar Avenue. Here you will find information about this project including the projects description, plan set, and future meetings relating to this project. You can also contact the City Project Planner by using the Question or Comments section below.

Project Description

- Project Size: Significant Development Project
- City of Santa Cruz Project Number: CP24-0012 (SB330 Preapplication)
- Addresses: 831 Almar Avenue
- Project Status: Visit Etrakit for Most Current Status and the Assigned Planner

SB 330 Preapplication for a mixed-use development consisting of approximately 222,000 square foot, six story mixed use building with resident amenities, parking, and approximately 4,000 square feet of commercial/industrial space at the ground floor, 120 apartment units on upper floors, and a standalone approximately 5,000 square foot commercial/industrial building on a 1.9-acre site in the IG-Per 2,/CZ-O (General Industrial, Performance Overlay/Coastal Zone Overlay).

530, 542, and 548 Ocean Street (CP24-0036)



Welcome

Welcome to the City of Santa Cruz project page for 530, 542, and 548 Ocean Street. Here you will find information about this project including the projects description, plan set, and future meetings relating to this project. You can also contact the City Project Planner by using the Question or Comment section below.

Project Description

- **Project Size:** Significant Development Project
- **City of Santa Cruz Project Number:** CP24-0036 (SB330 Preapplication)
- **Addresses:** 530, 542, and 548 Ocean Street
- **Project Status:** Visit Etrakit for Most Current Status and the Assigned Planner

SB330 Preapplication to construct demolish the existing buildings onsite, combine the three lots into one lot, and construct a six-story mixed-use building with 3,000 square feet of commercial tenant space and tuck-under parking at the first level and 199 apartments on the upper levels on a 0.80-acre site in the C-C/FP-O (Community Commercial/Floodplain Overlay) zone district and within the Ocean Street Area Plan.

313 Swift Street





Welcome

Welcome to the City of Santa Cruz project page for 313 Swift Street. Here you will find information about this project including the projects description, plan set, and future meetings relating to this project. You can also contact the City Project Planner by using the Question or Comment section below.

Project Description

- Project Size: Significant Development Project
- City of Santa Cruz Project Number: CP24-0073
- Addresses: 313 Swift Street
- Project Status: Visit Etrakit for Most Current Status and the Assigned Planner

On March 4, 2024, the Planning Department received a Preapplication, submitted by applicant Bogard Construction (with EHDD and Studio VARA) on behalf of Santa Cruz City Schools, for a proposed four-story, multifamily educator workforce housing project including approximately 80 residential units at 313 Swift Street. The proposal is intended to provide affordable housing for teachers and classified employees of the school district and would comprise a total of 80 residential apartments, including 12 three-bedroom; 35 two-bedroom, 23 one-bedroom, and 10 studio apartment units, along with 127 parking spaces and approximately 21,000 square feet of outdoor usable area on the subject site, which is owned by Santa Cruz City Schools. The existing buildings, parking lot, and landscaping on the easterly side of the property and fronting Swift Street are proposed to be retained.

The application has been submitted as a Preapplication, which provides the applicant with the opportunity to receive early feedback regarding projects submitted for preliminary review. The applicant has expressed the intent to pursue the project invoking Assembly Bill (AB) 2295 and requesting granting of waivers and/or incentives/concessions related to height, among, potentially other development standards. It is anticipated that the applicant will pursue a request for Alternative Compliance pursuant to City of Santa Cruz Municipal Code Section 24.16.030(10) for provision of affordable housing.

A community meeting will be held pursuant to the City's Public Outreach Policy for Planning Projects to present the project to the community and obtain early feedback. Timothy Maier is the planner reviewing the Preapplication.

Project Plans & Information

- Project Description
- Project Plans - 80-Unit Concept
- Presentation - 100-Unit Proposal