Appendix A

Notice of Preparation and Comment Matrix

County of El Dorado

Notice of Preparation of a Draft Environmental Impact Report

and Notice of Public Scoping Meeting for the

Lime Rock Valley Specific Plan

Date: February 20, 2013

To: Interested Parties

From: Rommel (Mel) Pabalinas, Senior Planner, County of El Dorado

Subject: Notice of Preparation of a Draft Environmental Impact Report and Notice of Public Scoping Meeting for the Lime Rock Valley Specific Plan (File No. SP12-0001)

The County of El Dorado (County) will be the lead agency under the California Environmental Quality Act (CEQA) for preparation of an Environmental Impact Report (EIR) for the Lime Rock Valley Specific Plan in El Dorado County. The purpose of this 30-day Notice of Preparation (NOP) and notice of public scoping meeting is to solicit comments from public agencies and interested persons regarding the scope and content of the environmental information and analyses, including the significant environmental impacts, reasonable alternatives, and mitigation measures that should be included in the Draft EIR (pursuant to CEQA Guidelines Section 15082). The location, project description, proposed entitlement requests, and potential environmental effects of the proposed Lime Rock Valley Specific Plan are summarized in the attached materials.

Please provide written comments to **Mr. Rommel (Mel) Pabalinas, Senior Planner, at the address shown by 5:00 p.m. on March 22, 2013**. Keep in mind that there will be another opportunity to submit detailed comments when the Draft EIR is released for public review. Please mail, email or fax your comments to:

Rommel (Mel) Pabalinas, Senior Planner
El Dorado County Development Services Department, Planning Division
2850 Fairlane Court, Building C
Placerville, CA 95667
Email: rommel.pabalinas@edcgov.us
Fax: (530) 642-0508

The County will hold a public scoping meeting to provide additional information about the project and to receive verbal and written comments.

Date: Tuesday, March 12, 2013
Time: 6:30 p.m. to 8:30 p.m.
Where: Light of the Hills Lutheran Church, 3100 Rodeo Road, Cameron Park, CA 95682.

The scoping meeting format will be an open house; interested parties may arrive at any time during the 2-hour window to receive information on the project or provide comments.

NOTICE OF PREPARATION OF

A DRAFT ENVIRONMENTAL IMPACT REPORT (EIR)
AND NOTICE OF PUBLIC SCOPING MEETING
FOR THE
LIME ROCK VALLEY SPECIFIC PLAN

Project Information

Location: The proposed site for the Lime Rock Valley Specific Plan (LRVSP) (project) comprises approximately 740 acres located on the western slope of the unincorporated part of El Dorado County (County), California, south of U.S. Highway 50 (US 50), approximately 19 miles west of Placerville and 24 miles east of downtown Sacramento (Figure 1, Regional Location). The project location is shown on Figure 2, Project Location, and consists of Assessor Parcel Numbers (APNs) 109-010-09, 10, 13, & 14, and 109-020-01, 04, 05, 06 & 20.

The proposed project site is bounded on the north by Cameron Estates, on the east by the Sacramento-Placerville Transportation Corridor, on the south by Royal Equestrian Estates and on the west by the proposed Village of Marble Valley Specific Plan, and the Deer Creek Wastewater Treatment Plant.

Project Description: The proposed project would be a comprehensive planned residential community totaling approximately 740 acres with a variety of lot sizes and housing types, designed to ensure the preservation of significant historical sites and prominent natural features, including oak woodlands, steep slopes, streams, and wetlands, and to complement surrounding land uses. The plan would be a mix of low-density residential and open space uses. Specifically, the project would consist of up to 800 residential units on approximately 377 acres, a 15-acre neighborhood park with recreational amenities, and about 314 acres of public and private open space. The balance of the area would be comprised of roads and rights of way. Other features of the plan include a network of pedestrian trails and pathways that would connect to and enhance existing and proposed trails in the area, including the El Dorado Trail. Table 1 presents the proposed land use designations and proposed number of units. These designations are also shown in Figure 3, Proposed Land Use Designations.

Table 1. Proposed Land Use Summary

Land Use Designation	Area (Acres)	Percent of Total Area	Residential Units
Residential			
LDR - Low Density Residential (0.9-5.0 Du/Ac)	377	51%	800
Subtotal	*377*	*51%*	*800*
Public			
VP - Village Park	15	2%	NA
Subtotal	*15*	*2%*	NA
Open Space			
OS - Open Space	314	42%	NA
Subtotal	*314*	*42%*	NA
Road Impact Areas and Future Right-of-Way	34	5%	NA
Subtotal	*34*	*5%*	
Total	**740**	**100%**	**800**
Notes: DU/Ac = average dwelling units per acre NA = not applicable Source: G3 Enterprises, Inc., 2012			

Proposed Entitlement Requests: The proposed entitlements that would be required to implement the LRVSP include an amendment to the County general plan, rezoning and adoption and implementation of the LRVSP. In addition, the project would require the County's approval of a development agreement, financing plan, and subsequent development permits and entitlements including a Development Plan and Tentative Maps. Specifically, the entitlement requests for the proposed project are provided as follows.

- The proposed general plan amendment would expand the Community Region of El Dorado Hills to include the LRVSP area on the General Plan Land Use Map, and amend the General Plan Land Use Map designation of subject lands from Rural Residential (RR) (1 DU/10 to 160 acres) and Open Space (OS) to Adopted Plan-Lime Rock Valley Specific Plan (AP-LRVSP) and LRVSP land use designations Low-Density Residential (LDR) (0.9–5.0 DU/Ac), Village Park (VP), and Open Space (OS).

- The proposed rezoning would amend zone districts from Estate Residential Ten Acre-Planned Development (RE-10-PD), Residential Agricultural-20 and Residential Agricultural-40 Districts, and Open Space (OS) to LRVSP zone districts One-Acre Lot Residential-Planned Development (R1A-PD), 15,000 SF Lot Residential-Planned Development (R15-PD), 10,000 SF Lot Residential-Planned Development (R10-PD), 6,000 SF Lot Residential-Planned Development (R6-PD), Private Open Space-Planned Development (OS1-PD), Public Open Space-Planned Development (OS2-PD), and Preserve-Open Space Planned Development (OS3-PD).

- Specific Plan for the proposed LRVSP for the development of a 740-acre project site consisting of up to 800 dwelling units, a 15 acre public facility/recreational park use, 314 acres of open space, and the necessary roads, rights of way and associated project infrastructure required to implement the project.

Additionally, the proposed project will also require approvals by the El Dorado County Local Agency Formation Commission (LAFCO) to annex the LRVSP area into the EID service area for water, wastewater, and recycled water services, and to amend the El Dorado Hills Community Service District (EDHCSD) sphere of influence area to include the LRVSP area and annex the LRVSP area into the EDHCSD service area for parks and recreation.

Environmental Effects

Potential Environmental Effects: Based on a preliminary environmental analysis of the LRVSP, the County has determined that the full range of issues identified in the CEQA Guidelines, listed below, shall be addressed in the EIR.

- Air Quality
- Biological Resources
- Cultural Resources
- Geology, Soils, Minerals, and Paleontology
- Greenhouse Gas Emissions
- Hazards and Hazardous Materials
- Hydrology, Water Quality, and Water Resources
- Land Use Planning and Agricultural Resources
- Noise and Vibration
- Population and Housing
- Public Services and Utilities
- Recreation
- Traffic and Circulation
- Visual Resources

In addition to the above areas, the Draft EIR will also evaluate the potential cumulative and growth-inducing effects of the project, as required by CEQA. Reasonably foreseeable future projects will be considered in the Draft EIR, including, but not limited to, the proposed Village of Marble Valley Specific Plan, the proposed Dixon Ranch Residential Project and the Central El Dorado Hills Specific Plan. Applications have been submitted to the County for these two projects, and they are currently undergoing CEQA review.

Comments and suggestions are requested regarding the environmental issues that will be analyzed in the EIR during the 30-day public comment period for the NOP.

Potential Alternatives to be Addressed in the EIR: In accordance with Section 15126.6 of the State CEQA Guidelines, an EIR must "describe a range of reasonable alternatives to the Project, or to the location of the Project, which would feasibly attain most the basic objectives of the Project, but would avoid or substantially lessen any of the significant effects of the Project, and evaluate the comparative merits of the alternatives." As required by CEQA, the EIR will evaluate a no project alternative, which will assume development of the site under the currently adopted general plan and zoning designations. Aside from the no project alternative, the County has not yet determined what additional alternatives to the project will be evaluated in the EIR. These will be identified during the environmental review

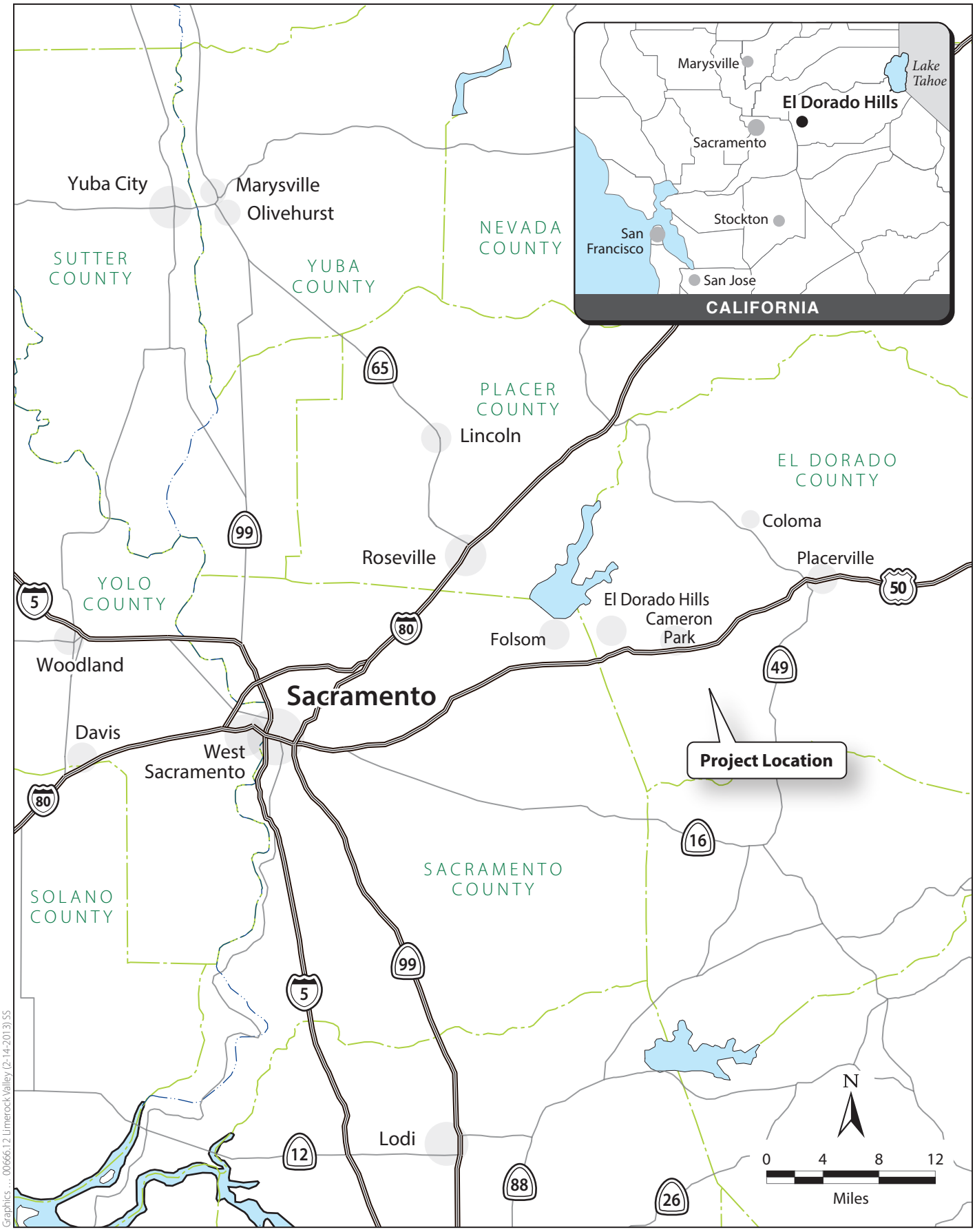
process. Once selected, the alternatives will be analyzed at a qualitative level of detail for comparison against the impacts identified for the proposed project, consistent with the requirements of CEQA.

Public Scoping Meeting

The County will hold a public scoping meeting to provide additional information about the project and to receive verbal and written input on Tuesday, March 12, 2013 from 6:30 p.m. to 8:30 p.m. at Light of the Hills Lutheran Church, 3100 Rodeo Road, Cameron Park, CA 95682. The scoping meeting format will be an open house; interested parties may arrive at any time during the 2-hour window to receive information on the project or provide input.

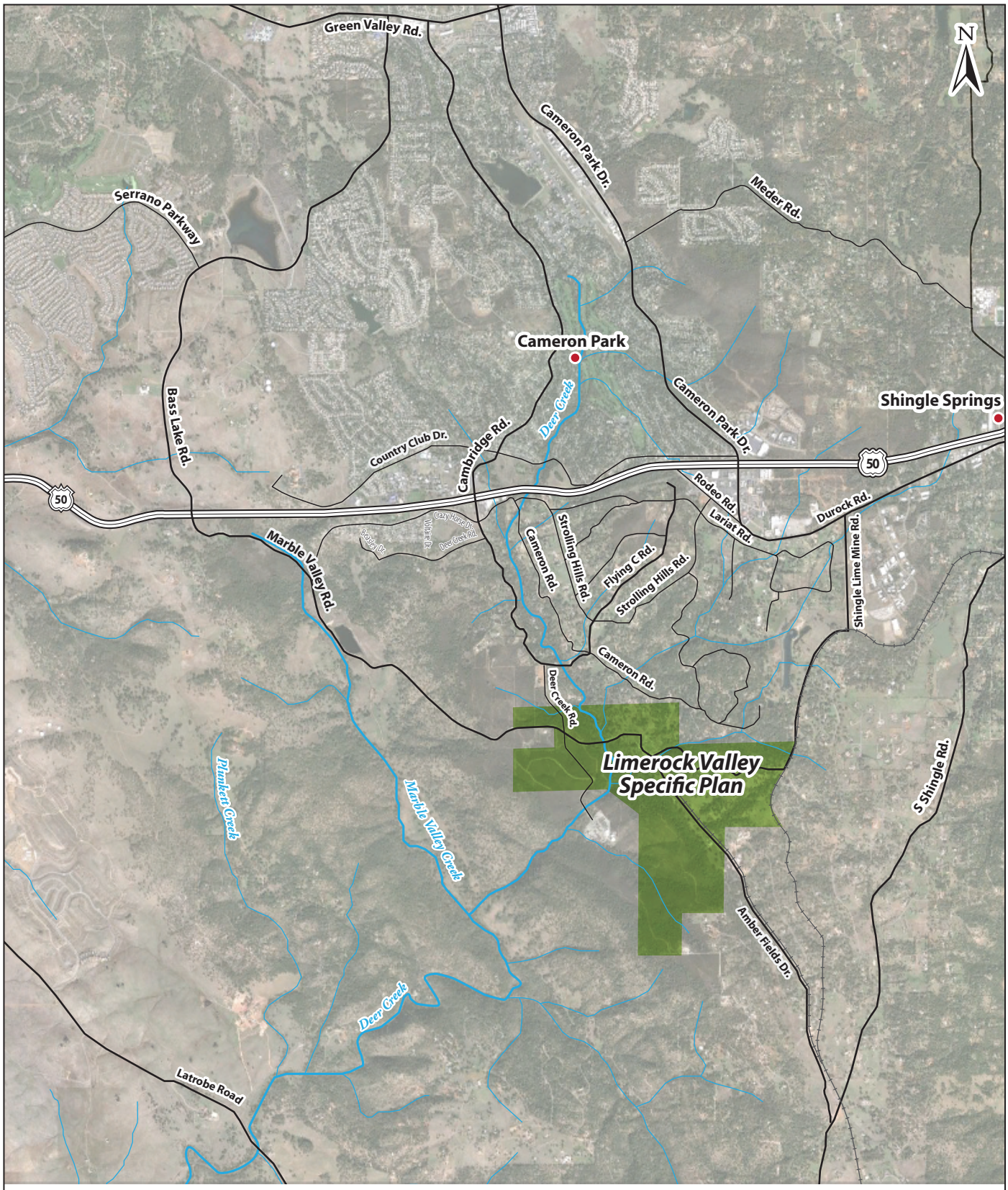
Requests for Additional Information

If you have any questions, please contact Rommel (Mel) Pabalinas at the County of El Dorado, Development Services Department, Planning Division, 2850 Fairlane Court, Building C, Placerville, CA 95667, by telephone at (530) 621-5363, or by email to rommel.pabalinas@edcgov.us.



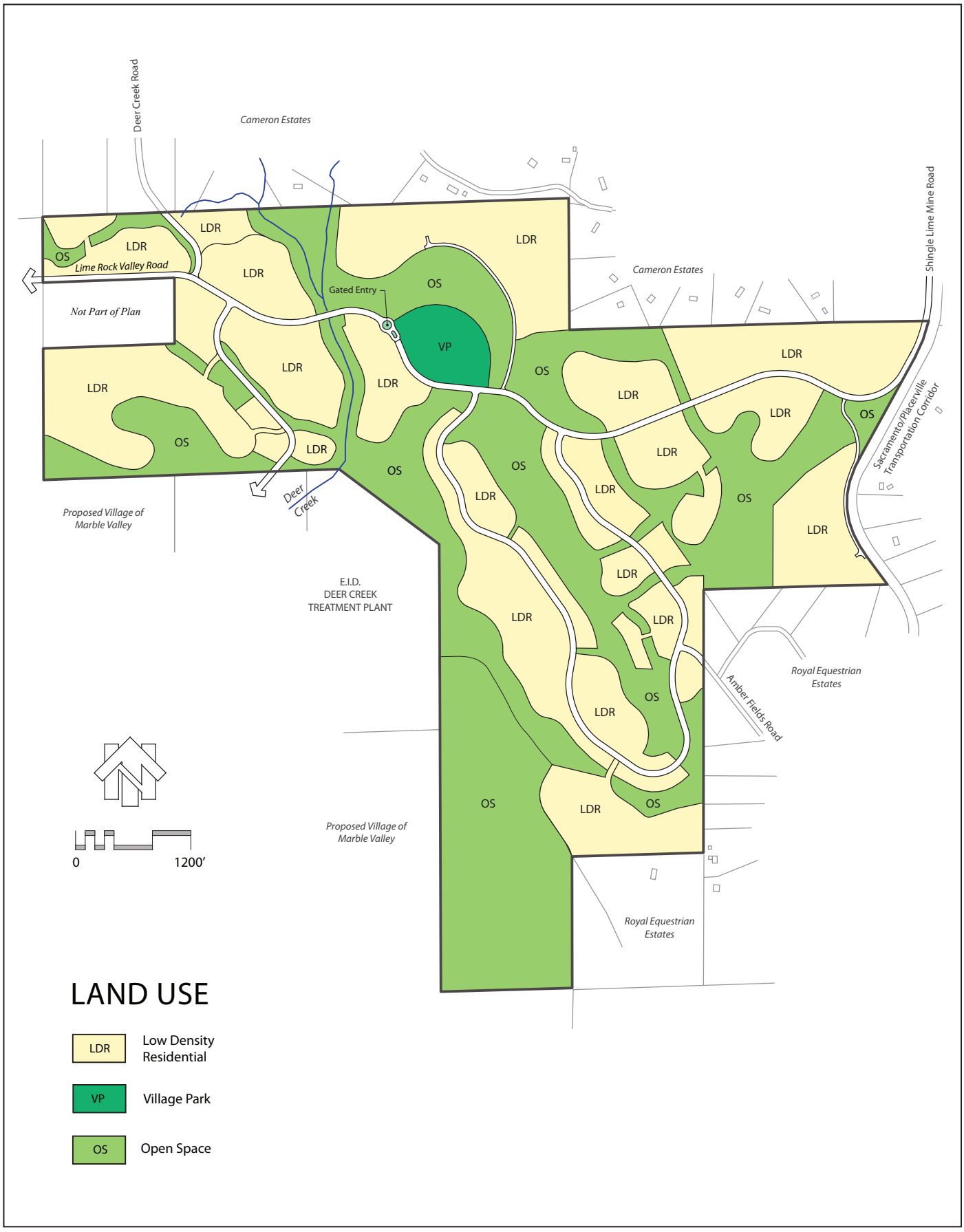
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Figure 1
Regional Location



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Figure 2
Project Location



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Figure 3
Proposed Land Use Designations

Party Name (Last name, First name; Agency or Organization name)	**Date Received**	**Party Type/ Letter Number/ Comment Number**	**Federal, State, Local, Organization, Form, Individual**	**Comment Topic**	**Refined Topic**	**Section**	**Mitigation (if applicable)**
Blodget, James & Jill	11/23/2012	IP01	Individual	Design	proposed residential densities do not conform to GP which defines LDR as 1 dwelling/5 acres maximum; proposed project lots are 1/5 ot 1/2 acre in size	The proposed project would include an ammendment to the General Plan as discussed in **Section 3.9**, Land Use and Agricultural Resources (Impact LU-2). Residential densities for LRV are provided in Section 3 of the Specific Plan and the project description of this EIR.	
Deehan, Vicky	1/20/2013	IP02	Individual	Design	why increased LU density?	Not a CEQA issue; project design	
	1/20/2013	IP02	Individual	Transportation	no road for ingress and egress	Access to the project area would be via Lime Rock Valley Road. See **Chapter 2**, Project Description and **Section 3.14,** Traffic and Circulation.	
	1/20/2013	IP02	Individual	Utilities	source of water?	Water supply is addressed in **Section 3.12**, Public Services/Utilities, Impact PSU-5	
	1/20/2013	IP02	Individual	Biological Resources	loss of habitat=displaced animals; already having issues with rattlesnakes, coyotes/mtn lion sighting.	**Section 3.3**, Biological Resources discusses impacts on wildlife habitat.	
	1/20/2013	IP02	Individual	Design	wants map showing specifics to her property	Comment noted. The NOP includes a map and there are maps in the DEIR and specific plan for reference.	
Hovey, John & Linda	3/12/2013	IP03	Individual	Quality of Life	proposed city-sized lots are not in keeping with rural environment; proposed project will impact Q of L	Not a CEQA issue	
	3/12/2013	IP03	Individual	Zoning	opposes zoning amendment for higher denisty/smaller parcels; recommends parcels no smaller than 10 acres in southern portion of LRV	Comment noted. See analysis of No-Project Alternative in **Chapter 4**, which includes larger lots. The southernmost area of the LRVSP is proposed to be in Open Space.	
	3/12/2013	IP03	Individual	Haz/AQ	NOA	Addressed in **Section 3.2**, Air Quality (Impact AQ-4).	Mitigation Measure AQ-4b
	3/12/2013	IP03	Individual	Haz/AQ	Area adjacent to REE is "more likley" to contain asbestos (according to asbestos review); disturbing NOA is unacceptable and possibly a violation of CEQA	NOA is addressed in **Section 3.2**, Air Quality (Impact AQ-4). The intent of CEQA is to disclose impacts, see **Chapter 1** for discussion.	Mitigation Measure AQ-4b

Party Name (Last name, First name; Agency or Organization name)	Date Received	Party Type/ Letter Number/ Comment Number	Federal, State, Local, Organization, Form, Individual	Comment Topic	Refined Topic	Section	Mitigation (if applicable)
	3/12/2013	IP03	Individual	Zoning	All parcels in LRV PUD should be minimum of 5 acres; oppose rezoning of other parcels	Proposed parcel sizes and General Plan amendments are discussed in **Chapter 2**. Land use impacts are discussed in **Section 3.9**, Land Use Planning and Agricultural Resources (Impact LU-2).	
	3/12/2013	IP03	Individual		Would like to meet with County on site	Comment noted.	
Hanebutt, Michael	3/12/2013	IP04	Individual	Design/Zoning/Traffic	suggests lower density for consistency with existing community and reduction in traffic impacts	See **Chapter 4** for analysis of alternatives.	
	3/12/2013	IP04	Individual	Design	no gated entrance	Comment noted.	
	3/12/2013	IP04	Individual	Design	suggests Shingle Lime Mine Road be full access	Shingle Lime Mine Road will be available for emergency vehicle access only. See **Chapter 2**, Project Description and **Section 3.14**, Traffic and Circulation.	
	3/12/2013	IP04	Individual	Design Transportation	wants bicylcles/pedestrian consideration in road design	Pedestrian and bicycle circulation is addressed in **Section 3.14**, Traffic and Circulation (Impact TRA-1 and TRA-6). See also Section 4 of the Specific Plan.	
McCorckle, Stephanie	3/17/2013	IP05	Individual	Form Letter A			
Tucker, Michael	3/18/2013	IP06	Individual	Design	suggests 500-ft. buffer @ Cameron Estates boundary	See Section 3.1, Aesthetics for discussion of adjacent land uses and impacts on views.	
	3/18/2013	IP06	Individual	Recreation	suggests access to developed trails and regional parks	Features of the plan include a network of pedestrian trails and pathways that would connect and enhance existing and proposed trails in the area, including the El Dorado Trail. See Section 4 of the Specific Plan and **Section 3.14**, Traffic and Circulation in this document.	
Watley, Jennifer	3/25/2013	IP07	Individual	Form Letter B			
Hartnett, Robert	3/19/2013	IP08	Individual	Form Letter B			
Catania, Karen and Paul	3/19/2013	IP09	Individual	Form Letter B			
Pingle, Ray and Jana	3/20/2013	IP10	Individual	Form Letter B			

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Guthrie, Karen	3/25/2013	IP11	Individual	Design	inconsitent with surrounding neighborhoods	Proposed parcel sizes and General Plan amendments are discussed in **Chapter 2**. Impacts to aesthetic resources are discussed in Section 3.1, Aesthteics (Impact AES-4). Land use impacts are discussed in **Section 3.9**, and Land Use Planning and Agricultural Resources (Impact LU-2).	
	3/25/2013	IP11	Individual	Transportation	Marble Valley Drive w/800 additonal homes will be a traffic nighmare	Traffic impacts are addressed in **Section 3.14**, Traffic and Circulation (Impact TRA-2)	
	3/25/2013	IP11	Individual	Design	southern route parallel to Hwy 50 should be explored. Resulting traffic jams will cause residents to use alt routes through Cameron Park. Those residents pay for their road maintanence	Traffic impacts are addressed in **Section 3.14**, Traffic and Circulation (Impact TRA-1 and TRA-2). Alternate routes are outside the scope of this project.	
	3/25/2013	IP11	Individual	Design	Cameron Park has taken on more than its fair share of low-cost housing	Land use is discussed in **Section 3.9**, Land Use Planning and Agricultural Resources. The County doesn't have an affordable housing policy or ordinance.	
	3/25/2013	IP11	Individual	Specific Plan	"Proposed Entitlement Requests" touted as "expanding the Community Region of EDH" is untrue.	Comment noted. This is not a comment on the DEIR and is not a CEQA issue.	
Strohn, Leigh P.	3/22/2013	IP12	Individual	Design/LU	Requests a buffer zone between project and existing community	**Chapter 4** addresses alternatives analyzed.	
	3/22/2013	IP12	Individual	Transportation	concerned about increased trafic impacts on Hwy 50 and the fact there are only 2-3 entrances	Addressed in **Section 3.14**, Traffic and Circulation (Impact TRA-1 and TRA-2)	
	3/22/2013	IP12	Individual	Design/Recreation	would like to leverage the use of the planned trail system so all could use	The proposed project includes a network of pedestrian trails and pathways that would connect and enhance existing and proposed trails in the area, including the El Dorado Trail. See **Section 3.14**, Traffic and Circulation.	
	3/22/2013	IP12	Individual	Visual/Aesthetics	concerned about nighttime light pollution	Impacts related to light and glare are addressed in **Section 3.1,** Aesthetics (Impact AES-5)	Mitigation Measure AES-2
	3/22/2013	IP12	Individual	Design	why can't the project have fewer homes?	**Chapter 4** addresses alternatives analyzed.	

Party Name (Last name, First name; Agency or Organization name)	Date Received	Party Type/ Letter Number/ Comment Number	Federal, State, Local, Organization, Form, Individual	Comment Topic	Refined Topic	Section	Mitigation (if applicable)
Strohn, Robert	3/22/2013	IP13	Individual	Transportation	concerned about increased traffic impacts on Hwy 50 and the fact there are only 2-3 entrances	Addressed in **Section 3.14**, Traffic and Circulation (Impact TRA-1 and TRA-2)	
	3/22/2013	IP13	Individual	Design/LU	Requests a green belt between project and existing community	**Chapter 4** addresses alternatives analyzed.	
	3/22/2013	IP13	Individual	Design	Prefers a smaller development, fewer homes	**Chapter 4** addresses alternatives analyzed.	
	3/22/2013	IP13	Individual	Design/Recreation	would like to leverage the use of the planned trail system so all could use	The proposed project includes a network of pedestrian trails and pathways that would connect and enhance existing and proposed trails in the area, including the El Dorado Trail. See **Section 3.14**, Traffic and Circulation.	
Schelin, Christine	3/20/2013	IP14	Individual	Recreation/Design	suggests trail access from Cameron Estates through LRV to access MV and El Dorado trail	See Figure 4.25, **Section 4** of the Specific Plan.	
	3/20/2013	IP14	Individual	Design	requests 500-ft. buffer between cameron estates and LRV	**Chapter 4** addresses alternatives analyzed.	
	3/20/2013	IP14	Individual	Biological Resources	wildlife corridor	Impacts on wildlife corridors is discussed in **Section 3.3**, Biological Resources'	
	3/20/2013	IP14	Individual	Quality of Life	impact on "rural" culture	Not a CEQA issue.	
	3/20/2013	IP14	Individual	Transportation	public transit considerations	Public transit is addressed in **Section 3.14**, Traffic and Circulation	
	3/20/2013	IP14	Individual	WQ/Utilities	surprise inspection of EID plant due to foul smelling odor/poor WQ of Deer Creek	Impacts related to odors are addressed in **Section 3.2**, Air Quality (Impact AQ-5) and those related to water quality are address in **Section 3.8**, Hydrology, Water Quality, and Water Resources (Impacts WQ-1 and WQ-6).	
	3/20/2013	IP14	Individual	Visual/Aesthetics	light pollution	Impacts from light and glare are addressed in **Section 3.1**, Aesthetics (Impact AES-5)	Mitigation Measure AES-2
	3/20/2013	IP14	Individual	Transportation	traffic , especially Cambridge Road exit	Traffic impacts are addressed in **Section 3.14**, Traffic and Circulation (Impact TRA-1 and TRA-2)	

Party Name (Last name, First name; Agency or Organization name)	**Date Received**	**Party Type/ Letter Number/ Comment Number**	**Federal, State, Local, Organization, Form, Individual**	**Comment Topic**	**Refined Topic**	**Section**	**Mitigation (if applicable)**
Schelin, Paul	3/20/2013	IP15	Individual	Recreation	requests trail access from Cameron Estates through LRV to access MV and El Dorado trail	The proposed project includes a network of pedestrian trails and pathways that would connect and enhance existing and proposed trails in the area, including the El Dorado Trail. See **Section 3.14**, Traffic and Circulation.	
	3/20/2013	IP15	Individual	Design	requests 500-ft. buffer between cameron estates and LRV	**Chapter 4** addresses alternatives analyzed.	
Canup, Russell and Diane	3/20/2013	IP16	Individual	Form Letter A			
Hovey, John and Linda	3/22/2013	IP17	Individual	WQ/Hydro	concerns regarding groundwater recharge-covering large area with impervious surfaces will reduce groundwater recharge	Addressed in **Section 3.8,** Hydrology, Water Quality, and Water Resources (Impact WQ-2)	
	3/22/2013	IP17	Individual	WQ/Hydro/Haz-Mat	household chemicals and vehicle oils, solvents, etc., in groundwater due to increased homes	Addressed in **Section 3.8**, Hydrology, Water Quality, and Water Resources (Impacts WQ-1 and WQ-6)	
	3/22/2013	IP17	Individual	Alternative	offers alternative design	**Chapter 4** addresses alternatives analyzed.	
Cloutier, Christopher and Mandy	3/22/2013	IP18	Individual	Form Letter A			
McCorkle, Patrick	3/21/2013	IP19	Individual	Form Letter A			
Mitchell, Teresa and Giles; Santos, Mark and Lisa	3/22/2013	IP20	Individual	Quality of Life	proposed city-sized lots are not in keeping with rural environment; proposed project will impact Q of L	Not a CEQA issue.	
	3/22/2013	IP20	Individual	Design/Zoning	parcels should be minimum of 5 acres in PUD	**Chapter 4** addresses alternatives analyzed.	
	3/22/2013	IP20	Individual	Alternatives	offers various density alternatives	**Chapter 4** addresses alternatives analyzed.	
	3/22/2013	IP20	Individual	Transportation	traffic and circulation issues could impact private roads	Addressed in **Section 3.14**, Traffic and Circulation (Impact TRA-1 and TRA-2)	
	3/22/2013	IP20	Individual	WQ/Hydro	questions about annexation into EID servcie area and does EID have capacity? Will this affect wells?	Annexation into EID would be required; see Section 9 of the Specific Plan and **Chapter 2**, Project Description in this document. Water Supply Assessments have been conducted and are summarize in **Section 3.12**, Public Services and Utilities (Impact PSU-5).	
	3/22/2013	IP20	Individual	Haz/Mat	assess past mining impacts to groundwater and soils	Impacts related to hazardous materials and mining are discussed in **Section 3.7**, Hazardous Materials (Impact HAZ-4)	

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	3/22/2013	IP20	Individual	Cultural Resources	identify and preserve where possible	Native American representatives have been consulted regarding the project. Impact on cultural resources are addressed in **Section 3.4**, Cultural Resources (Impact CUL-1, CUL-2, and CUL-3)	Mitigation Measures CUL-1, CUL-2a, CUL-2b, CUL-2c, CUL-2d, CUL-3, CUL-4a, CUL-4b
	3/22/2013	IP20	Individual	Noise/Vibration	evaluate impacts related to increased density and visitor population	Addressed in **Section 3.10**, Noise and Vibration (Impact NOI-1 and NOI-3)	Mitigation Measures NOI-1a, NOI-1b, NOI-3
	3/22/2013	IP20	Individual	Biological Resources	wildlife displacement	Impacts on wildlife and their habitat are addressed in **Section 3.3**, Biological Resources.	
	3/22/2013	IP20	Individual	Visual/Aesthetics	viewshed impacts	Visual impacts during construction and operation of the project are addressed in **Section 3.1**, Aesthetics.	
Palmer, Steve	3/22/2013	IP21	Individual	Biological Resources	wildlife habitat/corridor impacts a concern	Impacts on wildlife and their habitat and wildlife movement corridors are addressed in **Section 3.3**, Biological Resources.	
	3/22/2013	IP21	Individual	Visual/Aesthetics	light pollution	Impacts from light and glare are addressed in **Section 3.1**, Aesthetics (Impact AES-5)	Mitigation Measure AES-2
	3/22/2013	IP21	Individual	Visual/Aesthetics	visual impacts	Visual impacts during construction and operation of the project are addressed in **Section 3.1**, Aesthetics.	
	3/22/2013	IP21	Individual	Transportation	Cambridge Road and other traffic issues	Traffic impacts are addressed in **Section 3.14**, Traffic and Circulation (Impact TRA-1 and TRA-2)	
Price, Lindell	3/22/2013	IP22	Individual	Transportation	assess potential of LRV to preclude future traffic connections, including cumulativ traffic impacts	Traffic impacts are addressed in **Section 3.14**, Traffic and Circulation (Impact TRA-1 and TRA-2). Cumulative impacts discussed in **Chapter 5**	

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	3/22/2013	IP22	Individual	Transportation	assess amounts of road pavement, air quality, GHG, traffic speeds, public safety related to different circulation routes	Traffic operations and safety are addressed in **Section 3.14,** Traffic and Circulation (Impact TRA-1). Air quality (**Section 3.2**) and GHG (**Section 3.6**) analyses are partially based on traffic and therefore include these factors. Amounts of road pavement are not considered; not a CEQA issue.	
	3/22/2013	IP22	Individual	Transportation	assess cumulative impacts of additonal traffic on ped/bike access to cambridge Rd.	Addressed in **Section 3.14**, Traffic and Circulation (Impact TRA-1 and TRA-6). Cumulative impacts discussed in **Chapter 5**	
	3/22/2013	IP22	Individual	Population/Housing	address job/housing balance	Employment for residents is not a CEQA issue. Traffic, air quality, GHG, and land use planning impacts are addressed in **Sections 3.14, 3.2, 3.6** and **3.9,** respectively.	
	3/22/2013	IP22	Individual	Transportation	will project components (services and retail) alleviate out-of-county travel?	Not a CEQA issue.	
	3/22/2013	IP22	Individual	Zoning	review expanding the Community Region of Cameron Park to include LRV instead of Community Region of EDH.	Comment noted.	
Price, Stanley	3/22/2013	IP23	Individual	Recreation	analyze equestrian trail…	The proposed project includes an equestrian trail leading to the proposed Village of Marble Valley and connecting to existing trails. See Figure 4.25 in the Specific Plan. Impacts are addressed in **Section 3.14**, Traffic and Circulation.	
	3/22/2013	IP23	Individual	Public Services/Utilities	water supply and sewer availability issues	Impacts related to water supply, sewer capacity and other such infrastructure are addressed in **Section 3.12**, Public Services and Utilities (Impact PSU-2, PSU-3, PSU-5 and PSU-6)	
	3/22/2013	IP23	Individual	Transportation	review pedestrian/bicycle/vehicle/trails circulation plan. Preliminary Trail Circulation Plan is not adequate.	See Figure 4.25, Section 4 of the Specific Plan - Community Trail Plan. Impacts related to pedestrian, bicycle, and vehicle circulation are addressed in **Section 3.14**, Traffic and Circulation.	

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	3/22/2013	IP23	Individual	Land Use/Planning	analyze how rezoning meets current Housing Element requirements as provided by the CA Dept. of Housing and Community Development	Land use is discussed in **Section 3.9**, Land Use Planning and Agricultural Resources. There is no affordable housing requirement in El Dorado County.	
	3/22/2013	IP23	Individual	Population/Housing	where will construction workers live and travel from?	Not a CEQA issue	
	3/22/2013	IP23	Individual	Population/Housing	where will VMVSP residents work and what transit options will there be?	Employment of residents is not a CEQA issue. Public transportation is addressed in **Section 3.14**, Traffic and Circulation (Impact TRA-1 and TRA-6).	
Riordan, James F.	5/1/2013	IP24	Individual	General	Upset that Cameron Park residents were last to be notified.	CEQA provides continuing opportunities for public review and input. See **Section 1.3**, Scoping and Public Involvemnt	
	5/1/2013	IP24	Individual	Traffic/Circulation	3 entrances to Hwy 50 already overtaxed-will get far worse	Traffic issues are addressed in **Section 3.14**, Traffic and Circulation (Impact TRA-1 and TRA-2)	Mitigation Measures TRA-1a, TRA-1b, TRA-1c
	5/1/2013	IP24	Individual	General	Comment on VMV - EDH receiving $, not Cameron Park	See VMV	
	5/1/2013	IP24	Individual	Design	Comment on VMV - Development will include high density areas that will attract people we wish would stay in Sacramento.	See VMV	
	5/1/2013	IP24	Individual	Design	Comment on VMV - Proposed Event Center will compete with existing Cameron Park	See VMV	
Robertson, Eva	5/1/2013	IP25	Individual	General	Asked to be included on mailing list	Included in mailing list.	
Cameron Estates Community Services District	3/22/2013	LO01	Local Organization	Design-Roads	Vehicle access into CECSD from LRV must be prohibited in order to properly mitigate impacts to CECSD	See **Section 4** of the Specific Plan; no access proposed.	
	3/22/2013	LO01	Local Organization	Traffic/Circulation	ingress and egress proposed to be thru VMV; concerns regarding traffic on roads and freeway intersections	Traffic related impacts are addressed in **Section 3.14**, Traffic and Circulation.	
	3/22/2013	LO01	Local Organization	General Plan	800 units is out of character/zoning with existing communities	A discussion of the general consistency of the proposed project with the policies of the General Plan is presented in Appendix B, Consistency with El Dorado County General Plan Policies.	
	3/22/2013	LO01	Local Organization	Design	requests 500-ft buffer zone & 5-acre parcels on perimeter	See **Chapter 4**, Alternatives for an analysis of alternatives and a discussion of alternatives dismissed from further review.	

Party Name (Last name, First name; Agency or Organization name)	**Date Received**	**Party Type/ Letter Number/ Comment Number**	**Federal, State, Local, Organization, Form, Individual**	**Comment Topic**	**Refined Topic**	**Section**	**Mitigation (if applicable)**
	3/22/2013	LO01	Local Organization	Biological Resources	wildlife corridors, preserving ponds/creeks	Impacts on wildlife corridors and wetlands are addressed in **Section 3.3**, Biological Resources. (multiple impact discussions)	
	3/22/2013	LO01	Local Organization	Biological Resources	Oracle oaks should be preserved	Impacts to oak woodlands are addressed in **Section 3.3**, Biological Resources (Impact Bio-1). Oracle oaks are not currently a protected species.	Mitgation Measures BIO-1a, BIO-1b, BIO-1c, BIO-1d, and BIO-1e
	3/22/2013	LO01	Local Organization	Visual Resources	lighting, light pollution	Impacts related to light and glare are addressed in **Section 3.1**, Aesthetics (Impact AES-5)	Mitigation Measure AES-2
	3/22/2013	LO01	Local Organization	Design/Recreation	requests non-vehicular access to trail system	This comment is about project desgin and is not a CEQA issue.	
	3/22/2013	LO01	Local Organization	AQ/Haz Mat	adequate mitigation should be in place to control dust and NOA	Dust and NOA during construction are addressed in **Section 3.2**, Air Quality (Impacts, AQ-2, AQ-4c)	Mitigation Measures AQ-2a, AQ-2b, AQ-4b
El Dorado Local Agency Formation Commission	4/2/2013	LO02	Local Organization	Land Use/Public Services	LAFCO approval is required inorder to amend the EDHCSD SOI to include LRVSP and annex the area for Parks & rec services and Water, wastewater services from EID	Comment noted. Approvals by the El Dorado County Local Agency Formation Commission (LAFCO) to annex the LRVSP area into the EID service area for water and wastewater are noted in **Section 2.4**, Required Approvals	
	4/2/2013	LO02	Local Organization	Cumulative	consider cumulative impacts based on other planned projects	**Chapter 5**, Other CEQA Considerations, addresses cumulative impacts.	
	4/2/2013	LO02	Local Organization	Recreation	should consider park/rec impacts as well as analyzing the annexation into the CPCSD as an alternative	Recreation impacts are addressed in **Section 3.13**, Recreation.	
	4/2/2013	LO02	Local Organization	Utilities	analyze water supply and water treatment issues	Water supply impacts are addressed in **Section 3.12**, Public Services and Utilities (Impact PSU-5)	
	4/2/2013	LO02	Local Organization	Utilities	wastewater treatment issues	Impacts related to wastewater treatment are addressed in **Section 3.12**, Public Services and Utilities (Impact PSU-2, PSU-3, and PSU-7)	

Party Name (Last name, First name; Agency or Organization name)	**Date Received**	**Party Type/ Letter Number/ Comment Number**	**Federal, State, Local, Organization, Form, Individual**	**Comment Topic**	**Refined Topic**	**Section**	**Mitigation (if applicable)**
	4/2/2013	LO02	Local Organization	Agricultural	address ag impacts	Impacts related to agricultural lands are addressed in **Section 3.9**, Land Use and Agriculture (Impacts LU-4, LU-5 and LU-8)	
	4/2/2013	LO02	Local Organization	Population/Housing/Growth	identify income category housing that will be provided and how that fits into the County's RHNa target	Identification and analysis of income category housing of the propoesd project is not required under CEQA. Regional Housing Needs Allocation is discussed in **Section 3.11**, Population and Housing.	
Cal Fire	2/25/2013	PA01	State	Fire Safety	ingress and egress requirements, road width requirements	LRVSP will meet these requirements. See **Section 4** of the Specific Plan.	
Caltrans	3/27/2013	PA02	State	Transportation	Caltrans anticipates impacts to Hwy 50 - should conduct Traffic Impact Study	Traffic Impact Study was conducted and result, including impacts and mitigation measures are addressed in **Section 3.14**, Traffic and Circulation.	
	3/27/2013	PA02	State	Transportation	address cumulative traffic impacts	Comment noted. Cumulative impacts are addressed in **Chapter 5**, Other CEQA Considerations.	
	3/27/2013	PA02	State	Transportation	would like county to address long-range plan for local employment and parallel facilities to Hwy 50	Comment noted.	
	3/27/2013	PA02	State	WQ/Hydro	specific hydro study suggetsions including a Master Drainage Plan	Impacts related to hydrology are discussed in **Section 3.8**, Hydrology, Water Quality and Water Resources. Drainage is to the south and will not affect Caltrans facilities.	
	3/27/2013	PA02	State	Transportation	anything affecting State highways should include transportation mgmt. plan	Comment noted	
	3/27/2013	PA02	State	Transportation	project may require a permit if oversized vehicles are used or oversized loads on State highways	Comment noted	
	3/27/2013	PA02	State	Transportation	an encroachment permit may be needed	Comment noted	
US Army Corps of Engineers	3/26/2013	PA03	Federal	WQ/Hydro	a 404 permit may be required	Comment noted. **Section 2.4**, Required Approvals, notes a Section 404 permit may be required	
	3/26/2013	PA03	Federal	Biological Resources	a wetland delineation may need to be prepared	Comment noted. A wetland delineation has been prepared and submitted to the USACE.	

Party Name (Last name, First name; Agency or Organization name)	Date Received	Party Type/ Letter Number/ Comment Number	Federal, State, Local, Organization, Form, Individual	Comment Topic	Refined Topic	Section	Mitigation (if applicable)
	3/26/2013	PA03	Federal	Alternatives	alts that do not impact wetlands should be considered	See Chapter 4, Alternatives for a discussion of the Wetlands-Avoidance Alternative	
Form Letter A				Design	requests a 500-ft. buffer @ Cameron Estates boudnary	See **Chapter 4**, Alternatives.	
				Quality of Life	protect rural quality of life	Not a CEQA issue	
				Biological Resources	wildlife impacts/migration corridor;suggests three-rail fencing so as not to impede wildlife access	Impacts on wildlife, their habitat, and migration corridors are addressed in **Section 3.3**, Biological Resource.	
				Visual/Aesthetics	suggests three-rail fencing for aesthetic reasons as well	Comment noted.	
				Biological Resources	wants oracle oaks protected	Oracle oaks are not a protected species. Impacts to oak woodlands are addressed in **Section 3.3**, Biological Resources (Impact BIO-1)	Mitigation Measures BIO-1a, BIO-1b, BIO-1c, BIO-1d, and BIO-1e.
				Visual/Aesthetics	concerned about light pollution from street lighting	Impacts related to light and glare are addressed in **Section 3.1**, Aesthetics (Impact AES-5)	Mitigation Measure AES-2
				AQ/Transportation	concerned about increased traffic and increased pollution	Traffic impacts are addressed in **Section 3.14**, Traffic and Circulation (Impacts TRA-1 and TRA-2). Air quality impacts are addressed in **Section 3.2** (Impact AQ-1 and AQ-2).	Mitigation Measure AQ-2a and AQ-2b AQ-2c
				Design/Zoning	suggests that some of these impacts could be mitigated by establishing 5-acre parcels against the 500-ft buffer - providing a transition from lower to higher density	See **Chapter 4**, Alternatives.	
Form Letter B				Design	PUD/PD made up of city-sized lots is objectionable	Comment noted. Comment on design/merits, not a CEQA issue.	

Party Name (Last name, First name; Agency or Organization name)	**Date Received**	**Party Type/ Letter Number/ Comment Number**	**Federal, State, Local, Organization, Form, Individual**	**Comment Topic**	**Refined Topic**	**Section**	**Mitigation (if applicable)**
				General Plan	project is inconsistent	The proposed project would include an ammendment to the General Plan as discussed in **Section 3.9**, Land Use Planning and Agricultural Resources (Impact LU-2)	
				Zoning	REE residents moved here because of current zoning	Comment noted.	
				Design	lots should be 5-ac. Minimum	See **Chapter 4**, Alternatives for analysis of alternatives.	
				General	requests a site visit to better explain/show their position	Comment noted.	

Appendix B

El Dorado County General Plan Policies and Lime Rock Valley Specific Plan Policies

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Policy Numbers	Policy	Project Consistency
AGRICULTURE AND FORESTRY ELEMENT		
Goal 8.1: Agricultural Land Conservation		
Objective 8.1.3: Protection of Agricultural Lands		
8.1.3.1	Agriculturally zoned lands including Williamson Act Contract properties shall be buffered from increases in density on adjacent lands by requiring a minimum of 10 acres for any parcel created adjacent to such lands. Parcels used to buffer agriculturally zoned lands should have a similar width to length ratio of other parcels when feasible.	The LRVSP has been amended so that any newly created parcel in an area zoned R5A-PD that is adjacent to agriculturally zoned lands shall be a minimum 10 acres in size and will have a similar width to length ration of the adjacent parcel, when feasible.
LAND USE ELEMENT		
Goal 2.1: Land Use		
Objective 2.1.1: Community Regions		
2.1.1.1	The Communities within the County are identified as: Camino/Pollock Pines, El Dorado Hills, Cameron Park, El Dorado, Diamond Springs, Shingle Springs, and the City of Placerville and immediate surroundings.	The project site is proposed to be included in the El Dorado Hills Community Region.
2.1.1.2	Establish Community Regions to define those areas which are appropriate for the highest intensity of self-sustaining compact urban-type development or suburban type development within the County based on the municipal spheres of influence, availability of infrastructure, public services, major transportation corridors and travel patterns, the location of major topographic patterns and features, and the ability to provide and maintain appropriate transitions at Community Region boundaries. These boundaries shall be shown on the General Plan land use map.	The project site is proposed to be included in the El Dorado Hills Community Region. Availability of infrastructure and public services is addressed in Section 3.12, and the availability of access to major transportation corridors is addressed in Section 3.14.
2.1.1.3	Mixed use developments which combine commercial and residential uses in a single project are permissible and encouraged within Community Regions. Within Community Regions, the mixed-uses may occur vertically and/or horizontally. In mixed use projects, the maximum residential density shall be 16 dwelling units per acre within Community Regions. The residential component of a mixed-use project may include a full range of single and/or multi-family design concepts. The maximum residential density of 20 dwelling units per acre may only be achieved where adequate infrastructure, such as water, sewer and roadway are available or can be provided concurrent with development.	The proposed project would consist of up to 800 single-family residential units on 358 acres, with a mix of low and medium densities, an 8-acre neighborhood park with recreational amenities, and about 335 acres of public and private open space. The project is not a mixed-use project.
2.1.1.4	Community Region boundaries shall generally be coterminous with the Sphere of Influence boundaries of incorporated cities. Community Region boundaries may extend beyond a city's sphere of influence to recognize existing and anticipated development patterns consistent with that of Community Regions. However, cities should be encouraged to expand their sphere of influence to be contiguous with Community Region boundaries.	The project site is not located near a city, however, the El Dorado Hills Community Region is an existing Community Region.
2.1.1.6	The boundaries of existing Community Regions may be modified through the General Plan amendment process.	A general plan amendment to modify the boundaries of the El Dorado Hills Community Region is a part of the proposed project.
2.1.1.7	Development within Community Regions, as with development elsewhere in the County, may proceed only in accordance with all applicable General Plan Policies, including those regarding infrastructure availability as set forth in the Transportation and Circulation and the Public Services and Utilities Elements. Accordingly, development in Community Regions and elsewhere will be limited in some cases until such time as adequate roadways, utilities, and other public service infrastructure become available and wildfire hazards are mitigated as required by an approved Fire Safe Plan.	The proposed project includes a Specific Plan with a plan for provision of infrastructure and public services and preparation of a Wildfire Safety Plan.

	Policy Numbers	Policy	Project Consistency
Objective 2.2.5: General Policy Section			
	2.2.5.21	Development projects shall be located and designed in a manner that avoids incompatibility with adjoining land uses that are permitted by the policies in effect at the time the development project is proposed. Development projects that are potentially incompatible with existing adjoining uses shall be designed in a manner that avoids any incompatibility or shall be located on a different site.	The proposed project is similar in land uses and densities to the adjacent areas. Objective 3.3 of the Specific Plan calls for the project to integrate and organize land use types and patterns that are compatible with existing uses. For these reasons, the proposed Specific Plan is consistent with this policy.
Goal 2.3: Natural Landscape Features			
Objective 2.3.2: Hillsides and Ridgelines			
	2.3.2.1	Disturbance of slopes thirty (30) percent or greater shall be discouraged to minimize the visual impacts of grading and vegetation removal.	The proposed Specific Plan will be consistent with the General Plan in that building sites on parcels of greater than 30% slope may be limited to areas of the lot less than 30% natural slope.
Goal 2.5: Community Identity			
Objective 2.5.1: Physical and Visual Separation			
	2.5.1.1	Low intensity land uses shall be incorporated into new development projects to provide for the physical and visual separation of communities. Low intensity land uses may include any one or a combination of the following: parks and natural open space areas, special setbacks, parkways, landscaped roadway buffers, natural landscape features, and transitional development densities.	The proposed Specific Plan includes open space, parks, natural landscape features and landscaped roadway buffers. The proposed Specific Plan is consistent with this policy.
	2.5.1.2	Greenbelts or other means of community separation shall be included within a specific plan and may include any of the following: preserved open space, parks, agricultural districts, wildlife habitat, rare plant preserves, riparian corridors, and designated Natural Resource areas.	The proposed project includes green belt buffers in the form of open space areas and 5-acre minimum lots between uses and around the west and south edges of the project site. The proposed Specific Plan is consistent with this policy.
Goal 2.6: Corridor Viewsheds			
Objective 2.6.1: Scenic Corridor Identification			
	2.6.1.5	All development on ridgelines shall be reviewed by the County for potential impacts on visual resources. Visual impacts will be assessed and may require methods such as setbacks, screening, low-glare or directed lighting, automatic light shutoffs, and external color schemes that blend with the surroundings in order to avoid visual breaks to the skyline.	Consistency with this policy is addressed in Section 3.1, *Aesthetics*, where a significant and unavoidable impact on scenic vistas is identified. Design review is required by the Specific Plan. Visual impacts have been assessed and a significant and unavoidable impact was identified, though applicable to very few viewers on adjacent properties with similar developments. Methods such as setbacks, screening, directed lighting and color schemes will be required to minimize impacts to the extent feasible, consistent with this policy.
	2.6.1.6	A Scenic Corridor (-SC) Combining Zone District shall be applied to all lands within an identified scenic corridor. Community participation shall be encouraged in identifying those corridors and developing the regulations.	As discussed in Section 3.1, *Aesthetics*, as shown on Figure 3.1-1, a portion of US 50 passing near the project site is considered a scenic corridor by the County for its views of Marble Valley. However, as described in Section 3.1, *Aesthetics*, US 50 passes approximately 1.6 miles northwest of the project site, and there are no views of the project site from US 50 and trees and terrain prevent views of the project site from US 50, including from the County designated scenic portions of this route.

	Policy Numbers	Policy	Project Consistency
Goal 2.8: Lighting			
Objective 2.8.1: Lighting Standards			
	2.8.1.1	Development shall limit excess nighttime light and glare from parking area lighting, signage, and buildings. Consideration will be given to design features, namely directional shielding for street lighting, parking lot lighting, sport field lighting, and other significant light sources, that could reduce effects from nighttime lighting. In addition, consideration will be given to the use of automatic shutoffs or motion sensors for lighting features in rural areas to further reduce excess nighttime light.	Specific Plan policies call for limiting street and other public lighting and shielding fixtures consistent with this policy. Specific Plan policies 5.21 and 7.19 address street lighting and lighting in public/common areas. The proposed Specific Plan is consistent with these policies.
TRANSPORTATION & CIRCULATION ELEMENT			
Roads and Highways			
Goal TC-1: To plan for and provide a unified, coordinated, and cost-efficient countywide road and highway system that ensures the safe, orderly, and efficient movement of people and goods.			
	TC-1r	The County shall accept classified roads, as defined on Figure TC-1, into the County-maintained road system when constructed to County standards.	The proposed Specific Plan includes a definition of which roads will be County maintained and which roads will be maintained by the Homeowners Association. The proposed Specific Plan is consistent with this policy.
	TC-1s	Notwithstanding Policy TC-1r, the County shall only add new local roads into the existing County-maintained road system if maintenance for these local roads will be provided for through a County Service Area Zone of Benefit or other similar means acceptable to the Board of Supervisors.	The proposed project includes a Specific Plan with a plan for provision of and funding for infrastructure and public services. The proposed Specific Plan is consistent with this policy.
Levels of Service and Concurrency			
Goal TC-X: To coordinate planning and implementation of roadway improvements with new development to maintain adequate levels of service on County roads.			
	TC-Xa	Except as otherwise provided, the following TC-Xa policies shall remain in effect indefinitely, unless amended by voters: 1. Traffic from residential development projects of five or more units or parcels of land shall not result in, or worsen, Level of Service F (gridlock, stop-and-go) traffic congestion during weekday, peak-hour periods on any highway, road, interchange or intersection in the unincorporated areas of the county. 2. The County shall not add any additional segments of U.S. Highway 50, or any other highways and roads, to the County's list of roads from the original Table TC-2 of the 2004 General Plan that are allowed to operate at Level of Service F without first getting the voters' approval. 3. intentionally blank (Resolution 125-2019, August 6, 2019) 4. intentionally blank (Resolution 159-2017, October 24, 2017) 5. The County shall not create an Infrastructure Financing District unless allowed by a 2/3rds majority vote of the people within that district. 6. intentionally blank (Resolution 159-2017, October 24, 2017) 7. Before giving approval of any kind to a residential development project of five or more units or parcels of land, the County shall make a finding that the project complies with the policies above. If this finding cannot be made, then the County shall not approve the project in order to protect the public's health and safety as provided by state law to assure that safe and adequate roads and highways are in place as such development occurs.	An evaluation of project impacts on transportation is provided in Section 3.14, *Transportation and Circulation*. The proposed Specific Plan is consistent with this policy.
	TC-Xd	Level of Service (LOS) for County-maintained roads and state highways within the unincorporated areas of the county shall not be worse than LOS E in the Community Regions or LOS D in the Rural Centers and Rural Regions except as specified in Table TC-2. The volume to capacity ratio of the roadway segments listed in Table TC-2 shall not exceed the ratio specified in that table. Level of Service will be as defined in the latest edition of the Highway Capacity Manual (Transportation Research Board, National Research Council) and calculated using the methodologies contained in that manual. Analysis periods shall be based on the professional judgment of the Department of Transportation which shall consider periods including, but not limited to, Weekday Average Daily Traffic (ADT), AM Peak Hour, and PM Peak hour traffic volumes.	An evaluation of project impacts on transportation is provided in Section 3.14, *Transportation and Circulation*. The proposed Specific Plan is consistent with this policy.
	TC-Xe	For the purposes of this Transportation and Circulation Element, "worsen" is defined as any of the following number of project trips using a road facility at the time of issuance of a use and occupancy permit for the development project: A. A 2 percent increase in traffic during the a.m. peak hour, p.m. peak hour, or daily, or	Consistency with this policy is addressed in Section 3.14, *Transportation and Circulation*. The proposed Specific Plan is consistent with this policy.

	Policy Numbers	Policy	Project Consistency
		B. The addition of 100 or more daily trips, or C. The addition of 10 or more trips during the a.m. peak hour or the p.m. peak hour.	
	TC-Xf	At the time of approval of a tentative map for a single family residential subdivision of five or more parcels that worsens (defined as a project that triggers Policy TC-Xe [A] or [B] or [C]) traffic on the County road system, the County shall do one of the following: (1) condition the project to construct all road improvements necessary to maintain or attain Level of Service standards detailed in this Transportation and Circulation Element based on existing traffic plus traffic generated from the development plus forecasted traffic growth at 10-years from project submittal; or (2) ensure the commencement of construction of the necessary road improvements are included in the County's 10-year CIP. For all other discretionary projects that worsen (defined as a project that triggers Policy TC-Xe [A] or [B] or [C]) traffic on the County road system, the County shall do one of the following: (1) condition the project to construct all road improvements necessary to maintain or attain Level of Service standards detailed in this Transportation and Circulation Element; or (2) ensure the construction of the necessary road improvements are included in the County's 20-year CIP.	Consistency with this policy is addressed in Section 3.14, *Transportation and Circulation.* The proposed Specific Plan is consistent with this policy.
	TC-Xg	Each development project shall dedicate right-of-way and construct or fund improvements necessary to mitigate the effects of traffic from the project. The County shall require an analysis of impacts of traffic from the development project, including impacts from truck traffic, and require dedication of needed right-of-way and construction of road facilities as a condition of the development. This policy shall remain in effect indefinitely unless amended by voters.	Consistency with this policy is addressed in Section 3.14, *Transportation and Circulation.* The proposed Specific Plan is consistent with this policy.
Transportation Systems Management Goal TC-3: To reduce travel demand on the County's road system and maximize the operating efficiency of transportation facilities, thereby reducing the quantity of motor vehicle emissions and the amount of investment required in new or expanded facilities.			
	TC-3c	The County shall encourage new development within Community Regions and Rural Centers to provide appropriate on-site facilities that encourage employees to use alternative transportation modes. The type of facilities may include bicycle parking, shower and locker facilities, and convenient access to transit, depending on the development size and location.	Specific Plan policies 4.1, 4.6, 4.7, and 6.2 accommodate and encourage the use of alternate forms of transportation, including public transit, walking, and bicycling. Consistency with these policies is addressed in Section 3.14, *Transportation and Circulation,* Impact TRA-1 and TRA-5. The proposed Specific Plan is consistent with this policy.
Non-motorized Transportation Goal TC-4: To provide a safe, continuous, and easily accessible non-motorized transportation system that facilitates the use of the viable alternative transportation modes.			
	TC-4h	Where hiking and equestrian trails abut public roads, they should be separated from the travel lanes whenever possible by curbs and barriers (such as fences or rails), landscape buffering, and spatial distance. Existing public corridors such as power transmission line easements, railroad rights-of-way, irrigation district easements, and roads should be put to multiple use for trails, where possible.	The proposed Specific Plan includes a comprehensive bikeway and trail system separated from roadways. Specific Plan policies 3.10, 4.7, 5.42, and 6.2 encourage and provide guidance for trail development in the plan area. The proposed Specific Plan is consistent with this policy.
	TC-4i	Within Community Regions and Rural Centers, all development shall include pedestrian/bike paths connecting to adjacent development and to schools, parks, commercial areas and other facilities where feasible. In Rural Regions, pedestrian/bike paths shall be considered as appropriate.	The proposed Specific Plan includes a comprehensive bikeway and trail system connecting the different land uses within the project site. Specific Plan policies 3.10, 4.7, 5.42, and 6.2 encourage and provide guidance for trail development in the plan area. The proposed Specific Plan is consistent with this policy.

	Policy Numbers	Policy	Project Consistency
Goal TC-5: To provide safe, continuous, and accessible sidewalks and pedestrian facilities as a viable alternative transportation mode.			
	TC-5a	Sidewalks and curbs shall be required throughout residential subdivisions, including land divisions created through the parcel map process, where any residential lot or parcel size is 10,000 square feet or less.	Consistent with this policy, sidewalks and/or Class I multi-use paths are required by the Specific Plan on the majority of Plan Area streets.
	TC-5c	Roads adjacent to schools or parks shall have curbs and sidewalks.	The proposed Specific Plan roadway sections adjacent to parks include sidewalks and curbs. The proposed Specific Plan is consistent with this policy.
HOUSING ELEMENT			
General Housing Policies Goal HO-1: To provide for housing that meets the needs of existing and future residents in all income categories.			
	HO-1.1	When adopting or updating programs, procedures, or Specific Plans or other planning documents, the County shall ensure that the goals, policies, and implementation programs are developed with the consideration of achieving and maintaining the County's regional housing allocation.	The proposed Specific Plan provides low and medium density housing which helps to meet County RHNA goals. The proposed Specific Plan is consistent with this policy.
	HO-1.24	The County shall encourage 2nd Dwelling Units to provide housing that is affordable to very low, low and moderate income households.	Second dwelling units are allowed in select land use categories in the proposed Specific Plan. The proposed Specific Plan is consistent with this policy.
Goal HO-5: To increase the efficiency of energy and water use in new and existing homes.			
	HO-5.1	The County shall require all new dwelling units to meet current state requirements for energy efficiency and shall encourage the retrofitting of existing units.	The Specific Plan includes policies related to energy efficiency (Specific Plan policies 7.10 through 7.21). The proposed Specific Plan is consistent with this policy.
PUBLIC SERVICES & UTILITIES ELEMENT			
Goal 5.1: Provision of Public Services			
Objective 5.1.2: Concurrency			
	5.1.2.1	Prior to the approval of any discretionary development, the approving authority shall make a determination of the adequacy of the public services and utilities to be impacted by that development. Where, according to the purveyor responsible for the service or utility as provided in Table 5-1, demand is determined to exceed capacity, the approval of the development shall be conditioned to require expansion of the impacted facility or service to be available concurrent with the demand, mitigated, or a finding made that a CIP project is funded and authorized which will increase service capacity.	The impact analyses in Section 3.12, *Public Services and Utilities,* presents information supporting the type of finding required by this policy. The proposed Specific Plan is consistent with this policy.
	5.1.2.2	Provision of public services to new discretionary development shall not result in a reduction of service below minimum established standards to current users, pursuant to Table 5-1.	The impact analyses in Section 3.12, *Public Services and Utilities,* presents information supporting the type of finding required by this policy. The proposed Specific Plan is consistent with this policy.

	Policy Numbers	Policy	Project Consistency
Goal 5.2: Water Supply			
Objective 5.2.1: County-wide Water Resources Program			
	5.2.1.2	An adequate quantity and quality of water for all uses, including fire protection, shall be provided for with discretionary development.	A Water Supply Assessment was prepared for the proposed Specific Plan. The conclusion of the Water Supply Assessment was that water would be available as required. More information is provided in Section 3.12, *Public Services and Utilities*, Impacts PSU-3 and PSU-4. The proposed Specific Plan is consistent with this policy.
	5.2.1.3	All medium-density residential, high-density residential, multifamily residential, commercial, industrial and research and development projects shall be required to connect to public water systems when located within Community Regions and to either a public water system or to an approved private water systems in Rural Centers.	The proposed project is proposed to be connected to a public water system and would be served by the El Dorado Irrigation District. The proposed Specific Plan is consistent with this policy.
	5.2.1.4	Rezoning and subdivision approvals in Community Regions or other areas dependent on public water supply shall be subject to the availability of a permanent and reliable water supply.	A Water Supply Assessment was prepared for the proposed Specific Plan. The conclusion of the Water Supply Assessment was that water would be available as required. More information is provided in Section 3.12, *Public Services and Utilities,* Impact PSU-4. The proposed Specific Plan is consistent with this policy.
	5.2.1.6	Priority shall be given to discretionary developments that are infill or where there is an efficient expansion of the water supply delivery system.	As described in detail in Section 3.12, *Public Services and Utilities,* the project site is located near areas currently served by a public water system, and the proposed project is proposed to be connected to a public water system. The proposed Specific Plan is consistent with this policy.
	5.2.1.9	In an area served by a public water purveyor or an approved private water system, the applicant for a tentative map or for a building permit on a parcel that has not previously complied with this requirement must provide a Water Supply Assessment that contains the information that would be required if a water supply assessment were prepared pursuant to Water Code section 10910. In order to approve the tentative map or building permit for which the assessment was prepared the County must (a) find that by the time the first grading or building permit is issued in connection with the approval, the water supply from existing water supply facilities will be adequate to meet the highest projected demand associated with the approval on the lands in question; and (b) require that before the first grading permit or building permit is issued in connection with the approval, the applicant will have received a sufficient water meters or a comparable supply guarantee to provide adequate water supply to meet the projected demand associated with the entire approval. A water supply is adequate if the total entitled water supplies available during normal, single, dry, and multiple dry years within a 20-year projection will meet the highest projected demand associated with the approval, in addition to existing and 20-year projected future uses within the area served by the water supplier, including but not limited to, fire protection, agricultural, and industrial uses, 95% of the time, with cutbacks calculated not to exceed 20% in the remaining 5% of the time.	A Water Supply Assessment was prepared for the proposed Specific Plan. The conclusion of the Water Supply Assessment was that water would be available as required. More information is provided in Section 3.12, *Public Services and Utilities*, Impact PSU-4. The proposed Specific Plan is consistent with this policy.
	5.2.1.11	The County shall direct new development to areas where public water service already exists. In Community Regions, all new development shall connect to a public water system. In Rural Centers, all new development shall connect either to a public water system or to an approved private water system.	The proposed project is proposed to be connected to a public water system. The proposed Specific Plan is consistent with this policy.
	5.2.1.12	The County shall work with the El Dorado Irrigation District (EID) to support the continued and expanded use of recycled water, including wet-season use and storage, in new subdivisions served by the Deer Creek and El Dorado Hills Wastewater Treatment Plants. To avoid the construction impacts of installing recycled water facilities, the County shall encourage the construction of distribution lines at the same time as other utilities are installed. Facilities to consider are recycled water lines for residential landscaping, parks, schools, and other irrigation needs, and if feasible, wet-irrigation-season storage facilities.	The project may use recycled water. Consistency with this policy is addressed in Section 3.12, *Public Services and Utilities,* Impact PSU-4. The proposed Specific Plan is consistent with this policy.

	Policy Numbers	Policy	Project Consistency
Goal 5.3: Wastewater Collection and Treatment			
Objective 5.3.1: Wastewater Capacity			
	5.3.1.7	In Community Regions, all new development shall connect to public wastewater treatment facilities. In Community Regions where public wastewater collection facilities do not exist project applicants must demonstrate that the proposed wastewater disposal system can accommodate the highest possible demand of the project.	The project as proposed includes an extension of the El Dorado Hills Community Region and the plan area would be served by a public wastewater system. The proposed Specific Plan is consistent with this policy.
Goal 5.4: Storm Drainage			
Objective 5.4.1: Drainage and Flood Management Program			
	5.4.1.1	Require storm drainage systems for discretionary development that protect public health and safety, preserve natural resources, prevent erosion of adjacent and downstream lands, prevent the increase in potential for flood hazard or damage on either adjacent, upstream or downstream properties, minimize impacts to existing facilities, meet the National Pollution Discharge Elimination System (NPDES) requirements, and preserve natural resources such as wetlands and riparian areas.	The Specific Plan includes Policies 8.4 through 8.9 describe the stormwater quality protection requirements for the proposed project. As described in the LRVSP, the proposed stormwater system would consist of a balanced centralized and low impact development (LID) stormwater management system to capture and treat stormwater runoff. More information is provided in Section 3.8, *Hydrology, Water Quality, and Water Resources*. The proposed Specific Plan is consistent with this policy.
	5.4.1.2	Discretionary development shall protect natural drainage patterns, minimize erosion, and ensure existing facilities are not adversely impacted while retaining the aesthetic qualities of the drainage way.	The Specific Plan includes policies specifically directed to protecting natural drainage courses and riparian zones, including Policy 5.4, which requires that natural drainage courses shall be avoided and incorporated into the overall storm drainage system design, except where road, trail, or utility crossings would preclude this. More information is provided in Sections 3.3, *Biological Resources*, and 3.8, *Hydrology, Water Quality, and Water Resources*. The proposed Specific Plan is consistent with this policy.
Goal 5.5 Solid Waste			
Objective 5.5.2: Recycling, Transformation, and Disposal Facilities			
	5.5.2.1	Concurrent with the approval of new development, evidence will be required that capacity exists within the solid waste system for the processing, recycling, transformation, and disposal of solid waste.	As described in detail in Section 3.12, *Public Services and Utilities*, Impact PSU-6, capacity exists to serve the proposed project. The proposed Specific Plan is consistent with this policy.
Goal 5.6: Gas, Electric, and Other Utility Services			
Objective 5.6.1: Provide Utility Services			
	5.6.1.1	Promote and coordinate efforts with utilities for the undergrounding of existing and new utility distribution lines in accordance with current rules and regulations of the California Public Utility Commission and existing overhead power lines within scenic areas and existing Community Regions and Rural Centers.	The proposed Specific Plan requires that all utility distribution lines be located underground and therefore, is consistent with this policy.
	5.6.1.2	Reserve adequate rights-of-way to facilitate expansion of services in a timely manner.	Irrevocable offers of dedication of right-of-way will be offered to the County after the proposed Specific Plan is approved. The Specific Plan is consistent with this policy.
Objective 5.6.2: Encourage Energy-Efficient Development			
	5.6.2.1	Require energy conserving landscaping plans for all projects requiring design review or other discretionary approval.	To save energy and water, the proposed Specific Plan requires the use of drought tolerant landscaping (Specific

	Policy Numbers	Policy	Project Consistency
			Plan Policy 7.40). The Specific Plan is consistent with this policy.
	5.6.2.2	All new subdivisions should include design components that take advantage of passive or natural summer cooling and/or winter solar access, or both, when possible.	The proposed Specific Plan encourages passive natural summer cooling and winter solar access, or both, when feasible.
Goal 5.7: Emergency Services			
Objective 5.7.1: Fire Protection (Community Regions)			
	5.7.1.1	Prior to approval of new development, the applicant will be required to demonstrate that adequate emergency water supply, storage, conveyance facilities, and access for fire protection either are or will be provided concurrent with development.	The impact analyses in Section 3.12, *Public Services and Utilities,* presents information supporting the type of finding required by this policy. The proposed Specific Plan is consistent with this policy.
Objective 5.7.3: Law Enforcement			
	5.7.3.1	Prior to approval of new development, the Sheriff's Department shall be requested to review all applications to determine the ability of the department to provide protection services. The ability to provide protection to existing development shall not be reduced below acceptable levels as a consequence of new development. Recommendations such as the need for additional equipment, facilities, and adequate access may be incorporated as conditions of approval.	Section 3.12, *Public Services and Utilities* presents information on the Sheriff's department review of the ability to provide protection services. Impact PSU-1 notes that the project will not reduce protection levels. The proposed Specific Plan is consistent with this policy.
Objective 5.7.4: Medical Emergency Services			
	5.7.4.1	Prior to approval of new development, the applicant shall be required to demonstrate that adequate medical emergency services are available and that adequate emergency vehicle access will be provided concurrent with development.	Section 3.12, *Public Services and Utilities,* Impact PSU-1, presents information regarding the adequacy of emergency services. Specific Plan policies 4.2, 4.3, 4.4, 5.20, and 5.42 address emergency vehicle access. The proposed Specific Plan is consistent with this policy.
	5.7.4.2	Prior to approval of new development, the Emergency Medical Services Agency shall be requested to review all applications to determine the ability of the department to provide protection services. The ability to provide protection to existing development shall not be reduced below acceptable levels as a consequence of new development. Recommendations such as the need for additional equipment, facilities, and adequate access may be incorporated as conditions of approval.	Section 3.12, *Public Services and Utilities,* Impact PSU-1, presents information regarding the adequacy of emergency services. Objective 6.3 ensures that that adequate public services, such as law enforcement and fire protection exist to serve the plan area. The proposed Specific Plan is consistent with this policy.
Goal 5.8: School Services			
Objective 5.8.1: School Capacity			
	5.8.1.1	School districts affected by a proposed development shall be relied on to evaluate the development's adverse impacts on school facilities or the demand therefor. No development that will result in such impacts shall be approved unless: 1. To the extent allowed by State law, the applicant and the appropriate school district(s) have entered into a written agreement regarding the mitigation of impacts to school facilities; or 2. The impacts to school facilities resulting from the development are mitigated, through conditions of approval, to the greatest extent allowed by State law.	The impact analyses in Section 3.12, *Public Services and Utilities,* Impact PSU-1, presents information supporting the type of finding required by this policy. The proposed Specific Plan is consistent with this policy.

	Policy Numbers	Policy	Project Consistency
PUBLIC HEALTH, SAFETY & NOISE ELEMENT			
Goal 6.2: Fire Hazards			
Objective 6.2.2: Limitations to Development			
	6.2.2.1	Fire Hazard Severity Zone Maps shall be consulted in the review of all projects so that standards and mitigation measures appropriate to each hazard classification can be applied. Land use densities and intensities shall be determined by mitigation measures in areas designated as high or very high fire hazard.	The project site is located within designated high and very high fire hazard severity zones. Specific Plan policies 5.20-2, 5.47, and 6.18 address wildfire hazards. More information is provided in Section 3.7, *Hazards and Hazardous Materials*, Impact HAZ-8.
	6.2.2.2	The County shall preclude development in areas of high and very high wildland fire hazard or in areas identified as wildland-urban interface (WUI) communities within the vicinity of Federal lands that are a high risk for wildfire, as listed in the Federal Register Executive Order 13728 of May 18, 2016, unless such development can be adequately protected from wildland fire hazard, as demonstrated in a WUI Fire Safe Plan prepared by a qualified professional as approved by the El Dorado County Fire Prevention Officers Association. The WUI Fire Safe Plan shall be approved by the local Fire Protection District having jurisdiction and/or California Department of Forestry and Fire Protection. (Resolution 124-2019, August 6, 2019)	The project site is located within designated high and very high fire hazard severity zones. Specific Plan policy 5.47 requires preparation of a Wildfire Safety Plan to be reviewed and approved by CAL FIRE. More information is provided in Section 3.7, *Hazards and Hazardous Materials*.
Objective 6.2.3: Adequate Fire Protection			
	6.2.3.1	As a requirement for approving new development, the County must find, based on information provided by the applicant and the responsible fire protection district that, concurrent with development, adequate emergency water flow, fire access, and firefighting personnel and equipment will be available in accordance with applicable State and local fire district standards.	The impact analyses in Section 3.12, *Public Services and Utilities,* Impact PSU-1 and Section 3.7, *Hazards and Hazardous Materials*, HAZ-8, present information supporting the type of finding required by this policy. The proposed Specific Plan is consistent with this policy.
	6.2.3.2	As a requirement of new development, the applicant must demonstrate that adequate access exists, or can be provided to ensure that emergency vehicles can access the site and private vehicles can evacuate the area.	The proposed Specific Plan is consistent with this policy; a discussion is provided in Section 3.7, *Hazards and Hazardous Materials,* impact HAZ-7. The proposed Specific Plan circulation system provides adequate access for emergency vehicles
	6.2.3.4	All new development and public works projects shall be consistent with applicable State Wildland Fire Standards and other relevant State and federal fire requirements.	The proposed Specific Plan is consistent with this policy; a discussion is provided in Section 3.7, *Hazards and Hazardous Materials*, Impact HAZ-8.
Objective 6.2.4: Area-wide Fuel Management Program			
	6.2.4.1	Discretionary development within high and very high fire hazard areas shall be conditioned to designate fuel break zones that comply with fire safe requirements to benefit the new and, where possible, existing development.	The proposed Specific Plan is consistent with this policy; a discussion is provided in Section 3.7, *Hazards and Hazardous Materials*, Impact HAZ-8.
	6.2.4.2	The County shall cooperate with the California Department of Forestry and Fire Protection and local fire protection districts to identify opportunities for fuel breaks in zones of high and very high fire hazard either prior to or as a component of project review.	The proposed Specific Plan is consistent with this policy; a discussion is provided in Section 3.7, *Hazards and Hazardous Materials*, Impact HAZ-8.

	Policy Numbers	Policy	Project Consistency
Goal 6.3: Geologic and Seismic Hazards			
Objective 6.3.1: Building and Site Standards			
	6.3.1.1	The County shall require that all discretionary projects and all projects requiring a grading permit, or a building permit that would result in earth disturbance, that are located in areas likely to contain naturally occurring asbestos (based on mapping developed by the California Department of Conservation [DOC]) have a California-registered geologist knowledgeable about asbestos-containing formations inspect the project area for the presence of asbestos using appropriate test methods. The County shall amend the Erosion and Sediment Control Ordinance to include a section that addresses the reduction of thresholds to an appropriate level for grading permits in areas likely to contain naturally occurring asbestos (based on mapping developed by the DOC). The Department of Transportation and the County Air Quality Management District shall consider the requirement of posting a warning sign at the work site in areas likely to contain naturally occurring asbestos based on the mapping developed by the DOC.	Specific Plan policy 5.1 requires that construction activities within an Asbestos Review Area adhere to El Dorado County AQMD Rule 223-2 – Fugitive Dust Asbestos Hazard Mitigation and Asbestos Hazard Mitigation and require preparation and approval of an Asbestos Dust Mitigation Plan prior to ground disturbing activities. Consistency with this policy is addressed in Section 3.2, *Air Quality*, Impact AQ-3b and mitigation measure AQ-3a, and Section 3.7, *Hazards and Hazardous Materials*, Impacts HAZ-2 and HAZ-9. The proposed Specific Plan is consistent with this policy.
Objective 6.3.2: County-wide Seismic Hazards			
	6.3.2.5	Applications for development of habitable structures shall be reviewed for potential hazards associated with steep or unstable slopes, areas susceptible to high erosion, and avalanche risk. Geotechnical studies shall be required when development may be subject to geological hazards. If hazards are identified, applicants shall be required to mitigate or avoid identified hazards as a condition of approval. If no mitigation is feasible, the project will not be approved.	A discussion is provided in Section 3.5, *Geology, Soils, Minerals, and Paleontological Resources*, Impacts GEO-3, GEO-4, and GEO-5. Implementation of Mitigation Measures GE0-3a, GEO-3b, GEO-3c, and GEO-4 will ensure that the proposed Specific Plan is consistent with this policy.
Goal 6.4: Flood Hazards			
Objective 6.4.1: Development Regulations			
	6.4.1.3	No new critical or high occupancy structures (e.g., schools, hospitals) shall be located in the 100-year floodplain of any river, stream, or other body of water.	No critical or high occupancy structures in the proposed Specific Plan area are proposed for areas within the 100-year flood plain. The proposed Specific Plan is consistent with this policy.
	6.4.1.4	Creation of new parcels which lie entirely within the 100-year floodplain as identified on the most current version of the flood insurance rate maps provided by FEMA or dam failure inundation areas as delineated in dam failure emergency response plans maintained by the County shall be prohibited.	The proposed Specific Plan is consistent with this policy; a discussion of floodplains and dam failure can be found in Section 3.8, Hydrology, *Water Quality, and Water Resources,* Impacts WQ-3iv and WQ-6.
	6.4.1.5	New parcels which are partially within the 100-year floodplain or dam failure inundation areas as delineated in dam failure emergency response plans maintained by the County must have sufficient land available outside the FEMA or County designated 100-year floodplain or the dam inundation areas for construction of dwelling units, accessory structures, and septic systems. Discretionary applications shall be required to determine the location of the designated 100-year floodplain and identified dam failure inundation areas on the subject property.	The proposed Specific Plan is consistent with this policy; a discussion is provided in Section 3.8, Hydrology, *Water Quality, and Water Resources,* Impacts WQ-3iv and WQ-6.
Objective 6.4.2: Dam Failure Inundation			
	6.4.2.1	Apply a zoning overlay for areas located within dam failure inundation zones as identified by the State Department of Water Resources Division of Safety of Dams.	As discussed in Section 3.8, *Hydrology, Water Quality, and Water Resources*, Deer Creek within the project area may be inundated in the event of failure of the dam at Cameron Park Lake. However, this reach is within an area that would remain as open space under the proposed project. Therefore, the Specific Plan is consistent with this policy.
Goal 6.5: Acceptable Noise Levels			
Objective 6.5.1: Protection of Noise-Sensitive Development			

	Policy Numbers	Policy	Project Consistency
	6.5.1.1	Where noise-sensitive land uses are proposed in areas exposed to existing or projected exterior noise levels exceeding the levels specified in Table 6-1 or the performance standards of Table 6-2, an acoustical analysis shall be required as part of the environmental review process so that noise mitigation may be included in the project design.	Noise mitigation design is addressed in Section 3.10, *Noise*, Impacts NOI-1a and NOI-1b. Implementation of mitigation measures NOI-1a and NOI-1b will ensure that the proposed Specific Plan is consistent with this policy.
	6.5.1.3	Where noise mitigation measures are required to achieve the standards of Tables 6-1 and 6-2, the emphasis of such measures shall be placed upon site planning and project design. The use of noise barriers shall be considered a means of achieving the noise standards only after all other practical design-related noise mitigation measures have been integrated into the project and the noise barriers are not incompatible with the surroundings.	Noise mitigation measures identified in Section 3.10, *Noise* include construction of solid noise barriers and/or landscaped earthen berms between noise sources and receivers where setbacks are not adequate with respect to reducing noise to acceptable levels. Implementation of mitigation measures NOI-1a and NOI-1b will ensure that the proposed Specific Plan is consistent with this policy.
	6.5.1.5	Setbacks shall be the preferred method of noise abatement for residential projects located along U.S. Highway 50. Noise walls shall be discouraged within the foreground viewshed of U.S. Highway 50 and shall be discouraged in favor of less intrusive noise mitigation (e.g., landscaped berms, setbacks) along other high volume roadways.	The proposed Specific Plan proposes no residential uses along US 50.
	6.5.1.6	New noise-sensitive uses shall not be allowed where the noise level, due to non-transportation noise sources, will exceed the noise level standards of Table 6-2 unless effective noise mitigation measures have been incorporated into the development design to achieve those standards.	As discussed in Section 3.10, *Noise*, implementation of proposed mitigation measures will ensure that noise sensitive uses proposed as a part of the project would not be exposed to noise above the standards. The proposed Specific Plan is consistent with this policy.
	6.5.1.7	Noise created by new proposed non-transportation noise sources shall be mitigated so as not to exceed the noise level standards of Table 6-2 for noise-sensitive uses.	Non-transportation noise source mitigation is addressed in Section 3.10, *Noise*, Impact NOI-1c. Implementation of mitigation measures NOI-1a, NOI-1b and NOI-1c will ensure that the proposed Specific Plan is consistent with this policy.
	6.5.1.8	New development of noise sensitive land uses will not be permitted in areas exposed to existing or projected levels of noise from transportation noise sources which exceed the levels specified in Table 6-1 unless the project design includes effective mitigation measures to reduce exterior noise and noise levels in interior spaces to the levels specified in Table 6-1.	Project design noise mitigation measures are addressed in Section 3.10, *Noise,* Impact NOI-1b. Implementation of mitigation measure NOI-1b will ensure that the proposed Specific Plan is consistent with this policy.
	6.5.1.9	Noise created by new transportation noise sources, excluding airport expansion but including roadway improvement projects, shall be mitigated so as not to exceed the levels specified in Table 6-1 at existing noise-sensitive land uses.	New transportation noise sources are addressed in Section 3.10, *Noise,* Impact NOI-1b. Implementation of mitigation measure NOI-1b will ensure that the proposed Specific Plan is consistent with this policy.
	6.5.1.12	When determining the significance of impacts and appropriate mitigation for new development projects, the following criteria shall be taken into consideration. A. Where existing or projected future traffic noise levels are less than 60 dBA Ldn at the outdoor activity areas of residential uses, an increase of more than 5 dBA Ldn caused by a new transportation noise source will be considered significant; B. Where existing or projected future traffic noise levels range between 60 and 65 dBA Ldn at the outdoor activity areas of residential uses, an increase of more than 3 dBA Ldn caused by a new transportation noise source will be considered significant; and C. Where existing or projected future traffic noise levels are greater than 65 dBA Ldn at the outdoor activity areas of residential uses, an increase of more than 1.5 dBA Ldn caused by a new transportation noise will be considered significant.	Mitigation determination is addressed in Section 3.10, *Noise,* Impact NOI-1b. Implementation of mitigation measure NOI-1b will ensure that the proposed Specific Plan is consistent with this policy
	6.5.1.13	When determining the significance of impacts and appropriate mitigation to reduce those impacts for new development projects, including ministerial development, the following criteria shall be taken into consideration: A. In areas in which ambient noise levels are in accordance with the standards in Table 6-2, increases in ambient noise levels caused by new non-transportation noise sources that exceed 5 dBA shall be considered significant; and B. In areas in which ambient noise levels are not in accordance with the standards in Table 6-2, increases in ambient noise levels caused by new non-transportation noise sources that exceed 3 dBA shall be considered significant.	Mitigation determination is addressed in Section 3.10, *Noise*, Impact NOI-1c. Implementation of mitigation measures NOI-1a, NOI-1b and NOI-1c will ensure that the proposed Specific Plan is consistent with this policy.

	Policy Numbers	Policy	Project Consistency
Goal 6.6: Management of Hazardous Materials			
Objective 6.6.1: Regulation of Hazardous Materials			
	6.6.1.2	Prior to the approval of any subdivision of land or issuing of a permit involving ground disturbance, a site investigation, performed by a Registered Environmental Assessor or other person experienced in identifying potential hazardous wastes, shall be submitted to the County for any subdivision or parcel that is located on a known or suspected contaminated site included in a list on file with the Environmental Management Department as provided by the State of California and federal agencies. If contamination is found to exist by the site investigations, it shall be corrected and remediated in compliance with applicable laws, regulations, and standards prior to the issuance of a new land use entitlement or building permit.	Site investigations of hazardous wastes is addressed in Section 3.7, *Hazards and Hazardous Materials*, Impact HAZ-2. Implementation of mitigation measure HAZ-2a will ensure that the proposed Specific Plan is consistent with this policy.
Goal 6.7: Air Quality Maintenance			
Objective 6.7.4: Project Design and Mixed Uses			
	6.7.4.2	Promote the development of new residential uses within walking or bicycling distance to the County's larger employment centers.	Bike paths are proposed in the Specific Plan to be provided. More discussion of this issue is provided in Section 3.14, *Transportation and Circulation*.
	6.7.4.4	All discretionary development applications shall be reviewed to determine the need for pedestrian/bike paths connecting to adjacent development and to common service facilities (e.g., clustered mail boxes, bus stops, etc.).	The proposed Specific Plan is consistent with this policy; more discussion of this issue is provided in Section 3.14, *Transportation and Circulation*, Impact TRA-1. Specific Plan policies 4.1, 4.6, 4.7, and 6.2 address use of pedestrian and bicycle paths and trails to connect common services and facilities.
	6.7.4.6	The County shall regulate wood-burning fireplaces and stoves in all new development. Environmental Protection Agency (EPA)-approved stoves and fireplaces burning natural gas or propane are allowed. The County shall discourage the use of non-certified wood heaters and fireplaces during periods of unhealthy air quality.	The proposed Specific Plan is consistent with this policy; Specific Plan policies 7.45 and 7.46 regulate installation of wood-burning fireplaces.
Objective 6.7.6: Air Pollution-Sensitive Land Uses			
	6.7.6.1	Ensure that new facilities in which sensitive receptors are located (e.g., schools, child care centers, playgrounds, retirement homes, and hospitals) are sited away from significant sources of air pollution.	The proposed Specific Plan is consistent with this policy; a discussion is provided in Section 3.2, *Air Quality*, Impacts AQ-3a, AQ-3b, and AQ-3c, which concluded that impacts to sensitive receptors would be less than significant or less than significant after implementation of mitigation measures AQ-2a, AQ-2b, AQ-2c, AQ-2d, and AQ-3a.
	6.7.6.2	New facilities in which sensitive receptors are located (e.g. residential subdivisions, schools, childcare centers, playgrounds, retirement homes, and hospitals) shall be sited away from significant sources of air pollution.	A discussion is provided in Section 3.2, *Air Quality*. Impact AQ-3a concluded that impacts to sensitive receptors would be significant and unavoidable even with implementation of mitigation; and Impacts AQ-3b, AQ-3c, and AQ-5 would be less than significant after implementation of mitigation measures AQ-2a, AQ-2b, AQ-2c, and AQ-2d.
Objective 6.7.7: Construction Related, Short-Term Emissions			
	6.7.7.1	The County shall consider air quality when planning the land uses and transportation systems to accommodate expected growth, and shall use the recommendations in the most recent version of the El Dorado County Air Quality Management (AQMD) *Guide to Air Quality Assessment: Determining Significance of Air Quality Impacts Under the California Environmental Quality Act*, to analyze potential air quality impacts (e.g., short-term construction, long-term operations, toxic and odor-related emissions) and to require feasible mitigation requirements for such impacts. The County shall also consider any new information or technology that becomes available prior to periodic updates of the Guide. The County shall encourage actions (e.g., use of light-colored roofs and retention of trees) to help mitigate heat island effects on air quality.	The proposed Specific Plan is consistent with this policy. An evaluation of air emissions from the project is provided in Section 3.2, *Air Quality*. With implementation of Mitigation Measures AQ-2a, AQ-2b, and AQ-2c, the project would be consistent with EDCAQMD rules and regulations. The Specific Plan contains a number of policies related to reducing heat island effects, including use of cool pavement and retention of trees.

	Policy Numbers	Policy	Project Consistency
CONSERVATION & OPEN SPACE ELEMENT			
Goal 7.1: Soil Conservation			
Objective 7.1.1: Soils			
	7.1.1.1	Conserve and maintain important agricultural soils for existing and potential agricultural and forest uses by limiting non-agricultural/non-forestry development on those soils.	The proposed Specific Plan is consistent with this policy; as discussed in Section 3.9, *Land Use Planning and Agricultural* Resources, Impacts LU-4 and LU-5, the Specific Plan contains no important agricultural soils.
Objective 7.1.2: Erosion/Sedimentation			
	7.1.2.1	Development or disturbance of slopes over 30% shall be restricted. Standards for implementation of this policy, including but not limited to exceptions for access, reasonable use of the parcel, and agricultural uses shall be incorporated into the Zoning Ordinance.	The proposed Specific Plan is consistent with this policy; as discussed in Section 3.5, *Geology, Soils, Minerals, and Paleontological Resources*, non-development areas have been established where the slope is steeper than 30%.
	7.1.2.2	Discretionary and ministerial projects that require earthwork and grading, including cut and fill for roads, shall be required to minimize erosion and sedimentation, conform to natural contours, maintain natural drainage patterns, minimize impervious surfaces, and maximize the retention of natural vegetation. Specific standards for minimizing erosion and sedimentation shall be incorporated into the Zoning Ordinance.	The proposed Specific Plan is consistent with this policy; Specific Plan Policies 5.7 and 7.43 describe storm water best management practices and LID design strategies to prevent erosion and discussions of soil erosion and creation of a Stormwater Pollution Prevention Plan are provided in Section 3.5, *Geology, Soils, Minerals, and Paleontological Resources*, Impact GEO-2.
Goal 7.3: Water Quality and Quantity			
Objective 7.3.1: Water Resource Protection			
	7.3.1.1	Encourage the use of Best Management Practices, as identified by the Soil Conservation Service, in watershed lands as a means to prevent erosion, siltation, and flooding.	The Specific Plan is consistent with this policy; Specific Plan policies 5.5, 5.7 and 7.43 address means to prevent erosion and siltation. This is further discussed in Section 3.8, *Hydrology and Water Quality*.
Objective 7.3.2: Water Quality			
	7.3.2.1	Stream and lake embankments shall be protected from erosion, and streams and lakes shall be protected from excessive turbidity.	Impacts of erosion and water quality are described in Section 3.8, *Hydrology, Water Quality, and Water Resources*, Impacts WQ-3iii and WQ-6. The proposed Specific Plan is consistent with this policy with implementation of mitigation measures GEO-3d, BIO-1a, BIO-1b, BIO-1c, BIO-3a, BIO-3b, and BIO-4.
	7.3.2.2	Projects requiring a grading permit shall have an erosion control program approved, where necessary.	The Specific Plan is consistent with this policy; Specific Plan policies 5.5, 5.7 and 7.43 address means to prevent erosion and siltation. This is further discussed in Section 3.8, *Hydrology and Water Quality*. A Stormwater Pollution Prevention Plan will be prepared for the proposed Specific Plan.
	7.3.2.3	Where practical and when warranted by the size of the project, parking lot storm drainage shall include facilities to separate oils and salts from storm water in accordance with the recommendations of the Storm Water Quality Task Force's California Storm Water Best Management Practices Handbooks (1993).	The proposed Specific Plan is consistent with this policy; a discussion of a Stormwater Pollution Prevention Plan is provided in Section 3.5, *Geology, Soils, Minerals, and Paleontological Resources*.

	Policy Numbers	Policy	Project Consistency
Objective 7.3.3: Wetlands			
	7.3.3.1	For projects that would result in the discharge of material to or that may affect the function and value of river, stream, lake, pond, or wetland features, the application shall include a delineation of all such features. For wetlands, the delineation shall be conducted using the U.S. Army Corps of Engineers (USACE) Wetland Delineation Manual.	Impacts to the function and value of waters are discussed in Section 3.3, *Biological Resources*, Impacts BIO-3 and BIO-4. The proposed Specific Plan is consistent with this policy with implementation of mitigation measures BIO-1a, BIO-1b, BIO-1c, BIO-3a, BIO-3b, and Bio-4.
	7.3.3.5	Rivers, streams, lakes and ponds, and wetlands shall be integrated into new development in such a way that they enhance the aesthetic and natural character of the site while disturbance to the resource is avoided or minimized and fragmentation is limited.	The proposed Specific Plan is consistent with this policy; preservation of wetlands is addressed in Specific Plan policy 5.9, preservation of Deer Creek is addressed in Specific Plan policy 5.14, and development integration is addressed in Specific Plan policies 5.11 and 5.12.
Objective 7.3.4: Drainage			
	7.3.4.1	Natural watercourses shall be integrated into new development in such a way that they enhance the aesthetic and natural character of the site without disturbance.	The proposed Specific Plan is consistent with this policy; preservation of Deer Creek is addressed in Specific Plan Policy 5.14 and development integration is addressed in Specific Plan policies 5.11 and 5.12.
	7.3.4.2	Modification of natural stream beds and flow shall be regulated to ensure that adequate mitigation measures are utilized.	The proposed Specific Plan is consistent with this policy; preservation of Deer Creek in its natural state is addressed in Specific Plan policy 5.14.
Objective 7.3.5: Water Conservation			
	7.3.5.1	Drought-tolerant plant species, where feasible, shall be used for landscaping of commercial development. Where the use of drought-tolerant native plant species is feasible, they should be used instead of non-native plant species.	The proposed Specific Plan is consistent with this policy; Specific Plan policy 7.40 requires the use of drought tolerant and native plant species in a minimum of 75% of the Plan Area.
	7.3.5.4	Require efficient water conveyance systems in new construction. Establish a program of ongoing conversion of open ditch systems shall be considered for conversion to closed conduits, reclaimed water supplies, or both, as circumstances permit.	The proposed Specific Plan is consistent with this policy; Specific Plan policy 7.37 addresses creation of a backbone recycled water system for landscaping.
	7.3.5.5	Encourage water reuse programs to conserve raw or potable water supplies consistent with State Law.	The proposed Specific Plan is consistent with this policy; Specific Plan policy 7.37 addresses creation of a backbone recycled water system for parks, schools and landscaped corridors.
Goal 7.4: Wildlife and Vegetation Resources			
Objective 7.4.1: Rare, Threatened, and Endangered Species			
Objective 7.4.2: Identify and Protect Resources			
	7.4.2.3	Consistent with Policy 9.1.3.1 of the Parks and Recreation Element, low impact uses such as trails and linear parks may be provided within river and stream buffers if all applicable mitigation measures are incorporated into the design.	Relevant mitigation measures are presented in Section 3.3, Biological Resources Impact BIO-2 and Mitigation Measures BIO-1a, BIO-1b, and BIO-1c. Specific Plan policy 5.5 states: “Trails located within open space corridors and areas shall be designed to include soil erosion control measures to minimize sedimentation of nearby creeks and maintain the natural state of drainage courses” and Specific Plan policy 5.22 states: “Class I multi use paths and other paved and unpaved trails may be constructed near Deer Creek, including 100-year floodplain areas, in the OS1-PD and OS2-PD open space

	Policy Numbers	Policy	Project Consistency
			zones consistent with the Plan Area Open Space Management & Wildfire Protection Plan".
	7.4.2.4	Protect and preserve wildlife habitat corridors within public parks and natural resource protection areas to allow for wildlife use. Recreational uses within these areas shall be limited to those activities that do not require grading or vegetation removal.	Conservation of wildlife corridors is provided in Section 3.3, *Biological Resources*, Impact BIO-15. Implementation of mitigation measures BIO-1d, BIO-1e, and BIO-15 would ensure that the proposed Specific Plan would be consistent with this policy
	7.4.2.8	Conserve contiguous blocks of important habitat to offset the effects of increased habitat loss and fragmentation elsewhere in the County through a Biological Resource Mitigation Program (Program). The Program will result in the conservation of: 1. Habitats that support special status species; 2. Aquatic environments including streams, rivers, and lakes; 3. Wetland and riparian habitat; 4. Important habitat for migratory deer herds; and 5. Large expanses of native vegetation. A. Habitat Protection Strategy. The Program establishes mitigation ratios to offset impacts to special-status species habitat and special-status vegetation communities within the County. Special-status species include plants and animals in the following categories: • Species listed or proposed for listing as Threatened or Endangered under the federal Endangered Species Act (ESA) or the California Endangered Species Act (CESA); • Species considered as candidates for listing as Threatened or Endangered under ESA or CESA; • Wildlife species identified by California Department of Fish and Wildlife (CDFW) as Species of Special Concern; • Wildlife species identified by US Fish and Wildlife Service (USFWS) and National Marine Fisheries Service (NMFS) as Species of Concern; • Plants listed as Endangered or Rare under the California Native Plant Protection Act; • Animals fully protected under the California Fish and Game Code; • Plants that have a California Native Plant Society (CNPS) California Rare Plant Rank (CRPR) of 1A (plants presumed extirpated in California and either rare or extinct elsewhere), 1B (plants rare, threatened, or endangered in California and elsewhere), 2A (plants presumed extirpated in California, but more common elsewhere), or 2B (plants rare, threatened, or endangered in California, but more common elsewhere). The CNPS CRPRs are used by both CDFW and USFWS in their consideration of formal species protection under ESA or CESA. C. Biological Resources Assessment. A site-specific biological resources technical report will be required to determine the presence of special-status biological resources that may be affected by a proposed discretionary project. Vegetation communities and special-status plants shall be mapped and assessed in accordance with the CDFG 2009 Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Natural Communities and subsequent updates, and the List of Vegetation Alliances and Associations (CDFG 2010) and subsequent updates. Any surveys conducted to evaluate potential presence of special-status wildlife species shall conform to practices recommended by CDFW and/or USFWS at the time of the surveys. The report will include an assessment of direct, indirect and cumulative impacts to biological resources, including vegetation communities, plant and wildlife species and wildlife movement. The report shall include recommendations for: • pre-construction surveys and avoidance/protection measures for nesting birds; • pre-construction surveys and avoidance/protection measures for roosting bats; • avoidance and minimization measures to reduce impacts related to entrapment, entanglement, injury, or poisoning of wildlife; and avoidance and minimization measures to reduce indirect impacts to wildlife in open space adjacent to a project site. The results of the biological resources technical report shall be used as the basis for establishing mitigation requirements in conformance with this policy and the Oak Resources Management Plan (ORMP, see General Plan Policy 7.4.4.4).	Conservation of wildlife corridors is provided in Section 3.3, *Biological Resources*, Impact BIO-15. Implementation of mitigation measures BIO-1d, BIO-1e, and BIO-15 would ensure that the proposed Specific Plan would be consistent with this policy. Discussions of specific species and habitat preservation strategies are provided in Section 3.3, *Biological Resources*, Impacts BIO-1, BIO-2, BIO-5, and BIO-6 through BIO-13. Implementation of mitigation measures identified in Section 3.3 would ensure that the proposed Specific Plan would be consistent with this policy.

	Policy Numbers	Policy	Project Consistency
Objective 7.4.4: Forest, Oak Woodland, and Tree Resources			
	7.4.4.2	Through the review of discretionary projects, the County, consistent with any limitations imposed by State law, shall encourage the protection, planting, restoration, and regeneration of native trees in new developments and within existing communities.	The proposed Specific Plan is consistent with this policy; Specific Plan Oak Woodland policies (Policies 5.30 through 5.35) require the conservation and protection in perpetuity of approximately 209 acres of existing oak woodlands and the preparation of an Oak Woodland Tree Preservation Plan.
	7.4.4.3	Utilize the clustering of development to retain the largest contiguous areas of forests and oak woodlands possible.	The proposed Specific Plan is consistent with this policy; the Specific Plan clusters development on the site and provides open space areas for the retention of oak woodlands.
	7.4.4.4	For all new development projects or actions that result in impacts to oak woodlands and/or individual native oak trees, including Heritage Trees, the County shall require mitigation as outlined in the El Dorado County Oak Resources Management Plan (ORMP). The ORMP functions as the oak resources component of the County's biological resources mitigation program, identified in Policy 7.4.2.8.	The proposed Specific Plan is consistent with this policy; Section 5 of the Specific Plan details how the plan is consistent with and complies with this policy. Project specific analysis is provided in Impact BIO-1 in Section 3.3, *Biological Resources*, of this EIR.
	7.4.4.5	Where existing individual or a group of oak trees are lost within a stand, a corridor of oak trees shall be retained that maintains continuity between all portions of the stand. The retained corridor shall have a tree density that is equal to the density of the stand.	The proposed Specific Plan is consistent with this policy; Section 5 of the Specific Plan details how the plan is consistent with and complies with this policy.
Goal 7.5: Cultural Resources			
Objective 7.5.1: Protection of Cultural Heritage			
	7.5.1.3	Cultural resource studies (historic, prehistoric, and paleontological resources) shall be conducted prior to approval of discretionary projects. Studies may include, but are not limited to, record searches through the North Central Information Center at California State University, Sacramento, the Museum of Paleontology, University of California, Berkeley, field surveys, subsurface testing, and/or salvage excavations. The avoidance and protection of sites shall be encouraged.	The proposed Specific Plan is consistent with this policy. Cultural resource studies have been prepared for the proposed Specific Plan. More information is provided in Section 3.4, *Cultural Resources*.
Objective 7.5.2: Visual Integrity			
	7.5.2.4	The County shall prohibit the modification of all National Register of Historic Places (NRHP)/California Register of Historical Resources (CRHR) listed properties that would alter their integrity, historic setting, and appearance to a degree that would preclude their continued listing on these registers. If avoidance of such modifications on privately owned listed properties is deemed infeasible, mitigation measures commensurate with NRHP/CRHR standards shall be formulated in cooperation with the property owner.	The proposed Specific Plan is consistent with this policy; Specific Plan policy 5.36 addresses development of avoidance and mitigation plans to prevent significant impacts to listed properties.
	7.5.2.5	In cases where the County permits the demolition or alteration of an historic building, such alteration or new construction (subsequent to demolition) shall be required to maintain the character of the historic building or replicate its historic features.	The proposed Specific Plan is consistent with this policy. It will preserve historic buildings located on the site where feasible, although some historic built environment elements will not be retained. More information is provided in Section 3.4, *Cultural Resources*.
Goal 7.6: Open Space Conservation			
Objective 7.6.1: Importance of Open Space			
	7.6.1.2	The County will provide for Open Space lands through: A. The designation of land as Open Space; B. The designation of land for low-intensity land uses as provided in the Rural Residential and Natural Resource land use designations; C. Local implementation of the Federal Emergency Management Agency's National Flood Insurance Program; D. Local implementation of the State Land Conservation Act Program; and E. Open space land set aside through Planned Developments (PDs).	The proposed Specific Plan is consistent with this policy. The Specific Plan includes designation of Open Space areas.

	Policy Numbers	Policy	Project Consistency
	7.6.1.4	The creation of new open space areas, including Ecological Preserves, common areas of new subdivisions, and recreational areas, shall include wildfire safety planning.	The proposed Specific Plan is consistent with this policy. It requires the preparation of an Open Space Management and Wildfire Protection Plan. More information is provided in Section 3.7, *Hazards and Hazardous Materials*, Impact HAZ-8.
PARKS & RECREATION ELEMENT			
Goal 9.1: Parks and Recreation Facilities			
Objective 9.1.1: Park Acquisition and Development			
	9.1.1.1	The County shall assist in the development of regional, community, and neighborhood parks, ensure a diverse range of recreational opportunities at a regional, community, and neighborhood level, and provide park design guidelines and development standards for park development. The following national standards shall be used as guidelines for the acquisition and development of park facilities: The parkland dedication/in-lieu fees shall be directed towards the purchase and funding of neighborhood and community parks.	The proposed Specific Plan is consistent with this policy; a discussion of neighborhood and local parks that satisfy the dedication requirement of 5.0 acres park land per 1,000 population is provided in Section 3.13, *Recreation*, Impact REC-1.
	9.1.1.2	Neighborhood parks shall be primarily focused on serving walk-to or bike-to recreation needs. When possible, neighborhood parks should be adjacent to schools. Neighborhood parks are generally 2 to 10 acres in size and may include a playground, tot lot, turf areas, and picnic facilities.	Consistency with this policy is addressed in Section 3.13, *Recreation*. Implementation of Mitigation Measure REC-1 will ensure that the project is consistent with this policy.
	9.1.1.5	Parkland dedicated under the Quimby Act must be suitable for active recreation uses and: A. Shall have a maximum average slope of 10 percent; B. Shall have sufficient access for a community or neighborhood park; and C. Shall not contain significant constraints that would render the site unsuitable for development.	The proposed Specific Plan is consistent with this policy; park sites meet the criteria outlined in Policy 9.1.1.5. More discussion is provided in Section 3.13, *Recreation*.
Objective 9.1.2: County Trails			
	9.1.2.4	Evaluate every discretionary application as well as public facilities planning with regard to their ability to implement the *Hiking and Equestrian Trails Master Plan* and the *Bikeway Master Plan*.	The proposed Specific Plan is consistent with this policy: a discussion of proposed bicycle and pedestrian improvements is provided in Section 3.14, *Transportation and Circulation*, Impact TRA-1.
	9.1.2.8	Integrate and link, where possible, existing and proposed National, State, regional, County, city and local hiking, bicycle, and equestrian trails for public use.	The proposed Specific Plan is consistent with this policy; it provides an extensive trail system including Class I and II bikeways and paved and unpaved trails. More discussion of this issue is provided in Section 3.14, *Transportation and Circulation*.
Objective 9.1.3 Incorporation of Parks and Trails			
	9.1.3.1	Linear parks and trails may be incorporated along rivers, creeks, and streams wherever possible.	The proposed Specific Plan provides a trail system along Deer Creek.

Guidelines For Acquisition and Development of Park Facilities	
Park Types	Developed
Regional Parks	1.5 ac/1,000 population
Community Parks	1.5 ac/1,000 population
Neighborhood Parks	2.0 ac/1,000 population
Specific Standards (Neighborhood and Community Parks)	
Cameron Park Community Services District	5.0 ac/1,000 population
El Dorado Hills Community Services District	5.0 ac/1,000 population
Planned Communities	5.0 ac/1,000 population

	Policy Numbers	Policy	Project Consistency
Goal 9.2: Funding			
Objective 9.2.2: Quimby Act			
	9.2.2.2	New development projects creating community or neighborhood parks shall provide mechanisms (e.g., homeowners associations, or benefit assessment districts) for the ongoing development, operation, and maintenance needs of these facilities if annexation to an existing parks and recreation service district/provider is not possible.	The proposed Specific Plan is consistent with this policy; a Specific Plan homeowners association is proposed to be created.
Objective 9.2.3: Grants, Fees and Contributions			
	9.2.3.5	The County will encourage private sector development, operation, and maintenance of recreation facilities.	The proposed Specific Plan is consistent with this policy; the project includes development, operation, and maintenance of some recreation facilities.
ECONOMIC DEVELOPMENT ELEMENT			
Goal 10.1: Cooperation			
Objective 10.1.9: Jobs-Housing Relationship			
	10.1.9.2	Encourage specific plans and large planned developments in Community Regions and Rural Centers to include a broad mix of housing types and relate it to local wage structures to achieve balance with existing and forecasted resident household needs.	The proposed Specific Plan provides medium and low-density housing, as well as permitting for secondary units in all residential zones. As such, while high density housing is not proposed in this project, it is proposed in other areas of the county, and the project does provide a mix of housing types.
	10.1.9.3	The County shall actively promote job generating land uses while de-emphasizing residential development unless it is tied to a strategy that is necessary to attract job generating land uses.	The proposed Specific Plan is in close proximity to other job generating land uses in the region.
Goal 10.2: Public Services and Infrastructure			
Objective 10.2.1: Public and Civic Facilities Investment			
	10.2.1.4	Require new discretionary development to pay its fair share of the costs of all civic and public and community facilities it utilizes based upon the demand for these facilities which can be attributed to new development.	The proposed project is consistent with this policy; more discussion is provided in Section 3.12, *Public Services and Utilities*.
	10.2.1.5	A public facilities and services financing plan that assures that costs burdens of any civic, public, and community facilities, infrastructure, ongoing services, including operations and maintenance necessitated by a development proposal, as defined below, are adequately financed to assure no net cost burden to existing residents shall be submitted with the following development applications: A. Specific plans; and B. All residential, commercial, and industrial projects located within a Community Region or Rural Center which exceed the following thresholds: 1. Residential.....50 units 2. Commercial.....20 acres or 100,000 square feet 3. Industrial.....20 acres or 250,000 square feet	The proposed Specific Plan is consistent with this policy; the project includes a Specific Plan with a plan for provision of and funding for infrastructure and public services.

	Policy Numbers	Policy	Project Consistency
	10.2.1.6	Provision of new infrastructure and facilities shall be coordinated with existing infrastructure and facilities and shall maximize use of existing facilities capacity to the extent that any exists.	The proposed Specific Plan is consistent with this policy; the County has been in contact with and will coordinate with infrastructure providers (such as EID) to maximize use of existing capacity of facilities. Off-site infrastructure needs are addressed throughout the EIR.
Objective 10.2.2: Equitable Financing Methods for Public Improvements			
	10.2.2.2	Stress financing strategies that maximize the use of pay-as-you-go methods to gain the most benefit from available revenue without placing unreasonable burdens on new development. Program 10.2.2.2.1: When a project directly or indirectly impacts existing public services and/or infrastructure, it shall provide for and finance improvements consistent with the degree of impact to public services and/or infrastructure directly or indirectly attributed to the project. Cost to be borne by the project proponent shall be determined on the basis of the above described nexus and other pre-existing legally binding agreements such as development agreements.	The proposed Specific Plan is consistent with this policy; the project includes a Specific Plan with a plan for provision of and funding for infrastructure and public services.

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B

Site Design Standards

B.1 Overview

In addition to the General Development Standards outlined in Appendix A, the *Specific Plan* includes its own unique Site Design Standards that customize the requirements contained in the County of El Dorado Design and Improvement Standards Manual (including The Hillside Standards), the Grading Design Manual, the most recent MS4 Permit requirements, and the Land Development Manual (collectively referred to as the Manuals). The Site Design Standards contained herein are applicable for all *Specific Plan* discretionary development permits including, but not limited to, tentative maps, parcel maps, planned developments, conditional use permits, and design review. The Site Design Standards also apply to ministerial commercial and multi-unit residential projects. In any instance where the *Specific Plan* Site Design Standards conflict with the requirements of the Manuals, the *Specific Plan* provisions shall govern. Where the *Specific Plan* does not identify a particular standard, the Manuals shall govern. The County shall approve modifications to the standards contained in this section as a Design Exception (rather than a Design Waiver) upon the recommendation of a professional engineer.

B.2 Street Standards

The *Plan Area* streets shall comply with the street types identified in Section 4 (Circulation) and the criteria contained in this Appendix. Additionally, all roads must meet the current California Code of Regulations, Title 24, Part 9, Chapter 5, Section 503 and Title 14, California Code of Regulations, Division 1.5, Chapter 7, Subchapter 2, Article 2, Emergency Access, Section 1273.01 of the Fire Safe Regulations, as applicable.

B.2.1 Design Speeds

Applicants and the County shall use the following standards as guidelines, which are subject to change

B.2.2 Horizontal and Vertical Geometry

Applicants and the County shall use the following standards as guidelines, which are subject to change on a case-by-case basis where unique conditions dictate or revisions are warranted.

- The County shall allow roads on slopes in excess of 30 percent; however, consistent with the General Plan, the County shall prohibit development areas on slopes in excess of 30 percent. Areas of 30 percent and greater may occur within a lot or parcel, provided development footprints remain outside of such areas.
- Local streets may exceed 2,000 ADT upon the review and recommendation of a traffic engineer, without limitation to driveway placement or driveway ingress/egress. Applicants shall design local streets to minimize traffic speeds, utilizing traffic calming devices to be determined at the tentative map stage.
- Horizontal centerline curve radii:
  - Local Cul-de-Sac Streets: Not less than 75 feet
  - Local Streets: Not less than 100 feet
  - Collector Streets: Not less than 300 feet
  - Arterial Streets: Not less than 600 feet

- Street Intersection Offsets:
  - Local Streets: A minimum of 100 feet at street centerline
  - Collector Streets: A minimum of 200 feet at street centerline
  - Arterial Streets: A minimum of 500 feet
- Maximum Street Gradient:
  - Local Streets: 15% maximum
  - Collector Streets: 10% maximum
  - Arterial Streets: 8% maximum
- Curb and Gutter – Pavement Section
  - All local road curb and gutter radii shall be a minimum of 25' at face of curb
  - Project-specific geotechnical R-Value testing results shall determine minimum pavement sections on private local roads.
  - The County's Manuals shall determine minimum pavement sections on public arterial roads.

B.2.3 Dead End Streets

The County shall allow dead end streets not exceeding 2,640' with the following turnarounds:

Table B.1: Dead End Turnaround

Lot Size	Dead End Street Length	Minimum Road Width	Required Turnaround	Notes
0.00 - 0.99 ac.	0' - 800'	20' Minimum	80' Diameter (Figure 4.16)	Alt. Hammerhead or Y* (Figure 4.17)
1.00 - 4.99 ac.	801' – 1,320'	20' Minimum	80' Diameter (Figure 4.16)	Alt. Hammerhead or Y* (Figure 4.17)
5.00 - 19.99 ac.	1,321' – 2,640'	20' Minimum	80' Diameter (Figure 4.16)	Alt. Hammerhead or Y* (Figure 4.17) Intermediate turnaround required @ 1,320'

*As approved by the fire department

B.2.4 On-Street Parking

On-street parking is prohibited on Lime Rock Valley Road. On-street parking shall be allowed on local residential streets as described in Table B.2 (On-Street Parking). The CC&Rs of the Master Owners' Association shall establish restrictions for on-street parking to the satisfaction of the applicable Fire Department and shall enforce all parking restrictions.

Table B.2: On-Street Parking

Street Type or Name	Figure No.	No Parking Allowed	Parking Allowed One Side Street	Parking Allowed Both Sides of Street
Lime Rock Valley Road	4.2	✓		
44' Local Residential Street	4.3			✓
40' Local Residential Street	4.4			✓
44' Local Residential Street	4.5			✓
36' Local Residential Street	4.6			✓
37' Local Residential Street	4.7		✓	✓*
33' Local Residential Street	4.8		✓	✓*
37' Local Residential Street	4.9		✓	✓*
29' Local Residential Street	4.10		✓	✓*
33' LRS (Single Loaded)	4.11		✓	
37' LRS (Single Loaded)	4.12		✓	
29' LRS (Single Loaded)	4.13		✓	
29' Cul-de-Sac Street	4.14			✓
27' Residential Alley	4.15	✓		

* Parking allowed on both sides of street with approval of the responsible fire protection district.

As may be required, "no parking" signs may or may not be posted on both sides of Lime Rock Valley Road. Where on-street parking is prohibited, replacement parking shall be provided in parking bays positioned to take advantage of terrain features and minimize grading.

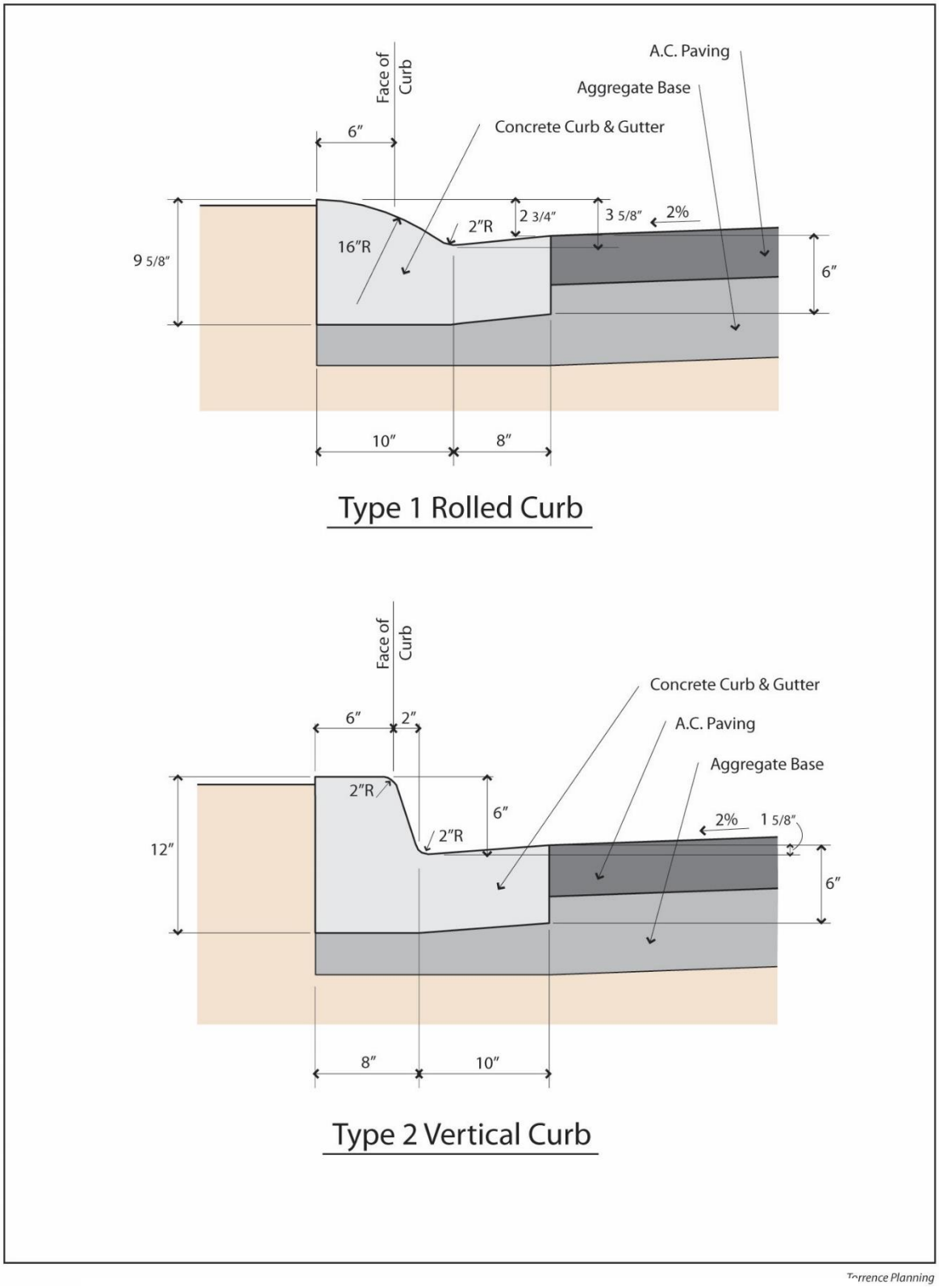
B.2.5 Curb and Gutter

Concrete curb and gutter is required on *Plan Area* streets, except for portions of the outside lanes of Lime Rock Valley Road as shown in the typical cross-sections in Chapter 4 (Circulation). Refer to Table B.3 (Curb and Gutter) for the type of curb and gutter required for each street type, and Figures B.2 (Type 1 Rolled Curb), B.3 (Type 2 Vertical Curb), B.4 (Roundabout/Roundabout Island Curb), and B.5 (Median Curb) for construction details.

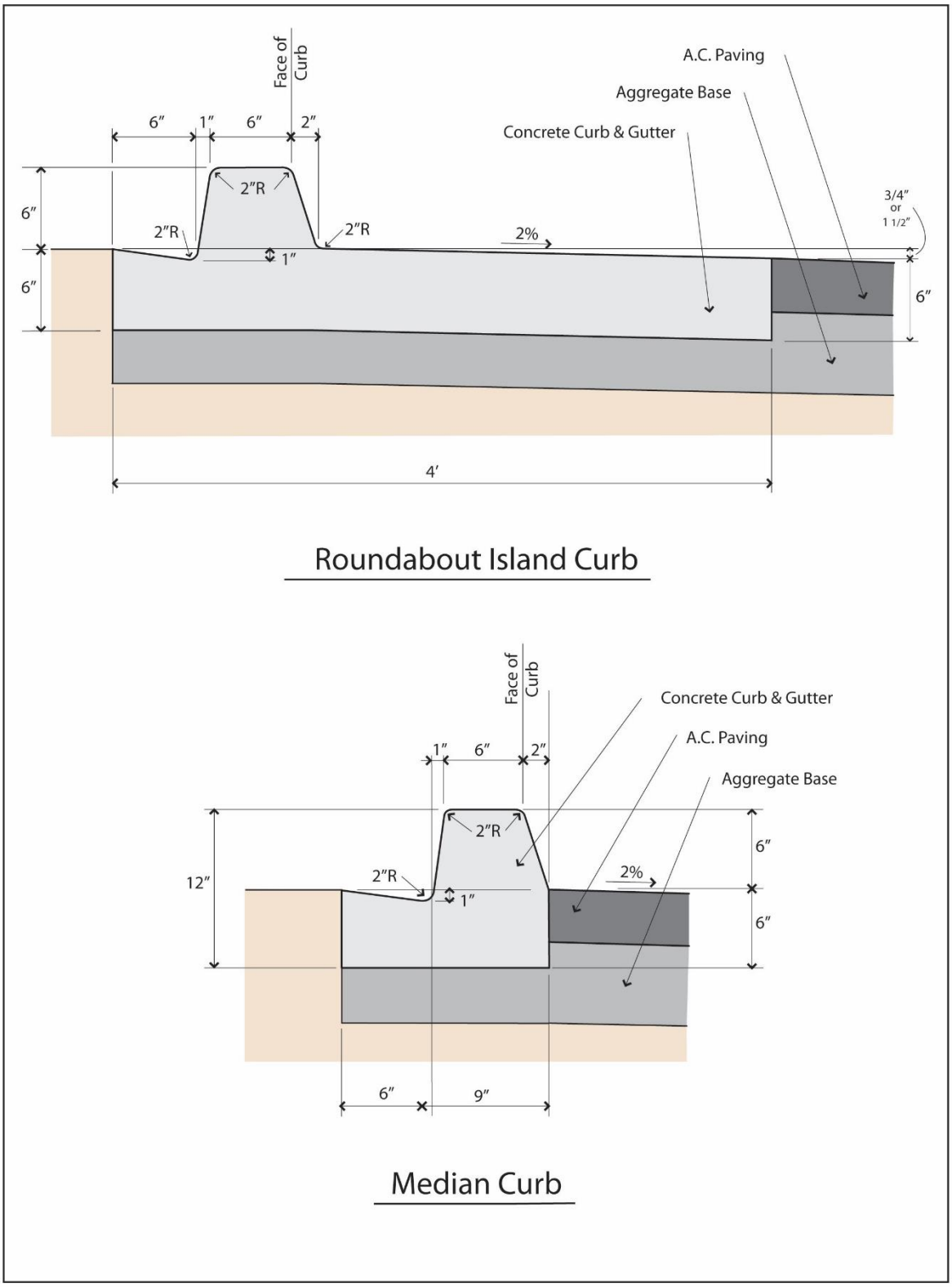
Table B.3: Curb & Gutter

Street Type or Name	Figure No.	Curb Type				
		None	Vertical (Fig. B.2)	Rolled (Fig. B.1)	Median (Fig. B.4)	Island (Fig. B.3)
Lime Rock Valley Road	4.2	✓			✓	
Traffic Circle Island	4.19					✓
44' Local Residential Street	4.3			✓		
40' Local Residential Street	4.4			✓		
44' Local Residential Street	4.5			✓		
36' Local Residential Street	4.6			✓		
37' Local Residential Street	4.7			✓		
33' Local Residential Street	4.8			✓		
37' Local Residential Street	4.9			✓		
29' Local Residential Street	4.10			✓		
33' LRS (Single Loaded)	4.11		✓*	✓		
37' LRS (Single Loaded)	4.12		✓*	✓		
29' LRS (Single Loaded)	4.13		✓*	✓		
29' Cul-de-Sac Street	4.14			✓		
27' Residential Alley	4.15			✓		

* Single Loaded Side of Street.



Figures B.1 & B.2 – Rolled & Vertical Curbs



Figures B.3 & B.4 – Island & Median Curbs

B.2.6 Street and Sidewalk Details

Sidewalks and/or Class I multi-use paths are required on the majority of the *Plan Area* streets. Refer to Table B.4 (Sidewalks & Multi-Use Paths) for required sidewalks for each street type.

Table B.4: Sidewalks & Multi-Use Paths

Street Type or Name	Figure No.	Sidewalk or Class I Multi-Use Path			
		4' Both Sides	4' One Side	8' One Side Multi-Use	None
Lime Rock Valley Road	4.2			✓	
44' Local Residential Street	4.3	✓			
40' Local Residential Street	4.4		✓		
44' Local Residential Street	4.5			✓	
36' Local Residential Street	4.6				✓
37' Local Residential Street	4.7	✓			
33' Local Residential Street	4.8		✓		
37' Local Residential Street	4.9			✓	
29' Local Residential Street	4.10				✓
33' LRS (Single Loaded)	4.11		✓		
37' LRS (Single Loaded)	4.12			✓	
29' LRS (Single Loaded)	4.13				✓
29' Cul-de-Sac Street	4.14				✓
27' Residential Alley	4.15				✓

B.2.7 Entry Streets and Gates

The County shall permit private gated entries and Emergency Vehicle Access (EVA) on non-County maintained roads, which are allowed to encroach into the public street right-of-way as shown in Figure B.6 (Gated Entry to Private Street). The County shall allow gates by right in the *Plan Area*, subject to the following provisions:

- Minimum unobstructed travel lane width of 14 feet for a divided street or 24 feet for an undivided street
- Automatic gates shall be equipped with the following:
  - A "Knox" emergency access override system that consists of a low security key activated switch located in accordance with fire district requirements.
  - The ability for all first responders to remotely open any private gated entry or Emergency Vehicle Access gate via telephone, cellular phone, or dispatch center.
  - A linear receiver device and transmitters approved by the responsible fire district to allow remote activation by emergency vehicles. The decision to require the installation of an "Opticom" receiver to open any gate will be at the discretion of the Fire Marshal.
  - A mechanical release device.
  - A loop system located on the inside portion of the gate to permit vehicular traffic to exit the gated area without any special knowledge, action, or codes and shall keep the gate open as long as traffic is passing through the gate.

- A means to automatically open and remain fully open during power failures.
- The ability to reach the fully open position with a total time not to exceed 1 second for each 1 foot of total width.
- A receiving device so the signal from the transmitter will open the gate approximately 25 feet from the gate location.
- Applicants shall equip all Emergency Vehicle Access (EVA) gates with manual overrides from both sides of the gate to allow for vehicles and pedestrians to open in case of emergencies. Applicants shall provide audible alarms with the overrides and an outside service shall monitor the manual override to minimize inappropriate use of this access.

- The gradient of the road for 30 feet on either side of the gate shall not exceed 10% to provide a relatively level landing area for emergency vehicle parking to manually operate a gate.
- Applicants shall provide a turnaround at the gate if the gate creates a dead-end road in excess of 150 feet.
- Direction limiting devices, such as fixed tire spikes, and devices that would delay emergency access, such as speed bumps, shall be prohibited.

B.2.8 Street Lighting

Applicants shall minimize street lighting along Lime Rock Valley Road to minimize light pollution. Applicants should only provide street lighting at key local public street intersections, particularly at all roundabouts or entrances to schools, commercial, office, and other similar uses. Applicants will determine the design, location, and construction of the street lighting, subject to the County's approval and any other appropriate public agency.

B.2.9 Street Signs

Applicants will determine the type and construction of street name signs, subject to County approval and any other appropriate public agency. Applicants shall place street signs at intersections along Lime Rock Valley Road, and at all private, local residential streets.

Traffic control signs shall be placed along Lime Rock Valley Road where designated by the County and shall comply with the California Manual of Uniform Traffic Control Devices. Applicants may place traffic control devices along private, local residential streets at locations determined by the project proponent, and subject to County and applicable Fire Department approvals.

B.2.10 Street Drainage

Applicants shall provide drainage improvements in the *Plan Area* according to the requirements of the adopted El Dorado County Drainage Manual, including curb and gutter as outlined in Table B.3 (Curb and Gutter) or well-defined roadside ditches or inlets directing surface water away from the street to an adequate drainage system or LID treatment feature. Water shall not cross the street surface, but shall be conveyed through culverts of adequate size to accommodate storm water without flooding the street. Roadside ditches may also be used for water quality devices and may be landscaped with appropriate types of low growing approved materials—any such use will be in compliance with applicable laws in effect at the time of design. Street flow is to be allowed and designed to accept 100-year flood events with appropriately designed and sized overland releases utilizing ditches or channels.

B.2.11 Cross Visibility Area

The definition of a cross visibility area (CVA) is as follows:

1. At a corner formed by any encroachment onto a road, a triangle having two sides 10 feet long, running along the driveway/encroachment edge and the road edge-of-pavement, said length beginning at their intersection, and the third side formed by a line connecting the two ends, as shown in the Figure B.5, or
2. On corner lots, a triangle having two sides 25 feet long, running along each right of way or road easement, said length beginning at their intersection, and the third side formed by a line connecting the two ends, as shown in Figure B.5.

The County shall permit fences, walls, and landscaping of any height in the CVA, so long as the improvement does not impede sight distance as recommended by the applicant's professional engineer.

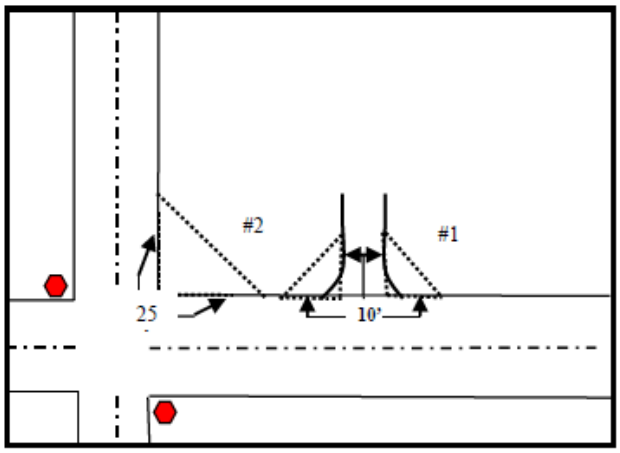


FIGURE B.5
CROSSS VISIBILITY AREA

B.3 General Lot Standards

B.3.1 Flag Lots

Flag lots are permitted in all PD zones, and on mass-pad graded and un-padded lots, provided they conform to the following standards:

- The lot's "flagpole" shall have a minimum width, at any point, of 25 feet, except when two flag lots are directly adjacent to one another as provided below.
- All cut or fill slope areas created by the driveway shall be contained within the flagpole or slope easements.
- Two adjacent flag shaped lots may use a common driveway provided the "flagpoles" are adjacent and meet the following:
  - The lot's flagpoles shall have minimum widths at any point of 12.5 feet

- The driveway is 20 feet wide and contains a turnaround if the flagpole is over 150 feet long
- An access and utility easement shall be provided to the use and benefit of both lots served

B.3.2 Lot Length to Width Ratio

The County shall allow lot length to width ratios greater than 3:1, where unusual natural or other unique field conditions or features occur.

B.3.3 Utility Easements

Side yard utility easements between residential lots shall be allowed, when necessary for both wet and dry utilities stating appropriate access needs, and defining the allowed surface improvements, limitations, and restrictions. Access will be limited to maintenance and replacement of the facilities. Easement areas may be fenced with approved surface improvements allowed, subject to disturbance or removal as required and defined in the easement document.

B.4 Hillside Standards

B.4.1 Applicability and Criteria

The Project Proponent has included hillside standards in the *Specific Plan* so that applicants plan, design, and construct residential building sites in hillside areas in a manner that preserves or enhances, to the greatest extent possible, physical features that optimize the aesthetic quality and public safety of the final built environment. Applicants shall use these hillside standards as a guide to encourage creative site planning, meeting the challenges of steep terrain and minimizing the effects of construction on the visual quality of natural hillsides. These standards, however, are not intended to inhibit or restrict development in the *Plan Area*.

The hillside standards apply only to the residential zoned R15-PD, R1A-PD, R2.5A-PD and R5A-PD parcels as a guide to be used under circumstances where the natural site cross-slope of parcels is 10 percent or greater. The hillside standards are not applicable for *Plan Area* parcels proposed for, or have the potential for mass pad grading in, sites zoned R4-PD, R6-PD and R10-PD.

Cross-slope shall be calculated by either dividing the vertical distance by the horizontal distance on a section drawn perpendicular to the contours for the full dimension of the proposed lot at 50 foot intervals with a minimum of two such sections per lot; or by making the same calculation between the highest and lowest point within the lot, whichever results in the highest average cross-slope. The cross-slope is then the average of the sections taken for each lot. Cross-slopes ending in one-half percent or more shall be rounded to the next highest whole number.

The County will consider alternative standards for R15-PD, R1A-PD, R2.5A-PD and R5A-PD parcels that will also require a site specific erosion and sediment control plan developed and certified by a Civil Engineer.

B.4.2 Hillside Lot Frontage

Table B.5 (Hillside Lot Frontage) shall be used only as a planning guide for determining recommended lot frontage width. However, depending on the average natural slope of the lot, the actual width versus depth, and other potential opportunities or constraints, the lot width may be less than the guide recommends.

Table B.5: Hillside Lot Frontage	
Natural Cross Slope Gradient	Minimum Lot Width
10 to 15%	75 Feet
16 to 20%	90 Feet
21 to 25%	105 Feet
26 to 30%	120 Feet
31 to 35%*	135 Feet
36 to 40%*	150 Feet

** Lots with natural slopes over 30% are permitted. However, building sites may be limited to areas of the lot less than 30% natural slope.*

B.4.3 Recommended Hillside Lot Size

For initial planning purposes, applicants shall use the recommended lot sizes based on natural cross slope gradient shown in Table B.6 (Recommended Lot Size) subject to the applicability criteria in Section B.3.1 (Applicability and Criteria). However, site specific characteristics, such as oak canopy, rock outcroppings, and any other special features of individual lots may dictate a larger or smaller lot size and may differ from those shown in Table B.6.

Table B.6: Recommended Lot Size (R15-PD, R1A-PD, R2.5A-PD & R5A-PD Lots Only)	
Natural Cross Slope Gradient	Recommended Minimum Lot Size
10%	10,000 Sq. Ft.
15%	15,000 Sq. Ft.
20%	20,000 Sq. Ft
25%	25,000 Sq.Ft
30%	30,000 Sq. Ft.
31%	32,000 Sq. Ft.
33%	36,000 Sq. Ft.
35%	40,000 Sq. Ft.
36%	50,000 Sq. Ft.
37%	60,000 Sq. Ft.
38%	70,000 Sq. Ft.
39%	80,000 Sq. Ft.
40%*	90,000 Sq. Ft.

** Any portion of a lot with slopes exceeding 40% shall not be*

considered as part of the required minimum lot area.

B.5 Grading

B.5.1 Purpose

The purpose of this section is to set forth the standards and procedures for *Plan Area* grading, to protect lives, property, and public improvements from damage due to unregulated grading, and to limit water quality, erosion, and sediment impacts. Except as otherwise noted in this section, the provisions of the currently adopted "Soils and Foundations" and "Grading Appendix" chapters of the California Building Code (CBC), shall apply. This Section is not intended to supersede or otherwise pre-empt any applicable local, State, or Federal law or regulation. Where conflicts may occur between this Section and the California Building Code or the adopted El Dorado County Grading Ordinance, the more restrictive requirements shall govern. Any requirement in this section may be modified if recommended in an acceptable Geologic Report or Geotechnical Report.

Applicants shall properly consider the site's natural terrain through careful site planning and grading that reflects the natural contours of the property, and steps up or down with the existing grade. Slope banks shall be rounded and blended to existing contours to create a natural appearance. Sharp and unnatural edges shall be avoided. Refer to Figure B.6 for a Contour Grading Example. Final drainage plans will be developed to manage runoff using site design measures, source controls and/or storm water treatment and baseline hydromodification measures to achieve LID standards, consistent with MS4 permit requirements.

B.5.2 Mass Pad Grading

Due to the hilly terrain in the county, grading may be required to create adequately drained, near-level building sites and to provide for adequate access to development areas. The volume of grading will be limited to that which is necessary to accomplish the proposed development. All grading will reflect, to the greatest extent possible, the natural gradient and contours of the site. Grading shall be designed to minimize the creation of extensive, artificial banks or terraces, which may be visible from public streets or other public views. Grading shall conform to the design standards provided in the Grading Design Manual adopted by the Board of Supervisors, unless demonstrated through adequate analysis and to the satisfaction of the Transportation Division that an alternate design can provide a stable slope that avoids severe erosion and other hazards. Mass pad grading, or the grading of any individual lot of a development parcel, shall be allowed by right in the R4-PD, R6-PD and R10-PD zones.

B.5.3 Contour Grading

Contour grading of cut and fill slopes should attempt, where possible, to be curvilinear in plan rather than linear. Transition zones and slope intersections are generally encouraged to have some rounding applied with the resultant pad configurations with the tops and toes of all slopes to be curvilinear (refer to Figure B.6 – Contour Grading Example). Within the *Plan Area*, contour grading shall occur in hillside graded slope transition areas as well as highly visible areas where visual aesthetics are an important consideration.

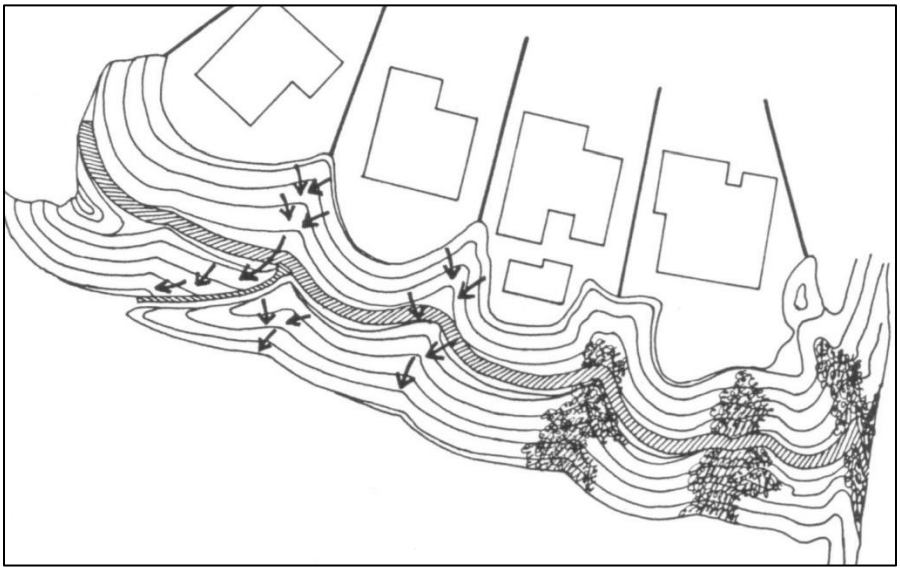


Figure B.6 – Contour Grading Example

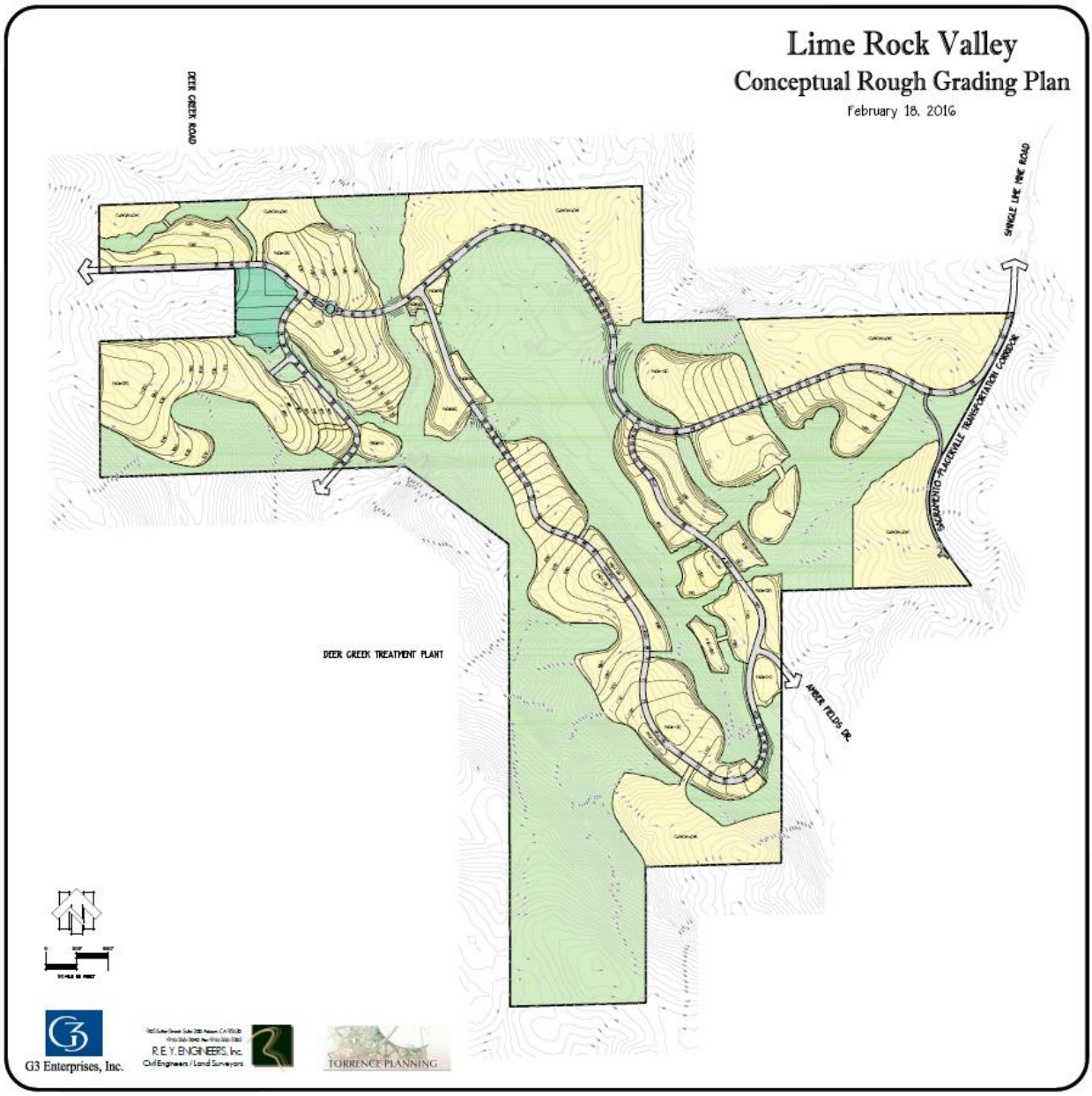


Figure B.7 – Conceptual Rough Grading Plan

In order to minimize a "stair step" effect on front yard streetscapes in padded lot areas, the transitional slope areas along the side lot lines in the front yards shall be softened by reducing the slope or by contouring the top and toe of the slope into the front yards of each unit. Applicants (merchant builders) are expected to install front yard landscaping in areas where mass pad grading is combined with a build-out program. To maximize usable rear yard space and to provide proper drainage between lots, contour grading shall not be required along rear lot lines nor alongside lot lines in those areas which are not visible from a public street.

B.5.4 Street Drainage

As will be established through the *Plan Area* recorded CC&Rs, the following standards shall apply to all private streets, drainage easements, and other drainage facilities within the private property:

A. Private streets, drainage easements and drainage facilities (other than drainage facilities accepted by the County of El Dorado) shall be offered to the Master Owners' Association or to a Village Association, as the case may be, simultaneously with the recordation of the final map providing for such streets, unless a particular map is recorded prior to the formation of the Master Association or the Village Association, as the case may be. In the latter event, such private streets, drainage easements, and drainage facilities shall be offered immediately after the formation of the Master Association or Village Association. Private streets and drainage facilities shall be offered in fee.
B. Public streets shall be offered to the County of El Dorado.
C. "Downhill" lots shall be designed to accept drainage from the "uphill" lots.

B.5.5 Cross Lot and Rear Lot Drainage

Cross lot or rear lot storm water runoff for each individual home site must be handled on site by properly contouring the grading so runoff can be directed from its natural drainage area to LID features or storm drainage facilities if they have been provided. Lots at lower elevations will likely be subject to drainage run-off originating from home sites or open space at higher elevations. Site drainage routes, and the collection and dissipation of the drainage, must be detailed on individual grading plans. The individual lot owner is fully responsible for water runoff and drainage control on their property and for drainage leaving their property. Landscaping may not be installed in any manner that interferes with developer-installed storm drainage improvements or easements, except as provided in approved plans. Irrigation runoff should not leave the property at any time. Site and drainage plans shall be closely studied to ensure that proper drain systems and/or diversion routes are designed to prevent runoff into sensitive areas or other home sites.

B.5.6 Retaining Walls

Retaining walls are allowed by right in the *Plan Area*, and their design and construction shall be designed in accordance with the applicable Chapters and Appendices of the latest edition of the CBC, in addition to the applicable provisions provided in this Section and Appendix A. All retaining walls requiring a permit shall consider earthquake loading in accordance with the applicable Chapters of the Building Code. All retaining walls located within a County-maintained road right-of-way, or immediately adjacent to a right-of-way and supporting or protecting a County maintained road, are subject to review and approval by the El Dorado County Department of Transportation (DOT). All retaining wall heights are measured from the bottom of the footing to the top of the wall.

Retaining walls on non-pad graded custom, semi-custom, or high-end production lots shall be installed no higher than 6 feet above natural grade when outside an established building envelope.

Retaining Wall Permits

Construction of retaining walls requires a permit from the County, and is regulated by County building codes and the *Specific Plan*. Walls retaining less than four feet of earth measured from the bottom of the footing, and that have a finish grade above and below the wall sloping less than 5:1 (five horizontal to one vertical) and do not impound Class I, II, or III-A liquids as those liquids are defined in the CBC, are exempt from permits. Walls built on a property line or within a perpendicular distance from the property line equal to the height of the exposed wall face shall not be constructed of wood.

Retaining Wall Types

Retaining walls may be of any height or configuration (e.g. one large wall or a series of smaller walls) as recommended by a professional engineer and approved by the Master Owners' Association Architectural Control Committee. Acceptable retaining walls shall include, but not be limited to, keystone, rockery, block masonry, and wood; however, wood retaining walls shall not exceed 4 feet in height.

B.5.7 Storm Water Management, Erosion and Sediment Control

Control of storm water, erosion, sediment, and other construction related pollutants is required for all *Plan Area* grading projects. The *Plan Area* storm water management, erosion and sediment control and drainage plan shall comply with the adopted Drainage Manual, Grading Design Manual, Storm Water Management Plan (SWMP) and current California State Water Resources Control Board's (SWRCB) Order(s) regulating construction activities (the current MS4 permit). Additionally, a Storm Water Pollution Prevention Plan (SWPPP) is required for grading projects exceeding one acre in area. Best Management Practices (BMPs) shall be utilized in all storm water, erosion, and sediment control plans.

B.5.8 Preliminary Landscape and Irrigation Plan

Applicants shall submit a preliminary landscaping and irrigation plan to the County to demonstrate consistency with El Dorado County Chapter 130 (Zoning Ordinance) and any discretionary approvals as may be required.

B.6 Building Standards

Buildings associated with the proposed project that are to be located in oak woodland and grassland areas will be designed to blend with the surrounding built and natural environments so that these structures complement the visual landscape. The U.S. Bureau of Land Management has conducted extensive research on color selection techniques illustrating the efficacy of color choice in reducing visual impacts in natural environments. Methods consistent with this study will be applied to design treatments for buildings within oak woodlands and grassland areas[1]. The following measures will be applied subject to County review and approval upon issuance of building permits.

- Roofing materials within oak woodlands and grasslands will be colored using a shade that is two to three shades darker than the general surrounding area.
- Building facades within oak woodlands will be painted in mid-range to darker earth tones to help buildings blend better within the oak canopy. Lighter beiges and tans, which would make buildings stand out and contrast against the oak canopy, will be avoided.

- Building facades within grasslands will be painted in mid-range earth tones to help buildings blend better within grassland areas. Very light off-whites, very light beiges, and very light tans, which would make buildings stand out and contrast against grassland areas, will be avoided.

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Appendix C

Air Quality Model Output (Construction Output/Emissions)

Construction CalEEMod

LRVSP Construction 2023 - El Dorado-Mountain County County, Summer

LRVSP Construction 2023
El Dorado-Mountain County County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	51.00	Dwelling Unit	23.00	91,800.00	146
City Park	5.00	Acre	5.00	217,800.00	0
Other Asphalt Surfaces	9.00	Acre	9.00	392,040.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	70
Climate Zone	1			**Operational Year**	2050
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	641.35	**CH4 Intensity**	0.029	**N2O Intensity**	0.006

1.3 User Entered Comments & Non-Default Data

Land Use - Acres from project description
Construction Phase - Assumed construction schedule of one-year.
Off-road Equipment - Equipment per applicant.
Grading - Acres from project description.
Architectural Coating - all construction in EDCAQMD must apply coatings with VOC contents of 150 g/L or less, effective 1/1/2018

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	23,522.00	0.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblConstructionPhase	NumDays	55.00	14.00
tblConstructionPhase	NumDays	740.00	190.00

tblConstructionPhase	NumDays	75.00	19.00
tblConstructionPhase	NumDays	55.00	14.00
tblConstructionPhase	NumDays	30.00	8.00
tblConstructionPhase	PhaseEndDate	11/6/2026	12/28/2023
tblConstructionPhase	PhaseEndDate	6/5/2026	11/20/2023
tblConstructionPhase	PhaseEndDate	8/4/2023	2/7/2023
tblConstructionPhase	PhaseEndDate	8/21/2026	12/8/2023
tblConstructionPhase	PhaseEndDate	4/21/2023	1/11/2023
tblConstructionPhase	PhaseStartDate	8/22/2026	12/9/2023
tblConstructionPhase	PhaseStartDate	8/5/2023	2/28/2023
tblConstructionPhase	PhaseStartDate	4/22/2023	1/12/2023
tblConstructionPhase	PhaseStartDate	6/6/2026	11/21/2023
tblConstructionPhase	PhaseStartDate	3/11/2023	1/1/2023
tblGrading	AcresOfGrading	47.50	37.00
tblLandUse	LotAcreage	16.56	23.00
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	OffRoadEquipmentType	4	Excavators
tblOffRoadEquipment	OffRoadEquipmentType	2	Rubber Tired Loaders

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	123.5306	34.5550	28.6026	0.0752	18.2141	1.4256	19.4812	9.9699	1.3116	11.1356	0.0000	7,488.984	7,488.9848	1.9481	0.0000	7,506.473
Maximum	**123.5306**	**34.5550**	**28.6026**	**0.0752**	**18.2141**	**1.4256**	**19.4812**	**9.9699**	**1.3116**	**11.1356**	**0.0000**	**7,488.984**	**7,488.9848**	**1.9481**	**0.0000**	**7,506.473**

3.0 Construction Detail

Construction Phase

Phase	Phase Name	Phase Type	Start Date	End Date	Num Days	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2023	1/11/2023	5	8	
2	Grading	Grading	1/12/2023	2/7/2023	5	19	
3	Building Construction	Building Construction	2/28/2023	11/20/2023	5	190	
4	Paving	Paving	11/21/2023	12/8/2023	5	14	
5	Architectural Coating	Architectural Coating	12/9/2023	12/28/2023	5	14	
6	Utilities	Trenching	2/8/2023	2/27/2023	5	14	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 37

Acres of Paving: 9

Residential Indoor: 185,895; Residential Outdoor: 61,965; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Utilities	Excavators	4	8.00	158	0.38
Utilities	Rubber Tired Loaders	2	8.00	203	0.36
Grading	Excavators	2	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment	Worker Trip	Vendor Trip	Hauling Trip	Worker Trip	Vendor Trip	Hauling Trip	Worker Vehicle	Vendor	Hauling
Utilities	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	274.00	105.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	55.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.2 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.308	3,687.3081	1.1926		3,717.121
Total	**2.6595**	**27.5242**	**18.2443**	**0.0381**	**18.0663**	**1.2660**	**19.3323**	**9.9307**	**1.1647**	**11.0954**		**3,687.308**	**3,687.3081**	**1.1926**		**3,717.121**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0818	0.0355	0.4963	1.3700e-	0.1479	1.0100e-	0.1489	0.0392	9.3000e-	0.0402		135.9662	135.9662	3.4300e-		136.0520
Total	**0.0818**	**0.0355**	**0.4963**	**1.3700e-**	**0.1479**	**1.0100e-**	**0.1489**	**0.0392**	**9.3000e-**	**0.0402**		**135.9662**	**135.9662**	**3.4300e-**		**136.0520**

3.3 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.0873	0.0000	8.0873	3.5332	0.0000	3.5332			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.477	6,011.4777	1.9442		6,060.083
Total	**3.3217**	**34.5156**	**28.0512**	**0.0621**	**8.0873**	**1.4245**	**9.5118**	**3.5332**	**1.3105**	**4.8438**		**6,011.477**	**6,011.4777**	**1.9442**		**6,060.083**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0909	0.0394	0.5514	1.5200e-	0.1643	1.1200e-	0.1654	0.0436	1.0400e-	0.0446		151.0735	151.0735	3.8200e-		151.1689
Total	**0.0909**	**0.0394**	**0.5514**	**1.5200e-**	**0.1643**	**1.1200e-**	**0.1654**	**0.0436**	**1.0400e-**	**0.0446**		**151.0735**	**151.0735**	**3.8200e-**		**151.1689**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.209	2,555.2099	0.6079		2,570.406
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.209**	**2,555.2099**	**0.6079**		**2,570.406**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2720	9.1548	3.2580	0.0274	0.7065	0.0196	0.7261	0.2031	0.0187	0.2218		2,864.067	2,864.0679	0.0394		2,865.053
Worker	1.2448	0.5403	7.5547	0.0208	2.2509	0.0154	2.2663	0.5970	0.0142	0.6112		2,069.707	2,069.7070	0.0523		2,071.014
Total	**1.5168**	**9.6951**	**10.8127**	**0.0482**	**2.9574**	**0.0350**	**2.9923**	**0.8001**	**0.0329**	**0.8330**		**4,933.774**	**4,933.7749**	**0.0917**		**4,936.067**

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.584	2,207.5841	0.7140		2,225.433
Paving	1.6843					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.7170**	**10.1917**	**14.5842**	**0.0228**		**0.5102**	**0.5102**		**0.4694**	**0.4694**		**2,207.584**	**2,207.5841**	**0.7140**		**2,225.433**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0682	0.0296	0.4136	1.1400e-	0.1232	8.4000e-	0.1241	0.0327	7.8000e-	0.0335		113.3051	113.3051	2.8600e-		113.3767
Total	**0.0682**	**0.0296**	**0.4136**	**1.1400e-**	**0.1232**	**8.4000e-**	**0.1241**	**0.0327**	**7.8000e-**	**0.0335**		**113.3051**	**113.3051**	**2.8600e-**		**113.3767**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	123.0891					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**123.2807**	**1.3030**	**1.8111**	**2.9700e-**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2499	0.1085	1.5165	4.1700e-	0.4518	3.0900e-	0.4549	0.1198	2.8500e-	0.1227		415.4521	415.4521	0.0105		415.7145
Total	**0.2499**	**0.1085**	**1.5165**	**4.1700e-**	**0.4518**	**3.0900e-**	**0.4549**	**0.1198**	**2.8500e-**	**0.1227**		**415.4521**	**415.4521**	**0.0105**		**415.7145**

3.7 Utilities - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Off-Road	1.3022	11.5614	16.1309	0.0334		0.4834	0.4834		0.4447	0.4447		3,227.602	3,227.6026	1.0439		3,253.699
Total	**1.3022**	**11.5614**	**16.1309**	**0.0334**		**0.4834**	**0.4834**		**0.4447**	**0.4447**		**3,227.602**	**3,227.6026**	**1.0439**		**3,253.699**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0682	0.0296	0.4136	1.1400e-	0.1232	8.4000e-	0.1241	0.0327	7.8000e-	0.0335		113.3051	113.3051	2.8600e-		113.3767
Total	**0.0682**	**0.0296**	**0.4136**	**1.1400e-**	**0.1232**	**8.4000e-**	**0.1241**	**0.0327**	**7.8000e-**	**0.0335**		**113.3051**	**113.3051**	**2.8600e-**		**113.3767**

LRVSP Construction 2024 - El Dorado-Mountain County County, Summer

LRVSP Construction 2024
El Dorado-Mountain County County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	51.00	Dwelling Unit	23.00	91,800.00	146

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	70
Climate Zone	1			**Operational Year**	2050
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	641.35	**CH4 Intensity**	0.029	**N2O Intensity**	0.006

1.3 User Entered Comments & Non-Default Data

Land Use - Acres from project description
Construction Phase - Assumed construction schedule of one-year.
Off-road Equipment - Equipment per applicant.
Grading - Acres from project description.
Architectural Coating - all construction in EDCAQMD must apply coatings with VOC contents of 150 g/L or less, effective 1/1/2018

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblConstructionPhase	NumDays	35.00	19.00
tblConstructionPhase	NumDays	370.00	190.00
tblConstructionPhase	NumDays	20.00	14.00
tblConstructionPhase	NumDays	20.00	14.00
tblConstructionPhase	PhaseEndDate	2/9/2024	1/10/2024

tblConstructionPhase	PhaseEndDate	5/24/2024	2/6/2024
tblConstructionPhase	PhaseEndDate	3/26/2027	11/18/2024
tblConstructionPhase	PhaseEndDate	6/11/2027	12/6/2024
tblConstructionPhase	PhaseEndDate	8/27/2027	12/26/2024
tblConstructionPhase	PhaseStartDate	2/10/2024	1/11/2024
tblConstructionPhase	PhaseStartDate	5/25/2024	2/27/2024
tblConstructionPhase	PhaseStartDate	3/27/2027	11/19/2024
tblConstructionPhase	PhaseStartDate	6/12/2027	12/7/2024
tblGrading	AcresOfGrading	47.50	23.00
tblLandUse	LotAcreage	16.56	23.00
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	OffRoadEquipmentType	4	Excavators
tblOffRoadEquipment	OffRoadEquipmentType	2	Rubber Tired Loaders

2.0 Emissions Summarv

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	123.287	32.4126	28.2327	0.0635	18.2141	1.3365	19.4445	9.9699	1.2296	11.1018	0.0000	6,155.040	6,155.0406	1.9471	0.0000	6,203.718
Maximum	**123.287**	**32.4126**	**28.2327**	**0.0635**	**18.2141**	**1.3365**	**19.4445**	**9.9699**	**1.2296**	**11.1018**	**0.0000**	**6,155.040**	**6,155.0406**	**1.9471**	**0.0000**	**6,203.718**

3.0 Construction Detail

Construction Phase

Phase	Phase Name	Phase Type	Start Date	End Date	Num Days	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2024	1/10/2024	5	8	
2	Grading	Grading	1/11/2024	2/6/2024	5	19	
3	Building Construction	Building Construction	2/27/2024	11/18/2024	5	190	
4	Paving	Paving	11/19/2024	12/6/2024	5	14	
5	Architectural Coating	Architectural Coating	12/7/2024	12/26/2024	5	14	
6	Utilities	Trenching	2/7/2024	2/26/2024	5	14	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 23

Acres of Paving: 0

Residential Indoor: 185,895; Residential Outdoor: 61,965; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48
Utilities	Excavators	4	8.00	158	0.38
Utilities	Rubber Tired Loaders	2	8.00	203	0.36

Trips and VMT

Phase Name	Offroad Equipment	Worker Trip	Vendor Trip	Hauling Trip	Worker Trip	Vendor Trip	Hauling Trip	Worker Vehicle	Vendor	Hauling
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	18.00	5.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	4.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Utilities	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.2 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310		3,688.010	3,688.0100	1.1928		3,717.829
Total	**2.6609**	**27.1760**	**18.3356**	**0.0381**	**18.0663**	**1.2294**	**19.2956**	**9.9307**	**1.1310**	**11.0617**		**3,688.010**	**3,688.0100**	**1.1928**		**3,717.829**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0772	0.0321	0.4589	1.3100e-	0.1479	9.8000e-	0.1489	0.0392	9.0000e-	0.0401		130.7627	130.7627	3.0900e-		130.8399
Total	**0.0772**	**0.0321**	**0.4589**	**1.3100e-**	**0.1479**	**9.8000e-**	**0.1489**	**0.0392**	**9.0000e-**	**0.0401**		**130.7627**	**130.7627**	**3.0900e-**		**130.8399**

3.3 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.3059	0.0000	7.3059	3.4488	0.0000	3.4488			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286		6,009.748	6,009.7487	1.9437		6,058.340
Total	**3.2181**	**32.3770**	**27.7228**	**0.0621**	**7.3059**	**1.3354**	**8.6413**	**3.4488**	**1.2286**	**4.6774**		**6,009.748**	**6,009.7487**	**1.9437**		**6,058.340**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0858	0.0356	0.5099	1.4600e-	0.1643	1.0900e-	0.1654	0.0436	1.0100e-	0.0446		145.2919	145.2919	3.4300e-		145.3776
Total	**0.0858**	**0.0356**	**0.5099**	**1.4600e-**	**0.1643**	**1.0900e-**	**0.1654**	**0.0436**	**1.0100e-**	**0.0446**		**145.2919**	**145.2919**	**3.4300e-**		**145.3776**

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.698	2,555.6989	0.6044		2,570.807
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.698**	**2,555.6989**	**0.6044**		**2,570.807**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0124	0.4231	0.1472	1.3000e-	0.0337	8.7000e-	0.0345	9.6700e-	8.3000e-	0.0105		135.7212	135.7212	1.7600e-		135.7651
Worker	0.0772	0.0321	0.4589	1.3100e-	0.1479	9.8000e-	0.1489	0.0392	9.0000e-	0.0401		130.7627	130.7627	3.0900e-		130.8399
Total	**0.0896**	**0.4552**	**0.6061**	**2.6100e-**	**0.1815**	**1.8500e-**	**0.1834**	**0.0489**	**1.7300e-**	**0.0506**		**266.4839**	**266.4839**	**4.8500e-**		**266.6049**

3.5 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547	2,207.5472	0.7140		2,225.396
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9882**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**		**2,207.547**	**2,207.5472**	**0.7140**		**2,225.396**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0644	0.0267	0.3824	1.0900e-	0.1232	8.2000e-	0.1240	0.0327	7.5000e-	0.0334		108.9689	108.9689	2.5700e-		109.0332
Total	**0.0644**	**0.0267**	**0.3824**	**1.0900e-**	**0.1232**	**8.2000e-**	**0.1240**	**0.0327**	**7.5000e-**	**0.0334**		**108.9689**	**108.9689**	**2.5700e-**		**109.0332**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	123.0891					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**123.2698**	**1.2188**	**1.8101**	**2.9700e-**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.0172	7.1200e-	0.1020	2.9000e-	0.0329	2.2000e-	0.0331	8.7200e-	2.0000e-	8.9200e-		29.0584	29.0584	6.9000e-		29.0755
Total	**0.0172**	**7.1200e-**	**0.1020**	**2.9000e-**	**0.0329**	**2.2000e-**	**0.0331**	**8.7200e-**	**2.0000e-**	**8.9200e-**		**29.0584**	**29.0584**	**6.9000e-**		**29.0755**

3.7 Utilities - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2351	10.3182	16.1325	0.0334		0.4343	0.4343		0.3996	0.3996		3,228.150	3,228.1502	1.0441		3,254.251
Total	**1.2351**	**10.3182**	**16.1325**	**0.0334**		**0.4343**	**0.4343**		**0.3996**	**0.3996**		**3,228.150**	**3,228.1502**	**1.0441**		**3,254.251**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0644	0.0267	0.3824	1.0900e-	0.1232	8.2000e-	0.1240	0.0327	7.5000e-	0.0334		108.9689	108.9689	2.5700e-		109.0332
Total	**0.0644**	**0.0267**	**0.3824**	**1.0900e-**	**0.1232**	**8.2000e-**	**0.1240**	**0.0327**	**7.5000e-**	**0.0334**		**108.9689**	**108.9689**	**2.5700e-**		**109.0332**

LRVSP Construction 2025 - El Dorado-Mountain County County, Summer

LRVSP Construction 2025
El Dorado-Mountain County County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	51.00	Dwelling Unit	23.00	91,800.00	146

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	70
Climate Zone	1			**Operational Year**	2050
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	641.35	**CH4 Intensity**	0.029	**N2O Intensity**	0.006

1.3 User Entered Comments & Non-Default Data

Land Use - Acres from project description
Construction Phase - Assumed construction schedule of one-year.
Off-road Equipment - Equipment per applicant.
Grading - Acres from project description.
Architectural Coating - all construction in EDCAQMD must apply coatings with VOC contents of 150 g/L or less, effective 1/1/2018

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblConstructionPhase	NumDays	10.00	8.00
tblConstructionPhase	NumDays	35.00	19.00
tblConstructionPhase	NumDays	370.00	190.00
tblConstructionPhase	NumDays	20.00	14.00
tblConstructionPhase	NumDays	20.00	14.00

tblConstructionPhase	PhaseEndDate	1/14/2025	1/10/2025
tblConstructionPhase	PhaseEndDate	3/4/2025	2/6/2025
tblConstructionPhase	PhaseEndDate	3/4/2025	2/26/2025
tblConstructionPhase	PhaseEndDate	8/4/2026	11/19/2025
tblConstructionPhase	PhaseEndDate	9/1/2026	12/9/2025
tblConstructionPhase	PhaseEndDate	9/29/2026	12/29/2025
tblConstructionPhase	PhaseStartDate	1/15/2025	1/11/2025
tblConstructionPhase	PhaseStartDate	3/5/2025	2/7/2025
tblConstructionPhase	PhaseStartDate	3/5/2025	2/27/2025
tblConstructionPhase	PhaseStartDate	8/5/2026	11/20/2025
tblConstructionPhase	PhaseStartDate	9/2/2026	12/10/2025
tblGrading	AcresOfGrading	47.50	23.00
tblLandUse	LotAcreage	16.56	23.00
tblOffRoadEquipment	OffRoadEquipmentType	4	Excavators
tblOffRoadEquipment	OffRoadEquipmentType	2	Rubber Tired Loaders

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	123.2762	27.9752	26.8031	0.0635	18.2141	1.1320	19.3019	9.9699	1.0414	10.9706	0.0000	6,147.852	6,147.8526	1.9463	0.0000	6,196.510
Maximum	**123.2762**	**27.9752**	**26.8031**	**0.0635**	**18.2141**	**1.1320**	**19.3019**	**9.9699**	**1.0414**	**10.9706**	**0.0000**	**6,147.852**	**6,147.8526**	**1.9463**	**0.0000**	**6,196.510**

3.0 Construction Detail

Construction Phase

Phase	Phase Name	Phase Type	Start Date	End Date	Num Days	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2025	1/10/2025	5	8	
2	Grading	Grading	1/11/2025	2/6/2025	5	19	
3	Building Construction	Building Construction	2/27/2025	11/19/2025	5	190	
4	Utilities	Trenching	2/7/2025	2/26/2025	5	14	
5	Paving	Paving	11/20/2025	12/9/2025	5	14	
6	Architectural Coating	Architectural Coating	12/10/2025	12/29/2025	5	14	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 23

Acres of Paving: 0

Residential Indoor: 185,895; Residential Outdoor: 61,965; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48
Utilities	Excavators	4	8.00	158	0.38
Utilities	Rubber Tired Loaders	2	8.00	203	0.36

Trips and VMT

Phase Name	Offroad Equipment	Worker Trip	Vendor Trip	Hauling Trip	Worker Trip	Vendor Trip	Hauling Trip	Worker Vehicle	Vendor	Hauling
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	18.00	5.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	4.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Utilities	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.2 Site Preparation - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999		3,689.103	3,689.1037	1.1931		3,718.932
Total	**2.4727**	**25.2339**	**17.9118**	**0.0381**	**18.0663**	**1.0868**	**19.1531**	**9.9307**	**0.9999**	**10.9305**		**3,689.103**	**3,689.1037**	**1.1931**		**3,718.932**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0732	0.0291	0.4248	1.2600e-	0.1479	9.6000e-	0.1488	0.0392	8.8000e-	0.0401		125.6141	125.6141	2.7900e-		125.6838
Total	**0.0732**	**0.0291**	**0.4248**	**1.2600e-**	**0.1479**	**9.6000e-**	**0.1488**	**0.0392**	**8.8000e-**	**0.0401**		**125.6141**	**125.6141**	**2.7900e-**		**125.6838**

3.3 Grading - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Fugitive Dust					7.3059	0.0000	7.3059	3.4488	0.0000	3.4488			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404		6,008.281	6,008.2814	1.9432		6,056.861
Total	**2.9012**	**27.9429**	**26.3311**	**0.0621**	**7.3059**	**1.1309**	**8.4367**	**3.4488**	**1.0404**	**4.4893**		**6,008.281**	**6,008.2814**	**1.9432**		**6,056.861**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0813	0.0323	0.4720	1.4000e-	0.1643	1.0700e-	0.1654	0.0436	9.8000e-	0.0446		139.5712	139.5712	3.1000e-		139.6487
Total	**0.0813**	**0.0323**	**0.4720**	**1.4000e-**	**0.1643**	**1.0700e-**	**0.1654**	**0.0436**	**9.8000e-**	**0.0446**		**139.5712**	**139.5712**	**3.1000e-**		**139.6487**

3.4 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474	2,556.4744	0.6010		2,571.498
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.474**	**2,556.4744**	**0.6010**		**2,571.498**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0119	0.4115	0.1425	1.2900e-	0.0337	8.1000e-	0.0345	9.6700e-	7.8000e-	0.0105		135.1010	135.1010	1.6700e-		135.1428
Worker	0.0732	0.0291	0.4248	1.2600e-	0.1479	9.6000e-	0.1488	0.0392	8.8000e-	0.0401		125.6141	125.6141	2.7900e-		125.6838
Total	**0.0851**	**0.4406**	**0.5673**	**2.5500e-**	**0.1815**	**1.7700e-**	**0.1833**	**0.0489**	**1.6600e-**	**0.0506**		**260.7150**	**260.7150**	**4.4600e-**		**260.8266**

3.5 Utilities - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Off-Road	1.1257	8.6040	15.9806	0.0332		0.3644	0.3644		0.3353	0.3353		3,212.595	3,212.5952	1.0390		3,238.570
Total	**1.1257**	**8.6040**	**15.9806**	**0.0332**		**0.3644**	**0.3644**		**0.3353**	**0.3353**		**3,212.595**	**3,212.5952**	**1.0390**		**3,238.570**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0610	0.0242	0.3540	1.0500e-	0.1232	8.0000e-	0.1240	0.0327	7.4000e-	0.0334		104.6784	104.6784	2.3200e-		104.7365
Total	**0.0610**	**0.0242**	**0.3540**	**1.0500e-**	**0.1232**	**8.0000e-**	**0.1240**	**0.0327**	**7.4000e-**	**0.0334**		**104.6784**	**104.6784**	**2.3200e-**		**104.7365**

3.6 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745	2,206.7452	0.7137		2,224.587
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9152**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**		**2,206.745**	**2,206.7452**	**0.7137**		**2,224.587**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0610	0.0242	0.3540	1.0500e-	0.1232	8.0000e-	0.1240	0.0327	7.4000e-	0.0334		104.6784	104.6784	2.3200e-		104.7365
Total	**0.0610**	**0.0242**	**0.3540**	**1.0500e-**	**0.1232**	**8.0000e-**	**0.1240**	**0.0327**	**7.4000e-**	**0.0334**		**104.6784**	**104.6784**	**2.3200e-**		**104.7365**

3.7 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	123.0891					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**123.2599**	**1.1455**	**1.8091**	**2.9700e-**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0163	6.4600e-	0.0944	2.8000e-	0.0329	2.1000e-	0.0331	8.7200e-	2.0000e-	8.9100e-		27.9142	27.9142	6.2000e-		27.9297
Total	**0.0163**	**6.4600e-**	**0.0944**	**2.8000e-**	**0.0329**	**2.1000e-**	**0.0331**	**8.7200e-**	**2.0000e-**	**8.9100e-**		**27.9142**	**27.9142**	**6.2000e-**		**27.9297**

LRVSP Construction 2026 - El Dorado-Mountain County County, Summer

LRVSP Construction 2026
El Dorado-Mountain County County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	51.00	Dwelling Unit	23.00	91,800.00	146

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	70
Climate Zone	1			**Operational Year**	2050
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	641.35	**CH4 Intensity**	0.029	**N2O Intensity**	0.006

1.3 User Entered Comments & Non-Default Data

Land Use - Acres from project description
Construction Phase - Assumed construction schedule of one-year.
Off-road Equipment - Equipment per applicant.
Grading - Acres from project description.
Architectural Coating - all construction in EDCAQMD must apply coatings with VOC contents of 150 g/L or less, effective 1/1/2018

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tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblConstructionPhase	NumDays	10.00	8.00
tblConstructionPhase	NumDays	35.00	19.00
tblConstructionPhase	NumDays	370.00	190.00
tblConstructionPhase	NumDays	20.00	14.00
tblConstructionPhase	NumDays	20.00	14.00

tblConstructionPhase	PhaseEndDate	1/14/2026	1/12/2026
tblConstructionPhase	PhaseEndDate	3/4/2026	2/6/2026
tblConstructionPhase	PhaseEndDate	3/4/2026	2/26/2026
tblConstructionPhase	PhaseEndDate	8/4/2027	11/19/2026
tblConstructionPhase	PhaseEndDate	9/1/2027	12/9/2026
tblConstructionPhase	PhaseEndDate	9/29/2027	12/29/2026
tblConstructionPhase	PhaseStartDate	1/15/2026	1/13/2026
tblConstructionPhase	PhaseStartDate	3/5/2026	2/7/2026
tblConstructionPhase	PhaseStartDate	3/5/2026	2/27/2026
tblConstructionPhase	PhaseStartDate	8/5/2027	11/20/2026
tblConstructionPhase	PhaseStartDate	9/2/2027	12/10/2026
tblGrading	AcresOfGrading	47.50	23.00
tblLandUse	LotAcreage	16.56	23.00
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2026	123.2753	27.9723	26.7697	0.0634	18.2141	1.1319	19.3018	9.9699	1.0414	10.9706	0.0000	6,142.760	6,142.7607	1.9460	0.0000	6,191.411
Maximum	**123.2753**	**27.9723**	**26.7697**	**0.0634**	**18.2141**	**1.1319**	**19.3018**	**9.9699**	**1.0414**	**10.9706**	**0.0000**	**6,142.760**	**6,142.7607**	**1.9460**	**0.0000**	**6,191.411**

3.0 Construction Detail

Construction Phase

Phase	Phase Name	Phase Type	Start Date	End Date	Num Days	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2026	1/12/2026	5	8	
2	Grading	Grading	1/13/2026	2/6/2026	5	19	
3	Building Construction	Building Construction	2/27/2026	11/19/2026	5	190	
4	Utilities	Trenching	2/7/2026	2/26/2026	5	14	
5	Paving	Paving	11/20/2026	12/9/2026	5	14	
6	Architectural Coating	Architectural Coating	12/10/2026	12/29/2026	5	14	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 23

Acres of Paving: 0

Residential Indoor: 185,895; Residential Outdoor: 61,965; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48
Utilities	Excavators	4	8.00	158	0.38
Utilities	Rubber Tired Loaders	2	8.00	203	0.36

Trips and VMT

Phase Name	Offroad Equipment	Worker Trip	Vendor Trip	Hauling Trip	Worker Trip	Vendor Trip	Hauling Trip	Worker Vehicle	Vendor	Hauling
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	18.00	5.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	4.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Utilities	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.2 Site Preparation - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000

Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999		3,689.103	3,689.1037	1.1931		3,718.932
Total	**2.4727**	**25.2339**	**17.9118**	**0.0381**	**18.0663**	**1.0868**	**19.1531**	**9.9307**	**0.9999**	**10.9305**		**3,689.103**	**3,689.1037**	**1.1931**		**3,718.932**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0693	0.0265	0.3947	1.2100e-	0.1479	9.2000e-	0.1488	0.0392	8.5000e-	0.0401		121.0313	121.0313	2.5300e-		121.0946
Total	**0.0693**	**0.0265**	**0.3947**	**1.2100e-**	**0.1479**	**9.2000e-**	**0.1488**	**0.0392**	**8.5000e-**	**0.0401**		**121.0313**	**121.0313**	**2.5300e-**		**121.0946**

3.3 Grading - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.3059	0.0000	7.3059	3.4488	0.0000	3.4488			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404		6,008.281	6,008.2814	1.9432		6,056.861
Total	**2.9012**	**27.9429**	**26.3311**	**0.0621**	**7.3059**	**1.1309**	**8.4367**	**3.4488**	**1.0404**	**4.4893**		**6,008.281**	**6,008.2814**	**1.9432**		**6,056.861**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0770	0.0294	0.4386	1.3500e-	0.1643	1.0300e-	0.1653	0.0436	9.5000e-	0.0445		134.4792	134.4792	2.8100e-		134.5495
Total	**0.0770**	**0.0294**	**0.4386**	**1.3500e-**	**0.1643**	**1.0300e-**	**0.1653**	**0.0436**	**9.5000e-**	**0.0445**		**134.4792**	**134.4792**	**2.8100e-**		**134.5495**

3.4 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474	2,556.4744	0.6010		2,571.498
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.474**	**2,556.4744**	**0.6010**		**2,571.498**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0115	0.4005	0.1385	1.2900e-	0.0337	7.5000e-	0.0344	9.6700e-	7.2000e-	0.0104		134.5449	134.5449	1.6000e-		134.5848
Worker	0.0693	0.0265	0.3947	1.2100e-	0.1479	9.2000e-	0.1488	0.0392	8.5000e-	0.0401		121.0313	121.0313	2.5300e-		121.0946
Total	**0.0808**	**0.4270**	**0.5332**	**2.5000e-**	**0.1815**	**1.6700e-**	**0.1832**	**0.0489**	**1.5700e-**	**0.0505**		**255.5762**	**255.5762**	**4.1300e-**		**255.6793**

3.5 Utilities - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Off-Road	1.1257	8.6040	15.9806	0.0332		0.3644	0.3644		0.3353	0.3353		3,212.595	3,212.5952	1.0390		3,238.570
Total	**1.1257**	**8.6040**	**15.9806**	**0.0332**		**0.3644**	**0.3644**		**0.3353**	**0.3353**		**3,212.595**	**3,212.5952**	**1.0390**		**3,238.570**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0578	0.0221	0.3289	1.0100e-	0.1232	7.7000e-	0.1240	0.0327	7.1000e-	0.0334		100.8594	100.8594	2.1100e-		100.9121
Total	**0.0578**	**0.0221**	**0.3289**	**1.0100e-**	**0.1232**	**7.7000e-**	**0.1240**	**0.0327**	**7.1000e-**	**0.0334**		**100.8594**	**100.8594**	**2.1100e-**		**100.9121**

3.6 Paving - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745	2,206.7452	0.7137		2,224.587
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9152**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**		**2,206.745**	**2,206.7452**	**0.7137**		**2,224.587**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0578	0.0221	0.3289	1.0100e-	0.1232	7.7000e-	0.1240	0.0327	7.1000e-	0.0334		100.8594	100.8594	2.1100e-		100.9121
Total	**0.0578**	**0.0221**	**0.3289**	**1.0100e-**	**0.1232**	**7.7000e-**	**0.1240**	**0.0327**	**7.1000e-**	**0.0334**		**100.8594**	**100.8594**	**2.1100e-**		**100.9121**

3.7 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	123.0891					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**123.2599**	**1.1455**	**1.8091**	**2.9700e-**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0154	5.8800e-	0.0877	2.7000e-	0.0329	2.1000e-	0.0331	8.7200e-	1.9000e-	8.9000e-		26.8959	26.8959	5.6000e-		26.9099
Total	**0.0154**	**5.8800e-**	**0.0877**	**2.7000e-**	**0.0329**	**2.1000e-**	**0.0331**	**8.7200e-**	**1.9000e-**	**8.9000e-**		**26.8959**	**26.8959**	**5.6000e-**		**26.9099**

LRVSP Construction 2027 - El Dorado-Mountain County County, Summer

LRVSP Construction 2027
El Dorado-Mountain County County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	51.00	Dwelling Unit	23.00	91,800.00	146

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	70
Climate Zone	1			**Operational Year**	2050
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	641.35	**CH4 Intensity**	0.029	**N2O Intensity**	0.006

1.3 User Entered Comments & Non-Default Data

Land Use - Acres from project description
Construction Phase - Assumed construction schedule of one-year.
Off-road Equipment - Equipment per applicant.
Grading - Acres from project description.
Architectural Coating - all construction in EDCAQMD must apply coatings with VOC contents of 150 g/L or less, effective 1/1/2018

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	8.00
tblConstructionPhase	NumDays	35.00	19.00
tblConstructionPhase	NumDays	370.00	190.00
tblConstructionPhase	NumDays	20.00	14.00
tblConstructionPhase	NumDays	20.00	14.00
tblConstructionPhase	PhaseEndDate	1/14/2027	1/12/2027
tblConstructionPhase	PhaseEndDate	3/4/2027	2/8/2027
tblConstructionPhase	PhaseEndDate	3/4/2027	2/26/2027
tblConstructionPhase	PhaseEndDate	8/3/2028	11/19/2027

tblConstructionPhase	PhaseEndDate	8/31/2028	12/9/2027
tblConstructionPhase	PhaseEndDate	9/28/2028	12/29/2027
tblConstructionPhase	PhaseStartDate	1/15/2027	1/13/2027
tblConstructionPhase	PhaseStartDate	3/5/2027	2/9/2027
tblConstructionPhase	PhaseStartDate	3/5/2027	2/27/2027
tblConstructionPhase	PhaseStartDate	8/4/2028	11/20/2027
tblConstructionPhase	PhaseStartDate	9/1/2028	12/10/2027
tblGrading	AcresOfGrading	47.50	23.00
tblLandUse	LotAcreage	16.56	23.00
tblOffRoadEquipment	OffRoadEquipmentType	4	Excavators
tblOffRoadEquipment	OffRoadEquipmentType	2	Rubber Tired Loaders

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2027	123.2744	27.9697	26.7385	0.0634	18.2141	1.1319	19.3018	9.9699	1.0413	10.9706	0.0000	6,138.217	6,138.2170	1.9457	0.0000	6,186.860
Maximum	**123.2744**	**27.9697**	**26.7385**	**0.0634**	**18.2141**	**1.1319**	**19.3018**	**9.9699**	**1.0413**	**10.9706**	**0.0000**	**6,138.217**	**6,138.2170**	**1.9457**	**0.0000**	**6,186.860**

3.0 Construction Detail

Construction Phase

Phase	Phase Name	Phase Type	Start Date	End Date	Num Days	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2027	1/12/2027	5	8	
2	Grading	Grading	1/13/2027	2/8/2027	5	19	
3	Building Construction	Building Construction	2/27/2027	11/19/2027	5	190	
4	Utilities	Trenching	2/9/2027	2/26/2027	5	14	
5	Paving	Paving	11/20/2027	12/9/2027	5	14	
6	Architectural Coating	Architectural Coating	12/10/2027	12/29/2027	5	14	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 23

Acres of Paving: 0

Residential Indoor: 185,895; Residential Outdoor: 61,965; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48
Utilities	Excavators	4	8.00	158	0.38
Utilities	Rubber Tired Loaders	2	8.00	203	0.36

Trips and VMT

Phase Name	Offroad Equipment	Worker Trip	Vendor Trip	Hauling Trip	Worker Trip	Vendor Trip	Hauling Trip	Worker Vehicle	Vendor	Hauling
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	18.00	5.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	4.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Utilities	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.2 Site Preparation - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999		3,689.103	3,689.1037	1.1931		3,718.932
Total	**2.4727**	**25.2339**	**17.9118**	**0.0381**	**18.0663**	**1.0868**	**19.1531**	**9.9307**	**0.9999**	**10.9305**		**3,689.103**	**3,689.1037**	**1.1931**		**3,718.932**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0653	0.0241	0.3667	1.1700e-	0.1479	8.7000e-	0.1487	0.0392	8.0000e-	0.0400		116.9420	116.9420	2.2900e-		116.9993
Total	**0.0653**	**0.0241**	**0.3667**	**1.1700e-**	**0.1479**	**8.7000e-**	**0.1487**	**0.0392**	**8.0000e-**	**0.0400**		**116.9420**	**116.9420**	**2.2900e-**		**116.9993**

3.3 Grading - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.3059	0.0000	7.3059	3.4488	0.0000	3.4488			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404		6,008.281	6,008.2814	1.9432		6,056.861
Total	**2.9012**	**27.9429**	**26.3311**	**0.0621**	**7.3059**	**1.1309**	**8.4367**	**3.4488**	**1.0404**	**4.4893**		**6,008.281**	**6,008.2814**	**1.9432**		**6,056.861**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0726	0.0268	0.4075	1.3000e-	0.1643	9.7000e-	0.1653	0.0436	8.9000e-	0.0445		129.9356	129.9356	2.5400e-		129.9992
Total	**0.0726**	**0.0268**	**0.4075**	**1.3000e-**	**0.1643**	**9.7000e-**	**0.1653**	**0.0436**	**8.9000e-**	**0.0445**		**129.9356**	**129.9356**	**2.5400e-**		**129.9992**

3.4 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474	2,556.4744	0.6010		2,571.498
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.474**	**2,556.4744**	**0.6010**		**2,571.498**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0112	0.3900	0.1353	1.2800e-	0.0337	7.0000e-	0.0344	9.6700e-	6.7000e-	0.0103		133.9881	133.9881	1.5400e-		134.0266
Worker	0.0653	0.0241	0.3667	1.1700e-	0.1479	8.7000e-	0.1487	0.0392	8.0000e-	0.0400		116.9420	116.9420	2.2900e-		116.9993
Total	**0.0765**	**0.4141**	**0.5020**	**2.4500e-**	**0.1815**	**1.5700e-**	**0.1831**	**0.0489**	**1.4700e-**	**0.0504**		**250.9302**	**250.9302**	**3.8300e-**		**251.0258**

3.5 Utilities - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Off-Road	1.1257	8.6040	15.9806	0.0332		0.3644	0.3644		0.3353	0.3353		3,212.595	3,212.5952	1.0390		3,238.570
Total	**1.1257**	**8.6040**	**15.9806**	**0.0332**		**0.3644**	**0.3644**		**0.3353**	**0.3353**		**3,212.595**	**3,212.5952**	**1.0390**		**3,238.570**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0544	0.0201	0.3056	9.8000e-	0.1232	7.3000e-	0.1240	0.0327	6.7000e-	0.0334		97.4517	97.4517	1.9100e-		97.4994
Total	**0.0544**	**0.0201**	**0.3056**	**9.8000e-**	**0.1232**	**7.3000e-**	**0.1240**	**0.0327**	**6.7000e-**	**0.0334**		**97.4517**	**97.4517**	**1.9100e-**		**97.4994**

3.6 Paving - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745	2,206.7452	0.7137		2,224.587
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9152**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**		**2,206.745**	**2,206.7452**	**0.7137**		**2,224.587**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.0544	0.0201	0.3056	9.8000e-	0.1232	7.3000e-	0.1240	0.0327	6.7000e-	0.0334		97.4517	97.4517	1.9100e-		97.4994
Total	**0.0544**	**0.0201**	**0.3056**	**9.8000e-**	**0.1232**	**7.3000e-**	**0.1240**	**0.0327**	**6.7000e-**	**0.0334**		**97.4517**	**97.4517**	**1.9100e-**		**97.4994**

3.7 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	123.0891					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**123.2599**	**1.1455**	**1.8091**	**2.9700e-**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0145	5.3600e-	0.0815	2.6000e-	0.0329	1.9000e-	0.0331	8.7200e-	1.8000e-	8.8900e-		25.9871	25.9871	5.1000e-		25.9998
Total	**0.0145**	**5.3600e-**	**0.0815**	**2.6000e-**	**0.0329**	**1.9000e-**	**0.0331**	**8.7200e-**	**1.8000e-**	**8.8900e-**		**25.9871**	**25.9871**	**5.1000e-**		**25.9998**

LRVSP Construction 2028 - El Dorado-Mountain County County, Summer

LRVSP Construction 2028
El Dorado-Mountain County County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	51.00	Dwelling Unit	23.00	91,800.00	146

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	70
Climate Zone	1			**Operational Year**	2050
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	641.35	**CH4 Intensity**	0.029	**N2O Intensity**	0.006

1.3 User Entered Comments & Non-Default Data

Land Use - Acres from project description
Construction Phase - Assumed construction schedule of one-year.
Off-road Equipment - Equipment per applicant.
Grading - Acres from project description.
Architectural Coating - all construction in EDCAQMD must apply coatings with VOC contents of 150 g/L or less, effective 1/1/2018

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblConstructionPhase	NumDays	10.00	8.00
tblConstructionPhase	NumDays	35.00	19.00
tblConstructionPhase	NumDays	370.00	190.00
tblConstructionPhase	NumDays	20.00	14.00
tblConstructionPhase	NumDays	20.00	14.00

tblGrading	AcresOfGrading	47.50	23.00
tblLandUse	LotAcreage	16.56	23.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	PhaseName	4	Utilities
tblOffRoadEquipment	PhaseName	2	Utilities

2.0 Emissions Summarv

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2028	123.2735	27.9673	26.7110	0.0633	18.2141	1.1318	19.3017	9.9699	1.0413	10.9705	0.0000	6,134.189	6,134.1892	1.9455	0.0000	6,182.827
Maximum	**123.2735**	**27.9673**	**26.7110**	**0.0633**	**18.2141**	**1.1318**	**19.3017**	**9.9699**	**1.0413**	**10.9705**	**0.0000**	**6,134.189**	**6,134.1892**	**1.9455**	**0.0000**	**6,182.827**

3.0 Construction Detail

Construction Phase

Phase	Phase Name	Phase Type	Start Date	End Date	Num Days	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2028	1/12/2028	5	8	
2	Grading	Grading	1/13/2028	2/8/2028	5	19	
3	Utilities	Trenching	2/9/2028	2/28/2028	5	14	
4	Building Construction	Building Construction	2/29/2028	11/20/2028	5	190	
5	Paving	Paving	11/21/2028	12/8/2028	5	14	
6	Architectural Coating	Architectural Coating	12/9/2028	12/28/2028	5	14	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 23

Acres of Paving: 0

Residential Indoor: 185,895; Residential Outdoor: 61,965; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40

Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Utilities	Excavators	4	8.00	158	0.38
Utilities	Rubber Tired Loaders	2	8.00	203	0.36
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment	Worker Trip	Vendor Trip	Hauling Trip	Worker Trip	Vendor Trip	Hauling Trip	Worker Vehicle	Vendor	Hauling
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	18.00	5.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Utilities	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	4.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.2 Site Preparation - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999		3,689.103	3,689.1037	1.1931		3,718.932
Total	**2.4727**	**25.2339**	**17.9118**	**0.0381**	**18.0663**	**1.0868**	**19.1531**	**9.9307**	**0.9999**	**10.9305**		**3,689.103**	**3,689.1037**	**1.1931**		**3,718.932**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0611	0.0220	0.3420	1.1400e-	0.1479	8.1000e-	0.1487	0.0392	7.5000e-	0.0400		113.3169	113.3169	2.0800e-		113.3690
Total	**0.0611**	**0.0220**	**0.3420**	**1.1400e-**	**0.1479**	**8.1000e-**	**0.1487**	**0.0392**	**7.5000e-**	**0.0400**		**113.3169**	**113.3169**	**2.0800e-**		**113.3690**

3.3 Grading - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.3059	0.0000	7.3059	3.4488	0.0000	3.4488			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404		6,008.281	6,008.2814	1.9432		6,056.861
Total	**2.9012**	**27.9429**	**26.3311**	**0.0621**	**7.3059**	**1.1309**	**8.4367**	**3.4488**	**1.0404**	**4.4893**		**6,008.281**	**6,008.2814**	**1.9432**		**6,056.861**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0679	0.0244	0.3799	1.2600e-	0.1643	9.0000e-	0.1652	0.0436	8.3000e-	0.0444		125.9077	125.9077	2.3100e-		125.9656
Total	**0.0679**	**0.0244**	**0.3799**	**1.2600e-**	**0.1643**	**9.0000e-**	**0.1652**	**0.0436**	**8.3000e-**	**0.0444**		**125.9077**	**125.9077**	**2.3100e-**		**125.9656**

3.4 Utilities - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1257	8.6040	15.9806	0.0332		0.3644	0.3644		0.3353	0.3353		3,212.595	3,212.5952	1.0390		3,238.570
Total	**1.1257**	**8.6040**	**15.9806**	**0.0332**		**0.3644**	**0.3644**		**0.3353**	**0.3353**		**3,212.595**	**3,212.5952**	**1.0390**		**3,238.570**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0509	0.0183	0.2850	9.5000e-	0.1232	6.8000e-	0.1239	0.0327	6.2000e-	0.0333		94.4308	94.4308	1.7400e-		94.4742
Total	**0.0509**	**0.0183**	**0.2850**	**9.5000e-**	**0.1232**	**6.8000e-**	**0.1239**	**0.0327**	**6.2000e-**	**0.0333**		**94.4308**	**94.4308**	**1.7400e-**		**94.4742**

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474	2,556.4744	0.6010		2,571.498
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.474**	**2,556.4744**	**0.6010**		**2,571.498**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0109	0.3808	0.1329	1.2800e-	0.0337	6.6000e-	0.0343	9.6800e-	6.3000e-	0.0103		133.4799	133.4799	1.4900e-		133.5171
Worker	0.0611	0.0220	0.3420	1.1400e-	0.1479	8.1000e-	0.1487	0.0392	7.5000e-	0.0400		113.3169	113.3169	2.0800e-		113.3690
Total	**0.0720**	**0.4028**	**0.4749**	**2.4200e-**	**0.1815**	**1.4700e-**	**0.1830**	**0.0489**	**1.3800e-**	**0.0503**		**246.7968**	**246.7968**	**3.5700e-**		**246.8861**

3.6 Paving - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745	2,206.7452	0.7137		2,224.587
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9152**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**		**2,206.745**	**2,206.7452**	**0.7137**		**2,224.587**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0509	0.0183	0.2850	9.5000e-	0.1232	6.8000e-	0.1239	0.0327	6.2000e-	0.0333		94.4308	94.4308	1.7400e-		94.4742
Total	**0.0509**	**0.0183**	**0.2850**	**9.5000e-**	**0.1232**	**6.8000e-**	**0.1239**	**0.0327**	**6.2000e-**	**0.0333**		**94.4308**	**94.4308**	**1.7400e-**		**94.4742**

3.7 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Archit. Coating	123.0891					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**123.2599**	**1.1455**	**1.8091**	**2.9700e-**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0136	4.8800e-	0.0760	2.5000e-	0.0329	1.8000e-	0.0330	8.7200e-	1.7000e-	8.8800e-		25.1815	25.1815	4.6000e-		25.1931
Total	**0.0136**	**4.8800e-**	**0.0760**	**2.5000e-**	**0.0329**	**1.8000e-**	**0.0330**	**8.7200e-**	**1.7000e-**	**8.8800e-**		**25.1815**	**25.1815**	**4.6000e-**		**25.1931**

LRVSP Construction 2029 - El Dorado-Mountain County County, Summer

LRVSP Construction 2029
El Dorado-Mountain County County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	9.00	Acre	22.00	392,040.00	0
Single Family Housing	50.00	Dwelling Unit	22.00	90,000.00	143

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	70
Climate Zone	1			**Operational Year**	2050
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	641.35	**CH4 Intensity**	0.029	**N2O Intensity**	0.006

1.3 User Entered Comments & Non-Default Data

Land Use - Acres from project description
Construction Phase - Assumed construction schedule of one-year.
Off-road Equipment - Equipment per applicant.
Grading - Acres from project description.
Architectural Coating - all construction in EDCAQMD must apply coatings with VOC contents of 150 g/L or less, effective 1/1/2018

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	23,522.00	0.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblConstructionPhase	NumDays	30.00	8.00
tblConstructionPhase	NumDays	75.00	19.00

tblConstructionPhase	NumDays	740.00	190.00
tblConstructionPhase	NumDays	55.00	14.00
tblConstructionPhase	NumDays	55.00	14.00
tblConstructionPhase	PhaseEndDate	2/9/2029	1/10/2029
tblConstructionPhase	PhaseEndDate	5/25/2029	2/6/2029
tblConstructionPhase	PhaseEndDate	3/26/2032	11/19/2029
tblConstructionPhase	PhaseEndDate	6/11/2032	12/7/2029
tblConstructionPhase	PhaseEndDate	8/27/2032	12/27/2029
tblConstructionPhase	PhaseStartDate	2/10/2029	1/11/2029
tblConstructionPhase	PhaseStartDate	5/26/2029	2/27/2029
tblConstructionPhase	PhaseStartDate	3/27/2032	11/20/2029
tblConstructionPhase	PhaseStartDate	6/12/2032	12/8/2029
tblGrading	AcresOfGrading	47.50	44.00
tblLandUse	LotAcreage	9.00	22.00
tblLandUse	LotAcreage	16.23	22.00
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	OffRoadEquipmentType	4	Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType	2	Excavators

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2029	120.9628	27.9652	26.6854	0.0633	18.2141	1.1317	19.3017	9.9699	1.0412	10.9704	0.0000	6,130.628	6,130.6283	1.9453	0.0000	6,179.260
Maximum	**120.9628**	**27.9652**	**26.6854**	**0.0633**	**18.2141**	**1.1317**	**19.3017**	**9.9699**	**1.0412**	**10.9704**	**0.0000**	**6,130.628**	**6,130.6283**	**1.9453**	**0.0000**	**6,179.260**

3.0 Construction Detail

Construction Phase

Phase	Phase Name	Phase Type	Start Date	End Date	Num Days	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2029	1/10/2029	5	8	
2	Grading	Grading	1/11/2029	2/6/2029	5	19	
3	Building Construction	Building Construction	2/27/2029	11/19/2029	5	190	
4	Paving	Paving	11/20/2029	12/7/2029	5	14	
5	Architectural Coating	Architectural Coating	12/8/2029	12/27/2029	5	14	
6	Utilities	Trenching	2/7/2029	2/26/2029	5	14	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 44

Acres of Paving: 22

Residential Indoor: 182,250; Residential Outdoor: 60,750; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48
Utilities	Rubber Tired Loaders	2	8.00	203	0.36
Utilities	Excavators	4	8.00	158	0.38

Trips and VMT

Phase Name	Offroad Equipment	Worker Trip	Vendor Trip	Hauling Trip	Worker Trip	Vendor Trip	Hauling Trip	Worker Vehicle	Vendor	Hauling
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	183.00	70.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	37.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Utilities	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.2 Site Preparation - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999		3,689.103	3,689.1037	1.1931		3,718.932
Total	**2.4727**	**25.2339**	**17.9118**	**0.0381**	**18.0663**	**1.0868**	**19.1531**	**9.9307**	**0.9999**	**10.9305**		**3,689.103**	**3,689.1037**	**1.1931**		**3,718.932**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0567	0.0200	0.3189	1.1000e-	0.1479	7.5000e-	0.1486	0.0392	6.9000e-	0.0399		110.1121	110.1121	1.8900e-		110.1595
Total	**0.0567**	**0.0200**	**0.3189**	**1.1000e-**	**0.1479**	**7.5000e-**	**0.1486**	**0.0392**	**6.9000e-**	**0.0399**		**110.1121**	**110.1121**	**1.8900e-**		**110.1595**

3.3 Grading - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.4780	0.0000	8.4780	3.5754	0.0000	3.5754			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404		6,008.281	6,008.2814	1.9432		6,056.861
Total	**2.9012**	**27.9429**	**26.3311**	**0.0621**	**8.4780**	**1.1309**	**9.6089**	**3.5754**	**1.0404**	**4.6158**		**6,008.281**	**6,008.2814**	**1.9432**		**6,056.861**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0629	0.0223	0.3543	1.2300e-	0.1643	8.3000e-	0.1651	0.0436	7.7000e-	0.0444		122.3468	122.3468	2.1000e-		122.3994
Total	**0.0629**	**0.0223**	**0.3543**	**1.2300e-**	**0.1643**	**8.3000e-**	**0.1651**	**0.0436**	**7.7000e-**	**0.0444**		**122.3468**	**122.3468**	**2.1000e-**		**122.3994**

3.4 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474	2,556.4744	0.6010		2,571.498

Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.474**	**2,556.4744**	**0.6010**		**2,571.498**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1493	5.2055	1.8308	0.0178	0.4712	8.4100e-	0.4796	0.1355	8.0400e-	0.1435		1,862.367	1,862.3676	0.0202		1,862.871
Worker	0.5759	0.2037	3.2416	0.0112	1.5033	7.6400e-	1.5109	0.3988	7.0200e-	0.4058		1,119.473	1,119.4733	0.0193		1,119.954
Total	**0.7253**	**5.4092**	**5.0724**	**0.0291**	**1.9745**	**0.0161**	**1.9906**	**0.5342**	**0.0151**	**0.5493**		**2,981.841**	**2,981.8410**	**0.0394**		**2,982.826**

3.5 Paving - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745	2,206.7452	0.7137		2,224.587
Paving	4.1171					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**5.0323**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**		**2,206.745**	**2,206.7452**	**0.7137**		**2,224.587**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0472	0.0167	0.2657	9.2000e-	0.1232	6.3000e-	0.1239	0.0327	5.8000e-	0.0333		91.7601	91.7601	1.5800e-		91.7996
Total	**0.0472**	**0.0167**	**0.2657**	**9.2000e-**	**0.1232**	**6.3000e-**	**0.1239**	**0.0327**	**5.8000e-**	**0.0333**		**91.7601**	**91.7601**	**1.5800e-**		**91.7996**

3.6 Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Archit. Coating	120.6755					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**120.8464**	**1.1455**	**1.8091**	**2.9700e-**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1164	0.0412	0.6554	2.2700e-	0.3040	1.5400e-	0.3055	0.0806	1.4200e-	0.0820		226.3416	226.3416	3.8900e-		226.4389
Total	**0.1164**	**0.0412**	**0.6554**	**2.2700e-**	**0.3040**	**1.5400e-**	**0.3055**	**0.0806**	**1.4200e-**	**0.0820**		**226.3416**	**226.3416**	**3.8900e-**		**226.4389**

3.7 Utilities - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Off-Road	1.1313	8.6470	16.0605	0.0334		0.3663	0.3663		0.3370	0.3370		3,228.658	3,228.6582	1.0442		3,254.763
Total	**1.1313**	**8.6470**	**16.0605**	**0.0334**		**0.3663**	**0.3663**		**0.3370**	**0.3370**		**3,228.658**	**3,228.6582**	**1.0442**		**3,254.763**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0472	0.0167	0.2657	9.2000e-	0.1232	6.3000e-	0.1239	0.0327	5.8000e-	0.0333		91.7601	91.7601	1.5800e-		91.7996
Total	**0.0472**	**0.0167**	**0.2657**	**9.2000e-**	**0.1232**	**6.3000e-**	**0.1239**	**0.0327**	**5.8000e-**	**0.0333**		**91.7601**	**91.7601**	**1.5800e-**		**91.7996**

LRVSP Construction 2030 - El Dorado-Mountain County County, Summer

LRVSP Construction 2030
El Dorado-Mountain County County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	50.00	Dwelling Unit	22.00	90,000.00	143

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	70
Climate Zone	1			**Operational Year**	2050
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	641.35	**CH4 Intensity**	0.029	**N2O Intensity**	0.006

1.3 User Entered Comments & Non-Default Data

Land Use - Acres from project description
Construction Phase - Assumed construction schedule of one-year.
Off-road Equipment - Equipment per applicant.
Grading - Acres from project description.
Architectural Coating - all construction in EDCAQMD must apply coatings with VOC contents of 150 g/L or less, effective 1/1/2018

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblConstructionPhase	NumDays	10.00	8.00
tblConstructionPhase	NumDays	35.00	19.00
tblConstructionPhase	NumDays	370.00	190.00
tblConstructionPhase	NumDays	20.00	14.00
tblConstructionPhase	NumDays	20.00	14.00

tblConstructionPhase	PhaseEndDate	1/14/2030	1/10/2030
tblConstructionPhase	PhaseEndDate	3/4/2030	2/6/2030
tblConstructionPhase	PhaseEndDate	8/4/2031	11/19/2030
tblConstructionPhase	PhaseEndDate	9/1/2031	12/9/2030
tblConstructionPhase	PhaseEndDate	9/29/2031	12/27/2030
tblConstructionPhase	PhaseStartDate	1/15/2030	1/11/2030
tblConstructionPhase	PhaseStartDate	3/5/2030	2/27/2030
tblConstructionPhase	PhaseStartDate	8/5/2031	11/20/2030
tblConstructionPhase	PhaseStartDate	9/2/2031	12/10/2030
tblGrading	AcresOfGrading	47.50	22.00
tblLandUse	LotAcreage	16.23	22.00
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	OffRoadEquipmentType	4	Excavators
tblOffRoadEquipment	OffRoadEquipmentType	2	Rubber Tired Loaders

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2030	120.8178	13.8664	23.3543	0.0711	18.2141	0.4887	18.6515	9.9699	0.4886	10.4072	0.0000	7,332.319	7,332.3191	0.2934	0.0000	7,339.654
Maximum	**120.8178**	**13.8664**	**23.3543**	**0.0711**	**18.2141**	**0.4887**	**18.6515**	**9.9699**	**0.4886**	**10.4072**	**0.0000**	**7,332.319**	**7,332.3191**	**0.2934**	**0.0000**	**7,339.654**

3.0 Construction Detail

Construction Phase

Phase	Phase Name	Phase Type	Start Date	End Date	Num Days	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2030	1/10/2030	5	8	
2	Grading	Grading	1/11/2030	2/6/2030	5	19	
3	Building Construction	Building Construction	2/27/2030	11/19/2030	5	190	
4	Paving	Paving	11/20/2030	12/9/2030	5	14	
5	Architectural Coating	Architectural Coating	12/10/2030	12/27/2030	5	14	
6	Utilities	Trenching	2/7/2030	2/26/2030	5	14	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 22

Acres of Paving: 0

Residential Indoor: 182,250; Residential Outdoor: 60,750; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Utilities	Excavators	4	8.00	158	0.38
Utilities	Rubber Tired Loaders	2	8.00	203	0.36
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment	Worker Trip	Vendor Trip	Hauling Trip	Worker Trip	Vendor Trip	Hauling Trip	Worker Vehicle	Vendor	Hauling
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	18.00	5.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Utilities	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	4.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.2 Site Preparation - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.4399	13.6680	16.2918	0.0466		0.4367	0.4367		0.4367	0.4367		4,409.753	4,409.7537	0.2176		4,415.193
Total	**2.4399**	**13.6680**	**16.2918**	**0.0466**	**18.0663**	**0.4367**	**18.5029**	**9.9307**	**0.4367**	**10.3673**		**4,409.753**	**4,409.7537**	**0.2176**		**4,415.193**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0519	0.0182	0.2974	1.0800e-	0.1479	7.0000e-	0.1486	0.0392	6.4000e-	0.0399		107.2895	107.2895	1.7200e-		107.3325
Total	**0.0519**	**0.0182**	**0.2974**	**1.0800e-**	**0.1479**	**7.0000e-**	**0.1486**	**0.0392**	**6.4000e-**	**0.0399**		**107.2895**	**107.2895**	**1.7200e-**		**107.3325**

3.3 Grading - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.2500	0.0000	7.2500	3.4428	0.0000	3.4428			0.0000			0.0000
Off-Road	3.2807	13.8462	23.0239	0.0699		0.4879	0.4879		0.4879	0.4879		7,213.108	7,213.1086	0.2915		7,220.396
Total	**3.2807**	**13.8462**	**23.0239**	**0.0699**	**7.2500**	**0.4879**	**7.7380**	**3.4428**	**0.4879**	**3.9308**		**7,213.108**	**7,213.1086**	**0.2915**		**7,220.396**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0577	0.0203	0.3304	1.2000e-	0.1643	7.7000e-	0.1651	0.0436	7.1000e-	0.0443		119.2106	119.2106	1.9100e-		119.2583
Total	**0.0577**	**0.0203**	**0.3304**	**1.2000e-**	**0.1643**	**7.7000e-**	**0.1651**	**0.0436**	**7.1000e-**	**0.0443**		**119.2106**	**119.2106**	**1.9100e-**		**119.2583**

3.4 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.546	2,897.5468	0.1162		2,900.452
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.546**	**2,897.5468**	**0.1162**		**2,900.452**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0105	0.3642	0.1295	1.2700e-	0.0337	5.6000e-	0.0342	9.6800e-	5.3000e-	0.0102		132.6306	132.6306	1.4100e-		132.6658
Worker	0.0519	0.0182	0.2974	1.0800e-	0.1479	7.0000e-	0.1486	0.0392	6.4000e-	0.0399		107.2895	107.2895	1.7200e-		107.3325
Total	**0.0624**	**0.3824**	**0.4269**	**2.3500e-**	**0.1815**	**1.2600e-**	**0.1828**	**0.0489**	**1.1700e-**	**0.0501**		**239.9201**	**239.9201**	**3.1300e-**		**239.9983**

3.5 Paving - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Off-Road	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.516	2,656.5168	0.1245		2,659.630
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3845**	**7.1202**	**15.8495**	**0.0281**		**0.3306**	**0.3306**		**0.3306**	**0.3306**		**2,656.516**	**2,656.5168**	**0.1245**		**2,659.630**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0433	0.0152	0.2478	9.0000e-	0.1232	5.8000e-	0.1238	0.0327	5.3000e-	0.0332		89.4079	89.4079	1.4300e-		89.4438
Total	**0.0433**	**0.0152**	**0.2478**	**9.0000e-**	**0.1232**	**5.8000e-**	**0.1238**	**0.0327**	**5.3000e-**	**0.0332**		**89.4079**	**89.4079**	**1.4300e-**		**89.4438**

3.6 Architectural Coating - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Archit. Coating	120.6755					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	**120.8063**	**0.8563**	**1.7977**	**2.9700e-**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.7328**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0115	4.0500e-	0.0661	2.4000e-	0.0329	1.5000e-	0.0330	8.7200e-	1.4000e-	8.8600e-		23.8421	23.8421	3.8000e-		23.8517
Total	**0.0115**	**4.0500e-**	**0.0661**	**2.4000e-**	**0.0329**	**1.5000e-**	**0.0330**	**8.7200e-**	**1.4000e-**	**8.8600e-**		**23.8421**	**23.8421**	**3.8000e-**		**23.8517**

3.7 Utilities - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4508	3.9318	17.2598	0.0411		0.1549	0.1549		0.1549	0.1549		3,891.476	3,891.4763	0.1275		3,894.664
Total	**1.4508**	**3.9318**	**17.2598**	**0.0411**		**0.1549**	**0.1549**		**0.1549**	**0.1549**		**3,891.476**	**3,891.4763**	**0.1275**		**3,894.664**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0433	0.0152	0.2478	9.0000e-	0.1232	5.8000e-	0.1238	0.0327	5.3000e-	0.0332		89.4079	89.4079	1.4300e-		89.4438
Total	**0.0433**	**0.0152**	**0.2478**	**9.0000e-**	**0.1232**	**5.8000e-**	**0.1238**	**0.0327**	**5.3000e-**	**0.0332**		**89.4079**	**89.4079**	**1.4300e-**		**89.4438**

LRVSP Construction 2031 - El Dorado-Mountain County County, Summer

LRVSP Construction 2031
El Dorado-Mountain County County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	50.00	Dwelling Unit	22.00	90,000.00	143

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	70
Climate Zone	1			**Operational Year**	2050
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	641.35	**CH4 Intensity**	0.029	**N2O Intensity**	0.006

1.3 User Entered Comments & Non-Default Data

Land Use - Acres from project description
Construction Phase - Assumed construction schedule of one-year.
Off-road Equipment - Equipment per applicant.
Grading - Acres from project description.
Grading - Acres from project description.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblConstructionPhase	NumDays	10.00	8.00
tblConstructionPhase	NumDays	35.00	19.00
tblConstructionPhase	NumDays	370.00	190.00
tblConstructionPhase	NumDays	20.00	14.00
tblConstructionPhase	NumDays	20.00	14.00
tblConstructionPhase	PhaseEndDate	1/14/2031	1/10/2031

tblConstructionPhase	PhaseEndDate	3/4/2031	2/6/2031
tblConstructionPhase	PhaseEndDate	3/4/2031	2/26/2031
tblConstructionPhase	PhaseEndDate	8/3/2032	11/19/2031
tblConstructionPhase	PhaseEndDate	8/31/2032	12/9/2031
tblConstructionPhase	PhaseEndDate	9/28/2032	12/29/2031
tblConstructionPhase	PhaseStartDate	1/15/2031	1/11/2031
tblConstructionPhase	PhaseStartDate	3/5/2031	2/7/2031
tblConstructionPhase	PhaseStartDate	3/5/2031	2/27/2031
tblConstructionPhase	PhaseStartDate	8/4/2032	11/20/2031
tblConstructionPhase	PhaseStartDate	9/1/2032	12/10/2031
tblGrading	AcresOfGrading	47.50	22.00
tblLandUse	LotAcreage	16.23	22.00
tblOffRoadEquipment	OffRoadEquipmentType	4	Excavators
tblOffRoadEquipment	OffRoadEquipmentType	2	Rubber Tired Loaders

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2031	120.8167	13.8646	23.3320	0.0711	18.2141	0.4887	18.6514	9.9699	0.4886	10.4072	0.0000	7,329.574	7,329.5746	0.2932	0.0000	7,336.905
Maximum	**120.8167**	**13.8646**	**23.3320**	**0.0711**	**18.2141**	**0.4887**	**18.6514**	**9.9699**	**0.4886**	**10.4072**	**0.0000**	**7,329.574**	**7,329.5746**	**0.2932**	**0.0000**	**7,336.905**

3.0 Construction Detail

Construction Phase

Phase	Phase Name	Phase Type	Start Date	End Date	Num Days	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2031	1/10/2031	5	8	
2	Grading	Grading	1/11/2031	2/6/2031	5	19	
3	Building Construction	Building Construction	2/27/2031	11/19/2031	5	190	
4	Utilities	Trenching	2/7/2031	2/26/2031	5	14	
5	Paving	Paving	11/20/2031	12/9/2031	5	14	
6	Architectural Coating	Architectural Coating	12/10/2031	12/29/2031	5	14	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 22

Acres of Paving: 0

Residential Indoor: 182,250; Residential Outdoor: 60,750; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Utilities	Excavators	4	8.00	158	0.38
Utilities	Rubber Tired Loaders	2	8.00	203	0.36
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment	Worker Trip	Vendor Trip	Hauling Trip	Worker Trip	Vendor Trip	Hauling Trip	Worker Vehicle	Vendor	Hauling
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	18.00	5.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Utilities	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	4.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.2 Site Preparation - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.4399	13.6680	16.2918	0.0466		0.4367	0.4367		0.4367	0.4367		4,409.753	4,409.7537	0.2176		4,415.193
Total	**2.4399**	**13.6680**	**16.2918**	**0.0466**	**18.0663**	**0.4367**	**18.5029**	**9.9307**	**0.4367**	**10.3673**		**4,409.753**	**4,409.7537**	**0.2176**		**4,415.193**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0470	0.0166	0.2773	1.0500e-	0.1479	6.4000e-	0.1485	0.0392	5.9000e-	0.0398		104.8194	104.8194	1.5600e-		104.8585
Total	**0.0470**	**0.0166**	**0.2773**	**1.0500e-**	**0.1479**	**6.4000e-**	**0.1485**	**0.0392**	**5.9000e-**	**0.0398**		**104.8194**	**104.8194**	**1.5600e-**		**104.8585**

3.3 Grading - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.2500	0.0000	7.2500	3.4428	0.0000	3.4428			0.0000			0.0000
Off-Road	3.2807	13.8462	23.0239	0.0699		0.4879	0.4879		0.4879	0.4879		7,213.108	7,213.1086	0.2915		7,220.396
Total	**3.2807**	**13.8462**	**23.0239**	**0.0699**	**7.2500**	**0.4879**	**7.7380**	**3.4428**	**0.4879**	**3.9308**		**7,213.108**	**7,213.1086**	**0.2915**		**7,220.396**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0523	0.0184	0.3081	1.1700e-	0.1643	7.2000e-	0.1650	0.0436	6.6000e-	0.0442		116.4660	116.4660	1.7300e-		116.5094
Total	**0.0523**	**0.0184**	**0.3081**	**1.1700e-**	**0.1643**	**7.2000e-**	**0.1650**	**0.0436**	**6.6000e-**	**0.0442**		**116.4660**	**116.4660**	**1.7300e-**		**116.5094**

3.4 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.546	2,897.5468	0.1162		2,900.452
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.546**	**2,897.5468**	**0.1162**		**2,900.452**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0103	0.3579	0.1280	1.2700e-	0.0337	5.3000e-	0.0342	9.6800e-	5.1000e-	0.0102		132.2519	132.2519	1.3800e-		132.2864
Worker	0.0470	0.0166	0.2773	1.0500e-	0.1479	6.4000e-	0.1485	0.0392	5.9000e-	0.0398		104.8194	104.8194	1.5600e-		104.8585
Total	**0.0573**	**0.3745**	**0.4053**	**2.3200e-**	**0.1815**	**1.1700e-**	**0.1827**	**0.0489**	**1.1000e-**	**0.0500**		**237.0714**	**237.0714**	**2.9400e-**		**237.1449**

3.5 Utilities - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4436	3.9122	17.1740	0.0409		0.1541	0.1541		0.1541	0.1541		3,872.115	3,872.1157	0.1269		3,875.287
Total	**1.4436**	**3.9122**	**17.1740**	**0.0409**		**0.1541**	**0.1541**		**0.1541**	**0.1541**		**3,872.115**	**3,872.1157**	**0.1269**		**3,875.287**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0392	0.0138	0.2311	8.8000e-	0.1232	5.4000e-	0.1238	0.0327	4.9000e-	0.0332		87.3495	87.3495	1.3000e-		87.3821
Total	**0.0392**	**0.0138**	**0.2311**	**8.8000e-**	**0.1232**	**5.4000e-**	**0.1238**	**0.0327**	**4.9000e-**	**0.0332**		**87.3495**	**87.3495**	**1.3000e-**		**87.3821**

3.6 Paving - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.516	2,656.5168	0.1245		2,659.630
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3845**	**7.1202**	**15.8495**	**0.0281**		**0.3306**	**0.3306**		**0.3306**	**0.3306**		**2,656.516**	**2,656.5168**	**0.1245**		**2,659.630**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0392	0.0138	0.2311	8.8000e-	0.1232	5.4000e-	0.1238	0.0327	4.9000e-	0.0332		87.3495	87.3495	1.3000e-		87.3821
Total	**0.0392**	**0.0138**	**0.2311**	**8.8000e-**	**0.1232**	**5.4000e-**	**0.1238**	**0.0327**	**4.9000e-**	**0.0332**		**87.3495**	**87.3495**	**1.3000e-**		**87.3821**

3.7 Architectural Coating - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	120.6755					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	**120.8063**	**0.8563**	**1.7977**	**2.9700e-**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.7328**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0105	3.6900e-	0.0616	2.3000e-	0.0329	1.4000e-	0.0330	8.7200e-	1.3000e-	8.8500e-		23.2932	23.2932	3.5000e-		23.3019
Total	**0.0105**	**3.6900e-**	**0.0616**	**2.3000e-**	**0.0329**	**1.4000e-**	**0.0330**	**8.7200e-**	**1.3000e-**	**8.8500e-**		**23.2932**	**23.2932**	**3.5000e-**		**23.3019**

LRVSP Construction 2032 - El Dorado-Mountain County County, Summer

LRVSP Construction 2032
El Dorado-Mountain County County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	50.00	Dwelling Unit	22.00	90,000.00	143

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	70
Climate Zone	1			**Operational Year**	2050
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	641.35	**CH4 Intensity**	0.029	**N2O Intensity**	0.006

1.3 User Entered Comments & Non-Default Data

Land Use - Acres from project description
Construction Phase - Assumed construction schedule of one-year.
Off-road Equipment - Equipment per applicant.
Grading - Acres from project description.
Architectural Coating - all construction in EDCAQMD must apply coatings with VOC contents of 150 g/L or less, effective 1/1/2018

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblConstructionPhase	NumDays	10.00	8.00
tblConstructionPhase	NumDays	35.00	19.00
tblConstructionPhase	NumDays	370.00	190.00
tblConstructionPhase	NumDays	20.00	14.00
tblConstructionPhase	NumDays	20.00	14.00

tblConstructionPhase	PhaseEndDate	1/14/2032	1/12/2032
tblConstructionPhase	PhaseEndDate	3/3/2032	2/6/2032
tblConstructionPhase	PhaseEndDate	3/3/2032	2/26/2032
tblConstructionPhase	PhaseEndDate	8/3/2033	11/18/2032
tblConstructionPhase	PhaseEndDate	8/31/2033	12/8/2032
tblConstructionPhase	PhaseEndDate	9/28/2033	12/28/2032
tblConstructionPhase	PhaseStartDate	1/15/2032	1/13/2032
tblConstructionPhase	PhaseStartDate	3/4/2032	2/7/2032
tblConstructionPhase	PhaseStartDate	3/4/2032	2/27/2032
tblConstructionPhase	PhaseStartDate	8/4/2033	11/19/2032
tblConstructionPhase	PhaseStartDate	9/1/2033	12/9/2032
tblGrading	AcresOfGrading	47.50	22.00
tblLandUse	LotAcreage	16.23	22.00
tblOffRoadEquipment	OffRoadEquipmentType	4	Excavators
tblOffRoadEquipment	OffRoadEquipmentType	2	Rubber Tired Loaders

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2032	120.8158	13.8631	23.3130	0.0711	18.2141	0.4886	18.6514	9.9699	0.4885	10.4071	0.0000	7,327.190	7,327.1900	0.2931	0.0000	7,334.517
Maximum	**120.8158**	**13.8631**	**23.3130**	**0.0711**	**18.2141**	**0.4886**	**18.6514**	**9.9699**	**0.4885**	**10.4071**	**0.0000**	**7,327.190**	**7,327.1900**	**0.2931**	**0.0000**	**7,334.517**

3.0 Construction Detail

Construction Phase

Phase	Phase Name	Phase Type	Start Date	End Date	Num Days	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2032	1/12/2032	5	8	
2	Grading	Grading	1/13/2032	2/6/2032	5	19	
3	Building Construction	Building Construction	2/27/2032	11/18/2032	5	190	
4	Utilities	Trenching	2/7/2032	2/26/2032	5	14	
5	Paving	Paving	11/19/2032	12/8/2032	5	14	
6	Architectural Coating	Architectural Coating	12/9/2032	12/28/2032	5	14	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 22

Acres of Paving: 0

Residential Indoor: 182,250; Residential Outdoor: 60,750; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Utilities	Excavators	4	8.00	158	0.38
Utilities	Rubber Tired Loaders	2	8.00	203	0.36
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment	Worker Trip	Vendor Trip	Hauling Trip	Worker Trip	Vendor Trip	Hauling Trip	Worker Vehicle	Vendor	Hauling
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	18.00	5.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Utilities	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	4.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.2 Site Preparation - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.4399	13.6680	16.2918	0.0466		0.4367	0.4367		0.4367	0.4367		4,409.753	4,409.7537	0.2176		4,415.193
Total	**2.4399**	**13.6680**	**16.2918**	**0.0466**	**18.0663**	**0.4367**	**18.5029**	**9.9307**	**0.4367**	**10.3673**		**4,409.753**	**4,409.7537**	**0.2176**		**4,415.193**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0429	0.0152	0.2602	1.0300e-	0.1479	6.0000e-	0.1485	0.0392	5.5000e-	0.0398		102.6733	102.6733	1.4300e-		102.7090
Total	**0.0429**	**0.0152**	**0.2602**	**1.0300e-**	**0.1479**	**6.0000e-**	**0.1485**	**0.0392**	**5.5000e-**	**0.0398**		**102.6733**	**102.6733**	**1.4300e-**		**102.7090**

3.3 Grading - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Fugitive Dust					7.2500	0.0000	7.2500	3.4428	0.0000	3.4428			0.0000			0.0000
Off-Road	3.2807	13.8462	23.0239	0.0699		0.4879	0.4879		0.4879	0.4879		7,213.108	7,213.1086	0.2915		7,220.396
Total	**3.2807**	**13.8462**	**23.0239**	**0.0699**	**7.2500**	**0.4879**	**7.7380**	**3.4428**	**0.4879**	**3.9308**		**7,213.108**	**7,213.1086**	**0.2915**		**7,220.396**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0477	0.0169	0.2891	1.1400e-	0.1643	6.6000e-	0.1650	0.0436	6.1000e-	0.0442		114.0814	114.0814	1.5900e-		114.1211
Total	**0.0477**	**0.0169**	**0.2891**	**1.1400e-**	**0.1643**	**6.6000e-**	**0.1650**	**0.0436**	**6.1000e-**	**0.0442**		**114.0814**	**114.0814**	**1.5900e-**		**114.1211**

3.4 Building Construction - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.546	2,897.5468	0.1162		2,900.452
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.546**	**2,897.5468**	**0.1162**		**2,900.452**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0102	0.3515	0.1268	1.2600e-	0.0337	5.0000e-	0.0342	9.6800e-	4.7000e-	0.0102		131.9248	131.9248	1.3600e-		131.9587
Worker	0.0429	0.0152	0.2602	1.0300e-	0.1479	6.0000e-	0.1485	0.0392	5.5000e-	0.0398		102.6733	102.6733	1.4300e-		102.7090
Total	**0.0531**	**0.3667**	**0.3870**	**2.2900e-**	**0.1815**	**1.1000e-**	**0.1826**	**0.0489**	**1.0200e-**	**0.0499**		**234.5980**	**234.5980**	**2.7900e-**		**234.6676**

3.5 Utilities - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Off-Road	1.4436	3.9122	17.1740	0.0409		0.1541	0.1541		0.1541	0.1541		3,872.115	3,872.1157	0.1269		3,875.287
Total	**1.4436**	**3.9122**	**17.1740**	**0.0409**		**0.1541**	**0.1541**		**0.1541**	**0.1541**		**3,872.115**	**3,872.1157**	**0.1269**		**3,875.287**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0358	0.0127	0.2168	8.6000e-	0.1232	5.0000e-	0.1237	0.0327	4.6000e-	0.0331		85.5611	85.5611	1.1900e-		85.5908
Total	**0.0358**	**0.0127**	**0.2168**	**8.6000e-**	**0.1232**	**5.0000e-**	**0.1237**	**0.0327**	**4.6000e-**	**0.0331**		**85.5611**	**85.5611**	**1.1900e-**		**85.5908**

3.6 Paving - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Off-Road	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.516	2,656.5168	0.1245		2,659.630
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3845**	**7.1202**	**15.8495**	**0.0281**		**0.3306**	**0.3306**		**0.3306**	**0.3306**		**2,656.516**	**2,656.5168**	**0.1245**		**2,659.630**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0358	0.0127	0.2168	8.6000e-	0.1232	5.0000e-	0.1237	0.0327	4.6000e-	0.0331		85.5611	85.5611	1.1900e-		85.5908

Total	**0.0358**	**0.0127**	**0.2168**	**8.6000e-**	**0.1232**	**5.0000e-**	**0.1237**	**0.0327**	**4.6000e-**	**0.0331**		**85.5611**	**85.5611**	**1.1900e-**		**85.5908**

3.7 Architectural Coating - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	120.6755					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	**120.8063**	**0.8563**	**1.7977**	**2.9700e-**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.7328**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	9.5400e-	3.3800e-	0.0578	2.3000e-	0.0329	1.3000e-	0.0330	8.7200e-	1.2000e-	8.8400e-		22.8163	22.8163	3.2000e-		22.8242
Total	**9.5400e-**	**3.3800e-**	**0.0578**	**2.3000e-**	**0.0329**	**1.3000e-**	**0.0330**	**8.7200e-**	**1.2000e-**	**8.8400e-**		**22.8163**	**22.8163**	**3.2000e-**		**22.8242**

LRVSP Construction 2033 - El Dorado-Mountain County County, Summer

LRVSP Construction 2033
El Dorado-Mountain County County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	49.00	Dwelling Unit	22.00	88,200.00	140

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	70
Climate Zone	1			**Operational Year**	2050
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	641.35	**CH4 Intensity**	0.029	**N2O Intensity**	0.006

1.3 User Entered Comments & Non-Default Data

Land Use - Acres from project description
Construction Phase - Assumed construction schedule of one-year.
Off-road Equipment - Equipment per applicant.
Grading - Acres from project description.
Architectural Coating - all construction in EDCAQMD must apply coatings with VOC contents of 150 g/L or less, effective 1/1/2018

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblConstructionPhase	NumDays	10.00	8.00
tblConstructionPhase	NumDays	35.00	19.00
tblConstructionPhase	NumDays	370.00	190.00
tblConstructionPhase	NumDays	20.00	14.00
tblConstructionPhase	NumDays	20.00	14.00
tblConstructionPhase	PhaseEndDate	1/14/2033	1/12/2033

tblConstructionPhase	PhaseEndDate	3/4/2033	2/8/2033
tblConstructionPhase	PhaseEndDate	8/4/2034	11/21/2033
tblConstructionPhase	PhaseEndDate	9/1/2034	12/9/2033
tblConstructionPhase	PhaseEndDate	9/29/2034	12/29/2033
tblConstructionPhase	PhaseStartDate	1/15/2033	1/13/2033
tblConstructionPhase	PhaseStartDate	3/5/2033	3/1/2033
tblConstructionPhase	PhaseStartDate	8/5/2034	11/22/2033
tblConstructionPhase	PhaseStartDate	9/2/2034	12/10/2033
tblGrading	AcresOfGrading	47.50	22.00
tblLandUse	LotAcreage	15.91	22.00
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	OffRoadEquipmentType	4	Excavators
tblOffRoadEquipment	OffRoadEquipmentType	2	Rubber Tired Loaders

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2033	118.4015	13.8618	23.2966	0.0711	18.2141	0.4886	18.6513	9.9699	0.4885	10.4071	0.0000	7,325.131	7,325.1318	0.2930	0.0000	7,332.456
Maximum	**118.4015**	**13.8618**	**23.2966**	**0.0711**	**18.2141**	**0.4886**	**18.6513**	**9.9699**	**0.4885**	**10.4071**	**0.0000**	**7,325.131**	**7,325.1318**	**0.2930**	**0.0000**	**7,332.456**

3.0 Construction Detail

Construction Phase

Phase	Phase Name	Phase Type	Start Date	End Date	Num Days	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2033	1/12/2033	5	8	
2	Grading	Grading	1/13/2033	2/8/2033	5	19	
3	Building Construction	Building Construction	3/1/2033	11/21/2033	5	190	
4	Paving	Paving	11/22/2033	12/9/2033	5	14	
5	Architectural Coating	Architectural Coating	12/10/2033	12/29/2033	5	14	
6	Utilities	Trenching	2/9/2033	2/28/2033	5	14	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 22

Acres of Paving: 0

Residential Indoor: 178,605; Residential Outdoor: 59,535; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Utilities	Excavators	4	8.00	158	0.38
Utilities	Rubber Tired Loaders	2	8.00	203	0.36
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment	Worker Trip	Vendor Trip	Hauling Trip	Worker Trip	Vendor Trip	Hauling Trip	Worker Vehicle	Vendor	Hauling
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	18.00	5.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Utilities	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	4.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.2 Site Preparation - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.4399	13.6680	16.2918	0.0466		0.4367	0.4367		0.4367	0.4367		4,409.753	4,409.7537	0.2176		4,415.193
Total	**2.4399**	**13.6680**	**16.2918**	**0.0466**	**18.0663**	**0.4367**	**18.5029**	**9.9307**	**0.4367**	**10.3673**		**4,409.753**	**4,409.7537**	**0.2176**		**4,415.193**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0394	0.0141	0.2455	1.0100e-	0.1479	5.6000e-	0.1484	0.0392	5.1000e-	0.0397		100.8209	100.8209	1.3100e-		100.8538
Total	**0.0394**	**0.0141**	**0.2455**	**1.0100e-**	**0.1479**	**5.6000e-**	**0.1484**	**0.0392**	**5.1000e-**	**0.0397**		**100.8209**	**100.8209**	**1.3100e-**		**100.8538**

3.3 Grading - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.2500	0.0000	7.2500	3.4428	0.0000	3.4428			0.0000			0.0000
Off-Road	3.2807	13.8462	23.0239	0.0699		0.4879	0.4879		0.4879	0.4879		7,213.108	7,213.1086	0.2915		7,220.396
Total	**3.2807**	**13.8462**	**23.0239**	**0.0699**	**7.2500**	**0.4879**	**7.7380**	**3.4428**	**0.4879**	**3.9308**		**7,213.108**	**7,213.1086**	**0.2915**		**7,220.396**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0438	0.0156	0.2727	1.1200e-	0.1643	6.2000e-	0.1649	0.0436	5.7000e-	0.0442		112.0233	112.0233	1.4600e-		112.0598
Total	**0.0438**	**0.0156**	**0.2727**	**1.1200e-**	**0.1643**	**6.2000e-**	**0.1649**	**0.0436**	**5.7000e-**	**0.0442**		**112.0233**	**112.0233**	**1.4600e-**		**112.0598**

3.4 Building Construction - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.546	2,897.5468	0.1162		2,900.452
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.546**	**2,897.5468**	**0.1162**		**2,900.452**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0101	0.3454	0.1261	1.2600e-	0.0337	4.7000e-	0.0341	9.6800e-	4.5000e-	0.0101		131.6061	131.6061	1.3400e-		131.6395
Worker	0.0394	0.0141	0.2455	1.0100e-	0.1479	5.6000e-	0.1484	0.0392	5.1000e-	0.0397		100.8209	100.8209	1.3100e-		100.8538
Total	**0.0495**	**0.3595**	**0.3716**	**2.2700e-**	**0.1815**	**1.0300e-**	**0.1826**	**0.0489**	**9.6000e-**	**0.0499**		**232.4270**	**232.4270**	**2.6500e-**		**232.4933**

3.5 Paving - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.516	2,656.5168	0.1245		2,659.630
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3845**	**7.1202**	**15.8495**	**0.0281**		**0.3306**	**0.3306**		**0.3306**	**0.3306**		**2,656.516**	**2,656.5168**	**0.1245**		**2,659.630**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0328	0.0117	0.2046	8.4000e-	0.1232	4.6000e-	0.1237	0.0327	4.3000e-	0.0331		84.0175	84.0175	1.0900e-		84.0448
Total	**0.0328**	**0.0117**	**0.2046**	**8.4000e-**	**0.1232**	**4.6000e-**	**0.1237**	**0.0327**	**4.3000e-**	**0.0331**		**84.0175**	**84.0175**	**1.0900e-**		**84.0448**

3.6 Architectural Coating - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	118.2620					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	**118.3928**	**0.8563**	**1.7977**	**2.9700e-**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.7328**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	8.7600e-	3.1200e-	0.0546	2.2000e-	0.0329	1.2000e-	0.0330	8.7200e-	1.1000e-	8.8300e-		22.4047	22.4047	2.9000e-		22.4120

Total	**8.7600e-003**	**3.1200e-003**	**0.0546**	**2.2000e-004**	**0.0329**	**1.2000e-004**	**0.0330**	**8.7200e-003**	**1.1000e-004**	**8.8300e-003**		**22.4047**	**22.4047**	**2.9000e-004**		**22.4120**

3.7 Utilities - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4508	3.9318	17.2598	0.0411		0.1549	0.1549		0.1549	0.1549		3,891.476	3,891.4763	0.1275		3,894.664
Total	**1.4508**	**3.9318**	**17.2598**	**0.0411**		**0.1549**	**0.1549**		**0.1549**	**0.1549**		**3,891.476**	**3,891.4763**	**0.1275**		**3,894.664**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0328	0.0117	0.2046	8.4000e-004	0.1232	4.6000e-004	0.1237	0.0327	4.3000e-004	0.0331		84.0175	84.0175	1.0900e-003		84.0448
Total	**0.0328**	**0.0117**	**0.2046**	**8.4000e-004**	**0.1232**	**4.6000e-004**	**0.1237**	**0.0327**	**4.3000e-004**	**0.0331**		**84.0175**	**84.0175**	**1.0900e-003**		**84.0448**

LRVSP Construction 2034
El Dorado-Mountain County County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	49.00	Dwelling Unit	22.00	88,200.00	140
City Park	3.00	Acre	3.00	130,680.00	0
Other Asphalt Surfaces	8.00	Acre	8.00	348,480.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	70
Climate Zone	1			**Operational Year**	2050
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	641.35	**CH4 Intensity**	0.029	**N2O Intensity**	0.006

1.3 User Entered Comments & Non-Default Data

Land Use - Acres from project description
Construction Phase - Assumed construction schedule of one-year.
Off-road Equipment - Equipment per applicant.
Grading - Acres from project description.
Architectural Coating - all construction in EDCAQMD must apply coatings with VOC contents of 150 g/L or less, effective 1/1/2018

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	20,909.00	0.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblConstructionPhase	NumDays	20.00	8.00
tblConstructionPhase	NumDays	45.00	19.00
tblConstructionPhase	NumDays	500.00	190.00

tblConstructionPhase	NumDays	35.00	14.00
tblConstructionPhase	NumDays	35.00	14.00
tblConstructionPhase	PhaseEndDate	1/27/2034	1/11/2034
tblConstructionPhase	PhaseEndDate	3/31/2034	2/7/2034
tblConstructionPhase	PhaseEndDate	2/29/2036	11/20/2034
tblConstructionPhase	PhaseEndDate	4/18/2036	12/8/2034
tblConstructionPhase	PhaseEndDate	6/6/2036	12/28/2034
tblConstructionPhase	PhaseStartDate	1/28/2034	1/12/2034
tblConstructionPhase	PhaseStartDate	4/1/2034	2/28/2034
tblConstructionPhase	PhaseStartDate	3/1/2036	11/21/2034
tblConstructionPhase	PhaseStartDate	4/19/2036	12/9/2034
tblGrading	AcresOfGrading	47.50	33.00
tblLandUse	LotAcreage	15.91	22.00
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	OffRoadEquipmentType	4	Excavators
tblOffRoadEquipment	OffRoadEquipmentType	2	Rubber Tired Loaders

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2034	118.4819	13.8607	23.2818	0.0710	18.2141	0.4885	18.6513	9.9699	0.4885	10.4070	0.0000	7,323.359	7,323.3594	0.2929	0.0000	7,330.680
Maximum	**118.4819**	**13.8607**	**23.2818**	**0.0710**	**18.2141**	**0.4885**	**18.6513**	**9.9699**	**0.4885**	**10.4070**	**0.0000**	**7,323.359**	**7,323.3594**	**0.2929**	**0.0000**	**7,330.680**

3.0 Construction Detail

Construction Phase

Phase	Phase Name	Phase Type	Start Date	End Date	Num Days	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2034	1/11/2034	5	8	
2	Grading	Grading	1/12/2034	2/7/2034	5	19	
3	Building Construction	Building Construction	2/28/2034	11/20/2034	5	190	
4	Paving	Paving	11/21/2034	12/8/2034	5	14	
5	Architectural Coating	Architectural Coating	12/9/2034	12/28/2034	5	14	
6	Utilities	Trenching	2/8/2034	2/27/2034	5	14	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 33

Acres of Paving: 8

Residential Indoor: 178,605; Residential Outdoor: 59,535; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Utilities	Excavators	4	8.00	158	0.38
Utilities	Rubber Tired Loaders	2	8.00	203	0.36
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment	Worker Trip	Vendor Trip	Hauling Trip	Worker Trip	Vendor Trip	Hauling Trip	Worker Vehicle	Vendor	Hauling
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	219.00	84.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Utilities	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	44.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.2 Site Preparation - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.4399	13.6680	16.2918	0.0466		0.4367	0.4367		0.4367	0.4367		4,409.753	4,409.7537	0.2176		4,415.193

Total	**2.4399**	**13.6680**	**16.2918**	**0.0466**	**18.0663**	**0.4367**	**18.5029**	**9.9307**	**0.4367**	**10.3673**		**4,409.753**	**4,409.7537**	**0.2176**		**4,415.193**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0365	0.0131	0.2321	9.9000e-	0.1479	5.2000e-	0.1484	0.0392	4.8000e-	0.0397		99.2257	99.2257	1.2100e-		99.2560
Total	**0.0365**	**0.0131**	**0.2321**	**9.9000e-**	**0.1479**	**5.2000e-**	**0.1484**	**0.0392**	**4.8000e-**	**0.0397**		**99.2257**	**99.2257**	**1.2100e-**		**99.2560**

3.3 Grading - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Fugitive Dust					7.8640	0.0000	7.8640	3.5091	0.0000	3.5091			0.0000			0.0000
Off-Road	3.2807	13.8462	23.0239	0.0699		0.4879	0.4879		0.4879	0.4879		7,213.108	7,213.1086	0.2915		7,220.396
Total	**3.2807**	**13.8462**	**23.0239**	**0.0699**	**7.8640**	**0.4879**	**8.3519**	**3.5091**	**0.4879**	**3.9970**		**7,213.108**	**7,213.1086**	**0.2915**		**7,220.396**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0405	0.0146	0.2579	1.1000e-	0.1643	5.8000e-	0.1649	0.0436	5.3000e-	0.0441		110.2508	110.2508	1.3500e-		110.2845
Total	**0.0405**	**0.0146**	**0.2579**	**1.1000e-**	**0.1643**	**5.8000e-**	**0.1649**	**0.0436**	**5.3000e-**	**0.0441**		**110.2508**	**110.2508**	**1.3500e-**		**110.2845**

3.4 Building Construction - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.546	2,897.5468	0.1162		2,900.452
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.546**	**2,897.5468**	**0.1162**		**2,900.452**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1673	5.7078	2.1135	0.0211	0.5657	7.5500e-	0.5732	0.1626	7.2200e-	0.1699		2,205.759	2,205.7596	0.0222		2,206.315
Worker	0.4437	0.1593	2.8243	0.0121	1.7990	6.3200e-	1.8054	0.4772	5.8100e-	0.4830		1,207.246	1,207.2465	0.0148		1,207.615
Total	**0.6110**	**5.8671**	**4.9378**	**0.0332**	**2.3647**	**0.0139**	**2.3786**	**0.6398**	**0.0130**	**0.6529**		**3,413.006**	**3,413.0061**	**0.0370**		**3,413.930**

3.5 Paving - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Off-Road	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.516	2,656.5168	0.1245		2,659.630
Paving	1.4971					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.8817**	**7.1202**	**15.8495**	**0.0281**		**0.3306**	**0.3306**		**0.3306**	**0.3306**		**2,656.516**	**2,656.5168**	**0.1245**		**2,659.630**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0304	0.0109	0.1934	8.3000e-	0.1232	4.3000e-	0.1237	0.0327	4.0000e-	0.0331		82.6881	82.6881	1.0100e-		82.7134
Total	**0.0304**	**0.0109**	**0.1934**	**8.3000e-**	**0.1232**	**4.3000e-**	**0.1237**	**0.0327**	**4.0000e-**	**0.0331**		**82.6881**	**82.6881**	**1.0100e-**		**82.7134**

3.6 Architectural Coating - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Archit. Coating	118.2620					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	**118.3928**	**0.8563**	**1.7977**	**2.9700e-**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.7328**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0891	0.0320	0.5674	2.4300e-	0.3615	1.2700e-	0.3627	0.0959	1.1700e-	0.0970		242.5518	242.5518	2.9600e-		242.6259
Total	**0.0891**	**0.0320**	**0.5674**	**2.4300e-**	**0.3615**	**1.2700e-**	**0.3627**	**0.0959**	**1.1700e-**	**0.0970**		**242.5518**	**242.5518**	**2.9600e-**		**242.6259**

3.7 Utilities - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4508	3.9318	17.2598	0.0411		0.1549	0.1549		0.1549	0.1549		3,891.476	3,891.4763	0.1275		3,894.664
Total	**1.4508**	**3.9318**	**17.2598**	**0.0411**		**0.1549**	**0.1549**		**0.1549**	**0.1549**		**3,891.476**	**3,891.4763**	**0.1275**		**3,894.664**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0304	0.0109	0.1934	8.3000e-	0.1232	4.3000e-	0.1237	0.0327	4.0000e-	0.0331		82.6881	82.6881	1.0100e-		82.7134
Total	**0.0304**	**0.0109**	**0.1934**	**8.3000e-**	**0.1232**	**4.3000e-**	**0.1237**	**0.0327**	**4.0000e-**	**0.0331**		**82.6881**	**82.6881**	**1.0100e-**		**82.7134**

LRVSP Construction 2035 - El Dorado-Mountain County County, Summer

LRVSP Construction 2035
El Dorado-Mountain County County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	49.00	Dwelling Unit	22.00	88,200.00	140

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	70
Climate Zone	1			**Operational Year**	2050
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	641.35	**CH4 Intensity**	0.029	**N2O Intensity**	0.006

1.3 User Entered Comments & Non-Default Data

Land Use - Acres from project description
Construction Phase - Assumed construction schedule of one-year.
Off-road Equipment - Equipment per applicant.
Grading - Acres from project description.
Architectural Coating - all construction in EDCAQMD must apply coatings with VOC contents of 150 g/L or less, effective 1/1/2018

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblConstructionPhase	NumDays	10.00	8.00
tblConstructionPhase	NumDays	35.00	19.00
tblConstructionPhase	NumDays	370.00	190.00
tblConstructionPhase	NumDays	20.00	14.00
tblConstructionPhase	NumDays	20.00	14.00

tblConstructionPhase	PhaseEndDate	1/12/2035	1/10/2035
tblConstructionPhase	PhaseEndDate	3/2/2035	2/6/2035
tblConstructionPhase	PhaseEndDate	3/2/2035	2/26/2035
tblConstructionPhase	PhaseEndDate	8/1/2036	11/19/2035
tblConstructionPhase	PhaseEndDate	8/29/2036	12/7/2035
tblConstructionPhase	PhaseEndDate	9/26/2036	12/27/2035
tblConstructionPhase	PhaseStartDate	1/13/2035	1/11/2035
tblConstructionPhase	PhaseStartDate	3/3/2035	2/7/2035
tblConstructionPhase	PhaseStartDate	3/3/2035	2/27/2035
tblConstructionPhase	PhaseStartDate	8/2/2036	11/20/2035
tblConstructionPhase	PhaseStartDate	8/30/2036	12/8/2035
tblGrading	AcresOfGrading	47.50	22.00
tblLandUse	LotAcreage	15.91	22.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2035	118.3874	10.1523	22.7701	0.0710	18.2141	0.3148	18.5057	9.9699	0.3147	10.2615	0.0000	7,321.853	7,321.8535	0.2572	0.0000	7,328.283
Maximum	**118.3874**	**10.1523**	**22.7701**	**0.0710**	**18.2141**	**0.3148**	**18.5057**	**9.9699**	**0.3147**	**10.2615**	**0.0000**	**7,321.853**	**7,321.8535**	**0.2572**	**0.0000**	**7,328.283**

3.0 Construction Detail

Construction Phase

Phase	Phase Name	Phase Type	Start Date	End Date	Num Days	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2035	1/10/2035	5	8	
2	Grading	Grading	1/11/2035	2/6/2035	5	19	
3	Utilities	Trenching	2/7/2035	2/26/2035	5	14	
4	Building Construction	Building Construction	2/27/2035	11/19/2035	5	190	
5	Paving	Paving	11/20/2035	12/7/2035	5	14	
6	Architectural Coating	Architectural Coating	12/8/2035	12/27/2035	5	14	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 22

Acres of Paving: 0

Residential Indoor: 178,605; Residential Outdoor: 59,535; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48
Utilities	Excavators	4	8.00	158	0.38
Utilities	Rubber Tired Loaders	2	8.00	203	0.36

Trips and VMT

Phase Name	Offroad Equipment	Worker Trip	Vendor Trip	Hauling Trip	Worker Trip	Vendor Trip	Hauling Trip	Worker Vehicle	Vendor	Hauling
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	18.00	5.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	4.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Utilities	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.2 Site Preparation - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.1483	10.1399	15.9731	0.0466		0.2911	0.2911		0.2911	0.2911		4,409.753	4,409.7537	0.1889		4,414.476
Total	**2.1483**	**10.1399**	**15.9731**	**0.0466**	**18.0663**	**0.2911**	**18.3574**	**9.9307**	**0.2911**	**10.2218**		**4,409.753**	**4,409.7537**	**0.1889**		**4,414.476**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0338	0.0123	0.2206	9.8000e-	0.1479	4.9000e-	0.1484	0.0392	4.5000e-	0.0397		97.8649	97.8649	1.1200e-		97.8930
Total	**0.0338**	**0.0123**	**0.2206**	**9.8000e-**	**0.1479**	**4.9000e-**	**0.1484**	**0.0392**	**4.5000e-**	**0.0397**		**97.8649**	**97.8649**	**1.1200e-**		**97.8930**

3.3 Grading - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Fugitive Dust					7.2500	0.0000	7.2500	3.4428	0.0000	3.4428			0.0000			0.0000
Off-Road	2.9116	9.5942	22.5250	0.0699		0.3142	0.3142		0.3142	0.3142		7,213.114	7,213.1148	0.2560		7,219.513
Total	**2.9116**	**9.5942**	**22.5250**	**0.0699**	**7.2500**	**0.3142**	**7.5643**	**3.4428**	**0.3142**	**3.7571**		**7,213.114**	**7,213.1148**	**0.2560**		**7,219.513**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0376	0.0137	0.2452	1.0900e-	0.1643	5.4000e-	0.1648	0.0436	5.0000e-	0.0441		108.7387	108.7387	1.2500e-		108.7700
Total	**0.0376**	**0.0137**	**0.2452**	**1.0900e-**	**0.1643**	**5.4000e-**	**0.1648**	**0.0436**	**5.0000e-**	**0.0441**		**108.7387**	**108.7387**	**1.2500e-**		**108.7700**

3.4 Utilities - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Off-Road	1.3268	2.6648	17.1550	0.0409		0.1022	0.1022		0.1022	0.1022		3,872.115	3,872.1157	0.1158		3,875.011
Total	**1.3268**	**2.6648**	**17.1550**	**0.0409**		**0.1022**	**0.1022**		**0.1022**	**0.1022**		**3,872.115**	**3,872.1157**	**0.1158**		**3,875.011**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.0282	0.0103	0.1839	8.2000e-	0.1232	4.0000e-	0.1236	0.0327	3.7000e-	0.0331		81.5540	81.5540	9.4000e-		81.5775
Total	**0.0282**	**0.0103**	**0.1839**	**8.2000e-**	**0.1232**	**4.0000e-**	**0.1236**	**0.0327**	**3.7000e-**	**0.0331**		**81.5540**	**81.5540**	**9.4000e-**		**81.5775**

3.5 Building Construction - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904		2,897.546	2,897.5468	0.1079		2,900.244
Total	**1.2168**	**7.1613**	**16.1178**	**0.0310**		**0.0904**	**0.0904**		**0.0904**	**0.0904**		**2,897.546**	**2,897.5468**	**0.1079**		**2,900.244**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	9.8700e-	0.3347	0.1251	1.2500e-	0.0337	4.3000e-	0.0341	9.6800e-	4.1000e-	0.0101		131.0419	131.0419	1.3100e-		131.0746
Worker	0.0338	0.0123	0.2206	9.8000e-	0.1479	4.9000e-	0.1484	0.0392	4.5000e-	0.0397		97.8649	97.8649	1.1200e-		97.8930
Total	**0.0437**	**0.3470**	**0.3457**	**2.2300e-**	**0.1815**	**9.2000e-**	**0.1825**	**0.0489**	**8.6000e-**	**0.0498**		**228.9068**	**228.9068**	**2.4300e-**		**228.9676**

3.6 Paving - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1405	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874		2,656.516	2,656.5168	0.1022		2,659.072
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1405**	**4.8761**	**15.8203**	**0.0281**		**0.1874**	**0.1874**		**0.1874**	**0.1874**		**2,656.516**	**2,656.5168**	**0.1022**		**2,659.072**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0282	0.0103	0.1839	8.2000e-	0.1232	4.0000e-	0.1236	0.0327	3.7000e-	0.0331		81.5540	81.5540	9.4000e-		81.5775
Total	**0.0282**	**0.0103**	**0.1839**	**8.2000e-**	**0.1232**	**4.0000e-**	**0.1236**	**0.0327**	**3.7000e-**	**0.0331**		**81.5540**	**81.5540**	**9.4000e-**		**81.5775**

3.7 Architectural Coating - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	118.2620					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-		9.9000e-	9.9000e-		9.9000e-	9.9000e-		281.4481	281.4481	0.0104		281.7081
Total	**118.3799**	**0.7577**	**1.7943**	**2.9700e-**		**9.9000e-**	**9.9000e-**		**9.9000e-**	**9.9000e-**		**281.4481**	**281.4481**	**0.0104**		**281.7081**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	7.5200e-	2.7400e-	0.0490	2.2000e-	0.0329	1.1000e-	0.0330	8.7200e-	1.0000e-	8.8100e-		21.7477	21.7477	2.5000e-		21.7540
Total	**7.5200e-**	**2.7400e-**	**0.0490**	**2.2000e-**	**0.0329**	**1.1000e-**	**0.0330**	**8.7200e-**	**1.0000e-**	**8.8100e-**		**21.7477**	**21.7477**	**2.5000e-**		**21.7540**

LRVSP Construction 2036 - El Dorado-Mountain County County, Summer

LRVSP Construction 2036
El Dorado-Mountain County County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	49.00	Dwelling Unit	22.00	88,200.00	140

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	70
Climate Zone	1			**Operational Year**	2050
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	641.35	**CH4 Intensity**	0.029	**N2O Intensity**	0.006

1.3 User Entered Comments & Non-Default Data

Land Use - Acres from project description
Construction Phase - Assumed construction schedule of one-year.
Off-road Equipment - Equipment per applicant.
Grading - Acres from project description.
Architectural Coating - all construction in EDCAQMD must apply coatings with VOC contents of 150 g/L or less, effective 1/1/2018

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblConstructionPhase	NumDays	10.00	8.00
tblConstructionPhase	NumDays	35.00	19.00
tblConstructionPhase	NumDays	370.00	190.00
tblConstructionPhase	NumDays	20.00	14.00
tblConstructionPhase	NumDays	20.00	14.00

tblConstructionPhase	PhaseEndDate	1/14/2036	1/10/2036
tblConstructionPhase	PhaseEndDate	3/3/2036	2/6/2036
tblConstructionPhase	PhaseEndDate	3/3/2036	2/26/2036
tblConstructionPhase	PhaseEndDate	8/3/2037	11/18/2036
tblConstructionPhase	PhaseEndDate	8/31/2037	12/8/2036
tblConstructionPhase	PhaseEndDate	9/28/2037	12/26/2036
tblConstructionPhase	PhaseStartDate	1/15/2036	1/11/2036
tblConstructionPhase	PhaseStartDate	3/4/2036	2/7/2036
tblConstructionPhase	PhaseStartDate	3/4/2036	2/27/2036
tblConstructionPhase	PhaseStartDate	8/4/2037	11/19/2036
tblConstructionPhase	PhaseStartDate	9/1/2037	12/9/2036
tblGrading	AcresOfGrading	47.50	22.00
tblLandUse	LotAcreage	15.91	22.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2036	118.3874	10.1523	22.7701	0.0710	18.2141	0.3148	18.5057	9.9699	0.3147	10.2615	0.0000	7,321.853	7,321.8535	0.2572	0.0000	7,328.283
Maximum	**118.3874**	**10.1523**	**22.7701**	**0.0710**	**18.2141**	**0.3148**	**18.5057**	**9.9699**	**0.3147**	**10.2615**	**0.0000**	**7,321.853**	**7,321.8535**	**0.2572**	**0.0000**	**7,328.283**

3.0 Construction Detail

Construction Phase

Phase	Phase Name	Phase Type	Start Date	End Date	Num Days	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2036	1/10/2036	5	8	
2	Grading	Grading	1/11/2036	2/6/2036	5	19	
3	Utilities	Trenching	2/7/2036	2/26/2036	5	14	
4	Building Construction	Building Construction	2/27/2036	11/18/2036	5	190	
5	Paving	Paving	11/19/2036	12/8/2036	5	14	
6	Architectural Coating	Architectural Coating	12/9/2036	12/26/2036	5	14	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 22

Acres of Paving: 0

Residential Indoor: 178,605; Residential Outdoor: 59,535; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48
Utilities	Excavators	4	8.00	158	0.38
Utilities	Rubber Tired Loaders	2	8.00	203	0.36

Trips and VMT

Phase Name	Offroad Equipment	Worker Trip	Vendor Trip	Hauling Trip	Worker Trip	Vendor Trip	Hauling Trip	Worker Vehicle	Vendor	Hauling
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	18.00	5.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	4.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Utilities	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.2 Site Preparation - 2036

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.1483	10.1399	15.9731	0.0466		0.2911	0.2911		0.2911	0.2911		4,409.753	4,409.7537	0.1889		4,414.476
Total	**2.1483**	**10.1399**	**15.9731**	**0.0466**	**18.0663**	**0.2911**	**18.3574**	**9.9307**	**0.2911**	**10.2218**		**4,409.753**	**4,409.7537**	**0.1889**		**4,414.476**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0338	0.0123	0.2206	9.8000e-	0.1479	4.9000e-	0.1484	0.0392	4.5000e-	0.0397		97.8649	97.8649	1.1200e-		97.8930
Total	**0.0338**	**0.0123**	**0.2206**	**9.8000e-**	**0.1479**	**4.9000e-**	**0.1484**	**0.0392**	**4.5000e-**	**0.0397**		**97.8649**	**97.8649**	**1.1200e-**		**97.8930**

3.3 Grading - 2036

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.2500	0.0000	7.2500	3.4428	0.0000	3.4428			0.0000			0.0000
Off-Road	2.9116	9.5942	22.5250	0.0699		0.3142	0.3142		0.3142	0.3142		7,213.114	7,213.1148	0.2560		7,219.513
Total	**2.9116**	**9.5942**	**22.5250**	**0.0699**	**7.2500**	**0.3142**	**7.5643**	**3.4428**	**0.3142**	**3.7571**		**7,213.114**	**7,213.1148**	**0.2560**		**7,219.513**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0376	0.0137	0.2452	1.0900e-	0.1643	5.4000e-	0.1648	0.0436	5.0000e-	0.0441		108.7387	108.7387	1.2500e-		108.7700
Total	**0.0376**	**0.0137**	**0.2452**	**1.0900e-**	**0.1643**	**5.4000e-**	**0.1648**	**0.0436**	**5.0000e-**	**0.0441**		**108.7387**	**108.7387**	**1.2500e-**		**108.7700**

3.4 Utilities - 2036

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3268	2.6648	17.1550	0.0409		0.1022	0.1022		0.1022	0.1022		3,872.115	3,872.1157	0.1158		3,875.011
Total	**1.3268**	**2.6648**	**17.1550**	**0.0409**		**0.1022**	**0.1022**		**0.1022**	**0.1022**		**3,872.115**	**3,872.1157**	**0.1158**		**3,875.011**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0282	0.0103	0.1839	8.2000e-	0.1232	4.0000e-	0.1236	0.0327	3.7000e-	0.0331		81.5540	81.5540	9.4000e-		81.5775
Total	**0.0282**	**0.0103**	**0.1839**	**8.2000e-**	**0.1232**	**4.0000e-**	**0.1236**	**0.0327**	**3.7000e-**	**0.0331**		**81.5540**	**81.5540**	**9.4000e-**		**81.5775**

3.5 Building Construction - 2036

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904		2,897.546	2,897.5468	0.1079		2,900.244
Total	**1.2168**	**7.1613**	**16.1178**	**0.0310**		**0.0904**	**0.0904**		**0.0904**	**0.0904**		**2,897.546**	**2,897.5468**	**0.1079**		**2,900.244**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	9.8700e-	0.3347	0.1251	1.2500e-	0.0337	4.3000e-	0.0341	9.6800e-	4.1000e-	0.0101		131.0419	131.0419	1.3100e-		131.0746
Worker	0.0338	0.0123	0.2206	9.8000e-	0.1479	4.9000e-	0.1484	0.0392	4.5000e-	0.0397		97.8649	97.8649	1.1200e-		97.8930
Total	**0.0437**	**0.3470**	**0.3457**	**2.2300e-**	**0.1815**	**9.2000e-**	**0.1825**	**0.0489**	**8.6000e-**	**0.0498**		**228.9068**	**228.9068**	**2.4300e-**		**228.9676**

3.6 Paving - 2036

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1405	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874		2,656.516	2,656.5168	0.1022		2,659.072
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1405**	**4.8761**	**15.8203**	**0.0281**		**0.1874**	**0.1874**		**0.1874**	**0.1874**		**2,656.516**	**2,656.5168**	**0.1022**		**2,659.072**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0282	0.0103	0.1839	8.2000e-	0.1232	4.0000e-	0.1236	0.0327	3.7000e-	0.0331		81.5540	81.5540	9.4000e-		81.5775
Total	**0.0282**	**0.0103**	**0.1839**	**8.2000e-**	**0.1232**	**4.0000e-**	**0.1236**	**0.0327**	**3.7000e-**	**0.0331**		**81.5540**	**81.5540**	**9.4000e-**		**81.5775**

3.7 Architectural Coating - 2036

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	118.2620					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-		9.9000e-	9.9000e-		9.9000e-	9.9000e-		281.4481	281.4481	0.0104		281.7081
Total	**118.3799**	**0.7577**	**1.7943**	**2.9700e-**		**9.9000e-**	**9.9000e-**		**9.9000e-**	**9.9000e-**		**281.4481**	**281.4481**	**0.0104**		**281.7081**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	7.5200e-	2.7400e-	0.0490	2.2000e-	0.0329	1.1000e-	0.0330	8.7200e-	1.0000e-	8.8100e-		21.7477	21.7477	2.5000e-		21.7540
Total	**7.5200e-**	**2.7400e-**	**0.0490**	**2.2000e-**	**0.0329**	**1.1000e-**	**0.0330**	**8.7200e-**	**1.0000e-**	**8.8100e-**		**21.7477**	**21.7477**	**2.5000e-**		**21.7540**

LRVSP Construction 2037 - El Dorado-Mountain County County, Summer

LRVSP Construction 2037
El Dorado-Mountain County County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	49.00	Dwelling Unit	22.00	88,200.00	140

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	70
Climate Zone	1			**Operational Year**	2050
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	641.35	**CH4 Intensity**	0.029	**N2O Intensity**	0.006

1.3 User Entered Comments & Non-Default Data

Land Use - Acres from project description
Construction Phase - Assumed construction schedule of one-year.
Off-road Equipment - Equipment per applicant.
Grading - Acres from project description.
Architectural Coating - all construction in EDCAQMD must apply coatings with VOC contents of 150 g/L or less, effective 1/1/2018

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblConstructionPhase	NumDays	10.00	8.00
tblConstructionPhase	NumDays	35.00	19.00
tblConstructionPhase	NumDays	370.00	190.00
tblConstructionPhase	NumDays	20.00	14.00
tblConstructionPhase	NumDays	20.00	14.00

tblConstructionPhase	PhaseEndDate	1/14/2037	1/12/2037
tblConstructionPhase	PhaseEndDate	3/4/2037	2/6/2037
tblConstructionPhase	PhaseEndDate	3/4/2037	2/26/2037
tblConstructionPhase	PhaseEndDate	8/4/2038	11/19/2037
tblConstructionPhase	PhaseEndDate	9/1/2038	12/9/2037
tblConstructionPhase	PhaseEndDate	9/29/2038	12/29/2037
tblConstructionPhase	PhaseStartDate	1/15/2037	1/13/2037
tblConstructionPhase	PhaseStartDate	3/5/2037	2/7/2037
tblConstructionPhase	PhaseStartDate	3/5/2037	2/27/2037
tblConstructionPhase	PhaseStartDate	8/5/2038	11/20/2037
tblConstructionPhase	PhaseStartDate	9/2/2038	12/10/2037
tblGrading	AcresOfGrading	47.50	22.00
tblLandUse	LotAcreage	15.91	22.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2037	118.3874	10.1523	22.7701	0.0710	18.2141	0.3148	18.5057	9.9699	0.3147	10.2615	0.0000	7,321.853	7,321.8535	0.2572	0.0000	7,328.283
Maximum	**118.3874**	**10.1523**	**22.7701**	**0.0710**	**18.2141**	**0.3148**	**18.5057**	**9.9699**	**0.3147**	**10.2615**	**0.0000**	**7,321.853**	**7,321.8535**	**0.2572**	**0.0000**	**7,328.283**

3.0 Construction Detail

Construction Phase

Phase	Phase Name	Phase Type	Start Date	End Date	Num Days	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2037	1/12/2037	5	8	
2	Grading	Grading	1/13/2037	2/6/2037	5	19	
3	Utilities	Trenching	2/7/2037	2/26/2037	5	14	
4	Building Construction	Building Construction	2/27/2037	11/19/2037	5	190	
5	Paving	Paving	11/20/2037	12/9/2037	5	14	
6	Architectural Coating	Architectural Coating	12/10/2037	12/29/2037	5	14	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 22

Acres of Paving: 0

Residential Indoor: 178,605; Residential Outdoor: 59,535; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48
Utilities	Excavators	4	8.00	158	0.38
Utilities	Rubber Tired Loaders	2	8.00	203	0.36

Trips and VMT

Phase Name	Offroad Equipment	Worker Trip	Vendor Trip	Hauling Trip	Worker Trip	Vendor Trip	Hauling Trip	Worker Vehicle	Vendor	Hauling
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	18.00	5.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	4.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Utilities	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.2 Site Preparation - 2037

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.1483	10.1399	15.9731	0.0466		0.2911	0.2911		0.2911	0.2911		4,409.753	4,409.7537	0.1889		4,414.476
Total	**2.1483**	**10.1399**	**15.9731**	**0.0466**	**18.0663**	**0.2911**	**18.3574**	**9.9307**	**0.2911**	**10.2218**		**4,409.753**	**4,409.7537**	**0.1889**		**4,414.476**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0338	0.0123	0.2206	9.8000e-	0.1479	4.9000e-	0.1484	0.0392	4.5000e-	0.0397		97.8649	97.8649	1.1200e-		97.8930
Total	**0.0338**	**0.0123**	**0.2206**	**9.8000e-**	**0.1479**	**4.9000e-**	**0.1484**	**0.0392**	**4.5000e-**	**0.0397**		**97.8649**	**97.8649**	**1.1200e-**		**97.8930**

3.3 Grading - 2037

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Fugitive Dust					7.2500	0.0000	7.2500	3.4428	0.0000	3.4428			0.0000			0.0000
Off-Road	2.9116	9.5942	22.5250	0.0699		0.3142	0.3142		0.3142	0.3142		7,213.114	7,213.1148	0.2560		7,219.513
Total	**2.9116**	**9.5942**	**22.5250**	**0.0699**	**7.2500**	**0.3142**	**7.5643**	**3.4428**	**0.3142**	**3.7571**		**7,213.114**	**7,213.1148**	**0.2560**		**7,219.513**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0376	0.0137	0.2452	1.0900e-	0.1643	5.4000e-	0.1648	0.0436	5.0000e-	0.0441		108.7387	108.7387	1.2500e-		108.7700
Total	**0.0376**	**0.0137**	**0.2452**	**1.0900e-**	**0.1643**	**5.4000e-**	**0.1648**	**0.0436**	**5.0000e-**	**0.0441**		**108.7387**	**108.7387**	**1.2500e-**		**108.7700**

3.4 Utilities - 2037

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Off-Road	1.3268	2.6648	17.1550	0.0409		0.1022	0.1022		0.1022	0.1022		3,872.115	3,872.1157	0.1158		3,875.011
Total	**1.3268**	**2.6648**	**17.1550**	**0.0409**		**0.1022**	**0.1022**		**0.1022**	**0.1022**		**3,872.115**	**3,872.1157**	**0.1158**		**3,875.011**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0282	0.0103	0.1839	8.2000e-	0.1232	4.0000e-	0.1236	0.0327	3.7000e-	0.0331		81.5540	81.5540	9.4000e-		81.5775

Total	**0.0282**	**0.0103**	**0.1839**	**8.2000e-**	**0.1232**	**4.0000e-**	**0.1236**	**0.0327**	**3.7000e-**	**0.0331**		**81.5540**	**81.5540**	**9.4000e-**		**81.5775**

3.5 Building Construction - 2037

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904		2,897.546	2,897.5468	0.1079		2,900.244
Total	**1.2168**	**7.1613**	**16.1178**	**0.0310**		**0.0904**	**0.0904**		**0.0904**	**0.0904**		**2,897.546**	**2,897.5468**	**0.1079**		**2,900.244**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	9.8700e-	0.3347	0.1251	1.2500e-	0.0337	4.3000e-	0.0341	9.6800e-	4.1000e-	0.0101		131.0419	131.0419	1.3100e-		131.0746
Worker	0.0338	0.0123	0.2206	9.8000e-	0.1479	4.9000e-	0.1484	0.0392	4.5000e-	0.0397		97.8649	97.8649	1.1200e-		97.8930
Total	**0.0437**	**0.3470**	**0.3457**	**2.2300e-**	**0.1815**	**9.2000e-**	**0.1825**	**0.0489**	**8.6000e-**	**0.0498**		**228.9068**	**228.9068**	**2.4300e-**		**228.9676**

3.6 Paving - 2037

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1405	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874		2,656.516	2,656.5168	0.1022		2,659.072
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1405**	**4.8761**	**15.8203**	**0.0281**		**0.1874**	**0.1874**		**0.1874**	**0.1874**		**2,656.516**	**2,656.5168**	**0.1022**		**2,659.072**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0282	0.0103	0.1839	8.2000e-	0.1232	4.0000e-	0.1236	0.0327	3.7000e-	0.0331		81.5540	81.5540	9.4000e-		81.5775
Total	**0.0282**	**0.0103**	**0.1839**	**8.2000e-**	**0.1232**	**4.0000e-**	**0.1236**	**0.0327**	**3.7000e-**	**0.0331**		**81.5540**	**81.5540**	**9.4000e-**		**81.5775**

3.7 Architectural Coating - 2037

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	118.2620					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-		9.9000e-	9.9000e-		9.9000e-	9.9000e-		281.4481	281.4481	0.0104		281.7081
Total	**118.3799**	**0.7577**	**1.7943**	**2.9700e-**		**9.9000e-**	**9.9000e-**		**9.9000e-**	**9.9000e-**		**281.4481**	**281.4481**	**0.0104**		**281.7081**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	7.5200e-	2.7400e-	0.0490	2.2000e-	0.0329	1.1000e-	0.0330	8.7200e-	1.0000e-	8.8100e-		21.7477	21.7477	2.5000e-		21.7540
Total	**7.5200e-**	**2.7400e-**	**0.0490**	**2.2000e-**	**0.0329**	**1.1000e-**	**0.0330**	**8.7200e-**	**1.0000e-**	**8.8100e-**		**21.7477**	**21.7477**	**2.5000e-**		**21.7540**

LRVSP Construction 2038 - El Dorado-Mountain County County, Summer

LRVSP Construction 2038
El Dorado-Mountain County County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	49.00	Dwelling Unit	22.00	88,200.00	140

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	70
Climate Zone	1			**Operational Year**	2050
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	641.35	**CH4 Intensity**	0.029	**N2O Intensity**	0.006

1.3 User Entered Comments & Non-Default Data

Land Use - Acres from project description
Construction Phase - Assumed construction schedule of one-year.
Off-road Equipment - Equipment per applicant.
Grading - Acres from project description.
Architectural Coating - all construction in EDCAQMD must apply coatings with VOC contents of 150 g/L or less, effective 1/1/2018

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblConstructionPhase	NumDays	10.00	8.00
tblConstructionPhase	NumDays	35.00	19.00
tblConstructionPhase	NumDays	370.00	190.00
tblConstructionPhase	NumDays	20.00	14.00
tblConstructionPhase	NumDays	20.00	14.00

tblConstructionPhase	PhaseEndDate	1/14/2038	1/12/2038
tblConstructionPhase	PhaseEndDate	3/4/2038	2/8/2038
tblConstructionPhase	PhaseEndDate	3/4/2038	2/26/2038
tblConstructionPhase	PhaseEndDate	8/4/2039	11/19/2038
tblConstructionPhase	PhaseEndDate	9/1/2039	12/9/2038
tblConstructionPhase	PhaseEndDate	9/29/2039	12/29/2038
tblConstructionPhase	PhaseStartDate	1/15/2038	1/13/2038
tblConstructionPhase	PhaseStartDate	3/5/2038	2/9/2038
tblConstructionPhase	PhaseStartDate	3/5/2038	2/27/2038
tblConstructionPhase	PhaseStartDate	8/5/2039	11/20/2038
tblConstructionPhase	PhaseStartDate	9/2/2039	12/10/2038
tblGrading	AcresOfGrading	47.50	22.00
tblLandUse	LotAcreage	15.91	22.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2038	118.3874	10.1523	22.7701	0.0710	18.2141	0.3148	18.5057	9.9699	0.3147	10.2615	0.0000	7,321.853	7,321.8535	0.2572	0.0000	7,328.283
Maximum	**118.3874**	**10.1523**	**22.7701**	**0.0710**	**18.2141**	**0.3148**	**18.5057**	**9.9699**	**0.3147**	**10.2615**	**0.0000**	**7,321.853**	**7,321.8535**	**0.2572**	**0.0000**	**7,328.283**

3.0 Construction Detail

Construction Phase

Phase	Phase Name	Phase Type	Start Date	End Date	Num Days	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2038	1/12/2038	5	8	
2	Grading	Grading	1/13/2038	2/8/2038	5	19	
3	Utilities	Trenching	2/9/2038	2/26/2038	5	14	
4	Building Construction	Building Construction	2/27/2038	11/19/2038	5	190	
5	Paving	Paving	11/20/2038	12/9/2038	5	14	
6	Architectural Coating	Architectural Coating	12/10/2038	12/29/2038	5	14	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 22

Acres of Paving: 0

Residential Indoor: 178,605; Residential Outdoor: 59,535; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48
Utilities	Excavators	4	8.00	158	0.38
Utilities	Rubber Tired Loaders	2	8.00	203	0.36

Trips and VMT

Phase Name	Offroad Equipment	Worker Trip	Vendor Trip	Hauling Trip	Worker Trip	Vendor Trip	Hauling Trip	Worker Vehicle	Vendor	Hauling
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	18.00	5.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	4.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Utilities	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.2 Site Preparation - 2038

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.1483	10.1399	15.9731	0.0466		0.2911	0.2911		0.2911	0.2911		4,409.753	4,409.7537	0.1889		4,414.476
Total	**2.1483**	**10.1399**	**15.9731**	**0.0466**	**18.0663**	**0.2911**	**18.3574**	**9.9307**	**0.2911**	**10.2218**		**4,409.753**	**4,409.7537**	**0.1889**		**4,414.476**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0338	0.0123	0.2206	9.8000e-	0.1479	4.9000e-	0.1484	0.0392	4.5000e-	0.0397		97.8649	97.8649	1.1200e-		97.8930
Total	**0.0338**	**0.0123**	**0.2206**	**9.8000e-**	**0.1479**	**4.9000e-**	**0.1484**	**0.0392**	**4.5000e-**	**0.0397**		**97.8649**	**97.8649**	**1.1200e-**		**97.8930**

3.3 Grading - 2038

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.2500	0.0000	7.2500	3.4428	0.0000	3.4428			0.0000			0.0000
Off-Road	2.9116	9.5942	22.5250	0.0699		0.3142	0.3142		0.3142	0.3142		7,213.114	7,213.1148	0.2560		7,219.513
Total	**2.9116**	**9.5942**	**22.5250**	**0.0699**	**7.2500**	**0.3142**	**7.5643**	**3.4428**	**0.3142**	**3.7571**		**7,213.114**	**7,213.1148**	**0.2560**		**7,219.513**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0376	0.0137	0.2452	1.0900e-	0.1643	5.4000e-	0.1648	0.0436	5.0000e-	0.0441		108.7387	108.7387	1.2500e-		108.7700
Total	**0.0376**	**0.0137**	**0.2452**	**1.0900e-**	**0.1643**	**5.4000e-**	**0.1648**	**0.0436**	**5.0000e-**	**0.0441**		**108.7387**	**108.7387**	**1.2500e-**		**108.7700**

3.4 Utilities - 2038

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3268	2.6648	17.1550	0.0409		0.1022	0.1022		0.1022	0.1022		3,872.115	3,872.1157	0.1158		3,875.011
Total	**1.3268**	**2.6648**	**17.1550**	**0.0409**		**0.1022**	**0.1022**		**0.1022**	**0.1022**		**3,872.115**	**3,872.1157**	**0.1158**		**3,875.011**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0282	0.0103	0.1839	8.2000e-	0.1232	4.0000e-	0.1236	0.0327	3.7000e-	0.0331		81.5540	81.5540	9.4000e-		81.5775
Total	**0.0282**	**0.0103**	**0.1839**	**8.2000e-**	**0.1232**	**4.0000e-**	**0.1236**	**0.0327**	**3.7000e-**	**0.0331**		**81.5540**	**81.5540**	**9.4000e-**		**81.5775**

3.5 Building Construction - 2038

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904		2,897.546	2,897.5468	0.1079		2,900.244
Total	**1.2168**	**7.1613**	**16.1178**	**0.0310**		**0.0904**	**0.0904**		**0.0904**	**0.0904**		**2,897.546**	**2,897.5468**	**0.1079**		**2,900.244**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	9.8700e-	0.3347	0.1251	1.2500e-	0.0337	4.3000e-	0.0341	9.6800e-	4.1000e-	0.0101		131.0419	131.0419	1.3100e-		131.0746
Worker	0.0338	0.0123	0.2206	9.8000e-	0.1479	4.9000e-	0.1484	0.0392	4.5000e-	0.0397		97.8649	97.8649	1.1200e-		97.8930
Total	**0.0437**	**0.3470**	**0.3457**	**2.2300e-**	**0.1815**	**9.2000e-**	**0.1825**	**0.0489**	**8.6000e-**	**0.0498**		**228.9068**	**228.9068**	**2.4300e-**		**228.9676**

3.6 Paving - 2038

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1405	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874		2,656.516	2,656.5168	0.1022		2,659.072
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1405**	**4.8761**	**15.8203**	**0.0281**		**0.1874**	**0.1874**		**0.1874**	**0.1874**		**2,656.516**	**2,656.5168**	**0.1022**		**2,659.072**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0282	0.0103	0.1839	8.2000e-	0.1232	4.0000e-	0.1236	0.0327	3.7000e-	0.0331		81.5540	81.5540	9.4000e-		81.5775
Total	**0.0282**	**0.0103**	**0.1839**	**8.2000e-**	**0.1232**	**4.0000e-**	**0.1236**	**0.0327**	**3.7000e-**	**0.0331**		**81.5540**	**81.5540**	**9.4000e-**		**81.5775**

3.7 Architectural Coating - 2038

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	118.2620					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-		9.9000e-	9.9000e-		9.9000e-	9.9000e-		281.4481	281.4481	0.0104		281.7081
Total	**118.3799**	**0.7577**	**1.7943**	**2.9700e-**		**9.9000e-**	**9.9000e-**		**9.9000e-**	**9.9000e-**		**281.4481**	**281.4481**	**0.0104**		**281.7081**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	7.5200e-	2.7400e-	0.0490	2.2000e-	0.0329	1.1000e-	0.0330	8.7200e-	1.0000e-	8.8100e-		21.7477	21.7477	2.5000e-		21.7540
Total	**7.5200e-**	**2.7400e-**	**0.0490**	**2.2000e-**	**0.0329**	**1.1000e-**	**0.0330**	**8.7200e-**	**1.0000e-**	**8.8100e-**		**21.7477**	**21.7477**	**2.5000e-**		**21.7540**

LRVSP Land Use Change - El Dorado-Mountain County County, Annual

LRVSP Land Use Change
El Dorado-Mountain County County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	70
Climate Zone	1			**Operational Year**	2040
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	641.35	**CH4 Intensity**	0.029	**N2O Intensity**	0.006

1.3 User Entered Comments & Non-Default Data

Land Use Change - Per LRVSP EIR Biology Chapter (Riparian, Chaparral, Grassland, and Wetlands). Native and Heritage Oak impacts would be

11.1 Vegetation Land Change
Vegetation Type

	Initial/Final	Total CO2	CH4	N2O	CO2e
	Acres	MT			
Wetlands	0.54 / 0	0	0	0	0
Grasslands	99.9 / 0	-431	0	0	-431
Trees	0.3 / 0	-33	0	0	-33
Trees	162.9 / 0	-18082	0	0	-18082
Total		**-18546**	**0**	**0**	**-18546**

Construction RCEM

Input Type

Project Name	Deer Creek Road	
Construction Start Year	2024	Enter a Year between 2014 and 2040 (inclusive)
Project Type	1	1) New Road Construction : Project t 2) Road Widening : Project to add a n 3) Bridge/Overpass Construction : P 4) Other Linear Project Type: Non-roa
Project Construction Time	0.50	months
Working Days per Month	22.00	days (assume 22 if unknown)
Predominant Soil/Site Type: Enter 1, 2, or 3 (for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22)	2	1) Sand Gravel : Use for quaternary 2) Weathered Rock-Earth : Use for La 3) Blasted Rock : Use for Salt Spring
Project Length	0.56	miles
Total Project Area	6.00	acres
Maximum Area Disturbed/Day	1.50	acres
Water Trucks Used?	1	1. Yes 2. No

Project Name	Lime Rock Valley Road - Phase 1	
Construction Start Year	2024	Enter a Year between 2014 and 2040 (inclusive)
Project Type	1	1) New Road Construction : Project to build a roadwa 2) Road Widening : Project to add a new lane to an ex 3) Bridge/Overpass Construction : Project to build an 4) Other Linear Project Type: Non-roadway project su
Project Construction Time	0.50	months
Working Days per Month	22.00	days (assume 22 if unknown)
Predominant Soil/Site Type: Enter 1, 2, or 3 (for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22)	2	1) Sand Gravel : Use for quaternary deposits (Delta/V 2) Weathered Rock-Earth : Use for Laguna formation 3) Blasted Rock : Use for Salt Springs Slate or Coppe
Project Length	0.56	miles
Total Project Area	7.00	acres
Maximum Area Disturbed/Day	1.75	acres
Water Trucks Used?	1	1. Yes 2. No

Project Name	Lime Rock Valley Road - Phase 2	
Construction Start Year	2030	Enter a Year between 2014 and 2040 (inclusive)
Project Type	1	1) New Road Construction : Project to 2) Road Widening : Project to add a ne 3) Bridge/Overpass Construction : Pro 4) Other Linear Project Type: Non-road
Project Construction Time	0.50	months
Working Days per Month	22.00	days (assume 22 if unknown)
Predominant Soil/Site Type: Enter 1, 2, or 3 (for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22)	2	1) Sand Gravel : Use for quaternary de 2) Weathered Rock-Earth : Use for La 3) Blasted Rock : Use for Salt Springs
Project Length	0.68	miles
Total Project Area	8.00	acres
Maximum Area Disturbed/Day	2.00	acres
Water Trucks Used?	1	1. Yes 2. No

Project Name	Lime Rock Valley Road - Phase 3	
Construction Start Year	2035	Enter a Year between 2014 2040 (inclusive)
Project Type	1	1) New Road Construction 2) Road Widening : Projec 3) Bridge/Overpass Constr 4) Other Linear Project Type
Project Construction Time	0.50	months
Working Days per Month	22.00	days (assume 22 if unknov
Predominant Soil/Site Type: Enter 1, 2, or 3 (for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22)	2	1) Sand Gravel : Use for qu 2) Weathered Rock-Earth : 3) Blasted Rock : Use for S
Project Length	0.94	miles
Total Project Area	12.00	acres
Maximum Area Disturbed/Day	3.00	acres
Water Trucks Used?	1	1. Yes 2. No

Project Name	Phase 2 Loop Road	
Construction Start Year	2030	Enter a Year between 2014 and 2040 (inclusive)
Project Type	1	1) New Road Construction : Project to 2) Road Widening : Project to add a ne 3) Bridge/Overpass Construction : Pro 4) Other Linear Project Type: Non-road
Project Construction Time	0.50	months
Working Days per Month	22.00	days (assume 22 if unknown)
Predominant Soil/Site Type: Enter 1, 2, or 3 (for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22)	2	1) Sand Gravel : Use for quaternary de 2) Weathered Rock-Earth : Use for Lag 3) Blasted Rock : Use for Salt Springs
Project Length	1.89	miles
Total Project Area	23.00	acres
Maximum Area Disturbed/Day	5.75	acres
Water Trucks Used?	1	1. Yes 2. No

Construction Summary

Construction Invenotry

					Unmitigated										Mitigated										MT/Year			
									PM10			PM2.5							PM10			PM2.5						
Type	Phase	Start	End	Days	ROG	NOX	CO	SO2	Dust	Exhaust	Total	Dust	Exhaust	Total	ROG	NOX	CO	SO2	Dust	Exhaust	Total	Dust	Exhaust	Total	CO2	CH4	N2O	CO2e
LRVSP	Site Preparation	1/1/2023	1/11/2023	8	3	28	19	0	18	1	19	10	1	11	3	25	19	0	5	1	6	3	1	4	14	0	0	14
LRVSP	Grading	1/12/2023	2/7/2023	19	3	35	29	0	8	1	10	4	1	5	3	31	29	0	2	1	4	1	1	2	53	0	0	54
LRVSP	Building Construction	2/28/2023	11/20/2023	190	3	24	27	0	3	1	4	1	1	1	3	23	27	0	3	1	4	1	1	1	645	0	0	647
LRVSP	Utilities	2/8/2023	2/27/2023	14	1	12	17	0	0	0	1	0	0	0	1	10	17	0	0	0	1	0	0	0	21	0	0	21
LRVSP	Paving	11/21/2023	12/8/2023	14	3	10	15	0	0	1	1	0	0	1	3	9	15	0	0	1	1	0	0	1	15	0	0	15
LRVSP	Architectural Coating	12/9/2023	12/28/2023	14	124	1	3	0	0	0	1	0	0	0	9	1	3	0	0	0	1	0	0	0	4	0	0	4
LRVSP	Site Preparation	1/1/2024	1/10/2024	8	3	27	19	0	18	1	19	10	1	11	3	24	19	0	5	1	6	3	1	4	14	0	0	14
LRVSP	Grading	1/11/2024	2/6/2024	19	3	32	28	0	7	1	9	3	1	5	3	29	28	0	2	1	3	1	1	2	53	0	0	53
LRVSP	Building Construction	2/27/2024	11/18/2024	190	2	14	17	0	0	1	1	0	1	1	2	13	17	0	0	1	1	0	1	1	243	0	0	245
LRVSP	Utilities	2/7/2024	2/26/2024	14	1	10	17	0	0	0	1	0	0	0	1	9	17	0	0	0	1	0	0	0	21	0	0	21
LRVSP	Paving	11/19/2024	12/6/2024	14	1	10	15	0	0	0	1	0	0	0	1	9	15	0	0	0	1	0	0	0	15	0	0	15
LRVSP	Architectural Coating	12/7/2024	12/26/2024	14	123	1	2	0	0	0	0	0	0	0	8	1	2	0	0	0	0	0	0	0	2	0	0	2
LRVSP	Site Preparation	1/1/2025	1/10/2025	8	3	25	18	0	18	1	19	10	1	11	3	23	18	0	5	1	6	3	1	4	14	0	0	14
LRVSP	Grading	1/11/2025	2/6/2025	19	3	28	27	0	7	1	9	3	1	5	3	25	27	0	2	1	3	1	1	2	53	0	0	53
LRVSP	Building Construction	2/27/2025	11/19/2025	190	1	13	17	0	0	1	1	0	0	1	1	12	17	0	0	1	1	0	0	1	243	0	0	244
LRVSP	Utilities	12/10/2025	12/29/2025	14	1	9	16	0	0	0	0	0	0	0	1	8	16	0	0	0	0	0	0	0	21	0	0	21
LRVSP	Paving	2/7/2025	2/26/2025	14	1	9	15	0	0	0	1	0	0	0	1	8	15	0	0	0	1	0	0	0	15	0	0	15
LRVSP	Architectural Coating	11/20/2025	12/9/2025	14	123	1	2	0	0	0	0	0	0	0	8	1	2	0	0	0	0	0	0	0	2	0	0	2
LRVSP	Site Preparation	1/1/2026	1/12/2026	8	3	25	18	0	18	1	19	10	1	11	3	23	18	0	5	1	6	3	1	4	14	0	0	14
LRVSP	Grading	1/13/2026	2/6/2026	19	3	28	27	0	7	1	9	3	1	5	3	25	27	0	2	1	3	1	1	2	53	0	0	53
LRVSP	Building Construction	2/27/2026	11/19/2026	190	1	13	17	0	0	1	1	0	0	1	1	12	17	0	0	1	1	0	0	1	242	0	0	244
LRVSP	Utilities	12/10/2026	12/29/2026	14	1	9	16	0	0	0	0	0	0	0	1	8	16	0	0	0	0	0	0	0	21	0	0	21
LRVSP	Paving	2/7/2026	2/26/2026	14	1	9	15	0	0	0	1	0	0	0	1	8	15	0	0	0	1	0	0	0	15	0	0	15
LRVSP	Architectural Coating	11/20/2026	12/9/2026	14	123	1	2	0	0	0	0	0	0	0	8	1	2	0	0	0	0	0	0	0	2	0	0	2
LRVSP	Site Preparation	1/1/2027	1/12/2027	8	3	25	18	0	18	1	19	10	1	11	3	23	18	0	5	1	6	3	1	4	14	0	0	14
LRVSP	Grading	1/13/2027	2/8/2027	19	3	28	27	0	7	1	9	3	1	5	3	25	27	0	2	1	3	1	1	2	53	0	0	53
LRVSP	Building Construction	2/27/2027	11/19/2027	190	1	13	17	0	0	1	1	0	0	1	1	12	17	0	0	1	1	0	0	1	242	0	0	243
LRVSP	Utilities	12/10/2027	12/29/2027	14	1	9	16	0	0	0	0	0	0	0	1	8	16	0	0	0	0	0	0	0	21	0	0	21
LRVSP	Paving	2/9/2027	2/26/2027	14	1	9	15	0	0	0	1	0	0	0	1	8	15	0	0	0	1	0	0	0	15	0	0	15
LRVSP	Architectural Coating	11/20/2027	12/9/2027	14	123	1	2	0	0	0	0	0	0	0	8	1	2	0	0	0	0	0	0	0	2	0	0	2
LRVSP	Site Preparation	1/1/2028	1/12/2028	8	3	25	18	0	18	1	19	10	1	11	3	25	18	0	5	1	6	3	1	4	14	0	0	14
LRVSP	Grading	1/13/2028	2/8/2028	19	3	28	27	0	7	1	9	3	1	5	3	28	27	0	2	1	3	1	1	2	53	0	0	53
LRVSP	Building Construction	2/9/2028	2/28/2028	14	1	13	17	0	0	1	1	0	0	1	1	13	17	0	0	1	1	0	0	1	18	0	0	18
LRVSP	Utilities	12/9/2028	12/28/2028	14	1	9	16	0	0	0	0	0	0	0	1	9	16	0	0	0	0	0	0	0	21	0	0	21
LRVSP	Paving	2/29/2028	11/20/2028	190	1	9	15	0	0	0	1	0	0	0	1	9	15	0	0	0	1	0	0	0	198	0	0	200
LRVSP	Architectural Coating	11/21/2028	12/8/2028	14	123	1	2	0	0	0	0	0	0	0	8	1	2	0	0	0	0	0	0	0	2	0	0	2
LRVSP	Site Preparation	1/1/2029	1/10/2029	8	3	25	18	0	18	1	19	10	1	11	3	25	18	0	5	1	6	3	1	4	14	0	0	14
LRVSP	Grading	1/11/2029	2/6/2029	19	3	28	27	0	9	1	10	4	1	5	3	28	27	0	2	1	3	1	1	2	53	0	0	53
LRVSP	Building Construction	2/27/2029	11/19/2029	190	2	18	21	0	2	1	3	1	1	1	2	18	21	0	2	1	3	1	1	1	477	0	0	479
LRVSP	Utilities	2/7/2029	2/26/2029	14	1	9	16	0	0	0	0	0	0	0	1	9	16	0	0	0	0	0	0	0	21	0	0	21
LRVSP	Paving	11/20/2029	12/7/2029	14	5	9	15	0	0	0	1	0	0	0	5	9	15	0	0	0	1	0	0	0	15	0	0	15
LRVSP	Architectural Coating	12/8/2029	12/27/2029	14	121	1	2	0	0	0	0	0	0	0	8	1	2	0	0	0	0	0	0	0	3	0	0	3
LRVSP	Site Preparation	1/1/2030	1/10/2030	8	2	14	17	0	18	0	19	10	0	10	2	14	17	0	5	0	5	3	0	3	16	0	0	16
LRVSP	Grading	1/11/2030	2/6/2030	19	3	14	23	0	7	0	8	3	0	4	3	14	23	0	2	0	2	1	0	1	63	0	0	63
LRVSP	Building Construction	2/27/2030	11/19/2030	190	1	8	17	0	0	0	0	0	0	0	1	8	17	0	0	0	0	0	0	0	270	0	0	271
LRVSP	Utilities	2/7/2030	2/26/2030	14	1	4	18	0	0	0	0	0	0	0	1	4	18	0	0	0	0	0	0	0	25	0	0	25
LRVSP	Paving	11/20/2030	12/9/2030	14	1	7	16	0	0	0	0	0	0	0	1	7	16	0	0	0	0	0	0	0	17	0	0	17
LRVSP	Architectural Coating	12/10/2030	12/27/2030	14	121	1	2	0	0	0	0	0	0	0	8	1	2	0	0	0	0	0	0	0	2	0	0	2
LRVSP	Site Preparation	1/1/2031	1/10/2031	8	2	14	17	0	18	0	19	10	0	10	2	14	17	0	5	0	5	3	0	3	16	0	0	16
LRVSP	Grading	1/11/2031	2/6/2031	19	3	14	23	0	7	0	8	3	0	4	3	14	23	0	2	0	2	1	0	1	63	0	0	63
LRVSP	Building Construction	2/27/2031	11/19/2031	190	1	8	17	0	0	0	0	0	0	0	1	8	17	0	0	0	0	0	0	0	270	0	0	270
LRVSP	Utilities	12/10/2031	12/29/2031	14	1	4	17	0	0	0	0	0	0	0	1	4	17	0	0	0	0	0	0	0	25	0	0	25
LRVSP	Paving	2/7/2031	2/26/2031	14	1	7	16	0	0	0	0	0	0	0	1	7	16	0	0	0	0	0	0	0	17	0	0	17
LRVSP	Architectural Coating	11/20/2031	12/9/2031	14	121	1	2	0	0	0	0	0	0	0	8	1	2	0	0	0	0	0	0	0	2	0	0	2

LRVSP	Site Preparation	1/1/2032	1/12/2032	8	2	14	17	0	18	0	19	10	0	10	2	14	17	0	5	0	5	3	0	3	16	0	0	16
LRVSP	Grading	1/13/2032	2/6/2032	19	3	14	23	0	7	0	8	3	0	4	3	14	23	0	2	0	2	1	0	1	63	0	0	63
LRVSP	Building Construction	2/27/2032	11/18/2032	190	1	8	17	0	0	0	0	0	0	0	1	8	17	0	0	0	0	0	0	0	270	0	0	270
LRVSP	Utilities	12/9/2032	12/28/2032	14	1	4	17	0	0	0	0	0	0	0	1	4	17	0	0	0	0	0	0	0	25	0	0	25
LRVSP	Paving	2/7/2032	2/26/2032	14	1	7	16	0	0	0	0	0	0	0	1	7	16	0	0	0	0	0	0	0	17	0	0	17
LRVSP	Architectural Coating	11/19/2032	12/8/2032	14	121	1	2	0	0	0	0	0	0	0	8	1	2	0	0	0	0	0	0	0	2	0	0	2
LRVSP	Site Preparation	1/1/2033	1/12/2033	8	2	14	17	0	18	0	19	10	0	10	2	14	17	0	5	0	5	3	0	3	16	0	0	16
LRVSP	Grading	1/13/2033	2/8/2033	19	3	14	23	0	7	0	8	3	0	4	3	14	23	0	2	0	2	1	0	1	63	0	0	63
LRVSP	Building Construction	3/1/2033	11/21/2033	190	1	8	17	0	0	0	0	0	0	0	1	8	17	0	0	0	0	0	0	0	270	0	0	270
LRVSP	Utilities	2/9/2033	2/28/2033	14	1	4	17	0	0	0	0	0	0	0	1	4	17	0	0	0	0	0	0	0	25	0	0	25
LRVSP	Paving	11/22/2033	12/9/2033	14	1	7	16	0	0	0	0	0	0	0	1	7	16	0	0	0	0	0	0	0	17	0	0	17
LRVSP	Architectural Coating	12/10/2033	12/29/2033	14	118	1	2	0	0	0	0	0	0	0	8	1	2	0	0	0	0	0	0	0	2	0	0	2
LRVSP	Site Preparation	1/1/2034	1/11/2034	8	2	14	17	0	18	0	19	10	0	10	2	14	17	0	5	0	5	3	0	3	16	0	0	16
LRVSP	Grading	1/12/2034	2/7/2034	19	3	14	23	0	8	0	9	4	0	4	3	14	23	0	2	0	3	1	0	1	63	0	0	63
LRVSP	Building Construction	2/28/2034	11/20/2034	190	2	14	21	0	2	0	3	1	0	1	2	14	21	0	2	0	3	1	0	1	544	0	0	544
LRVSP	Utilities	2/8/2034	2/27/2034	14	1	4	17	0	0	0	0	0	0	0	1	4	17	0	0	0	0	0	0	0	25	0	0	25
LRVSP	Paving	11/21/2034	12/8/2034	14	3	7	16	0	0	0	0	0	0	0	3	7	16	0	0	0	0	0	0	0	17	0	0	17
LRVSP	Architectural Coating	12/9/2034	12/28/2034	14	118	1	2	0	0	0	0	0	0	0	8	1	2	0	0	0	0	0	0	0	3	0	0	3
LRVSP	Site Preparation	1/1/2035	1/10/2035	8	2	10	16	0	18	0	19	10	0	10	2	10	16	0	5	0	5	3	0	3	16	0	0	16
LRVSP	Grading	1/11/2035	2/6/2035	19	3	10	23	0	7	0	8	3	0	4	3	10	23	0	2	0	2	1	0	1	63	0	0	63
LRVSP	Building Construction	2/7/2035	2/26/2035	14	1	8	16	0	0	0	0	0	0	0	1	8	16	0	0	0	0	0	0	0	20	0	0	20
LRVSP	Utilities	12/8/2035	12/27/2035	14	1	3	17	0	0	0	0	0	0	0	1	3	17	0	0	0	0	0	0	0	25	0	0	25
LRVSP	Paving	2/27/2035	11/19/2035	190	1	5	16	0	0	0	0	0	0	0	1	5	16	0	0	0	0	0	0	0	236	0	0	236
LRVSP	Architectural Coating	11/20/2035	12/7/2035	14	118	1	2	0	0	0	0	0	0	0	8	1	2	0	0	0	0	0	0	0	2	0	0	2
LRVSP	Site Preparation	1/1/2036	1/10/2036	8	2	10	16	0	18	0	19	10	0	10	2	10	16	0	5	0	5	3	0	3	16	0	0	16
LRVSP	Grading	1/11/2036	2/6/2036	19	3	10	23	0	7	0	8	3	0	4	3	10	23	0	2	0	2	1	0	1	63	0	0	63
LRVSP	Building Construction	2/7/2036	2/26/2036	14	1	8	16	0	0	0	0	0	0	0	1	8	16	0	0	0	0	0	0	0	20	0	0	20
LRVSP	Utilities	12/9/2036	12/26/2036	14	1	3	17	0	0	0	0	0	0	0	1	3	17	0	0	0	0	0	0	0	25	0	0	25
LRVSP	Paving	2/27/2036	11/18/2036	190	1	5	16	0	0	0	0	0	0	0	1	5	16	0	0	0	0	0	0	0	236	0	0	236
LRVSP	Architectural Coating	11/19/2036	12/8/2036	14	118	1	2	0	0	0	0	0	0	0	8	1	2	0	0	0	0	0	0	0	2	0	0	2
LRVSP	Site Preparation	1/1/2037	1/12/2037	8	2	10	16	0	18	0	19	10	0	10	2	10	16	0	5	0	5	3	0	3	16	0	0	16
LRVSP	Grading	1/13/2037	2/6/2037	19	3	10	23	0	7	0	8	3	0	4	3	10	23	0	2	0	2	1	0	1	63	0	0	63
LRVSP	Building Construction	2/7/2037	2/26/2037	14	1	8	16	0	0	0	0	0	0	0	1	8	16	0	0	0	0	0	0	0	20	0	0	20
LRVSP	Utilities	12/10/2037	12/29/2037	14	1	3	17	0	0	0	0	0	0	0	1	3	17	0	0	0	0	0	0	0	25	0	0	25
LRVSP	Paving	2/27/2037	11/19/2037	190	1	5	16	0	0	0	0	0	0	0	1	5	16	0	0	0	0	0	0	0	236	0	0	236
LRVSP	Architectural Coating	11/20/2037	12/9/2037	14	118	1	2	0	0	0	0	0	0	0	8	1	2	0	0	0	0	0	0	0	2	0	0	2
LRVSP	Site Preparation	1/1/2038	1/12/2038	8	2	10	16	0	18	0	19	10	0	10	2	10	16	0	5	0	5	3	0	3	16	0	0	16
LRVSP	Grading	1/13/2038	2/8/2038	19	3	10	23	0	7	0	8	3	0	4	3	10	23	0	2	0	2	1	0	1	63	0	0	63
LRVSP	Building Construction	2/9/2038	2/26/2038	14	1	8	16	0	0	0	0	0	0	0	1	8	16	0	0	0	0	0	0	0	20	0	0	20
LRVSP	Utilities	12/10/2038	12/29/2038	14	1	3	17	0	0	0	0	0	0	0	1	3	17	0	0	0	0	0	0	0	25	0	0	25
LRVSP	Paving	2/27/2038	11/19/2038	190	1	5	16	0	0	0	0	0	0	0	1	5	16	0	0	0	0	0	0	0	236	0	0	236
LRVSP	Architectural Coating	11/20/2038	12/9/2038	14	118	1	2	0	0	0	0	0	0	0	8	1	2	0	0	0	0	0	0	0	2	0	0	2
Lime Rock Valley Road - Phase 1	Grubbing/Land Clearing	1/1/2024	1/2/2024	1.1	1	7	6	0	18	0	18	4	0	4	1	6	6	0	4	0	5	1	0	1	0	0	0	0
Lime Rock Valley Road - Phase 1	Grading/Excavation	1/3/2024	1/7/2024	4.95	4	37	37	0	18	2	19	4	1	5	4	34	37	0	4	2	6	1	1	2	20	0	0	21
Lime Rock Valley Road - Phase 1	Drainage/Utilities/Sub-Grade	1/10/2024	1/13/2024	3.3	3	31	32	0	18	1	19	4	1	5	3	28	32	0	4	1	6	1	1	2	11	0	0	11
Lime Rock Valley Road - Phase 1	Paving	1/15/2024	1/16/2024	1.65	1	11	17	0	0	1	1	0	1	1	1	10	17	0	0	1	1	0	1	1	2	0	0	2
Deer Creek Road	Grubbing/Land Clearing	1/1/2024	1/2/2024	1.1	1	7	6	0	15	0	15	3	0	3	1	6	6	0	4	0	4	1	0	1	0	0	0	0
Deer Creek Road	Grading/Excavation	1/3/2024	1/7/2024	4.95	4	37	37	0	15	2	17	3	1	5	4	34	37	0	4	2	5	1	1	2	20	0	0	21
Deer Creek Road	Drainage/Utilities/Sub-Grade	1/10/2024	1/13/2024	3.3	3	31	32	0	15	1	16	3	1	4	3	28	32	0	4	1	5	1	1	2	11	0	0	11
Deer Creek Road	Paving	1/15/2024	1/16/2024	1.65	1	11	17	0	0	1	1	0	1	1	1	10	17	0	0	1	1	0	1	1	2	0	0	2
Lime Rock Valley Road - Phase 2	Grubbing/Land Clearing	1/1/2030	1/2/2030	1.1	1	3	6	0	20	0	20	4	0	4	1	3	6	0	5	0	5	1	0	1	0	0	0	0
Lime Rock Valley Road - Phase 2	Grading/Excavation	1/3/2030	1/7/2030	4.95	4	16	33	0	20	1	21	4	1	5	4	16	33	0	5	1	6	1	1	2	24	0	0	24
Lime Rock Valley Road - Phase 2	Drainage/Utilities/Sub-Grade	1/10/2030	1/13/2030	3.3	3	16	27	0	20	1	21	4	0	5	3	16	27	0	5	1	6	1	0	2	12	0	0	13
Lime Rock Valley Road - Phase 2	Paving	1/15/2030	1/16/2030	1.65	1	8	17	0	0	0	0	0	0	0	1	8	17	0	0	0	0	0	0	0	3	0	0	3
Phase 2 Loop Road	Grubbing/Land Clearing	1/1/2030	1/2/2030	1.1	1	5	12	0	58	0	58	12	0	12	1	5	12	0	14	0	15	3	0	3	0	0	0	0
Phase 2 Loop Road	Grading/Excavation	1/3/2030	1/7/2030	4.95	7	27	51	0	58	1	59	12	1	13	7	27	51	0	14	1	15	3	1	4	40	0	0	40
Phase 2 Loop Road	Drainage/Utilities/Sub-Grade	1/10/2030	1/13/2030	3.3	5	28	48	0	58	1	58	12	1	13	5	28	48	0	14	1	15	3	1	4	21	0	0	21
Phase 2 Loop Road	Paving	1/15/2030	1/16/2030	1.65	2	13	28	0	0	1	1	0	0	0	2	13	28	0	0	1	1	0	0	0	4	0	0	4
Lime Rock Valley Road - Phase 3	Grubbing/Land Clearing	1/1/2035	1/2/2035	1.1	1	2	6	0	30	0	30	6	0	6	1	2	6	0	8	0	8	2	0	2	0	0	0	0

Lime Rock Valley Road - Phase 3	Grading/Excavation	1/3/2035	1/7/2035	4.95	4	12	32	0	30	0	30	6	0	7	4	12	32	0	8	0	8	2	0	2	24	0	0	24
Lime Rock Valley Road - Phase 3	Drainage/Utilities/Sub-Grade	1/10/2035	1/13/2035	3.3	3	13	27	0	30	0	30	6	0	7	3	13	27	0	8	0	8	2	0	2	12	0	0	12
Lime Rock Valley Road - Phase 3	Paving	1/15/2035	1/16/2035	1.65	1	7	17	0	0	0	0	0	0	0	1	7	17	0	0	0	0	0	0	0	3	0	0	3
Bass Lake Road Interim Interchange	Grubbing/Land Clearing	1/1/2023	2/14/2023	44	1	7	6	0	5	0	5	1	0	1	1	6	6	0	1	0	1	0	0	0	0	0	0	0
Bass Lake Road Interim Interchange	Grading/Excavation	3/3/2023	10/9/2023	220	4	40	37	0	5	2	6	1	2	2	4	36	37	0	1	2	3	0	2	2	904	0	0	914
Bass Lake Road Interim Interchange	Drainage/Utilities/Sub-Grade	1/2/2024	4/21/2024	110	3	31	32	0	5	1	6	1	1	2	3	28	32	0	1	1	2	0	1	1	370	0	0	374
Bass Lake Road Interim Interchange	Paving	6/3/2024	8/8/2024	66	1	11	17	0	0	1	1	0	1	1	1	10	17	0	0	1	1	0	1	1	89	0	0	90
Cambridge Interim Interchange	Grubbing/Land Clearing	1/1/2029	2/14/2029	44	1	6	6	0	6	0	6	1	0	1	1	6	6	0	1	0	2	0	0	1	0	0	0	0
Cambridge Interim Interchange	Grading/Excavation	3/3/2029	10/9/2029	220	3	32	35	0	6	1	7	1	1	2	3	32	35	0	1	1	3	0	1	1	893	0	0	903
Cambridge Interim Interchange	Drainage/Utilities/Sub-Grade	1/2/2030	4/22/2030	110	3	16	27	0	6	1	6	1	0	2	3	16	27	0	1	1	2	0	0	1	415	0	0	417
Cambridge Interim Interchange	Paving	6/4/2030	8/9/2030	66	1	8	17	0	0	0	0	0	0	0	1	8	17	0	0	0	0	0	0	0	101	0	0	102
Marble Valley Parkway	Grubbing/Land Clearing	1/1/2031	1/23/2031	44	1	5	12	0	37	0	37	8	0	8	1	5	12	0	9	0	9	2	0	2	0	0	0	0
Marble Valley Parkway	Grading/Excavation	2/1/2031	5/22/2031	220	8	33	65	0	37	1	38	8	1	9	8	33	65	0	9	1	10	2	1	3	1,055	0	0	1,059
Marble Valley Parkway	Drainage/Utilities/Sub-Grade	7/4/2031	8/28/2031	110	6	32	54	0	37	1	38	8	1	9	6	32	54	0	9	1	10	2	1	3	414	0	0	415
Marble Valley Parkway	Paving	9/19/2031	10/22/2031	66	3	16	34	0	0	1	1	0	1	1	3	16	34	0	0	1	1	0	1	1	100	0	0	100
24" Potable Water Transmission Line	Grubbing/Land Clearing	1/1/2022	2/14/2022	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24" Potable Water Transmission Line	Grading/Excavation	1/1/2022	8/9/2022	220	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24" Potable Water Transmission Line	Drainage/Utilities/Sub-Grade	1/1/2022	4/21/2022	110	4	35	34	0	33	2	34	7	1	8	4	32	34	0	8	2	10	2	1	3	1,564	0	0	1,579
24" Potable Water Transmission Line	Paving	9/2/2023	11/7/2023	66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Operation CalEEMod

LRVSP Annual Operation - 2024 - El Dorado-Mountain County County, Summer

LRVSP Annual Operation - 2024
El Dorado-Mountain County County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	9.00	Acre	9.00	392,040.00	0
City Park	5.00	Acre	5.00	217,800.00	0
Single Family Housing	51.00	Dwelling Unit	16.56	91,800.00	146

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	70
Climate Zone	1			**Operational Year**	2024
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	641.35	**CH4 Intensity**	0.029	**N2O Intensity**	0.006

1.3 User Entered Comments & Non-Default Data

Land Use - From project description
Vehicle Trips - Trip rates per traffic study
Area Mitigation - Only natural gas hearth (LRVSP Policy 7.78)
Energy Mitigation - Min 7% better than the 2016 code (model default) per 2019 standard

Table Name	Column Name	Default Value	New Value
tblFireplaces	NumberGas	28.05	31.73
tblFireplaces	NumberWood	17.85	19.27
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	9.91	9.52
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	8.62	9.52
tblVehicleTrips	WD_TR	1.89	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2017	0.8945	4.5672	5.6200e-		0.0917	0.0917		0.0917	0.0917	0.0000	1,087.579	1,087.5792	0.0280	0.0198	1,094.179
Energy	0.0172	0.1465	0.0624	9.4000e-		0.0119	0.0119		0.0119	0.0119		187.0730	187.0730	3.5900e-	3.4300e-	188.1847
Mobile	0.9247	2.4312	9.7471	0.0312	2.9426	0.0273	2.9699	0.7860	0.0255	0.8115		3,126.491	3,126.4917	0.0878		3,128.685
Total	**4.1436**	**3.4722**	**14.3767**	**0.0377**	**2.9426**	**0.1309**	**3.0734**	**0.7860**	**0.1291**	**0.9150**	**0.0000**	**4,401.144**	**4,401.1440**	**0.1193**	**0.0232**	**4,411.049**

4.0 Operational Detail - Mobile

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	485.52	485.52	485.52	1,390,793	1,390,793
Total	485.52	485.52	485.52	1,390,793	1,390,793

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	10.80	7.30	7.50	42.60	21.00	36.40	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.542923	0.036563	0.224970	0.128073	0.025383	0.005498	0.017257	0.009562	0.001621	0.001069	0.005080	0.000783	0.001219
Other Asphalt Surfaces	0.542923	0.036563	0.224970	0.128073	0.025383	0.005498	0.017257	0.009562	0.001621	0.001069	0.005080	0.000783	0.001219
Single Family Housing	0.542923	0.036563	0.224970	0.128073	0.025383	0.005498	0.017257	0.009562	0.001621	0.001069	0.005080	0.000783	0.001219

5.0 Energy Detail

Historical Energy Use: N
Exceed Title 24

	NaturalGa	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Other Asphalt	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family	1.59012	0.0172	0.1465	0.0624	9.4000e-		0.0119	0.0119		0.0119	0.0119		187.0730	187.0730	3.5900e-	3.4300e-	188.1847
Total		**0.0172**	**0.1465**	**0.0624**	**9.4000e-**		**0.0119**	**0.0119**		**0.0119**	**0.0119**		**187.0730**	**187.0730**	**3.5900e-**	**3.4300e-**	**188.1847**

6.0 Area Detail

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural	0.8615					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer	2.1146					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0990	0.8460	0.3600	5.4000e-		0.0684	0.0684		0.0684	0.0684	0.0000	1,080.000	1,080.0000	0.0207	0.0198	1,086.417
Landscaping	0.1266	0.0485	4.2072	2.2000e-		0.0233	0.0233		0.0233	0.0233		7.5792	7.5792	7.2800e-		7.7612
Total	**3.2017**	**0.8945**	**4.5672**	**5.6200e-**		**0.0917**	**0.0917**		**0.0917**	**0.0917**	**0.0000**	**1,087.579**	**1,087.5792**	**0.0280**	**0.0198**	**1,094.179**

LRVSP Annual Operation - 2025 - El Dorado-Mountain County County, Summer

LRVSP Annual Operation - 2025
El Dorado-Mountain County County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	9.00	Acre	9.00	392,040.00	0
City Park	5.00	Acre	5.00	217,800.00	0
Single Family Housing	102.00	Dwelling Unit	33.12	183,600.00	292

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	70
Climate Zone	1			**Operational Year**	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	641.35	**CH4 Intensity**	0.029	**N2O Intensity**	0.006

1.3 User Entered Comments & Non-Default Data

Land Use - From project description
Vehicle Trips - Trip rates from F&P
Area Coating - all operations in EDCAQMD must apply coatings with VOC contents of 150 g/L or less, effective 1/1/2018
Area Mitigation - Only natural gas hearth (LRVSP Policy 7.78)
Energy Mitigation - Min 7% better than the 2016 code (model default) per 2019 standard. Energy star appliances (LRVSP Policy 7.15).

Table Name	Column Name	Default Value	New Value
tblFireplaces	NumberGas	56.10	63.47
tblFireplaces	NumberWood	35.70	38.53
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	9.91	9.52
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	8.62	9.52
tblVehicleTrips	WD_TR	1.89	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.1781	1.7889	9.1286	0.0112		0.1835	0.1835		0.1835	0.1835	0	2,175.16	2,175.16	0.0559	0.0396	2,188.35
Energy	0.0343	0.2931	0.1247	1.87E-03		0.0237	0.0237		0.0237	0.0237		374.146	374.146	7.17E-03	6.86E-03	376.3694
Mobile	1.7479	4.5194	18.2288	0.06	5.8831	0.0521	5.9352	1.5711	0.0486	1.6197		6,023.62	6,023.62	0.1627		6,027.69
Total	**7.9603**	**6.6013**	**27.4821**	**0.0731**	**5.8831**	**0.2592**	**6.1423**	**1.5711**	**0.2557**	**1.8268**	**0**	**8,572.92**	**8,572.92**	**0.2258**	**0.0465**	**8,592.41**

4.0 Operational Detail - Mobile

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	971.04	971.04	971.04	2,781,585	2,781,585
Total	971.04	971.04	971.04	2,781,585	2,781,585

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	10.80	7.30	7.50	42.60	21.00	36.40	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.548420	0.035778	0.224960	0.125817	0.023380	0.005183	0.017399	0.009541	0.001620	0.001043	0.004971	0.000775	0.001113
Other Asphalt Surfaces	0.548420	0.035778	0.224960	0.125817	0.023380	0.005183	0.017399	0.009541	0.001620	0.001043	0.004971	0.000775	0.001113
Single Family Housing	0.548420	0.035778	0.224960	0.125817	0.023380	0.005183	0.017399	0.009541	0.001620	0.001043	0.004971	0.000775	0.001113

5.0 Energy Detail

Historical Energy Use: N
Exceed Title 24
Install Energy Efficient Appliances

	NaturalGa	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0	0	0	0		0	0		0	0		0	0	0	0	0
Other Asphalt	0	0	0	0	0		0	0		0	0		0	0	0	0	0
Single Family	3.18024	0.0343	0.2931	0.1247	1.87E-03		0.0237	0.0237		0.0237	0.0237		374.146	374.146	7.17E-03	6.86E-03	376.3694
Total		**0.0343**	**0.2931**	**0.1247**	**1.87E-03**		**0.0237**	**0.0237**		**0.0237**	**0.0237**		**374.146**	**374.146**	**7.17E-03**	**6.86E-03**	**376.3694**

6.0 Area Detail

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural	1.6484					0	0		0	0			0			0
Consumer	4.0791					0	0		0	0			0			0
Hearth	0.198	1.692	0.72	0.0108		0.1368	0.1368		0.1368	0.1368	0	2,160.00	2,160.00	0.0414	0.0396	2,172.84
Landscaping	0.2526	0.0969	8.4086	4.40E-04		0.0467	0.0467		0.0467	0.0467		15.1554	15.1554	0.0145		15.5184
Total	**6.1781**	**1.7889**	**9.1286**	**0.0112**		**0.1835**	**0.1835**		**0.1835**	**0.1835**	**0**	**2,175.16**	**2,175.16**	**0.0559**	**0.0396**	**2,188.35**

LRVSP Annual Operation - 2026 - El Dorado-Mountain County County, Summer

LRVSP Annual Operation - 2026
El Dorado-Mountain County County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	9.00	Acre	9.00	392,040.00	0
City Park	5.00	Acre	5.00	217,800.00	0
Single Family Housing	153.00	Dwelling Unit	49.68	275,400.00	438

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	70
Climate Zone	1			**Operational Year**	2026
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	641.35	**CH4 Intensity**	0.029	**N2O Intensity**	0.006

1.3 User Entered Comments & Non-Default Data

Land Use - From project description
Vehicle Trips - Trip rates from F&P
Area Coating - all operations in EDCAQMD must apply coatings with VOC contents of 150 g/L or less, effective 1/1/2018
Area Mitigation - Only natural gas hearth (LRVSP Policy 7.78)
Energy Mitigation - Min 7% better than the 2016 code (model default) per 2019 standard. Energy star appliances (LRVSP Policy 7.15).

Table Name	Column Name	Default Value	New Value
tblFireplaces	NumberGas	84.15	95.20
tblFireplaces	NumberWood	53.55	57.80
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	9.91	9.52
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	8.62	9.52
tblVehicleTrips	WD_TR	1.89	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	9.1547	2.6833	13.6922	0.0169		0.2752	0.2752		0.2752	0.2752	0	3,262.73	3,262.73	0.0839	0.0594	3,282.53
Energy	0.0515	0.4396	0.1871	2.81E-03		0.0355	0.0355		0.0355	0.0355		561.219	561.219	0.0108	0.0103	564.5541
Mobile	2.4864	6.3277	25.6868	0.0869	8.8221	0.074	8.8962	2.3556	0.069	2.4246		8,729.71	8,729.71	0.2276		8,735.40
Total	**11.6925**	**9.4506**	**39.5661**	**0.1066**	**8.8221**	**0.3847**	**9.2069**	**2.3556**	**0.3797**	**2.7353**	**0**	**12,553.66**	**12,553.66**	**0.3222**	**0.0697**	**12,582.48**

4.0 Operational Detail - Mobile

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	1,456.56	1,456.56	1456.56	4,172,378	4,172,378
Total	1,456.56	1,456.56	1,456.56	4,172,378	4,172,378

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	10.80	7.30	7.50	42.60	21.00	36.40	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.552995	0.035126	0.225007	0.123925	0.021624	0.004925	0.017556	0.009519	0.001625	0.001021	0.004886	0.000770	0.001022
Other Asphalt Surfaces	0.552995	0.035126	0.225007	0.123925	0.021624	0.004925	0.017556	0.009519	0.001625	0.001021	0.004886	0.000770	0.001022
Single Family Housing	0.552995	0.035126	0.225007	0.123925	0.021624	0.004925	0.017556	0.009519	0.001625	0.001021	0.004886	0.000770	0.001022

5.0 Energy Detail

Historical Energy Use: N
Exceed Title 24
Install Energy Efficient Appliances

	NaturalGa	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family	4.77036	0.0515	0.4396	0.1871	2.8100e-		0.0355	0.0355		0.0355	0.0355		561.2190	561.2190	0.0108	0.0103	564.5541
Total		**0.0515**	**0.4396**	**0.1871**	**2.8100e-**		**0.0355**	**0.0355**		**0.0355**	**0.0355**		**561.2190**	**561.2190**	**0.0108**	**0.0103**	**564.5541**

6.0 Area Detail

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural	2.4353					0	0		0	0			0			0
Consumer	6.0436					0	0		0	0			0			0
Hearth	252.4405	4.9634	309.2626	0.5567		43.3003	43.3003		43.3003	43.3003	4,520.31	2,016.00	6,536.31	3.9257	0.3624	6,742.46
Landscaping	0.3788	0.1453	12.6122	6.70E-04		0.07	0.07		0.07	0.07		22.7316	22.7316	0.0218		23.2759
Total	**261.2982**	**5.1087**	**321.8748**	**0.5574**		**43.3703**	**43.3703**		**43.3703**	**43.3703**	**4,520.31**	**2,038.73**	**6,559.04**	**3.9475**	**0.3624**	**6,765.74**

LRVSP Annual Operation - 2027 - El Dorado-Mountain County County, Summer

LRVSP Annual Operation - 2027
El Dorado-Mountain County County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	9.00	Acre	9.00	392,040.00	0
City Park	5.00	Acre	5.00	217,800.00	0
Single Family Housing	204.00	Dwelling Unit	66.23	367,200.00	583

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	70
Climate Zone	1			**Operational Year**	2027
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	641.35	**CH4 Intensity**	0.029	**N2O Intensity**	0.006

1.3 User Entered Comments & Non-Default Data

Land Use - From project description
Vehicle Trips - Trip rates from F&P
Area Coating - all operations in EDCAQMD must apply coatings with VOC contents of 150 g/L or less, effective 1/1/2018
Area Mitigation - Only natural gas hearth (LRVSP Policy 7.78)
Energy Mitigation - Min 7% better than the 2016 code (model default) per 2019 standard. Energy star appliances (LRVSP Policy 7.15).

Table Name	Column Name	Default Value	New Value
tblFireplaces	NumberGas	112.20	126.93
tblFireplaces	NumberWood	71.40	77.07
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	9.91	9.52
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	8.62	9.52
tblVehicleTrips	WD_TR	1.89	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	12.1313	3.5777	18.2557	0.0225		0.3669	0.3669		0.3669	0.3669	0.0000	4,350.307	4,350.3077	0.1118	0.0792	4,376.705
Energy	0.0686	0.5862	0.2494	3.7400e-		0.0474	0.0474		0.0474	0.0474		748.2921	748.2921	0.0143	0.0137	752.7388
Mobile	3.1446	7.8819	32.2464	0.1122	11.7596	0.0923	11.8519	3.1394	0.0860	3.2254		11,270.55	11,270.553	0.2834		11,277.63
Total	**15.3445**	**12.0457**	**50.7516**	**0.1385**	**11.7596**	**0.5066**	**12.2662**	**3.1394**	**0.5003**	**3.6397**	**0.0000**	**16,369.15**	**16,369.153**	**0.4095**	**0.0929**	**16,407.08**

4.0 Operational Detail - Mobile

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	1,942.08	1,942.08	1942.08	5,563,171	5,563,171
Total	1,942.08	1,942.08	1,942.08	5,563,171	5,563,171

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	10.80	7.30	7.50	42.60	21.00	36.40	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.557019	0.034577	0.225137	0.122292	0.020027	0.004692	0.017649	0.009477	0.001627	0.000999	0.004800	0.000764	0.000939
Other Asphalt Surfaces	0.557019	0.034577	0.225137	0.122292	0.020027	0.004692	0.017649	0.009477	0.001627	0.000999	0.004800	0.000764	0.000939
Single Family Housing	0.557019	0.034577	0.225137	0.122292	0.020027	0.004692	0.017649	0.009477	0.001627	0.000999	0.004800	0.000764	0.000939

5.0 Energy Detail

Historical Energy Use: N
Exceed Title 24
Install Energy Efficient Appliances

	NaturalGa	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					

City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family	6.36048	0.0686	0.5862	0.2494	3.7400e-		0.0474	0.0474		0.0474	0.0474		748.2921	748.2921	0.0143	0.0137	752.7388
Total		**0.0686**	**0.5862**	**0.2494**	**3.7400e-**		**0.0474**	**0.0474**		**0.0474**	**0.0474**		**748.2921**	**748.2921**	**0.0143**	**0.0137**	**752.7388**

6.0 Area Detail

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural	3.2222					0	0		0	0			0			0
Consumer	8.0082					0	0		0	0			0			0
Hearth	0.396	3.384	1.44	0.0216		0.2736	0.2736		0.2736	0.2736	0	4,320.00	4,320.00	0.0828	0.0792	4,345.67
Landscaping	0.505	0.1937	16.8157	8.90E-04		0.0933	0.0933		0.0933	0.0933		30.3077	30.3077	0.029		31.0334
Total	**12.1313**	**3.5777**	**18.2557**	**0.0225**		**0.3669**	**0.3669**		**0.3669**	**0.3669**	**0**	**4,350.31**	**4,350.31**	**0.1118**	**0.0792**	**4,376.71**

LRVSP Annual Operation - 2028 - El Dorado-Mountain County County, Summer

LRVSP Annual Operation - 2028
El Dorado-Mountain County County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	9.00	Acre	9.00	392,040.00	0
City Park	5.00	Acre	5.00	217,800.00	0
Single Family Housing	255.00	Dwelling Unit	82.79	459,000.00	729

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	70
Climate Zone	1			**Operational Year**	2028
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	641.35	**CH4 Intensity**	0.029	**N2O Intensity**	0.006

1.3 User Entered Comments & Non-Default Data

Land Use - From project description
Vehicle Trips - Trip rates from F&P
Area Coating - all operations in EDCAQMD must apply coatings with VOC contents of 150 g/L or less, effective 1/1/2018
Area Mitigation - Only natural gas hearth (LRVSP Policy 7.78)
Energy Mitigation - Min 7% better than the 2016 code (model default) per 2019 standard. Energy star appliances (LRVSP Policy 7.15).

Table Name	Column Name	Default Value	New Value
tblFireplaces	NumberGas	140.25	158.67
tblFireplaces	NumberWood	89.25	96.33
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	9.91	9.52
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	8.62	9.52
tblVehicleTrips	WD_TR	1.89	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	15.1079	4.4721	22.8193	0.0281		0.4586	0.4586		0.4586	0.4586	0	5,437.88	5,437.88	0.1398	0.099	5,470.88
Energy	0.0857	0.7327	0.3118	4.68E-03		0.0592	0.0592		0.0592	0.0592		935.3651	935.3651	0.0179	0.0172	940.9235
Mobile	3.7289	9.2151	38.0384	0.1362	14.6953	0.1062	14.8015	3.9225	0.0989	4.0214		13,676.69	13,676.69	0.3298		13,684.93
Total	**18.9225**	**14.4199**	**61.1695**	**0.169**	**14.6953**	**0.6241**	**15.3194**	**3.9225**	**0.6168**	**4.5392**	**0**	**20,049.94**	**20,049.94**	**0.4875**	**0.1162**	**20,096.74**

4.0 Operational Detail - Mobile

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	2,427.60	2,427.60	2427.60	6,953,964	6,953,964
Total	2,427.60	2,427.60	2,427.60	6,953,964	6,953,964

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	10.80	7.30	7.50	42.60	21.00	36.40	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.560436	0.034127	0.225306	0.120925	0.018624	0.004494	0.017700	0.009446	0.001631	0.000961	0.004725	0.000760	0.000866
Other Asphalt Surfaces	0.560436	0.034127	0.225306	0.120925	0.018624	0.004494	0.017700	0.009446	0.001631	0.000961	0.004725	0.000760	0.000866
Single Family Housing	0.560436	0.034127	0.225306	0.120925	0.018624	0.004494	0.017700	0.009446	0.001631	0.000961	0.004725	0.000760	0.000866

5.0 Energy Detail

Historical Energy Use: N
Exceed Title 24
Install Energy Efficient Appliances

	NaturalGa	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family	7.9506	0.0857	0.7327	0.3118	4.6800e-		0.0592	0.0592		0.0592	0.0592		935.3651	935.3651	0.0179	0.0172	940.9235
Total		**0.0857**	**0.7327**	**0.3118**	**4.6800e-**		**0.0592**	**0.0592**		**0.0592**	**0.0592**		**935.3651**	**935.3651**	**0.0179**	**0.0172**	**940.9235**

6.0 Area Detail

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural	4.009					0	0		0	0			0			0
Consumer	9.9727					0	0		0	0			0			0
Hearth	0.495	4.23	1.8	0.027		0.342	0.342		0.342	0.342	0	5,400.00	5,400.00	0.1035	0.099	5,432.09
Landscaping	0.6312	0.2421	21.0193	1.11E-03		0.1166	0.1166		0.1166	0.1166		37.8839	37.8839	0.0363		38.791
Total	**15.1079**	**4.4721**	**22.8193**	**0.0281**		**0.4586**	**0.4586**		**0.4586**	**0.4586**	**0**	**5,437.88**	**5,437.88**	**0.1398**	**0.099**	**5,470.88**

LRVSP Annual Operation - 2029 - El Dorado-Mountain County County, Summer

LRVSP Annual Operation - 2029
El Dorado-Mountain County County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	9.00	Acre	9.00	392,040.00	0
City Park	5.00	Acre	5.00	217,800.00	0
Single Family Housing	306.00	Dwelling Unit	99.35	550,800.00	875

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	70
Climate Zone	1			**Operational Year**	2029
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	641.35	**CH4 Intensity**	0.029	**N2O Intensity**	0.006

1.3 User Entered Comments & Non-Default Data

Land Use - From project description
Vehicle Trips - Trip rates from F&P
Area Coating - all operations in EDCAQMD must apply coatings with VOC contents of 150 g/L or less, effective 1/1/2018
Area Mitigation - Only natural gas hearth (LRVSP Policy 7.78)
Energy Mitigation - Min 7% better than the 2016 code (model default) per 2019 standard. Energy star appliances (LRVSP Policy 7.15).

Table Name	Column Name	Default Value	New Value
tblFireplaces	NumberGas	168.30	190.40
tblFireplaces	NumberWood	107.10	115.60
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	9.91	9.52
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	8.62	9.52
tblVehicleTrips	WD_TR	1.89	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	18.0845	5.3665	27.3829	0.0337		0.5504	0.5504		0.5504	0.5504	0	6,525.46	6,525.46	0.1677	0.1188	6,565.06
Energy	0.1029	0.8792	0.3742	5.61E-03		0.0711	0.0711		0.0711	0.0711		1,122.44	1,122.44	0.0215	0.0206	1,129.11
Mobile	4.2525	10.4067	43.1752	0.159	17.6306	0.1175	17.7481	4.7054	0.1094	4.8148		15,975.89	15,975.89	0.3721		15,985.19
Total	**22.4399**	**16.6524**	**70.9323**	**0.1984**	**17.6306**	**0.739**	**18.3695**	**4.7054**	**0.7308**	**5.4362**	**0**	**23,623.78**	**23,623.78**	**0.5614**	**0.1394**	**23,679.35**

4.0 Operational Detail - Mobile

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	2,913.12	2,913.12	2913.12	8,344,756	8,344,756
Total	2,913.12	2,913.12	2,913.12	8,344,756	8,344,756

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	10.80	7.30	7.50	42.60	21.00	36.40	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.563277	0.033751	0.225511	0.119803	0.017382	0.004328	0.017751	0.009394	0.001633	0.000947	0.004665	0.000757	0.000801
Other Asphalt Surfaces	0.563277	0.033751	0.225511	0.119803	0.017382	0.004328	0.017751	0.009394	0.001633	0.000947	0.004665	0.000757	0.000801
Single Family Housing	0.563277	0.033751	0.225511	0.119803	0.017382	0.004328	0.017751	0.009394	0.001633	0.000947	0.004665	0.000757	0.000801

5.0 Energy Detail

Historical Energy Use: N
Exceed Title 24
Install Energy Efficient Appliances

	NaturalGa	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family	9.54072	0.1029	0.8792	0.3742	5.6100e-		0.0711	0.0711		0.0711	0.0711		1,122.4381	1,122.438	0.0215	0.0206	1,129.1082
Total		**0.1029**	**0.8792**	**0.3742**	**5.6100e-**		**0.0711**	**0.0711**		**0.0711**	**0.0711**		**1,122.4381**	**1,122.438**	**0.0215**	**0.0206**	**1,129.1082**

6.0 Area Detail

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural	4.7959					0	0		0	0			0			0
Consumer	11.9372					0	0		0	0			0			0
Hearth	0.594	5.076	2.16	0.0324		0.4104	0.4104		0.4104	0.4104	0	6,480.00	6,480.00	0.1242	0.1188	6,518.51
Landscaping	0.7574	0.2905	25.2229	1.33E-03		0.14	0.14		0.14	0.14		45.4601	45.4601	0.0435		46.5485
Total	**18.0845**	**5.3665**	**27.3829**	**0.0337**		**0.5504**	**0.5504**		**0.5504**	**0.5504**	**0**	**6,525.46**	**6,525.46**	**0.1677**	**0.1188**	**6,565.06**

LRVSP Full Build - 2030 no LRVSP - El Dorado-Mountain County County, Annual

LRVSP Full Build - 2030 no LRVSP
El Dorado-Mountain County County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	31.00	Acre	31.00	1,350,360.00	0
City Park	5.00	Acre	5.00	217,800.00	0
Single Family Housing	356.00	Dwelling Unit	115.58	640,800.00	1018

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	70
Climate Zone	1			**Operational Year**	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	133	**CH4 Intensity**	0.018	**N2O Intensity**	0.002

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E and eGrid emission factors adjusted for SB100 and RPS
Land Use - From project description
Vehicle Trips - Trip rates from F&P
Water And Wastewater - Water assumptions from WSP water study (includes 20% reduction in water use per specific plan rates (LRVSP Policy 7.34)).
Energy Mitigation - Min 7% better than the 2016 code (model default) per 2019 standard.

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.018
tblProjectCharacteristics	CO2IntensityFactor	641.35	133
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.002
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	9.91	9.52
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	8.62	9.52

tblVehicleTrips	WD_TR	1.89	0.00
tblWater	IndoorWaterUseRate	23,194,833.12	39,658,215.00
tblWater	OutdoorWaterUseRate	5,957,406.75	5,099,738.00
tblWater	OutdoorWaterUseRate	0.00	11,414,576.00
tblWater	OutdoorWaterUseRate	14,622,829.58	33,407.75

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	26.0579	0.4666	30.2101	0.0501		3.8807	3.8807		3.8807	3.8807	367.7329	158.5403	526.2733	0.3435	0.0289	543.4797
Energy	0.0219	0.1867	0.0794	1.1900e-		0.0151	0.0151		0.0151	0.0151	0	401.1832	401.1832	0.0292	6.75E-03	403.9229
Mobile	0.6913	2.1934	8.1211	0.0308	3.5785	0.0230	3.6015	0.9583	0.0214	0.9796	0	2,805.61	2,805.61	0.0659	0	2,807.25
Waste						0.0000	0.0000		0.0000	0.0000	51.7485	0	51.7485	3.0583	0	128.2047
Water						0.0000	0.0000		0.0000	0.0000	12.5817	16.4398	29.0215	1.2945	0.0308	70.5503
Total	**26.7710**	**2.8467**	**38.4106**	**0.0820**	**3.5785**	**3.9188**	**7.4973**	**0.9583**	**3.9172**	**4.8754**	**432.0632**	**3,381.77**	**3,813.83**	**4.7913**	**0.0664**	**3,953.41**

4.0 Operational Detail - Mobile

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	3,389.12	3,389.12	3389.12	9,708,279	9,708,279
Total	3,389.12	3,389.12	3,389.12	9,708,279	9,708,279

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	10.80	7.30	7.50	42.60	21.00	36.40	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.565604	0.033433	0.225772	0.118876	0.016293	0.004189	0.017799	0.009349	0.001639	0.000932	0.004613	0.000754	0.000746
Other Asphalt Surfaces	0.565604	0.033433	0.225772	0.118876	0.016293	0.004189	0.017799	0.009349	0.001639	0.000932	0.004613	0.000754	0.000746
Single Family Housing	0.565604	0.033433	0.225772	0.118876	0.016293	0.004189	0.017799	0.009349	0.001639	0.000932	0.004613	0.000754	0.000746

5.0 Energy Detail

Historical Energy Use: N
Exceed Title 24

5.2 Energy by Land Use - NaturalGas

	NaturalGa	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family	4.05138e+	0.0219	0.1867	0.0794	1.1900e-		0.0151	0.0151		0.0151	0.0151	0.0000	216.1970	216.1970	4.1400e-	3.9600e-	217.4817
Total		**0.0219**	**0.1867**	**0.0794**	**1.1900e-**		**0.0151**	**0.0151**		**0.0151**	**0.0151**	**0.0000**	**216.1970**	**216.1970**	**4.1400e-**	**3.9600e-**	**217.4817**

5.3 Energy by Land Use - Electricity

	Electricity	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt	0	0.0000	0.0000	0.0000	0.0000
Single Family	3.06635e+	184.9863	0.0250	2.7800e-	186.4411
Total		**184.9863**	**0.0250**	**2.7800e-**	**186.4411**

6.0 Area Detail

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural	1.0494					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer	2.5920					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	22.3376	0.4362	27.5734	0.0500		3.8661	3.8661		3.8661	3.8661	367.7329	154.2218	521.9548	0.3394	0.0289	539.0583
Landscaping	0.0789	0.0304	2.6367	1.4000e-		0.0147	0.0147		0.0147	0.0147	0.0000	4.3185	4.3185	4.1200e-	0.0000	4.4214
Total	**26.0579**	**0.4666**	**30.2101**	**0.0501**		**3.8807**	**3.8807**		**3.8807**	**3.8807**	**367.7329**	**158.5403**	**526.2733**	**0.3435**	**0.0289**	**543.4797**

7.0 Water Detail

	Indoor/Out	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 5.09974	1.0768	1.5000e-	2.0000e-	1.0853
Other Asphalt	0 / 11.4146	2.4102	3.3000e-	4.0000e-	2.4291
Single Family	39.6582 /	25.5346	1.2940	0.0307	67.0359
Total		**29.0215**	**1.2945**	**0.0308**	**70.5503**

8.0 Waste Detail

	Waste	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.43	0.0873	5.1600e-	0.0000	0.2163
Other Asphalt	0	0.0000	0.0000	0.0000	0.0000
Single Family	254.5	51.6612	3.0531	0.0000	127.9884
Total		**51.7485**	**3.0583**	**0.0000**	**128.2047**

LRVSP Full Build - 2030 with LRVSP - El Dorado-Mountain County County, Annual

LRVSP Full Build - 2030 with LRVSP
El Dorado-Mountain County County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	31.00	Acre	31.00	1,350,360.00	0
City Park	5.00	Acre	5.00	217,800.00	0
Single Family Housing	356.00	Dwelling Unit	115.58	640,800.00	1018

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	70
Climate Zone	1			**Operational Year**	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	133	**CH4 Intensity**	0.018	**N2O Intensity**	0.002

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E and eGrid emission factors adjusted for SB100 and RPS
Land Use - From project description
Vehicle Trips - Trip rates from F&P
Area Mitigation - Only natural gas hearth (LRVSP Policy 7.78)
Energy Mitigation - Min 7% better than the 2016 code (model default) per 2019 standard. Energy star appliances (LRVSP Policy 7.15)
Water And Wastewater - Water assumptions from WSP water study (includes 20% reduction in water use per specific plan rates (LRVSP Policy 7.34)).
Water Mitigation - Recycled water per WSA study (LRVSP Policy 7.38); water efficient irrigation systems (LRVSP Policy 7.40); turf reduction (LRVSP

Table Name	Column Name	Default Value	New Value
tblFireplaces	NumberGas	195.80	221.51
tblFireplaces	NumberWood	124.60	134.49
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.018
tblProjectCharacteristics	CO2IntensityFactor	641.35	133
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.002

tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	9.91	9.52
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	8.62	9.52
tblVehicleTrips	WD_TR	1.89	0.00
tblWater	IndoorWaterUseRate	23,194,833.12	31,726,572.00
tblWater	OutdoorWaterUseRate	5,957,406.75	5,099,738.00
tblWater	OutdoorWaterUseRate	0.00	11,414,576.00
tblWater	OutdoorWaterUseRate	14,622,829.58	33,407,735.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.7486	0.2725	2.7397	1.6900e-		0.0342	0.0342		0.0342	0.0342	0.0000	284.7218	284.7218	9.4900e-	5.1400e-	286.4910
Energy	0.0219	0.1867	0.0794	1.1900e-		0.0151	0.0151		0.0151	0.0151	0.0000	397.5728	397.5728	0.0287	6.6900e-	400.2840
Mobile	0.6913	2.1934	8.1211	0.0308	3.5785	0.0230	3.6015	0.9583	0.0214	0.9796	0.0000	2,805.608	2,805.6082	0.0659	0.0000	2,807.254
Waste						0.0000	0.0000		0.0000	0.0000	51.7485	0.0000	51.7485	3.0583	0.0000	128.2047
Water						0.0000	0.0000		0.0000	0.0000	10.0654	17.7603	27.8256	1.0362	0.0247	61.0849
Total	**4.4617**	**2.6526**	**10.9402**	**0.0336**	**3.5785**	**0.0723**	**3.6508**	**0.9583**	**0.0707**	**1.0290**	**61.8139**	**3,505.663**	**3,567.4770**	**4.1985**	**0.0365**	**3,683.319**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	3,389.12	3,389.12	3389.12	9,708,279	9,708,279
Total	3,389.12	3,389.12	3,389.12	9,708,279	9,708,279

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	10.80	7.30	7.50	42.60	21.00	36.40	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.565604	0.033433	0.225772	0.118876	0.016293	0.004189	0.017799	0.009349	0.001639	0.000932	0.004613	0.000754	0.000746
Other Asphalt Surfaces	0.565604	0.033433	0.225772	0.118876	0.016293	0.004189	0.017799	0.009349	0.001639	0.000932	0.004613	0.000754	0.000746

Single Family Housing	0.565604	0.033433	0.225772	0.118876	0.016293	0.004189	0.017799	0.009349	0.001639	0.000932	0.004613	0.000754	0.000746

5.0 Energy Detail

Historical Energy Use: N
Exceed Title 24
Install Energy Efficient Appliances

5.2 Energy by Land Use - NaturalGas

	NaturalGa	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family	4.05138e+	0.0219	0.1867	0.0794	1.1900e-		0.0151	0.0151		0.0151	0.0151	0.0000	216.1970	216.1970	4.1400e-	3.9600e-	217.4817
Total		**0.0219**	**0.1867**	**0.0794**	**1.1900e-**		**0.0151**	**0.0151**		**0.0151**	**0.0151**	**0.0000**	**216.1970**	**216.1970**	**4.1400e-**	**3.9600e-**	**217.4817**

5.3 Energy by Land Use - Electricity

	Electricity	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt	0	0.0000	0.0000	0.0000	0.0000
Single Family	3.00651e+	181.3758	0.0246	2.7300e-	182.8023
Total		**181.3758**	**0.0246**	**2.7300e-**	**182.8023**

6.0 Area Detail

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural	1.0494					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer	2.5920					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0283	0.2421	0.1030	1.5500e-		0.0196	0.0196		0.0196	0.0196	0.0000	280.4033	280.4033	5.3700e-	5.1400e-	282.0696
Landscaping	0.0789	0.0304	2.6367	1.4000e-		0.0147	0.0147		0.0147	0.0147	0.0000	4.3185	4.3185	4.1200e-	0.0000	4.4214
Total	**3.7486**	**0.2725**	**2.7397**	**1.6900e-**		**0.0342**	**0.0342**		**0.0342**	**0.0342**	**0.0000**	**284.7218**	**284.7218**	**9.4900e-**	**5.1400e-**	**286.4910**

7.0 Water Detail

Use Reclaimed Water
Turf Reduction
Use Water Efficient Irrigation System

	Indoor/Out	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 3.58191	0.7563	1.0000e-	1.0000e-	0.7623
Other Asphalt	0 / 8.01728	1.6928	2.3000e-	3.0000e-	1.7061
Single Family	31.7266 /	25.3765	1.0359	0.0246	58.6165
Total		**27.8256**	**1.0362**	**0.0247**	**61.0849**

8.0 Waste Detail

	Waste	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.43	0.0873	5.1600e-	0.0000	0.2163
Other Asphalt	0	0.0000	0.0000	0.0000	0.0000
Single Family	254.5	51.6612	3.0531	0.0000	127.9884
Total		**51.7485**	**3.0583**	**0.0000**	**128.2047**

LRVSP Full Build - 2030 with LRVSP - El Dorado-Mountain County County, Summer

LRVSP Full Build - 2030 with LRVSP
El Dorado-Mountain County County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	31.00	Acre	31.00	1,350,360.00	0
City Park	5.00	Acre	5.00	217,800.00	0
Single Family Housing	356.00	Dwelling Unit	115.58	640,800.00	1018

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	70
Climate Zone	1			**Operational Year**	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	133	**CH4 Intensity**	0.018	**N2O Intensity**	0.002

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E and eGrid emission factors adjusted for SB100 and RPS
Land Use - From project description
Vehicle Trips - Trip rates from F&P
Area Mitigation - Only natural gas hearth (LRVSP Policy 7.78)
Energy Mitigation - Min 7% better than the 2016 code (model default) per 2019 standard. Energy star appliances (LRVSP Policy 7.15)
Water And Wastewater - Water assumptions from WSP water study (includes 20% reduction in water use per specific plan rates (LRVSP Policy 7.34)).
Water Mitigation - Recycled water per WSA study (LRVSP Policy 7.38); water efficient irrigation systems (LRVSP Policy 7.40); turf reduction (LRVSP

Table Name	Column Name	Default Value	New Value
tblFireplaces	NumberGas	195.80	221.51
tblFireplaces	NumberWood	124.60	134.49
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.018
tblProjectCharacteristics	CO2IntensityFactor	641.35	133
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.002

tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	9.91	9.52
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	8.62	9.52
tblVehicleTrips	WD_TR	1.89	0.00
tblWater	IndoorWaterUseRate	23,194,833.12	31,726,572.00
tblWater	OutdoorWaterUseRate	5,957,406.75	5,099,738.00
tblWater	OutdoorWaterUseRate	0.00	11,414,576.00
tblWater	OutdoorWaterUseRate	14,622,829.58	33,407,735.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	21.5201	6.2431	31.8094	0.0393		0.6404	0.6404		0.6404	0.6404	0	7,591.72	7,591.72	0.1949	0.1382	7,637.78
Energy	0.1197	1.0229	0.4353	6.53E-03		0.0827	0.0827		0.0827	0.0827		1,305.84	1,305.84	0.025	0.0239	1,313.60
Mobile	4.698	11.4409	47.6097	0.1805	20.5076	0.1263	20.6339	5.4727	0.1175	5.5902		18,140.20	18,140.20	0.4072		18,150.38
Total	**26.3378**	**18.7069**	**79.8544**	**0.2263**	**20.5076**	**0.8493**	**21.357**	**5.4727**	**0.8405**	**6.3132**	**0**	**27,037.76**	**27,037.76**	**0.6271**	**0.1622**	**27,101.76**

4.0 Operational Detail - Mobile

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	3,389.12	3,389.12	3389.12	9,708,279	9,708,279
Total	3,389.12	3,389.12	3,389.12	9,708,279	9,708,279

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	10.80	7.30	7.50	42.60	21.00	36.40	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.565604	0.033433	0.225772	0.118876	0.016293	0.004189	0.017799	0.009349	0.001639	0.000932	0.004613	0.000754	0.000746
Other Asphalt Surfaces	0.565604	0.033433	0.225772	0.118876	0.016293	0.004189	0.017799	0.009349	0.001639	0.000932	0.004613	0.000754	0.000746

Single Family Housing	0.565604	0.033433	0.225772	0.118876	0.016293	0.004189	0.017799	0.009349	0.001639	0.000932	0.004613	0.000754	0.000746

5.0 Energy Detail

Historical Energy Use: N
Exceed Title 24
Install Energy Efficient Appliances

	NaturalGa	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family	11.0997	0.1197	1.0229	0.4353	6.5300e-		0.0827	0.0827		0.0827	0.0827		1,305.8430	1,305.843	0.0250	0.0239	1,313.6030
Total		**0.1197**	**1.0229**	**0.4353**	**6.5300e-**		**0.0827**	**0.0827**		**0.0827**	**0.0827**		**1,305.8430**	**1,305.843**	**0.0250**	**0.0239**	**1,313.6030**

6.0 Area Detail

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural	5.7499					0	0		0	0			0			0
Consumer	14.2026					0	0		0	0			0			0
Hearth	0.6911	5.9054	2.5129	0.0377		0.4775	0.4775		0.4775	0.4775	0	7,538.82	7,538.82	0.1445	0.1382	7,583.62
Landscaping	0.8765	0.3377	29.2965	1.55E-03		0.1629	0.1629		0.1629	0.1629		52.8925	52.8925	0.0504		54.1527
Total	**21.5201**	**6.2431**	**31.8094**	**0.0392**		**0.6404**	**0.6404**		**0.6404**	**0.6404**	**0**	**7,591.72**	**7,591.72**	**0.1949**	**0.1382**	**7,637.78**

LRVSP Annual Operation - 2031 - El Dorado-Mountain County County, Summer

LRVSP Annual Operation - 2031
El Dorado-Mountain County County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	31.00	Acre	31.00	1,350,360.00	0
City Park	5.00	Acre	5.00	217,800.00	0
Single Family Housing	406.00	Dwelling Unit	131.82	730,800.00	1161

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	70
Climate Zone	1			**Operational Year**	2031
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	641.35	**CH4 Intensity**	0.029	**N2O Intensity**	0.006

1.3 User Entered Comments & Non-Default Data

Land Use - From project description
Vehicle Trips - Trip rates from F&P
Area Coating - all operations in EDCAQMD must apply coatings with VOC contents of 150 g/L or less, effective 1/1/2018
Area Mitigation - Only natural gas hearth (LRVSP Policy 7.78)
Energy Mitigation - Min 7% better than the 2016 code (model default) per 2019 standard. Energy star appliances (LRVSP Policy 7.15).

Table Name	Column Name	Default Value	New Value
tblFireplaces	NumberGas	223.30	252.62
tblFireplaces	NumberWood	142.10	153.38
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	9.91	9.52
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	8.62	9.52
tblVehicleTrips	WD_TR	1.89	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	24.4376	7.1200	36.2765	0.0448		0.7303	0.7303		0.7303	0.7303	0.0000	8,657.967	8,657.9672	0.2223	0.1576	8,710.495
Energy	0.1365	1.1666	0.4964	7.4500e-		0.0943	0.0943		0.0943	0.0943		1,489.247	1,489.2479	0.0285	0.0273	1,498.097
Mobile	5.0801	12.4141	51.5667	0.2015	23.3848	0.1333	23.5181	6.2400	0.1240	6.3640		20,252.08	20,252.083	0.4389		20,263.05
Total	**29.6542**	**20.7006**	**88.3396**	**0.2537**	**23.3848**	**0.9579**	**24.3427**	**6.2400**	**0.9486**	**7.1886**	**0.0000**	**30,399.29**	**30,399.298**	**0.6897**	**0.1849**	**30,471.64**

4.0 Operational Detail - Mobile

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	3,865.12	3,865.12	3865.12	11,071,801	11,071,801
Total	3,865.12	3,865.12	3,865.12	11,071,801	11,071,801

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	10.80	7.30	7.50	42.60	21.00	36.40	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.567444	0.033164	0.226031	0.118096	0.015320	0.004075	0.017934	0.009350	0.001642	0.000921	0.004569	0.000751	0.000701
Other Asphalt Surfaces	0.567444	0.033164	0.226031	0.118096	0.015320	0.004075	0.017934	0.009350	0.001642	0.000921	0.004569	0.000751	0.000701
Single Family Housing	0.567444	0.033164	0.226031	0.118096	0.015320	0.004075	0.017934	0.009350	0.001642	0.000921	0.004569	0.000751	0.000701

5.0 Energy Detail

Historical Energy Use: N
Exceed Title 24
Install Energy Efficient Appliances

	NaturalGa	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family	12.6586	0.1365	1.1666	0.4964	7.4500e-		0.0943	0.0943		0.0943	0.0943		1,489.2479	1,489.247	0.0285	0.0273	1,498.0978
Total		**0.1365**	**1.1666**	**0.4964**	**7.4500e-**		**0.0943**	**0.0943**		**0.0943**	**0.0943**		**1,489.2479**	**1,489.247**	**0.0285**	**0.0273**	**1,498.0978**

6.0 Area Detail

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural	6.5213					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer	16.1286					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.7881	6.7348	2.8659	0.0430		0.5445	0.5445		0.5445	0.5445	0.0000	8,597.647	8,597.6471	0.1648	0.1576	8,648.738
Landscaping	0.9996	0.3852	33.4107	1.7700e-		0.1858	0.1858		0.1858	0.1858		60.3201	60.3201	0.0575		61.7572
Total	**24.4376**	**7.1200**	**36.2765**	**0.0448**		**0.7303**	**0.7303**		**0.7303**	**0.7303**	**0.0000**	**8,657.967**	**8,657.9672**	**0.2223**	**0.1576**	**8,710.495**

LRVSP Annual Operation - 2032 - El Dorado-Mountain County County, Summer

LRVSP Annual Operation - 2032
El Dorado-Mountain County County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	31.00	Acre	31.00	1,350,360.00	0
City Park	5.00	Acre	5.00	217,800.00	0
Single Family Housing	456.00	Dwelling Unit	148.05	820,800.00	1304

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	70
Climate Zone	1			**Operational Year**	2032
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	641.35	**CH4 Intensity**	0.029	**N2O Intensity**	0.006

1.3 User Entered Comments & Non-Default Data

Land Use - From project description
Vehicle Trips - Trip rates from F&P
Area Coating - all operations in EDCAQMD must apply coatings with VOC contents of 150 g/L or less, effective 1/1/2018
Area Mitigation - Only natural gas hearth (LRVSP Policy 7.78)
Energy Mitigation - Min 7% better than the 2016 code (model default) per 2019 standard. Energy star appliances (LRVSP Policy 7.15).

Table Name	Column Name	Default Value	New Value
tblFireplaces	NumberGas	250.80	283.73
tblFireplaces	NumberWood	159.60	172.27
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	9.91	9.52
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	8.62	9.52
tblVehicleTrips	WD_TR	1.89	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	27.3552	7.9968	40.7436	0.0503		0.8202	0.8202		0.8202	0.8202	0.0000	9,724.218	9,724.2183	0.2496	0.1770	9,783.215
Energy	0.1533	1.3102	0.5576	8.3600e-		0.1059	0.1059		0.1059	0.1059		1,672.652	1,672.6528	0.0321	0.0307	1,682.592
Mobile	5.4323	13.3157	55.2482	0.2220	26.2617	0.1389	26.4005	7.0072	0.1291	7.1363		22,319.91	22,319.916	0.4692		22,331.64
Total	**32.9409**	**22.6228**	**96.5494**	**0.2807**	**26.2617**	**1.0650**	**27.3267**	**7.0072**	**1.0553**	**8.0625**	**0.0000**	**33,716.78**	**33,716.787**	**0.7509**	**0.2077**	**33,797.45**

4.0 Operational Detail - Mobile

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	4,341.12	4,341.12	4341.12	12,435,323	12,435,323
Total	4,341.12	4,341.12	4,341.12	12,435,323	12,435,323

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	10.80	7.30	7.50	42.60	21.00	36.40	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.568926	0.032957	0.226285	0.117469	0.014479	0.003987	0.018049	0.009344	0.001646	0.000912	0.004534	0.000749	0.000662
Other Asphalt Surfaces	0.568926	0.032957	0.226285	0.117469	0.014479	0.003987	0.018049	0.009344	0.001646	0.000912	0.004534	0.000749	0.000662
Single Family Housing	0.568926	0.032957	0.226285	0.117469	0.014479	0.003987	0.018049	0.009344	0.001646	0.000912	0.004534	0.000749	0.000662

5.0 Energy Detail

Historical Energy Use: N
Exceed Title 24
Install Energy Efficient Appliances

	NaturalGa	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family	14.2175	0.1533	1.3102	0.5576	8.3600e-		0.1059	0.1059		0.1059	0.1059		1,672.6528	1,672.652	0.0321	0.0307	1,682.5926
Total		**0.1533**	**1.3102**	**0.5576**	**8.3600e-**		**0.1059**	**0.1059**		**0.1059**	**0.1059**		**1,672.6528**	**1,672.652**	**0.0321**	**0.0307**	**1,682.5926**

6.0 Area Detail

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural	7.2928					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer	18.0546					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.8852	7.5642	3.2188	0.0483		0.6116	0.6116		0.6116	0.6116	0.0000	9,656.470	9,656.4706	0.1851	0.1770	9,713.854
Landscaping	1.1226	0.4326	37.5248	1.9900e-		0.2086	0.2086		0.2086	0.2086		67.7477	67.7477	0.0646		69.3617
Total	**27.3552**	**7.9968**	**40.7436**	**0.0503**		**0.8202**	**0.8202**		**0.8202**	**0.8202**	**0.0000**	**9,724.218**	**9,724.2183**	**0.2496**	**0.1770**	**9,783.215**

LRVSP Annual Operation - 2033 - El Dorado-Mountain County County, Summer

LRVSP Annual Operation - 2033
El Dorado-Mountain County County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	31.00	Acre	31.00	1,350,360.00	0
City Park	5.00	Acre	5.00	217,800.00	0
Single Family Housing	506.00	Dwelling Unit	164.29	910,800.00	1447

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	70
Climate Zone	1			**Operational Year**	2033
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	641.35	**CH4 Intensity**	0.029	**N2O Intensity**	0.006

1.3 User Entered Comments & Non-Default Data

Land Use - From project description
Vehicle Trips - Trip rates from F&P
Area Coating - all operations in EDCAQMD must apply coatings with VOC contents of 150 g/L or less, effective 1/1/2018
Area Mitigation - Only natural gas hearth (LRVSP Policy 7.78)
Energy Mitigation - Min 7% better than the 2016 code (model default) per 2019 standard. Energy star appliances (LRVSP Policy 7.15).

Table Name	Column Name	Default Value	New Value
tblFireplaces	NumberGas	278.30	314.84
tblFireplaces	NumberWood	177.10	191.16
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	9.91	9.52
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	8.62	9.52
tblVehicleTrips	WD_TR	1.89	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	30.2728	8.8737	45.2107	0.0558		0.9102	0.9102		0.9102	0.9102	0.0000	10,790.46	10,790.469	0.2770	0.1965	10,855.93
Energy	0.1701	1.4539	0.6187	9.2800e-		0.1176	0.1176		0.1176	0.1176		1,856.057	1,856.0577	0.0356	0.0340	1,867.087
Mobile	5.7553	14.1490	58.7666	0.2423	29.1386	0.1434	29.2819	7.7745	0.1332	7.9077		24,357.45	24,357.451	0.4987		24,369.91
Total	**36.1982**	**24.4765**	**104.5960**	**0.3073**	**29.1386**	**1.1711**	**30.3096**	**7.7745**	**1.1609**	**8.9354**	**0.0000**	**37,003.97**	**37,003.978**	**0.8112**	**0.2305**	**37,092.94**

4.0 Operational Detail - Mobile

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	4,817.12	4,817.12	4817.12	13,798,845	13,798,845
Total	4,817.12	4,817.12	4,817.12	13,798,845	13,798,845

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	10.80	7.30	7.50	42.60	21.00	36.40	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.570099	0.032790	0.226523	0.116980	0.013774	0.003915	0.018157	0.009326	0.001650	0.000905	0.004507	0.000746	0.000629
Other Asphalt Surfaces	0.570099	0.032790	0.226523	0.116980	0.013774	0.003915	0.018157	0.009326	0.001650	0.000905	0.004507	0.000746	0.000629
Single Family Housing	0.570099	0.032790	0.226523	0.116980	0.013774	0.003915	0.018157	0.009326	0.001650	0.000905	0.004507	0.000746	0.000629

5.0 Energy Detail

Historical Energy Use: N
Exceed Title 24
Install Energy Efficient Appliances

	NaturalGa	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family	15.7765	0.1701	1.4539	0.6187	9.2800e-		0.1176	0.1176		0.1176	0.1176		1,856.0577	1,856.057	0.0356	0.0340	1,867.0874
Total		**0.1701**	**1.4539**	**0.6187**	**9.2800e-**		**0.1176**	**0.1176**		**0.1176**	**0.1176**		**1,856.0577**	**1,856.057**	**0.0356**	**0.0340**	**1,867.0874**

6.0 Area Detail

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural	8.0642					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer	19.9806					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.9822	8.3937	3.5718	0.0536		0.6786	0.6786		0.6786	0.6786	0.0000	10,715.29	10,715.294	0.2054	0.1965	10,778.96
Landscaping	1.2457	0.4800	41.6390	2.2000e-		0.2315	0.2315		0.2315	0.2315		75.1753	75.1753	0.0716		76.9662
Total	**30.2728**	**8.8737**	**45.2107**	**0.0558**		**0.9102**	**0.9102**		**0.9102**	**0.9102**	**0.0000**	**10,790.46**	**10,790.469**	**0.2770**	**0.1965**	**10,855.93**

LRVSP Annual Operation - 2034 - El Dorado-Mountain County County, Summer

LRVSP Annual Operation - 2034
El Dorado-Mountain County County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	31.00	Acre	31.00	1,350,360.00	0
City Park	5.00	Acre	5.00	217,800.00	0
Single Family Housing	555.00	Dwelling Unit	180.19	999,000.00	1587

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	70
Climate Zone	1			**Operational Year**	2034
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	641.35	**CH4 Intensity**	0.029	**N2O Intensity**	0.006

1.3 User Entered Comments & Non-Default Data

Land Use - From project description
Vehicle Trips - Trip rates from F&P
Area Coating - all operations in EDCAQMD must apply coatings with VOC contents of 150 g/L or less, effective 1/1/2018
Area Mitigation - Only natural gas hearth (LRVSP Policy 7.78)
Energy Mitigation - Min 7% better than the 2016 code (model default) per 2019 standard. Energy star appliances (LRVSP Policy 7.15).

Table Name	Column Name	Default Value	New Value
tblFireplaces	NumberGas	305.25	345.33
tblFireplaces	NumberWood	194.25	209.67
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	9.91	9.52
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	8.62	9.52
tblVehicleTrips	WD_TR	1.89	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	33.1320	9.7330	49.5885	0.0612		0.9983	0.9983		0.9983	0.9983	0.0000	11,835.39	11,835.395	0.3038	0.2155	11,907.20
Energy	0.1866	1.5947	0.6786	0.0102		0.1289	0.1289		0.1289	0.1289		2,035.794	2,035.7946	0.0390	0.0373	2,047.892
Mobile	6.0152	14.8950	61.8875	0.2618	31.9574	0.1463	32.1036	8.5261	0.1359	8.6620		26,326.90	26,326.901	0.5241		26,340.00
Total	**39.3338**	**26.2227**	**112.1546**	**0.3331**	**31.9574**	**1.2735**	**33.2308**	**8.5261**	**1.2631**	**9.7892**	**0.0000**	**40,198.09**	**40,198.091**	**0.8669**	**0.2528**	**40,295.09**

4.0 Operational Detail - Mobile

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	5,283.60	5,283.60	5283.60	15,135,097	15,135,097
Total	5,283.60	5,283.60	5,283.60	15,135,097	15,135,097

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	10.80	7.30	7.50	42.60	21.00	36.40	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.571038	0.032651	0.226774	0.116597	0.013140	0.003857	0.018254	0.009314	0.001655	0.000893	0.004485	0.000743	0.000600
Other Asphalt Surfaces	0.571038	0.032651	0.226774	0.116597	0.013140	0.003857	0.018254	0.009314	0.001655	0.000893	0.004485	0.000743	0.000600
Single Family Housing	0.571038	0.032651	0.226774	0.116597	0.013140	0.003857	0.018254	0.009314	0.001655	0.000893	0.004485	0.000743	0.000600

5.0 Energy Detail

Historical Energy Use: N
Exceed Title 24
Install Energy Efficient Appliances

	NaturalGa	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family	17.3043	0.1866	1.5947	0.6786	0.0102		0.1289	0.1289		0.1289	0.1289		2,035.7946	2,035.794	0.0390	0.0373	2,047.8923
Total		**0.1866**	**1.5947**	**0.6786**	**0.0102**		**0.1289**	**0.1289**		**0.1289**	**0.1289**		**2,035.7946**	**2,035.794**	**0.0390**	**0.0373**	**2,047.8923**

6.0 Area Detail

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural	8.8202					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer	21.8681					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.0774	9.2065	3.9177	0.0588		0.7444	0.7444		0.7444	0.7444	0.0000	11,752.94	11,752.941	0.2253	0.2155	11,822.78
Landscaping	1.3663	0.5265	45.6709	2.4200e-		0.2539	0.2539		0.2539	0.2539		82.4544	82.4544	0.0786		84.4187
Total	**33.1320**	**9.7330**	**49.5885**	**0.0612**		**0.9983**	**0.9983**		**0.9983**	**0.9983**	**0.0000**	**11,835.39**	**11,835.395**	**0.3038**	**0.2155**	**11,907.20**

LRVSP Annual Operation - 2035 - El Dorado-Mountain County County, Summer

LRVSP Annual Operation - 2035
El Dorado-Mountain County County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	39.00	Acre	39.00	1,698,840.00	0
City Park	8.00	Acre	8.00	348,480.00	0
Single Family Housing	604.00	Dwelling Unit	196.10	1,087,200.00	1727

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	70
Climate Zone	1			**Operational Year**	2035
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	641.35	**CH4 Intensity**	0.029	**N2O Intensity**	0.006

1.3 User Entered Comments & Non-Default Data

Land Use - From project description
Vehicle Trips - Trip rates from F&P
Area Coating - all operations in EDCAQMD must apply coatings with VOC contents of 150 g/L or less, effective 1/1/2018
Area Mitigation - Only natural gas hearth (LRVSP Policy 7.78)
Energy Mitigation - Min 7% better than the 2016 code (model default) per 2019 standard. Energy star appliances (LRVSP Policy 7.15).

Table Name	Column Name	Default Value	New Value
tblFireplaces	NumberGas	332.20	375.82
tblFireplaces	NumberWood	211.40	228.18
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	8.62	9.52
tblVehicleTrips	WD_TR	1.89	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	36.1860	10.5922	53.9239	0.0666		1.0864	1.0864		1.0864	1.0864	0.0000	12,880.32	12,880.324	0.3306	0.2345	12,958.46
Energy	0.2031	1.7355	0.7385	0.0111		0.1403	0.1403		0.1403	0.1403		2,215.531	2,215.5314	0.0425	0.0406	2,228.697
Mobile	6.4993	16.2732	67.5334	0.2928	36.2009	0.1548	36.3556	9.6578	0.1438	9.8016		29,448.25	29,448.257	0.5715		29,462.54
Total	**42.8884**	**28.6009**	**122.1958**	**0.3704**	**36.2009**	**1.3815**	**37.5824**	**9.6578**	**1.3705**	**11.0283**	**0.0000**	**44,544.11**	**44,544.113**	**0.9445**	**0.2751**	**44,649.70**

4.0 Operational Detail - Mobile

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	5,750.08	5,985.64	5750.08	16,567,745	16,567,745
Total	5,750.08	5,985.64	5,750.08	16,567,745	16,567,745

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	10.80	7.30	7.50	42.60	21.00	36.40	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.571778	0.032543	0.227016	0.116290	0.012601	0.003811	0.018332	0.009298	0.001658	0.000887	0.004468	0.000740	0.000577
Other Asphalt Surfaces	0.571778	0.032543	0.227016	0.116290	0.012601	0.003811	0.018332	0.009298	0.001658	0.000887	0.004468	0.000740	0.000577
Single Family Housing	0.571778	0.032543	0.227016	0.116290	0.012601	0.003811	0.018332	0.009298	0.001658	0.000887	0.004468	0.000740	0.000577

5.0 Energy Detail

Historical Energy Use: N
Exceed Title 24
Install Energy Efficient Appliances

	NaturalGa	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					

City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family	18.832	0.2031	1.7355	0.7385	0.0111		0.1403	0.1403		0.1403	0.1403		2,215.5314	2,215.531	0.0425	0.0406	2,228.6972
Total		**0.2031**	**1.7355**	**0.7385**	**0.0111**		**0.1403**	**0.1403**		**0.1403**	**0.1403**		**2,215.5314**	**2,215.531**	**0.0425**	**0.0406**	**2,228.6972**

6.0 Area Detail

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural	9.6426					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer	23.8858					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.1725	10.0193	4.2635	0.0640		0.8101	0.8101		0.8101	0.8101	0.0000	12,790.58	12,790.588	0.2452	0.2345	12,866.59
Landscaping	1.4851	0.5729	49.6604	2.6300e-		0.2764	0.2764		0.2764	0.2764		89.7359	89.7359	0.0854		91.8719
Total	**36.1860**	**10.5922**	**53.9239**	**0.0666**		**1.0864**	**1.0864**		**1.0864**	**1.0864**	**0.0000**	**12,880.32**	**12,880.324**	**0.3306**	**0.2345**	**12,958.46**

LRVSP Annual Operation - 2036 - El Dorado-Mountain County County, Summer

LRVSP Annual Operation - 2036
El Dorado-Mountain County County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	39.00	Acre	39.00	1,698,840.00	0
City Park	8.00	Acre	8.00	348,480.00	0
Single Family Housing	653.00	Dwelling Unit	212.01	1,175,400.00	1868

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	70
Climate Zone	1			**Operational Year**	2035
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	641.35	**CH4 Intensity**	0.029	**N2O Intensity**	0.006

1.3 User Entered Comments & Non-Default Data

Land Use - From project description
Vehicle Trips - Trip rates from F&P
Area Coating - all operations in EDCAQMD must apply coatings with VOC contents of 150 g/L or less, effective 1/1/2018
Area Mitigation - Only natural gas hearth (LRVSP Policy 7.78)
Energy Mitigation - Min 7% better than the 2016 code (model default) per 2019 standard. Energy star appliances (LRVSP Policy 7.15).

Table Name	Column Name	Default Value	New Value
tblFireplaces	NumberGas	359.15	406.31
tblFireplaces	NumberWood	228.55	246.69
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	9.91	9.52
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	8.62	9.52
tblVehicleTrips	WD_TR	1.89	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	39.0450	11.4515	58.2982	0.0720		1.1746	1.1746		1.1746	1.1746	0.0000	13,925.25	13,925.250	0.3574	0.2535	14,009.73
Energy	0.2196	1.8763	0.7984	0.0120		0.1517	0.1517		0.1517	0.1517		2,395.268	2,395.2682	0.0459	0.0439	2,409.502
Mobile	6.7500	16.9010	70.1388	0.3041	37.5975	0.1607	37.7582	10.0304	0.1493	10.1797		30,584.34	30,584.342	0.5935		30,599.17
Total	**46.0146**	**30.2288**	**129.2354**	**0.3880**	**37.5975**	**1.4870**	**39.0844**	**10.0304**	**1.4756**	**11.5060**	**0.0000**	**46,904.86**	**46,904.860**	**0.9968**	**0.2974**	**47,018.41**

4.0 Operational Detail - Mobile

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	6,216.56	6,216.56	6216.56	17,807,601	17,807,601
Total	6,216.56	6,216.56	6,216.56	17,807,601	17,807,601

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	10.80	7.30	7.50	42.60	21.00	36.40	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.571778	0.032543	0.227016	0.116290	0.012601	0.003811	0.018332	0.009298	0.001658	0.000887	0.004468	0.000740	0.000577
Other Asphalt Surfaces	0.571778	0.032543	0.227016	0.116290	0.012601	0.003811	0.018332	0.009298	0.001658	0.000887	0.004468	0.000740	0.000577
Single Family Housing	0.571778	0.032543	0.227016	0.116290	0.012601	0.003811	0.018332	0.009298	0.001658	0.000887	0.004468	0.000740	0.000577

5.0 Energy Detail

Historical Energy Use: N
Exceed Title 24
Install Energy Efficient Appliances

	NaturalGa	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family	20.3598	0.2196	1.8763	0.7984	0.0120		0.1517	0.1517		0.1517	0.1517		2,395.2682	2,395.268	0.0459	0.0439	2,409.5021
Total		**0.2196**	**1.8763**	**0.7984**	**0.0120**		**0.1517**	**0.1517**		**0.1517**	**0.1517**		**2,395.2682**	**2,395.268**	**0.0459**	**0.0439**	**2,409.5021**

6.0 Area Detail

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural	10.3986					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer	25.7732					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.2676	10.8321	4.6094	0.0691		0.8758	0.8758		0.8758	0.8758	0.0000	13,828.23	13,828.235	0.2650	0.2535	13,910.40
Landscaping	1.6056	0.6194	53.6887	2.8500e-		0.2988	0.2988		0.2988	0.2988		97.0149	97.0149	0.0924		99.3242
Total	**39.0450**	**11.4515**	**58.2982**	**0.0720**		**1.1746**	**1.1746**		**1.1746**	**1.1746**	**0.0000**	**13,925.25**	**13,925.250**	**0.3574**	**0.2535**	**14,009.73**

LRVSP Annual Operation - 2037 - El Dorado-Mountain County County, Summer

LRVSP Annual Operation - 2037
El Dorado-Mountain County County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	39.00	Acre	39.00	1,698,840.00	0
City Park	8.00	Acre	8.00	348,480.00	0
Single Family Housing	702.00	Dwelling Unit	227.92	1,263,600.00	2008

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	70
Climate Zone	1			**Operational Year**	2035
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	641.35	**CH4 Intensity**	0.029	**N2O Intensity**	0.006

1.3 User Entered Comments & Non-Default Data

Land Use - From project description
Vehicle Trips - Trip rates from F&P
Area Coating - all operations in EDCAQMD must apply coatings with VOC contents of 150 g/L or less, effective 1/1/2018
Area Mitigation - Only natural gas hearth (LRVSP Policy 7.78)
Energy Mitigation - Min 7% better than the 2016 code (model default) per 2019 standard. Energy star appliances (LRVSP Policy 7.15).

Table Name	Column Name	Default Value	New Value
tblFireplaces	NumberGas	386.10	436.80
tblFireplaces	NumberWood	245.70	265.20
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	9.91	9.52
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	8.62	9.52
tblVehicleTrips	WD_TR	1.89	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	41.9041	12.3108	62.6724	0.0774		1.2627	1.2627		1.2627	1.2627	0.0000	14,970.17	14,970.176	0.3842	0.2725	15,060.99
Energy	0.2360	2.0171	0.8583	0.0129		0.1631	0.1631		0.1631	0.1631		2,575.005	2,575.0050	0.0494	0.0472	2,590.307
Mobile	7.2566	18.1692	75.4019	0.3269	40.4187	0.1728	40.5915	10.7831	0.1605	10.9436		32,879.33	32,879.338	0.6380		32,895.28
Total	**49.3967**	**32.4972**	**138.9326**	**0.4172**	**40.4187**	**1.5986**	**42.0173**	**10.7831**	**1.5863**	**12.3694**	**0.0000**	**50,424.51**	**50,424.519**	**1.0716**	**0.3198**	**50,546.59**

4.0 Operational Detail - Mobile

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	6,683.04	6,683.04	6683.04	19,143,853	19,143,853
Total	6,683.04	6,683.04	6,683.04	19,143,853	19,143,853

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	10.80	7.30	7.50	42.60	21.00	36.40	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.571778	0.032543	0.227016	0.116290	0.012601	0.003811	0.018332	0.009298	0.001658	0.000887	0.004468	0.000740	0.000577
Other Asphalt Surfaces	0.571778	0.032543	0.227016	0.116290	0.012601	0.003811	0.018332	0.009298	0.001658	0.000887	0.004468	0.000740	0.000577
Single Family Housing	0.571778	0.032543	0.227016	0.116290	0.012601	0.003811	0.018332	0.009298	0.001658	0.000887	0.004468	0.000740	0.000577

5.0 Energy Detail

Historical Energy Use: N
Exceed Title 24
Install Energy Efficient Appliances

	NaturalGa	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family	21.8875	0.2360	2.0171	0.8583	0.0129		0.1631	0.1631		0.1631	0.1631		2,575.0050	2,575.005	0.0494	0.0472	2,590.3070
Total		**0.2360**	**2.0171**	**0.8583**	**0.0129**		**0.1631**	**0.1631**		**0.1631**	**0.1631**		**2,575.0050**	**2,575.005**	**0.0494**	**0.0472**	**2,590.3070**

6.0 Area Detail

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural	11.1546					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer	27.6607					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.3627	11.6449	4.9553	0.0743		0.9415	0.9415		0.9415	0.9415	0.0000	14,865.88	14,865.882	0.2849	0.2725	14,954.22
Landscaping	1.7260	0.6659	57.7171	3.0600e-		0.3212	0.3212		0.3212	0.3212		104.2940	104.2940	0.0993		106.7765
Total	**41.9041**	**12.3108**	**62.6724**	**0.0774**		**1.2627**	**1.2627**		**1.2627**	**1.2627**	**0.0000**	**14,970.17**	**14,970.176**	**0.3842**	**0.2725**	**15,060.99**

LRVSP Annual Operation - 2038 - El Dorado-Mountain County County, Summer

LRVSP Annual Operation - 2038
El Dorado-Mountain County County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	39.00	Acre	39.00	1,698,840.00	0
City Park	8.00	Acre	8.00	348,480.00	0
Single Family Housing	751.00	Dwelling Unit	243.83	1,351,800.00	2148

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	70
Climate Zone	1			**Operational Year**	2035
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	641.35	**CH4 Intensity**	0.029	**N2O Intensity**	0.006

1.3 User Entered Comments & Non-Default Data

Land Use - From project description
Vehicle Trips - Trip rates from F&P
Area Coating - all operations in EDCAQMD must apply coatings with VOC contents of 150 g/L or less, effective 1/1/2018
Area Mitigation - Only natural gas hearth (LRVSP Policy 7.78)
Energy Mitigation - Min 7% better than the 2016 code (model default) per 2019 standard. Energy star appliances (LRVSP Policy 7.15).

Table Name	Column Name	Default Value	New Value
tblFireplaces	NumberGas	413.05	467.29
tblFireplaces	NumberWood	262.85	283.71
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	9.91	9.52
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	8.62	9.52
tblVehicleTrips	WD_TR	1.89	0.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	44.7631	13.1701	67.0466	0.0828		1.3508	1.3508		1.3508	1.3508	0.0000	16,015.10	16,015.102	0.4111	0.2916	16,112.26
Energy	0.2525	2.1579	0.9183	0.0138		0.1745	0.1745		0.1745	0.1745		2,754.741	2,754.7418	0.0528	0.0505	2,771.111
Mobile	7.7631	19.4375	80.6650	0.3497	43.2400	0.1848	43.4248	11.5357	0.1717	11.7074		35,174.33	35,174.335	0.6826		35,191.39
Total	**52.7787**	**34.7655**	**148.6298**	**0.4463**	**43.2400**	**1.7101**	**44.9501**	**11.5357**	**1.6970**	**13.2327**	**0.0000**	**53,944.17**	**53,944.179**	**1.1464**	**0.3421**	**54,074.77**

4.0 Operational Detail - Mobile

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	7,149.52	7,149.52	7149.52	20,480,105	20,480,105
Total	7,149.52	7,149.52	7,149.52	20,480,105	20,480,105

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	10.80	7.30	7.50	42.60	21.00	36.40	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.571778	0.032543	0.227016	0.116290	0.012601	0.003811	0.018332	0.009298	0.001658	0.000887	0.004468	0.000740	0.000577
Other Asphalt Surfaces	0.571778	0.032543	0.227016	0.116290	0.012601	0.003811	0.018332	0.009298	0.001658	0.000887	0.004468	0.000740	0.000577
Single Family Housing	0.571778	0.032543	0.227016	0.116290	0.012601	0.003811	0.018332	0.009298	0.001658	0.000887	0.004468	0.000740	0.000577

5.0 Energy Detail

Historical Energy Use: N
Exceed Title 24
Install Energy Efficient Appliances

	NaturalGa	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family	23.4153	0.2525	2.1579	0.9183	0.0138		0.1745	0.1745		0.1745	0.1745		2,754.7418	2,754.741	0.0528	0.0505	2,771.1119
Total		**0.2525**	**2.1579**	**0.9183**	**0.0138**		**0.1745**	**0.1745**		**0.1745**	**0.1745**		**2,754.7418**	**2,754.741**	**0.0528**	**0.0505**	**2,771.1119**

6.0 Area Detail

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural	11.9107					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer	29.5482					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.4578	12.4578	5.3012	0.0795		1.0072	1.0072		1.0072	1.0072	0.0000	15,903.52	15,903.529	0.3048	0.2916	15,998.03
Landscaping	1.8465	0.7124	61.7454	3.2700e-		0.3436	0.3436		0.3436	0.3436		111.5731	111.5731	0.1062		114.2288
Total	**44.7631**	**13.1701**	**67.0466**	**0.0828**		**1.3508**	**1.3508**		**1.3508**	**1.3508**	**0.0000**	**16,015.10**	**16,015.102**	**0.4111**	**0.2916**	**16,112.26**

LRVSP Annual Operation - 2039 - El Dorado-Mountain County County, Annual

LRVSP Full Build - 2039 without LRVSP
El Dorado-Mountain County County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	39.00	Acre	39.00	1,698,840.00	0
City Park	8.00	Acre	8.00	348,480.00	0
Single Family Housing	800.00	Dwelling Unit	259.74	1,440,000.00	2288

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	70
Climate Zone	1			**Operational Year**	2035
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	53	**CH4 Intensity**	0.007	**N2O Intensity**	0.001

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E and eGrid emission factors adjusted for SB100 and RPS
Land Use - From project description
Trips and VMT - operational modeling only
Vehicle Trips - Trip rates from F&P
Energy Mitigation - Min 7% better than the 2016 code (model default) per 2019 standard.
Water And Wastewater - Water use rates according to WSA

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.007
tblProjectCharacteristics	CO2IntensityFactor	641.35	53
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.001
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	9.91	9.52
tblVehicleTrips	SU_TR	16.74	0.00

tblVehicleTrips	SU_TR	8.62	9.52
tblVehicleTrips	WD_TR	1.89	0.00
tblFireplaces	NumberGas	440.00	497.78
tblFireplaces	NumberWood	280.00	302.22
tblWater	IndoorWaterUseRate	52,123,220.50	56,184,085.00
tblWater	OutdoorWaterUseRate	9,531,850.80	8,159,580.00
tblWater	OutdoorWaterUseRate	0.00	14,360,272.00
tblWater	OutdoorWaterUseRate	32,860,291.18	108,009,061.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	62.3437	1.1323	72.2191	0.1197		9.3156	9.3156		9.3156	9.3156	879.1167	401.7785	1,280.90	0.7727	0.0705	1,321.22
Energy	0.0491	0.4195	0.1785	2.6800e-		0.0339	0.0339		0.0339	0.0339	0.0000	651.4906	651.4906	0.0312	0.0120	655.8560
Mobile	1.2073	3.9482	14.5594	0.0635	8.0374	0.0358	8.0732	2.1516	0.0333	2.1849	0.0000	5,795.348	5,795.3486	0.1180	0.0000	5,798.299
Waste						0.0000	0.0000		0.0000	0.0000	116.2509	0.0000	116.2509	6.8702	0.0000	288.0067
Water						0.0000	0.0000		0.0000	0.0000	17.8246	18.2915	36.1161	1.8332	0.0436	94.9303
Total	**63.6001**	**5.5001**	**86.9569**	**0.1858**	**8.0374**	**9.3854**	**17.4228**	**2.1516**	**9.3828**	**11.5344**	**1,013.192**	**6,866.909**	**7,880.1013**	**9.6253**	**0.1261**	**8,158.310**

4.0 Operational Detail - Mobile

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	7,616.00	7,616.00	7616.00	21,816,356	21,816,356
Total	7,616.00	7,616.00	7,616.00	21,816,356	21,816,356

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	10.80	7.30	7.50	42.60	21.00	36.40	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.571778	0.032543	0.227016	0.116290	0.012601	0.003811	0.018332	0.009298	0.001658	0.000887	0.004468	0.000740	0.000577

Other Asphalt Surfaces	0.571778	0.032543	0.227016	0.116290	0.012601	0.003811	0.018332	0.009298	0.001658	0.000887	0.004468	0.000740	0.000577
Single Family Housing	0.571778	0.032543	0.227016	0.116290	0.012601	0.003811	0.018332	0.009298	0.001658	0.000887	0.004468	0.000740	0.000577

5.0 Energy Detail

Historical Energy Use: N
Exceed Title 24

5.2 Energy by Land Use - NaturalGas

	NaturalGa	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family	9.10422e+	0.0491	0.4195	0.1785	2.6800e-		0.0339	0.0339		0.0339	0.0339	0.0000	485.8359	485.8359	9.3100e-	8.9100e-	488.7229
Total		**0.0491**	**0.4195**	**0.1785**	**2.6800e-**		**0.0339**	**0.0339**		**0.0339**	**0.0339**	**0.0000**	**485.8359**	**485.8359**	**9.3100e-**	**8.9100e-**	**488.7229**

5.3 Energy by Land Use - Electricity

	Electricity	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt	0	0.0000	0.0000	0.0000	0.0000
Single Family	6.89068e+	165.6547	0.0219	3.1300e-	167.1331
Total		**165.6547**	**0.0219**	**3.1300e-**	**167.1331**

6.0 Area Detail

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural	2.3117					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer	5.7370					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	54.1180	1.0641	66.2994	0.1194		9.2827	9.2827		9.2827	9.2827	879.1167	392.0746	1,271.1913	0.7635	0.0705	1,311.283
Landscaping	0.1770	0.0683	5.9196	3.1000e-		0.0329	0.0329		0.0329	0.0329	0.0000	9.7039	9.7039	9.2400e-	0.0000	9.9349
Total	**62.3437**	**1.1323**	**72.2191**	**0.1197**		**9.3156**	**9.3156**		**9.3156**	**9.3156**	**879.1167**	**401.7785**	**1,280.8952**	**0.7727**	**0.0705**	**1,321.218**

7.0 Water Detail

	Indoor/Out	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 8.15958	0.6866	9.0000e-	1.0000e-	0.6927
Other Asphalt	0 / 14.3603	1.2083	1.6000e-	2.0000e-	1.2191

Single Family	56.1841 /	34.2212	1.8329	0.0435	93.0185
Total		**36.1161**	**1.8332**	**0.0436**	**94.9303**

8.0 Waste Detail

	Waste	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.69	0.1401	8.2800e-	0.0000	0.3470
Other Asphalt	0	0.0000	0.0000	0.0000	0.0000
Single Family	572	116.1108	6.8620	0.0000	287.6597
Total		**116.2509**	**6.8702**	**0.0000**	**288.0067**

LRVSP Full Build - 2039 with LRVSP - El Dorado-Mountain County County, Annual

LRVSP Full Build - 2039 with LRVSP
El Dorado-Mountain County County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	39.00	Acre	39.00	1,698,840.00	0
City Park	8.00	Acre	8.00	348,480.00	0
Single Family Housing	800.00	Dwelling Unit	259.74	1,440,000.00	2288

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	70
Climate Zone	1			**Operational Year**	2035
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	53	**CH4 Intensity**	0.007	**N2O Intensity**	0.001

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E and eGrid emission factors adjusted for SB100 and RPS
Land Use - From project description
Vehicle Trips - Trip rates from F&P
Water And Wastewater - Water assumptions from WSP water study (includes 20% reduction in water use per specific plan rates (LRVSP Policy 7.34)).
Area Mitigation - Only natural gas hearth (LRVSP Policy 7.78)
Energy Mitigation - Min 7% better than the 2016 code (model default) per 2019 standard. Energy star appliances (LRVSP Policy 7.15).
Water Mitigation - Recycled water per WSA study (LRVSP Policy 7.38); water efficient irrigation systems (LRVSP Policy 7.40); turf reduction (LRVSP

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.007
tblProjectCharacteristics	CO2IntensityFactor	641.35	53
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.001
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	9.91	9.52

tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	8.62	9.52
tblVehicleTrips	WD_TR	1.89	0.00
tblFireplaces	NumberGas	440.00	497.78
tblFireplaces	NumberWood	280.00	302.22
tblWater	IndoorWaterUseRate	52,123,220.50	44,947,268.00
tblWater	OutdoorWaterUseRate	9,531,850.80	8,159,580.00
tblWater	OutdoorWaterUseRate	0.00	14,360,272.00
tblWater	OutdoorWaterUseRate	32,860,291.18	108,009,061.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	8.2894	0.6124	6.1512	3.7900e-		0.0769	0.0769		0.0769	0.0769	0.0000	639.8237	639.8237	0.0213	0.0116	643.7992
Energy	0.0491	0.4195	0.1785	2.6800e-		0.0339	0.0339		0.0339	0.0339	0.0000	648.2574	648.2574	0.0308	0.0120	652.5940
Mobile	1.2073	3.9482	14.5594	0.0635	8.0374	0.0358	8.0732	2.1516	0.0333	2.1849	0.0000	5,795.348	5,795.3486	0.1180	0.0000	5,798.299
Waste						0.0000	0.0000		0.0000	0.0000	116.2509	0.0000	116.2509	6.8702	0.0000	288.0067
Water						0.0000	0.0000		0.0000	0.0000	14.2597	13.5609	27.8206	1.4664	0.0348	74.8624
Total	**9.5458**	**4.9801**	**20.8890**	**0.0700**	**8.0374**	**0.1467**	**8.1841**	**2.1516**	**0.1441**	**2.2957**	**130.5106**	**7,096.990**	**7,227.5012**	**8.5067**	**0.0584**	**7,457.561**

4.0 Operational Detail - Mobile

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	7,616.00	7,616.00	7616.00	21,816,356	21,816,356
Total	7,616.00	7,616.00	7,616.00	21,816,356	21,816,356

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	10.80	7.30	7.50	42.60	21.00	36.40	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH

City Park	0.571778	0.032543	0.227016	0.116290	0.012601	0.003811	0.018332	0.009298	0.001658	0.000887	0.004468	0.000740	0.000577
Other Asphalt Surfaces	0.571778	0.032543	0.227016	0.116290	0.012601	0.003811	0.018332	0.009298	0.001658	0.000887	0.004468	0.000740	0.000577
Single Family Housing	0.571778	0.032543	0.227016	0.116290	0.012601	0.003811	0.018332	0.009298	0.001658	0.000887	0.004468	0.000740	0.000577

5.0 Energy Detail

Historical Energy Use: N
Exceed Title 24
Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity						0.0000	0.0000		0.0000	0.0000	0.0000	162.4215	162.4215	0.0215	3.0600e-	163.8711
Electricity						0.0000	0.0000		0.0000	0.0000	0.0000	166.8830	166.8830	0.0220	3.1500e-	168.3724
NaturalGas	0.0491	0.4195	0.1785	2.6800e-		0.0339	0.0339		0.0339	0.0339	0.0000	485.8359	485.8359	9.3100e-	8.9100e-	488.7229
NaturalGas	0.0523	0.4467	0.1901	2.8500e-		0.0361	0.0361		0.0361	0.0361	0.0000	517.2661	517.2661	9.9100e-	9.4800e-	520.3399

5.2 Energy by Land Use - NaturalGas

	NaturalGa	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family	9.10422e+	0.0491	0.4195	0.1785	2.6800e-		0.0339	0.0339		0.0339	0.0339	0.0000	485.8359	485.8359	9.3100e-	8.9100e-	488.7229
Total		**0.0491**	**0.4195**	**0.1785**	**2.6800e-**		**0.0339**	**0.0339**		**0.0339**	**0.0339**	**0.0000**	**485.8359**	**485.8359**	**9.3100e-**	**8.9100e-**	**488.7229**

5.3 Energy by Land Use - Electricity

	Electricity	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt	0	0.0000	0.0000	0.0000	0.0000
Single Family	6.75619e+	162.4215	0.0215	3.0600e-	163.8711
Total		**162.4215**	**0.0215**	**3.0600e-**	**163.8711**

6.0 Area Detail

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural	2.3117					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer	5.7370					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Hearth	0.0637	0.5441	0.2315	3.4700e-		0.0440	0.0440		0.0440	0.0440	0.0000	630.1199	630.1199	0.0121	0.0116	633.8643
Landscaping	0.1770	0.0683	5.9196	3.1000e-		0.0329	0.0329		0.0329	0.0329	0.0000	9.7039	9.7039	9.2400e-	0.0000	9.9349
Total	**8.2894**	**0.6124**	**6.1512**	**3.7800e-**		**0.0769**	**0.0769**		**0.0769**	**0.0769**	**0.0000**	**639.8237**	**639.8237**	**0.0213**	**0.0116**	**643.7992**

7.0 Water Detail

Use Reclaimed Water
Turf Reduction
Use Water Efficient Irrigation System

	Indoor/Out	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 5.73106	0.4822	6.0000e-	1.0000e-	0.4865
Other Asphalt	0 / 10.0863	0.8487	1.1000e-	2.0000e-	0.8563
Single Family	44.9473 /	26.4897	1.4662	0.0348	73.5197
Total		**27.8206**	**1.4664**	**0.0348**	**74.8624**

8.0 Waste Detail

	Waste	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.69	0.1401	8.2800e-	0.0000	0.3470
Other Asphalt	0	0.0000	0.0000	0.0000	0.0000
Single Family	572	116.1108	6.8620	0.0000	287.6597
Total		**116.2509**	**6.8702**	**0.0000**	**288.0067**

LRVSP Full Build - 2039 with LRVSP - El Dorado-Mountain County County, Summer

LRVSP Full Build - 2039 with LRVSP
El Dorado-Mountain County County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	39.00	Acre	39.00	1,698,840.00	0
City Park	8.00	Acre	8.00	348,480.00	0
Single Family Housing	800.00	Dwelling Unit	259.74	1,440,000.00	2288

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	70
Climate Zone	1			**Operational Year**	2035
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	53	**CH4 Intensity**	0.007	**N2O Intensity**	0.001

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E and eGrid emission factors adjusted for SB100 and RPS
Land Use - From project description
Vehicle Trips - Trip rates from F&P
Water And Wastewater - Water assumptions from WSP water study (includes 20% reduction in water use per specific plan rates (LRVSP Policy 7.34)).
Area Mitigation - Only natural gas hearth (LRVSP Policy 7.78)
Energy Mitigation - Min 7% better than the 2016 code (model default) per 2019 standard. Energy star appliances (LRVSP Policy 7.15).
Water Mitigation - Recycled water per WSA study (LRVSP Policy 7.38); water efficient irrigation systems (LRVSP Policy 7.40); turf reduction (LRVSP

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.007
tblProjectCharacteristics	CO2IntensityFactor	641.35	53
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.001
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	9.91	9.52

tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	8.62	9.52
tblVehicleTrips	WD_TR	1.89	0.00
tblFireplaces	NumberGas	440.00	497.78
tblFireplaces	NumberWood	280.00	302.22
tblWater	IndoorWaterUseRate	52,123,220.50	44,947,268.00
tblWater	OutdoorWaterUseRate	9,531,850.80	8,159,580.00
tblWater	OutdoorWaterUseRate	0.00	14,360,272.00
tblWater	OutdoorWaterUseRate	32,860,291.18	108,009,061.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	47.6222	14.0294	71.4209	0.0882		1.439	1.4390		1.439	1.4390	0.0000	17,060.02	17,060.028	0.4379	0.3106	17,163.53
Energy	0.2690	2.2987	0.9782	0.0147		0.1859	0.1859		0.1859	0.1859		2,934.478	2,934.4787	0.0562	0.0538	2,951.916
Mobile	8.2696	20.7057	85.9281	0.3725	46.0612	0.1969	46.2581	12.2884	0.1829	12.4713		37,469.33	37,469.331	0.7271		37,487.50
Total	**56.1608**	**37.0338**	**158.3271**	**0.4754**	**46.0612**	**1.8217**	**47.8829**	**12.2884**	**1.8077**	**14.0961**	**0.0000**	**57,463.83**	**57,463.839**	**1.2212**	**0.3644**	**57,602.95**

4.0 Operational Detail - Mobile

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	7,616.00	7,616.00	7616.00	21,816,356	21,816,356
Total	7,616.00	7,616.00	7,616.00	21,816,356	21,816,356

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	10.80	7.30	7.50	42.60	21.00	36.40	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.571778	0.032543	0.227016	0.116290	0.012601	0.003811	0.018332	0.009298	0.001658	0.000887	0.004468	0.000740	0.000577

Other Asphalt Surfaces	0.571778	0.032543	0.227016	0.116290	0.012601	0.003811	0.018332	0.009298	0.001658	0.000887	0.004468	0.000740	0.000577
Single Family Housing	0.571778	0.032543	0.227016	0.116290	0.012601	0.003811	0.018332	0.009298	0.001658	0.000887	0.004468	0.000740	0.000577

5.0 Energy Detail

Historical Energy Use: N
Exceed Title 24
Install Energy Efficient Appliances

	NaturalGa	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family	24.9431	0.2690	2.2987	0.9782	0.0147		0.1859	0.1859		0.1859	0.1859		2,934.4787	2,934.478	0.0562	0.0538	2,951.9168
Total		**0.2690**	**2.2987**	**0.9782**	**0.0147**		**0.1859**	**0.1859**		**0.1859**	**0.1859**		**2,934.4787**	**2,934.478**	**0.0562**	**0.0538**	**2,951.9168**

6.0 Area Detail

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural	12.6667					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer	31.4357					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.5529	13.2706	5.6471	0.0847		1.0729	1.0729		1.0729	1.0729	0.0000	16,941.17	16,941.176	0.3247	0.3106	17,041.84
Landscaping	1.9669	0.7588	65.7738	3.4900e-		0.3660	0.3660		0.3660	0.3660		118.8521	118.8521	0.1132		121.6811
Total	**47.6222**	**14.0294**	**71.4209**	**0.0882**		**1.4390**	**1.4390**		**1.4390**	**1.4390**	**0.0000**	**17,060.02**	**17,060.028**	**0.4379**	**0.3106**	**17,163.53**

LRVSP Full Build - 2045 without LRVSP - El Dorado-Mountain County County, Annual

LRVSP Full Build - 2045 without LRVSP
El Dorado-Mountain County County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	39.00	Acre	39.00	1,698,840.00	0
City Park	8.00	Acre	8.00	348,480.00	0
Single Family Housing	800.00	Dwelling Unit	259.74	1,440,000.00	2288

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	70
Climate Zone	1			**Operational Year**	2045
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	0	**CH4 Intensity**	0	**N2O Intensity**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E and eGrid emission factors adjusted for SB100 and RPS
Land Use - From project description
Vehicle Trips - Trip rates from F&P (account for internalization and mixed use design)
Area Coating - all operations in EDCAQMD must apply coatings with VOC contents of 150 g/L or less, effective 1/1/2018
Water And Wastewater - Water use rates according to WSA
Energy Mitigation - Min 7% better than the 2016 code (model default) per 2019 standard. Energy star appliances (LRVSP Policy 7.15).

Table Name	Column Name	Default Value	New Value
tblFireplaces	NumberGas	440.00	497.78
tblFireplaces	NumberWood	280.00	302.22
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00

tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	641.35	0
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	9.91	9.52
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	8.62	9.52
tblVehicleTrips	WD_TR	1.89	0.00
tblWater	IndoorWaterUseRate	52,123,220.50	56,184,085.00
tblWater	OutdoorWaterUseRate	9,531,850.80	8,159,580.00
tblWater	OutdoorWaterUseRate	0.00	14,360,272.00
tblWater	OutdoorWaterUseRate	32,860,291.18	108,009,061.00

2.0 Emissions Summary

Operational no LRVSP

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	62	1	72	0		9	9		9	9	879	402	1,281	1	0	1,321
Energy	0	0	0	0		0	0		0	0	0	486	486	0	0	489
Mobile	1	3	12	0	8	0	8	2	0	2	0	5,480	5,480	0	0	5,483
Waste						0	0		0	0	116	0	116	7	0	288
Water						0	0		0	0	18	0	18	2	0	76
Total	**63**	**5**	**84**	**0**	**8**	**9**	**17**	**2**	**9**	**12**	**1,013**	**6,368**	**7,381**	**10**	**0**	**7,657**

4.0 Operational Detail - Mobile

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	7,616.00	7,616.00	7616.00	21,816,356	21,816,356
Total	7,616.00	7,616.00	7,616.00	21,816,356	21,816,356

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by

City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	10.80	7.30	7.50	42.60	21.00	36.40	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.574767	0.032115	0.229243	0.114553	0.009169	0.003663	0.019090	0.009340	0.001694	0.000867	0.004357	0.000681	0.000462
Other Asphalt Surfaces	0.574767	0.032115	0.229243	0.114553	0.009169	0.003663	0.019090	0.009340	0.001694	0.000867	0.004357	0.000681	0.000462
Single Family Housing	0.574767	0.032115	0.229243	0.114553	0.009169	0.003663	0.019090	0.009340	0.001694	0.000867	0.004357	0.000681	0.000462

5.0 Energy Detail

Historical Energy Use: N
Exceed Title 24

5.2 Energy by Land Use - NaturalGas

	NaturalGa	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family	9.10422e+	0.0491	0.4195	0.1785	2.6800e-		0.0339	0.0339		0.0339	0.0339	0.0000	485.8359	485.8359	9.3100e-	8.9100e-	488.7229
Total		**0.0491**	**0.4195**	**0.1785**	**2.6800e-**		**0.0339**	**0.0339**		**0.0339**	**0.0339**	**0.0000**	**485.8359**	**485.8359**	**9.3100e-**	**8.9100e-**	**488.7229**

5.3 Energy by Land Use - Electricity

	Electricity	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt	0	0.0000	0.0000	0.0000	0.0000
Single Family	6.89068e+	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural	2.3117					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer	5.7370					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	54.1176	1.0641	66.2990	0.1194		9.2826	9.2826		9.2826	9.2826	879.1115	392.0763	1,271.1878	0.7635	0.0705	1,311.280
Landscaping	0.1769	0.0683	5.9144	3.1000e-		0.0329	0.0329		0.0329	0.0329	0.0000	9.7039	9.7039	9.2400e-	0.0000	9.9348

Total	**62.3432**	**1.1323**	**72.2134**	**0.1197**		**9.3156**	**9.3156**		**9.3156**	**9.3156**	**879.1115**	**401.7802**	**1,280.8917**	**0.7727**	**0.0705**	**1,321.214**

7.0 Water Detail

	Indoor/Out	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 8.15958	0.0000	0.0000	0.0000	0.0000
Other Asphalt	0 / 14.3603	0.0000	0.0000	0.0000	0.0000
Single Family	56.1841 /	17.8246	1.8308	0.0432	76.4756
Total		**17.8246**	**1.8308**	**0.0432**	**76.4756**

8.0 Waste Detail

	Waste	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.69	0.1401	8.2800e-	0.0000	0.3470
Other Asphalt	0	0.0000	0.0000	0.0000	0.0000
Single Family	572	116.1108	6.8620	0.0000	287.6597
Total		**116.2509**	**6.8702**	**0.0000**	**288.0067**

LRVSP Full Build - 2045 with LRVSP - El Dorado-Mountain County County, Annual

LRVSP Full Build - 2045 with LRVSP
El Dorado-Mountain County County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	39.00	Acre	39.00	1,698,840.00	0
City Park	8.00	Acre	8.00	348,480.00	0
Single Family Housing	800.00	Dwelling Unit	259.74	1,440,000.00	2288

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.7	**Precipitation Freq (Days)**	70
Climate Zone	1			**Operational Year**	2050
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity	0	**CH4 Intensity**	0	**N2O Intensity**	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E and eGrid emission factors adjusted for SB100 and RPS
Land Use - From project description
Trips and VMT - operational modeling only
Vehicle Trips - Trip rates from F&P (account for internalization and mixed use design)
Area Coating - all operations in EDCAQMD must apply coatings with VOC contents of 150 g/L or less, effective 1/1/2018
Water And Wastewater - Water assumptions from WSP water study (includes 20% reduction in water use per specific plan rates (LRVSP Policy 7.34)).
Area Mitigation - Only natural gas hearth (LRVSP Policy 7.78)
Energy Mitigation - Min 7% better than the 2016 code (model default) per 2019 standard. Energy star appliances (LRVSP Policy 7.15).
Water Mitigation - Recycled water per WSA study (LRVSP Policy 7.38); water efficient irrigation systems (LRVSP Policy 7.40); turf reduction (LRVSP

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	400.00	0.00
tblFireplaces	NumberGas	440.00	497.78
tblFireplaces	NumberWood	280.00	302.22

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	641.35	0
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	9.91	9.52
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	8.62	9.52
tblVehicleTrips	WD_TR	1.89	0.00
tblWater	IndoorWaterUseRate	52,123,220.50	44,947,268.00
tblWater	OutdoorWaterUseRate	9,531,850.80	8,159,580.00
tblWater	OutdoorWaterUseRate	0.00	14,360,272.00
tblWater	OutdoorWaterUseRate	32,860,291.18	108,009,061.00

2.0 Emissions Summary

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	8	1	6	0		0	0		0	0	0	640	640	0	0	644
Energy	0	0	0	0		0	0		0	0	0	486	486	0	0	489
Mobile	1	3	12	0	8	0	8	2	0	2	0	5480	5480	0	0	5483
Waste						0	0		0	0	116	0	116	7	0	288
Water						0	0		0	0	14	0	14	1	0	61
Total	**9**	**4**	**18**	**0**	**8**	**0**	**8**	**2**	**0**	**2**	**131**	**6606**	**6737**	**8**	**0**	**6965**

4.0 Operational Detail - Mobile

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	7,616.00	7,616.00	7616.00	21,816,356	21,816,356
Total	7,616.00	7,616.00	7,616.00	21,816,356	21,816,356

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	10.80	7.30	7.50	42.60	21.00	36.40	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.574767	0.032115	0.229243	0.114553	0.009169	0.003663	0.019090	0.009340	0.001694	0.000867	0.004357	0.000681	0.000462
Other Asphalt Surfaces	0.574767	0.032115	0.229243	0.114553	0.009169	0.003663	0.019090	0.009340	0.001694	0.000867	0.004357	0.000681	0.000462
Single Family Housing	0.574767	0.032115	0.229243	0.114553	0.009169	0.003663	0.019090	0.009340	0.001694	0.000867	0.004357	0.000681	0.000462

5.0 Energy Detail

Historical Energy Use: N
Exceed Title 24
Install Energy Efficient Appliances

5.2 Energy by Land Use - NaturalGas

	NaturalGa	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family	9.10422e+	0.0491	0.4195	0.1785	2.6800e-		0.0339	0.0339		0.0339	0.0339	0.0000	485.8359	485.8359	9.3100e-	8.9100e-	488.7229
Total		**0.0491**	**0.4195**	**0.1785**	**2.6800e-**		**0.0339**	**0.0339**		**0.0339**	**0.0339**	**0.0000**	**485.8359**	**485.8359**	**9.3100e-**	**8.9100e-**	**488.7229**

5.3 Energy by Land Use - Electricity

	Electricity	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt	0	0.0000	0.0000	0.0000	0.0000
Single Family	6.75619e+	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

	ROG	NOx	CO	SO2	Fugitive	Exhaust	PM10	Fugitive	Exhaust	PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural	2.3117					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer	5.7370					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Hearth	0.0637	0.5441	0.2315	3.4700e-		0.0440	0.0440		0.0440	0.0440	0.0000	630.1199	630.1199	0.0121	0.0116	633.8643
Landscaping	0.1769	0.0683	5.9144	3.1000e-		0.0329	0.0329		0.0329	0.0329	0.0000	9.7039	9.7039	9.2400e-	0.0000	9.9348
Total	**8.2893**	**0.6124**	**6.1460**	**3.7800e-**		**0.0769**	**0.0769**		**0.0769**	**0.0769**	**0.0000**	**639.8237**	**639.8237**	**0.0213**	**0.0116**	**643.7992**

7.0 Water Detail

Use Reclaimed Water
Turf Reduction
Use Water Efficient Irrigation System

	Indoor/Out	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 5.73106	0.0000	0.0000	0.0000	0.0000
Other Asphalt	0 / 10.0863	0.0000	0.0000	0.0000	0.0000
Single Family	44.9473 /	14.2597	1.4646	0.0346	61.1805
Total		**14.2597**	**1.4646**	**0.0346**	**61.1805**

8.0 Waste Detail

	Waste	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.69	0.1401	8.2800e-	0.0000	0.3470
Other Asphalt	0	0.0000	0.0000	0.0000	0.0000
Single Family	572	116.1108	6.8620	0.0000	287.6597
Total		**116.2509**	**6.8702**	**0.0000**	**288.0067**

Policy 7.2: Off-street parking, if any, in the Village Park designation shall include a minimum number of dedicated public parking spaces for Low-Emitting and Fuel-Efficient Vehicles, in accordance with CALGreen Nonresidential Tier 1 Voluntary Measures, as well as shared vehicles

Policy 7.3: Off-street parking, if any, in the Village Park designation shall include dedicated parking for PEVs and the installation of minimum Level 2 PEV charging stations in each dedicated PEV parking space will be encouraged where feasible and subject to the approval of the local agency, in accordance with CALGreen Nonresidential Tier 1 Voluntary Measures. Installation of 220/240 volt garage circuits to support PEVs will be required in all Residential-Low and Residential-Medium designations

Assumptions
1. Measures will provide preferential parking for shared vehicles and will install PEV charing stations to support a local EV network. Based on VMT reductions presented in SMAQMD's Guidance for Land Use Emissions Reductions and CAPCOA's Quatnifying GHG Reduction Measures, conservaively assumed these measrues would achieve at least a 1% VMT reduction.

NEV/EV Parking VMT Reductions

0.50%	Low	SMAQMD/CAPCOA
12.70%	High	SMAQMD/CAPCOA

Parking Policy VMT Reductions

5%	Low	SMAQMD/CAPCOA
12..5%	High	SMAQMD/CAPCOA

	VMT CalEEMod (with LRVSP)			VMT CalEEMod (with 7.2-7.3)			Percent Change		
Land Use	2030	2039	2045	2030	2039	2045	2030	2039	2045
All	9,708,279	21,816,356	21,816,356	9,611,196	21,598,193	21,598,193	-1%	-1%	-1%

	MT from Mobile 2030 (with LRVSP)				MT from Mobile 2039 (with LRVSP)				MT from Mobile 2045 (with LRVSP)			
Land Use	CO2	CH4	N2O	CO2e	CO2	CH4	N2O	CO2e	CO2	CH4	N2O	CO2e
All	2,806	0	0	2,807	5,795	0	0	5,798	5,480	0	0	5,483

	MT from Mobile 2030 (with 7.2-7.3)				MT from Mobile 2039 (with 7.2-7.3)				MT from Mobile 2045 (with 7.2-7.3)			
Land Use	CO2	CH4	N2O	CO2e	CO2	CH4	N2O	CO2e	CO2	CH4	N2O	CO2e
All	2,778	0	0	2,779	5,737	0	0	5,740	5,426	0	0	5,428

Total Reductions	-28	-58	-55
Percent	-1%	-1%	-1%

Assumed % reduction credit 1%

Policy 7.22: Residential and public buildings shall be designed to allow for the installation of alternative energy technologies including active solar, wind, or other emerging technologies, and shall comply with the following standards. All Residential-Low and Residential-Medium developments will be required to install rooftop solar power

Assumptions
1. Used default PVWatts inputs to calculate annual energy savings for project area.
2. Subtracted energy savings from kWh from CalEEMod (if > CalEEMod, assumed a full offset)

PVWatts: Monthly PV Performance Data

Requested Location:	Deer Creek Rd, Cameron Park, CA 95682
Location:	Lat, Lon: 38.61, -120.98
Lat (deg N):	38.61
Long (deg W):	120.98
Elev (m):	307
DC System Size (kW):	4
Module Type:	Standard
Array Type:	Fixed (open rack)
Array Tilt (deg):	20
Array Azimuth (deg):	180
System Losses:	14.08
Invert Efficiency:	96
DC to AC Size Ratio:	1.2
Average Cost of Electricity ($/kWh):	0.156
Capacity Factor (%)	17.8

Month	AC System Output(kWh)
1	289
2	339
3	512
4	595
5	671
6	700
7	714
8	691
9	596
10	489
11	351
12	298
Total	6,245

	Number			kWh Renewable (PVWatts)		
Designtation with solar	2030	2039	2045	2030	2039	2045
Village Residential	356	800	800	2,223,054	4,995,626	4,995,626

	kWh CalEEMod (with LRVSP)			kWh with LRVSP + Solar			Percent Change		
Designtation with solar	2030	2039	2045	2030	2039	2045	2030	2039	2045
Village Residential	3,006,510	6,756,190	6,756,190	783,456	1,760,564	1,760,564	-74%	-74%	-74%

	MT from Electricity 2030 (with LRVSP)				MT from Electricity 2039 (with LRVSP)				MT from Electricity 2045 (with LRVSP)			
Land Use	CO2	CH4	N2O	CO2e	CO2	CH4	N2O	CO2e	CO2	CH4	N2O	CO2e
Village Residential	181	0	0	183	162	0	0	164	0	0	0	0
Total	181	0	0	183	162	0	0	164	0	0	0	0

	MT from Electricity 2030 (with 9.22)				MT from Electricity 2039 (with 9.22)				MT from Electricity 2045 (with 9.22)			
Land Use	CO2	CH4	N2O	CO2e	CO2	CH4	N2O	CO2e	CO2	CH4	N2O	CO2e
Village Residential	47	0	0	48	42	0	0	43	0	0	0	0
Total	47	0	0	48	42	0	0	43	0	0	0	0

Total Reductions	-135	-121	0
Percent	-74%	-74%	0%

CalRoads (CO Hotspot)

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Lime Rock
RUN: CALINE4 RUN (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 0. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 15. DEGREES TEMP= 3.9 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. EBA	*	-1000	-2	0	-2	* AG	1440	1.3	0.0	27.9
B. EBD	*	0	-2	1000	-2	* AG	390	1.3	0.0	17.0
C. WBA	*	1000	0	0	0	* AG	0	1.3	0.0	27.9
D. WBD	*	0	0	-1000	0	* AG	0	1.3	0.0	17.0
E. SBA	*	-2	1000	-2	0	* AG	670	1.3	0.0	24.3
F. SBD	*	-2	0	-2	-1000	* AG	1170	1.3	0.0	13.3
G. NBA	*	2	-1000	2	0	* AG	850	1.3	0.0	24.3
H. NBD	*	2	0	2	1000	* AG	1400	1.3	0.0	13.3

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. R_001	-7	5	1.8
2. R_002	-7	-7	1.8
3. R_003	7	-7	1.8
4. R_004	7	5	1.8

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: Lime Rock
RUN: CALINE4 RUN (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. R_001	176.	0.4	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.0
2. R_002	6.	0.4	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.2
3. R_003	356.	0.4	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.3
4. R_004	356.	0.4	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.3

1
EXIT

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION

JOB: Lime Rock
RUN: CALINE4 RUN (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 0. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 15. DEGREES TEMP= 3.9 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. EBA	*	-1000	-2	0	-2	* AG	1570	1.3	0.0	27.9
B. EBD	*	0	-2	1000	-2	* AG	450	1.3	0.0	17.0
C. WBA	*	1000	0	0	0	* AG	0	1.3	0.0	27.9
D. WBD	*	0	0	-1000	0	* AG	0	1.3	0.0	17.0
E. SBA	*	-2	1000	-2	0	* AG	850	1.3	0.0	24.3
F. SBD	*	-2	0	-2	-1000	* AG	1430	1.3	0.0	13.3
G. NBA	*	2	-1000	2	0	* AG	950	1.3	0.0	24.3
H. NBD	*	2	0	2	1000	* AG	1490	1.3	0.0	13.3

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. R_001	-7	5	1.8
2. R_002	-7	-7	1.8
3. R_003	7	-7	1.8
4. R_004	7	5	1.8

1

JOB: Lime Rock
RUN: CALINE4 RUN (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. R_001	176.	0.5	0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.0
2. R_002	176.	0.5	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.0
3. R_003	356.	0.4	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.3
4. R_004	356.	0.5	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.3

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EXIT

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION

JOB: Lime Rock
RUN: CALINE4 RUN (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 0. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 15. DEGREES TEMP= 3.9 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. EBA	*	-1000	-2	0	-2	* AG	618	7.1	0.0	27.9
B. EBD	*	0	-2	1000	-2	* AG	104	7.1	0.0	17.0
C. WBA	*	1000	0	0	0	* AG	0	7.1	0.0	27.9
D. WBD	*	0	0	-1000	0	* AG	0	7.1	0.0	17.0
E. SBA	*	-2	1000	-2	0	* AG	107	7.1	0.0	24.3
F. SBD	*	-2	0	-2	-1000	* AG	26	7.1	0.0	13.3
G. NBA	*	2	-1000	2	0	* AG	15	7.1	0.0	24.3
H. NBD	*	2	0	2	1000	* AG	610	7.1	0.0	13.3

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. R_001	-7	5	1.8
2. R_002	-7	-7	1.8
3. R_003	7	-7	1.8
4. R_004	7	5	1.8

1

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: Lime Rock
RUN: CALINE4 RUN (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. R_001	8.	0.7	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.6
2. R_002	6.	0.8	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.5
3. R_003	356.	0.8	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.7
4. R_004	356.	0.9	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.8

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EXIT

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION

JOB: Lime Rock
RUN: CALINE4 RUN (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 0. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 15. DEGREES TEMP= 3.9 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. EBA	*	-1000	-2	0	-2	* AG	966	7.1	0.0	27.9
B. EBD	*	0	-2	1000	-2	* AG	169	7.1	0.0	17.0
C. WBA	*	1000	0	0	0	* AG	0	7.1	0.0	27.9
D. WBD	*	0	0	-1000	0	* AG	0	7.1	0.0	17.0
E. SBA	*	-2	1000	-2	0	* AG	262	7.1	0.0	24.3
F. SBD	*	-2	0	-2	-1000	* AG	529	7.1	0.0	13.3
G. NBA	*	2	-1000	2	0	* AG	310	7.1	0.0	24.3
H. NBD	*	2	0	2	1000	* AG	840	7.1	0.0	13.3

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. R_001	-7	5	1.8
2. R_002	-7	-7	1.8
3. R_003	7	-7	1.8
4. R_004	7	5	1.8

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: Lime Rock
RUN: CALINE4 RUN (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. R_001	176.	1.2	0.2	0.0	0.0	0.0	0.0	0.6	0.3	0.0
2. R_002	6.	1.3	0.2	0.0	0.0	0.0	0.3	0.1	0.0	0.7
3. R_003	356.	1.2	0.0	0.1	0.0	0.0	0.3	0.0	0.0	0.9
4. R_004	267.	1.3	0.8	0.0	0.0	0.0	0.1	0.0	0.0	0.3

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EXIT

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION

JOB: Lime Rock
RUN: CALINE4 RUN (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 0. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 15. DEGREES TEMP= 3.9 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. EBA	*	-1000	-4	0	-4	* AG	350	1.3	0.0	27.9
B. EBD	*	0	-2	1000	-2	* AG	520	1.3	0.0	17.0
C. WBA	*	1000	4	0	4	* AG	1330	1.3	0.0	27.9
D. WBD	*	0	2	-1000	2	* AG	450	1.3	0.0	17.0
E. SBA	*	-4	1000	-4	0	* AG	1130	1.3	0.0	24.3
F. SBD	*	-2	0	-2	-1000	* AG	1510	1.3	0.0	13.3
G. NBA	*	4	-1000	4	0	* AG	950	1.3	0.0	24.3
H. NBD	*	2	0	2	1000	* AG	1280	1.3	0.0	13.3

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. R_001	-7	5	1.8
2. R_002	-7	-7	1.8
3. R_003	7	-7	1.8
4. R_004	7	5	1.8

1

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: Lime Rock
RUN: CALINE4 RUN (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. R_001	176.	0.5	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.0
2. R_002	5.	0.5	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.2
3. R_003	355.	0.5	0.0	0.0	0.1	0.0	0.2	0.0	0.0	0.2
4. R_004	185.	0.5	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0

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EXIT

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION

JOB: Lime Rock
RUN: CALINE4 RUN (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 0. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 15. DEGREES TEMP= 3.9 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. EBA	*	-1000	-4	0	-4	* AG	380	1.3	0.0	27.9
B. EBD	*	0	-2	1000	-2	* AG	600	1.3	0.0	17.0
C. WBA	*	1000	4	0	4	* AG	1430	1.3	0.0	27.9
D. WBD	*	0	2	-1000	2	* AG	480	1.3	0.0	17.0
E. SBA	*	-4	1000	-4	0	* AG	1160	1.3	0.0	24.3
F. SBD	*	-2	0	-2	-1000	* AG	1550	1.3	0.0	13.3
G. NBA	*	4	-1000	4	0	* AG	980	1.3	0.0	24.3
H. NBD	*	2	0	2	1000	* AG	1320	1.3	0.0	13.3

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. R_001	-7	5	1.8
2. R_002	-7	-7	1.8
3. R_003	7	-7	1.8
4. R_004	7	5	1.8

1

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: Lime Rock
RUN: CALINE4 RUN (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. R_001	176.	0.5	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.0
2. R_002	86.	0.5	0.0	0.1	0.2	0.0	0.0	0.1	0.1	0.0
3. R_003	355.	0.5	0.0	0.0	0.1	0.0	0.2	0.0	0.0	0.2
4. R_004	185.	0.5	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0

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EXIT

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION

JOB: Lime Rock
RUN: CALINE4 RUN (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 0. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 15. DEGREES TEMP= 3.9 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. EBA	*	-1000	-4	0	-4	* AG	311	7.1	0.0	27.9
B. EBD	*	0	-2	1000	-2	* AG	238	7.1	0.0	17.0
C. WBA	*	1000	4	0	4	* AG	448	7.1	0.0	27.9
D. WBD	*	0	2	-1000	2	* AG	420	7.1	0.0	17.0
E. SBA	*	-4	1000	-4	0	* AG	361	7.1	0.0	24.3
F. SBD	*	-2	0	-2	-1000	* AG	378	7.1	0.0	13.3
G. NBA	*	4	-1000	4	0	* AG	548	7.1	0.0	24.3
H. NBD	*	2	0	2	1000	* AG	632	7.1	0.0	13.3

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. R_001	-7	5	1.8
2. R_002	-7	-7	1.8
3. R_003	7	-7	1.8
4. R_004	7	5	1.8

1

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: Lime Rock
RUN: CALINE4 RUN (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. R_001	176.	1.2	0.1	0.0	0.0	0.1	0.0	0.5	0.5	0.0
2. R_002	5.	1.3	0.1	0.0	0.0	0.2	0.4	0.1	0.0	0.5
3. R_003	356.	1.3	0.0	0.1	0.1	0.0	0.3	0.0	0.0	0.7
4. R_004	268.	1.2	0.3	0.0	0.0	0.5	0.1	0.0	0.0	0.3

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EXIT

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION

JOB: Lime Rock
RUN: CALINE4 RUN (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 0. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 15. DEGREES TEMP= 3.9 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. EBA	*	-1000	-4	0	-4	* AG	311	7.1	0.0	27.9
B. EBD	*	0	-2	1000	-2	* AG	240	7.1	0.0	17.0
C. WBA	*	1000	4	0	4	* AG	448	7.1	0.0	27.9
D. WBD	*	0	2	-1000	2	* AG	420	7.1	0.0	17.0
E. SBA	*	-4	1000	-4	0	* AG	361	7.1	0.0	24.3
F. SBD	*	-2	0	-2	-1000	* AG	378	7.1	0.0	13.3
G. NBA	*	4	-1000	4	0	* AG	550	7.1	0.0	24.3
H. NBD	*	2	0	2	1000	* AG	632	7.1	0.0	13.3

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. R_001	-7	5	1.8
2. R_002	-7	-7	1.8
3. R_003	7	-7	1.8
4. R_004	7	5	1.8

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: Lime Rock
RUN: CALINE4 RUN (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. R_001	176.	1.2	0.1	0.0	0.0	0.1	0.0	0.5	0.5	0.0
2. R_002	5.	1.3	0.1	0.0	0.0	0.2	0.4	0.1	0.0	0.5
3. R_003	356.	1.3	0.0	0.1	0.1	0.0	0.3	0.0	0.0	0.7
4. R_004	268.	1.2	0.3	0.0	0.0	0.5	0.1	0.0	0.0	0.3

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EXIT

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION

JOB: Lime Rock
RUN: CALINE4 RUN (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 0. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 15. DEGREES TEMP= 3.9 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. EBA	*	-1000	-5	0	-5	* AG	860	1.3	0.0	27.9
B. EBD	*	0	-4	1000	-4	* AG	370	1.3	0.0	17.0
C. WBA	*	1000	5	0	5	* AG	250	1.3	0.0	27.9
D. WBD	*	0	4	-1000	4	* AG	1450	1.3	0.0	17.0
E. SBA	*	-9	1000	-9	0	* AG	1430	1.3	0.0	24.3
F. SBD	*	-5	0	-6	-1000	* AG	1780	1.3	0.0	13.3
G. NBA	*	9	-1000	9	0	* AG	2820	1.3	0.0	24.3
H. NBD	*	5	0	5	1000	* AG	1760	1.3	0.0	13.3

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. R_001	-10	7	1.8
2. R_002	-7	-10	1.8
3. R_003	10	-7	1.8
4. R_004	7	10	1.8

1

JOB: Lime Rock
RUN: CALINE4 RUN (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. R_001	172.	0.7	0.1	0.0	0.0	0.1	0.0	0.3	0.2	0.0
2. R_002	174.	0.7	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.0
3. R_003	183.	0.6	0.0	0.0	0.0	0.0	0.0	0.1	0.5	0.0
4. R_004	182.	0.7	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.1

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EXIT

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: Lime Rock
RUN: CALINE4 RUN (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 0. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 15. DEGREES TEMP= 3.9 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. EBA	*	-1000	-5	0	-5	* AG	870	1.3	0.0	27.9
B. EBD	*	0	-4	1000	-4	* AG	370	1.3	0.0	17.0
C. WBA	*	1000	5	0	5	* AG	250	1.3	0.0	27.9
D. WBD	*	0	4	-1000	4	* AG	1460	1.3	0.0	17.0
E. SBA	*	-9	1000	-9	0	* AG	1450	1.3	0.0	24.3
F. SBD	*	-5	0	-6	-1000	* AG	1800	1.3	0.0	13.3
G. NBA	*	9	-1000	9	0	* AG	2860	1.3	0.0	24.3
H. NBD	*	5	0	5	1000	* AG	1800	1.3	0.0	13.3

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. R_001	-10	7	1.8
2. R_002	-7	-10	1.8
3. R_003	10	-7	1.8
4. R_004	7	10	1.8

1

JOB: Lime Rock
RUN: CALINE4 RUN (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. R_001	172.	0.7	0.1	0.0	0.0	0.1	0.0	0.3	0.2	0.0
2. R_002	174.	0.7	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.0
3. R_003	183.	0.6	0.0	0.0	0.0	0.0	0.0	0.1	0.5	0.0
4. R_004	182.	0.7	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.1

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EXIT

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION

JOB: Lime Rock
RUN: CALINE4 RUN (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 0. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 15. DEGREES TEMP= 3.9 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. EBA	*	-1000	-5	0	-5	* AG	0	7.1	0.0	27.9
B. EBD	*	0	-4	1000	-4	* AG	0	7.1	0.0	17.0
C. WBA	*	1000	5	0	5	* AG	564	7.1	0.0	27.9
D. WBD	*	0	4	-1000	4	* AG	1509	7.1	0.0	17.0
E. SBA	*	-9	1000	-9	0	* AG	1146	7.1	0.0	24.3
F. SBD	*	-5	0	-6	-1000	* AG	956	7.1	0.0	13.3
G. NBA	*	9	-1000	9	0	* AG	2790	7.1	0.0	24.3
H. NBD	*	5	0	5	1000	* AG	2035	7.1	0.0	13.3

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. R_001	-10	7	1.8
2. R_002	-7	-10	1.8
3. R_003	10	-7	1.8
4. R_004	7	10	1.8

1

JOB: Lime Rock
RUN: CALINE4 RUN (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. R_001	172.	2.8	0.0	0.0	0.0	0.5	0.1	1.0	1.3	0.0
2. R_002	4.	2.8	0.0	0.0	0.0	0.5	0.9	0.3	0.0	1.1
3. R_003	355.	2.9	0.0	0.0	0.2	0.0	0.6	0.0	0.2	1.9
4. R_004	181.	3.4	0.0	0.0	0.1	0.0	0.0	0.5	2.2	0.6

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EXIT

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION

JOB: Lime Rock
RUN: CALINE4 RUN (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 0. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 15. DEGREES TEMP= 3.9 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. EBA	*	-1000	-5	0	-5	* AG	0	7.1	0.0	27.9
B. EBD	*	0	-4	1000	-4	* AG	0	7.1	0.0	17.0
C. WBA	*	1000	5	0	5	* AG	627	7.1	0.0	27.9
D. WBD	*	0	4	-1000	4	* AG	1509	7.1	0.0	17.0
E. SBA	*	-9	1000	-9	0	* AG	1169	7.1	0.0	24.3
F. SBD	*	-5	0	-6	-1000	* AG	1016	7.1	0.0	13.3
G. NBA	*	9	-1000	9	0	* AG	2790	7.1	0.0	24.3
H. NBD	*	5	0	5	1000	* AG	2061	7.1	0.0	13.3

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. R_001	-10	7	1.8
2. R_002	-7	-10	1.8
3. R_003	10	-7	1.8
4. R_004	7	10	1.8

1

JOB: Lime Rock
RUN: CALINE4 RUN (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. R_001	172.	2.9	0.0	0.0	0.0	0.5	0.1	1.0	1.3	0.0
2. R_002	4.	2.8	0.0	0.0	0.0	0.5	0.9	0.3	0.0	1.1
3. R_003	355.	3.0	0.0	0.0	0.2	0.0	0.6	0.0	0.2	2.0
4. R_004	181.	3.5	0.0	0.0	0.1	0.0	0.0	0.5	2.2	0.6

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EXIT

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION

JOB: Lime Rock
RUN: CALINE4 RUN (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 0. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 15. DEGREES TEMP= 3.9 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. EBA	*	-1000	-4	0	-4	* AG	760	1.3	0.0	27.9
B. EBD	*	0	-2	1000	-2	* AG	750	1.3	0.0	17.0
C. WBA	*	1000	2	0	2	* AG	530	1.3	0.0	27.9
D. WBD	*	0	0	-1000	0	* AG	0	1.3	0.0	17.0
E. SBA	*	-9	1000	-9	0	* AG	1780	1.3	0.0	24.3
F. SBD	*	-7	0	-7	-1000	* AG	2300	1.3	0.0	13.3
G. NBA	*	7	-1000	7	0	* AG	2800	1.3	0.0	24.3
H. NBD	*	7	0	7	1000	* AG	2820	1.3	0.0	13.3

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. R_001	-21	5	1.8
2. R_002	-18	-10	1.8
3. R_003	18	-7	1.8
4. R_004	18	7	1.8

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JOB: Lime Rock
RUN: CALINE4 RUN (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. R_001	169.	0.5	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0
2. R_002	169.	0.5	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.0
3. R_003	349.	0.6	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.3
4. R_004	188.	0.6	0.0	0.1	0.0	0.0	0.0	0.1	0.4	0.0

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EXIT

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION

JOB: Lime Rock
RUN: CALINE4 RUN (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 0. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 15. DEGREES TEMP= 3.9 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. EBA	*	-1000	-4	0	-4	* AG	770	1.3	0.0	27.9
B. EBD	*	0	-2	1000	-2	* AG	800	1.3	0.0	17.0
C. WBA	*	1000	2	0	2	* AG	530	1.3	0.0	27.9
D. WBD	*	0	0	-1000	0	* AG	0	1.3	0.0	17.0
E. SBA	*	-9	1000	-9	0	* AG	1800	1.3	0.0	24.3
F. SBD	*	-7	0	-7	-1000	* AG	2310	1.3	0.0	13.3
G. NBA	*	7	-1000	7	0	* AG	2870	1.3	0.0	24.3
H. NBD	*	7	0	7	1000	* AG	2860	1.3	0.0	13.3

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z

1. R_001	-21	5	1.8
2. R_002	-18	-10	1.8
3. R_003	18	-7	1.8
4. R_004	18	7	1.8

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: Lime Rock
RUN: CALINE4 RUN (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. R_001	169.	0.5	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0
2. R_002	169.	0.5	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.0
3. R_003	349.	0.6	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.3
4. R_004	188.	0.6	0.0	0.1	0.0	0.0	0.0	0.1	0.4	0.0

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EXIT

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION

JOB: Lime Rock
RUN: CALINE4 RUN (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 0. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 15. DEGREES TEMP= 3.9 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. EBA	*	-1000	-4	0	-4	* AG	700	7.1	0.0	27.9
B. EBD	*	0	-2	1000	-2	* AG	913	7.1	0.0	17.0
C. WBA	*	1000	2	0	2	* AG	949	7.1	0.0	27.9
D. WBD	*	0	0	-1000	0	* AG	0	7.1	0.0	17.0
E. SBA	*	-9	1000	-9	0	* AG	956	7.1	0.0	24.3
F. SBD	*	-7	0	-7	-1000	* AG	1445	7.1	0.0	13.3
G. NBA	*	7	-1000	7	0	* AG	2543	7.1	0.0	24.3
H. NBD	*	7	0	7	1000	* AG	2790	7.1	0.0	13.3

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. R_001	-21	5	1.8
2. R_002	-18	-10	1.8
3. R_003	18	-7	1.8
4. R_004	18	7	1.8

1

JOB: Lime Rock
RUN: CALINE4 RUN (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. R_001	93.	2.4	0.1	0.7	0.7	0.0	0.3	0.0	0.1	0.4
2. R_002	85.	2.6	0.1	0.7	0.6	0.0	0.0	0.5	0.6	0.0
3. R_003	349.	2.9	0.0	0.3	0.3	0.0	0.4	0.0	0.2	1.7
4. R_004	188.	3.0	0.0	0.4	0.2	0.0	0.0	0.5	1.8	0.0

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EXIT

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION

JOB: Lime Rock
RUN: CALINE4 RUN (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 0. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 15. DEGREES TEMP= 3.9 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. EBA	*	-1000	-4	0	-4	* AG	700	7.1	0.0	27.9
B. EBD	*	0	-2	1000	-2	* AG	1027	7.1	0.0	17.0
C. WBA	*	1000	2	0	2	* AG	949	7.1	0.0	27.9
D. WBD	*	0	0	-1000	0	* AG	0	7.1	0.0	17.0
E. SBA	*	-9	1000	-9	0	* AG	1026	7.1	0.0	24.3
F. SBD	*	-7	0	-7	-1000	* AG	1482	7.1	0.0	13.3
G. NBA	*	7	-1000	7	0	* AG	2624	7.1	0.0	24.3
H. NBD	*	7	0	7	1000	* AG	2790	7.1	0.0	13.3

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. R_001	-21	5	1.8
2. R_002	-18	-10	1.8
3. R_003	18	-7	1.8
4. R_004	18	7	1.8

1

JOB: Lime Rock
RUN: CALINE4 RUN (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. R_001	93.	2.5	0.1	0.7	0.7	0.0	0.3	0.0	0.2	0.4
2. R_002	85.	2.7	0.1	0.8	0.6	0.0	0.0	0.5	0.6	0.0
3. R_003	349.	3.0	0.0	0.4	0.3	0.0	0.4	0.0	0.2	1.7
4. R_004	188.	3.1	0.0	0.4	0.2	0.0	0.0	0.6	1.9	0.0

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EXIT

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Appendix D

EDCAQMD Rule 223-1 Best Management Practices and Rule 223-2

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Table 1. Construction and Other Earthmoving Activities

Source Category	Control Measure	EDCAQMD Guidance
Backfilling	A1. Stabilize backfill material when not actively handling; and A2. Stabilize backfill material during handling; and A3. Stabilize soil at completion of activity.	– Mix backfill soil with water prior to moving – Dedicate water truck or high capacity hose to backfilling equipment. – Empty loader bucket slowly so that no dust plumes are generated. – Minimize drop height from loader bucket.
Clearing and grubbing	B1. Maintain stability of soil through pre-watering of site prior to clearing and grubbing; and B2. Stabilize soil during clearing and grubbing activities; and B3. Stabilize soil immediately after clearing and grubbing activities.	– Maintain live perennial vegetation where possible. – Apply water in sufficient quantity to prevent generation of dust plumes.
Clearing forms	C1. Use water spray to clear forms; or C2. Use sweeping and water spray to clear forms; or C3. Use vacuum system to clear forms.	– Use of high pressure air to clear forms may cause exceedance of Rule requirements.
Crushing	D1. Stabilize surface soils prior to operation of support equipment; and D2. Stabilize material after crushing.	– Follow permit conditions for crushing equipment. – Pre-water material prior to loading into crusher. – Monitor crusher emissions opacity. – Apply water to crushed material to prevent dust plumes.
Cut and fill	E1. Pre-water soils prior to cut and fill activities; and E2. Stabilize soil during and after cut and fill activities	– For large sites, pre-water with sprinklers or water trucks and allow time for penetration. – Use water as necessary to keep dust down.
Demolition – mechanical/manual	F1. Stabilize wind erodible surfaces to reduce dust; and F2. Stabilize surface soil where support equipment and vehicles will operate; and F3. Stabilize loose soil and demolition debris.	– Apply water in sufficient quantities to prevent the generation of visible dust plumes.
Disturbed soil	G1. Stabilize disturbed soil throughout the construction site; and G2. Stabilize disturbed soil between structures	– Limit vehicular traffic and disturbances on soils where possible. – If interior block walls are planned, install as early as possible. – Apply water or a stabilizing agent in sufficient quantities to prevent the generation of visible dust plumes.

Source Category	Control Measure	EDCAQMD Guidance
Earth-moving activities	H1. Pre-apply water; and H2. Re-apply water as necessary to maintain soils in a damp condition and to ensure that visible emissions do not exceed 50 feet or beyond property line in any direction; and H3. Stabilize soils once earth-moving activities are complete.	– Grade each project phase separately, timed to coincide with construction phase. – Upwind fencing can prevent material movement on site. – Apply water or a stabilizing agent in sufficient quantities to prevent the generation of visible dust plumes.
Importing/exporting of bulk materials	I1. Stabilize or adequately wet material while loading to reduce fugitive dust emissions; and I2. Maintain at least six inches of freeboard on haul vehicles traveling offsite; and I3. Stabilize or adequately wet material while transporting to reduce fugitive dust emissions; and I4. Stabilize material while unloading to reduce fugitive dust emissions.	– Use tarps or other suitable enclosures on haul trucks. – Comply with track-out prevention/ mitigation requirements. – Provide water while loading and unloading to reduce visible dust plumes.
Landscaping	J1. Stabilize soils, materials and slopes.	– Apply water to materials to stabilize. – Maintain materials in a crusted condition. – Maintain effective cover over materials – Stabilize sloping surfaces using soil binders until vegetation or ground cover can effectively stabilize the slopes – Hydroseed prior to rainy season.
Road shoulder maintenance	K1. Apply water to unpaved shoulders prior to clearing; and K2. Apply chemical dust suppressants and/or other appropriate material in accordance with DOT specifications to maintain a stabilized surface after completing road shoulder maintenance.	– Installation of curbing and/or paving of road shoulders can reduce recurring maintenance costs. – Use of chemical dust suppressants can inhibit vegetation growth and reduce future road shoulder maintenance costs.
Screening	L1. Pre-water material prior to screening; and L2. Limit fugitive dust emissions to opacity and plume length standards; and L3. Stabilize material immediately after screening.	– Dedicate water truck or high capacity hose to screening operation. – Drop material through the screen slowly and minimize drop height. – Install wind barrier with a porosity of no more than 50% upwind of screen to the height of the drop point.

Source Category	Control Measure	EDCAQMD Guidance
Staging areas	M1. Stabilize staging areas during use; and M2. Stabilize staging area soils at project completion.	– Limit size of staging area. – Limit vehicle speeds to prevent visible dust in excess of standards per 223-1.4.A. – Limit number and size of staging area entrances/exists.
Stockpiles/Bulk Material Handling	N1. Stabilize stockpiled materials. N2. Stockpiles within 100 yards of off-site occupied buildings must not be greater than eight feet in height; or must have a road bladed to the top to allow water truck access or must have an operational water irrigation system that is capable of complete stockpile coverage.	– Add or remove material from the downwind portion of the storage pile. – Maintain storage piles to avoid slides.
Traffic areas for construction activities	O1. Stabilize or maintain adequate moisture on all off-road traffic and parking areas; and O2. Stabilize or maintain adequate moisture on all haul routes; and O3. Direct construction traffic over established haul routes.	– Apply gravel/paving to all haul routes as soon as possible to all future roadway areas. – Barriers can be used to ensure vehicles are only used on established parking areas/haul routes.
Trenching	P1. Stabilize surface soils where trencher or excavator and support equipment will operate; and P2. Stabilize soils at the completion of trenching activities.	– Pre-watering of soils prior to trenching is an effective preventive measure. – Washing mud and soils from equipment at the conclusion of trenching activities can prevent crusting and drying of soil on equipment.
Truck loading	Q1. Pre-water material prior to loading; or Q2. Apply water as loader bucket is being emptied; and Q2. Freeboard must be 6 inches or greater (VCS 23114)	– Empty loader bucket such that no visible dust plumes are created. – Ensure that the loader bucket is close to the truck to minimize drop height while loading.
Turf Overseeding	R1. Apply sufficient water immediately prior to conducting turf vacuuming activities to meet opacity and plume length standards; and R2. Cover haul vehicles prior to exiting the site.	– Haul waste material immediately off-site.
Unpaved roads/ parking lots	S1. Stabilize soils to meet the applicable performance standards(Surface crusting); and S2. Limit vehicular travel to established unpaved roads (haul routes) and unpaved parking lots.	– Restricting vehicular access to established unpaved travel paths and parking lots can reduce stabilization requirements.

Source Category	Control Measure	EDCAQMD Guidance
Vacant land	T1. In instances where vacant lots are 0.10 acre or larger and have a cumulative area of 500 square feet or more that are driven over and/or used by motor vehicles and/or off-road vehicles, prevent motor vehicle and/or off-road vehicle trespassing, parking and/or access.	– Installing barriers, curbs, fences, gates, posts, signs, shrubs, trees or other effective control measures to prevent access to motor or off-road vehicles.

Table 2. Bulk Material Handling

Source Category	Control Actions
Handling Of Bulk Materials	A1. When handling bulk materials, apply water or chemical/organic stabilizers/ suppressants;
Storage of Bulk Materials	B1. When storing bulk materials, comply with the conditions for a stabilized surface; or B2. Cover bulk materials stored outdoors with tarps, plastic or other suitable material and anchor in such a manner that prevents the cover from being removed by wind action; or B3. Construct and maintain wind barriers with less than 50% porosity. If utilizing fences or wind barriers, apply water or chemical/organic stabilizers/suppressants; or B4. Utilize a 3-sided structure with a height at least equal to the height of the storage pile and with less than 50% porosity.
On-Site Transporting of Bulk Materials	C1. Limit vehicular speed while traveling on the work site; or C2. Load all haul trucks such that the freeboard is not less than six (6) inches when material is transported across any paved public access road; or C3. Apply water to the top of the load; or C4. Cover haul trucks with a tarp or other suitable cover.
Off-Site Transporting of Bulk Materials	D1. Clean the interior of the cargo compartment or cover the cargo compartment before the empty truck leaves the site; and D2. Prevent spillage or loss of bulk material from holes or other openings in the cargo compartment's floor, sides and/or tailgate; and D3. Load all haul trucks such that the freeboard is not less than six (6) inches when material is transported on any paved road, and apply water to the top of the load; or cover haul trucks with a tarp or other suitable cover.
Outdoor Transport Of Bulk Materials With A Chute Or Conveyor:	E1. Fully enclose the chute or conveyor; or E2. Operate water spray equipment; or E3. Wash separated or screened materials to remove conveyed materials having an aerodynamic diameter of 10 microns or less.

Table 3. Removal and Prevention of Trackout

Source Category	Control Actions
Removal of Trackout Material	A1. Manually sweeping and picking-up; or A2. Operating a rotary brush or broom accompanied or preceded by sufficient wetting; or A3. Operating a PM10-efficient street sweeper; or A4. Flushing with water, where the use of water will not result in adverse impacts on storm water drainage systems or violate any National Pollutant Discharge Elimination System permit program; and A5. The use of blower devices, or dry rotary brushes or dry brooms is expressly prohibited.
Frequency of Trackout Material Removal	B1. At the minimum trackout must be removed at the end of the day; and B2. Trackout must be immediately removed when it extends 50 feet or more from the nearest unpaved surface exit point of a site; and B3. On interior paved roads trackout must be removed at least once per workday.
Trackout Prevention for Large Operations or Sites with more than 150 vehicle trips/day.	C1. Installation of grizzlies, or similar devices designed to remove dirt/mud from tires; or C2. Installation of gravel pads; or C3. Paving of interior roads.

Table 4. Blasting Activities

Source Category	Control Measure	EDCAQMD Guidance
Site Preparation (drilling, setting charges, burial of charges)	A1. Reduce dust from drilling operation A2. Pre-wet blast area A3. Cover charges to minimize dust	– Control rate of drilling – Apply water fog – Place blast mats over charges – Place soil mounds over charges – Wet entire area prior to blasting
Blasting activities	B1. Dust cannot exceed 50 ft or cross the project property line	– Conduct blasting on calm days – Consider wind direction with respect to your property line, nearby residences and other receptors.
Post-Blasting Activities	C1. Follow Best Management Practice for all construction activities (Rule 223-1, Table 1)	

Table 5. Large Operations Dust Control

Source Category	Control Actions
Earth-moving: (except construction cutting and filling areas, and mining operations)	A1. Maintain soil moisture content at a minimum of 12 percent, as determined by ASTM method D-2216, or other equivalent method approved by the Air Pollution Control Officer. Two soil moisture evaluations must be conducted during the first three hours of active operations during a calendar day, and two such evaluations each subsequent four-hour period of active operations; or A2. For any earth-moving which is more than 50 feet from all property lines, conduct watering as necessary to prevent visible dust emissions from exceeding 50 feet in length in any direction. Visible emissions must not extend beyond property boundary.
Earth-moving: Construction fill areas	B1. Maintain soil moisture content at a minimum of 12 percent, as determined by ASTM method D-2216, or other equivalent method approved by the Air Pollution Control Officer. For areas which have an optimum moisture content for compaction of less than 12 percent, as determined by ASTM Method 1557 or other equivalent method approved by the Air Pollution Control Officer complete the compaction process as expeditiously as possible after achieving at least 70 percent of the optimum soil moisture content. Two soil moisture evaluations must be conducted during the first three hours of active operations during a calendar day, and two such evaluations during each subsequent four hour period of active operations; or B2. For any earth-moving which is more than 50 feet from all property lines, conduct watering as necessary to prevent visible dust emissions from exceeding 50 feet in length in any direction. Visible emissions must not extend beyond property boundary.
Earth-moving: Construction cut areas	C1. Conduct watering as necessary to prevent any visible emissions from extending beyond property boundary.
Disturbed surface areas: (except completed grading areas)	D1. Apply dust suppression in sufficient quantity and frequency to maintain a stabilized surface. Any areas which cannot be stabilized, as evidenced by wind driven fugitive dust must have an application of water at least twice per day to at least 80 percent of the unstabilized area.
Disturbed surface areas: Completed grading areas	E1. Apply chemical stabilizers within five working days of grading completion; or E2. Take actions F1 or F3 specified for inactive disturbed surface areas.
Inactive disturbed surface areas	F1. Apply water to at least 80 percent of all inactive disturbed surface areas on a daily basis when there is evidence of wind driven fugitive dust, excluding any areas which are inaccessible to watering vehicles due to excessive slope or other safety conditions; or F2. Apply dust suppressants in sufficient quantity and frequency to maintain a stabilized surface; or F3. Establish a vegetative ground cover within 21 days after active operations have ceased. Ground cover must be of sufficient density to expose less than 30 percent of unstabilized ground within 90 days of planting, and at all times thereafter; or F4. Utilize any combination of control actions F1, F2 and F3 such that, in total, these actions apply to all inactive disturbed surface areas. F5. Establishment and maintenance of surface crusting sufficient to satisfy the test in Section 223-1.10 F6. Approved mixture of tackifier and fiber mulch, applied per manufacturer's recommendation.

Source Category	Control Actions
Unpaved Roads	G1. Water all roads used for any vehicular traffic at least once per every two hours of active operations or as often as necessary; or G2. Apply a chemical stabilizer to all unpaved road surfaces in sufficient quantity and frequency to maintain a stabilized surface; and G3. Restrict vehicle speeds where necessary ;
Open storage piles	H1. Apply chemical stabilizers; or H2. Apply water to at least 80 percent of the surface area of all open storage piles on a daily basis when there is evidence of wind driven fugitive dust; or H3. Install temporary coverings; or H4. Install a three-sided enclosure with walls with no more than 50 percent porosity which extend, at a minimum, to the top of the pile. This option may only be used at aggregate-related plants or at cement manufacturing facilities.
All Categories	I1. Any other control measures approved by the Air Pollution Control Officer as equivalent to the methods specified in Table 5 may be used.

Table 6. Large Operations Contingency Dust Control

Source Category	Control Actions
Earth-moving	A1. Cease all active operations except for dust mitigation activities; or A2. Apply water to soil not more than 15 minutes prior to moving such soil; and A3. Apply water during soil moving or disturbance operations.
Disturbed surface areas	B1. On the last day of active operations prior to a weekend, holiday or any other period when active operations will not occur for not more than four consecutive days: apply water with a mixture of chemical stabilizer diluted to not less than 1/20 of the concentration required to maintain a stabilized surface for a period of six months; or B2. Apply chemical stabilizers prior to wind event; or B3. Apply water to all unstabilized disturbed areas 3 times per day. If there is any evidence of wind driven fugitive dust, watering frequency is increased to a minimum of four times per day; or B4. Take the actions specified in Table 5, control action F3; or B5. Utilize any combination of control actions B1, B2 and B3B such that, in total, these actions apply to all disturbed surface areas.
Unpaved roads	C1. Apply chemical stabilizers prior to wind event; or C2. Apply water twice per hour during active operation; or C3. Stop all vehicular traffic, except for dust mitigation equipment.
Open storage piles	D1. Apply water twice per hour; or D2. Install temporary coverings.
Bulk Material Transport	E1. Cover all haul vehicles; or E2. Freeboard must be 6 inches or greater (VCS 23114)
All Categories	F1. Any other control measures approved by the Air Pollution Control Officer as equivalent to the methods specified in Table 6 may be used.

EL DORADO COUNTY AIR QUALITY MANAGEMENT DISTRICT

RULE 223-2 FUGITIVE DUST – ASBESTOS HAZARD MITIGATION
(Adopted 7/19/2005, Amended 10/18/2005)

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REFERENCE A - Asbestos Airborne Toxic Control Measure for Construction, Grading, Quarrying and Surface Mining, Section 93105, Title 17, California Code of Regulations

REFERENCE B - Asbestos Airborne Toxic Control Measure For Surfacing Applications, Section 93106, Title 17, California Code of Regulations

5-2.1 GENERAL

A. **PURPOSE:** The purpose of this Rule is to reduce the amount of asbestos particulate matter entrained in the ambient air as a result of any construction or construction related activities, that disturbs or potentially disturbs naturally occurring asbestos by requiring actions to prevent, reduce or mitigate asbestos emissions.

B. **APPLICABILITY:** Unless one of the exemptions specified in Section 223-2.2 Exemptions applies, this Rule shall apply to **any construction or construction related activity** that:

1. is in excess of 20 cubic yards of graded material per project, or if required by the Air Pollution Control Officer **and**

2. meets **either** of the following criteria:

. Any portion of the area to be disturbed:
  . is located in a geographic ultramafic rock unit, **or**
  . has naturally-occurring asbestos, serpentine or ultramafic rock as determined by owner/operator, Professional Geologist or the Air Pollution Control Officer, **or**
  ii. is located within designated Naturally Occurring Asbestos Review Areas on the current El Dorado County Naturally Occurring Asbestos Review Area Map

. Naturally-occurring asbestos, serpentine, or ultramafic rock is discovered by the owner/operator, a Professional Geologist, or the Air Pollution Control Officer in the area to be disturbed after the start of any construction or construction related activity.

C. **ASBESTOS RELATED STATE OF CALIFORNIA REGULATIONS**

1. In addition to the requirements of this rule there are two State of California regulations for asbestos control that are applicable within El Dorado County and enforceable by the El Dorado County Air Quality Management District (EDCAQMD). These two asbestos control regulations are Attachments A and B to this rule.

Reference A: Asbestos Airborne Toxic Control Measure (ATCM) for Construction, Grading, Quarrying and Surface Mining Operations (California Code of Regulations, Title 17, Section 93105)

. Reference B: Asbestos Airborne Toxic Control Measure (ATCM) for Surfacing Applications (California Code of Regulations, Title 17, Section 93106)

1. A person who is subject to the Asbestos Airborne Toxic Control Measure (ATCM) for Construction, Grading, Quarrying and Surface Mining Operations (California Code of Regulations, Title 17, Section 93105) is required to comply with the following sections in addition to the requirements under the ATCM:

a. Section 223-2.4.A. regarding the visible emission standards.

b. Section 223-2.4.C: regarding the suspension of operations under high wind conditions.

c. Section 223-2.4.D: regarding the posting of Asbestos Warning signs.

d. Section 223-2.6.A and B: regarding trackout removal.

e. Section 223-2.6.D: regarding disposal of asbestiform containing soils removed by excavation.

e. Section 223-2.6.E: regarding 30-day time limit and other requirements for completion of post construction stabilization/mitigation.

223-2.2 EXEMPTION

A**. GENERAL:** Exemptions as defined in EDCAQMD Rule 223.2 A through F shall apply to this rule.

B. **GEOLOGIC EVALUATION**: The Air Pollution Control Officer may provide an exemption from this Rule for any property that meets at least one of the criteria in Section 223-2.1.B if a Professional Geologist has **conducted** a geologic evaluation of the property and determined that no serpentine or ultramafic rock, or asbestos, is likely to be found in the area to be disturbed. Before an exemption can be granted, the owner/operator must provide a copy of a report detailing the geologic evaluation to the Air Pollution Control Officer for his or her consideration.

1. At a minimum, the geologic evaluation must include:
   a. A general description of the property and the proposed use;
   b. A detailed site characterization which may include:
      . A physical site inspection;
      . Offsite geologic evaluation of adjacent property;
      . Evaluation of existing geological maps and studies of the site and surrounding area;
      . Development of geologic maps of the site and vicinity;
      . Identification and description of geologic units, rock and soil types, and features that could be related to the presence of ultramafic rocks, serpentine, or asbestos mineralization; and
      . A subsurface investigation to evaluate the nature and extent of geologic materials in the subsurface where excavation is planned; methods of subsurface investigation may include, but are not limited to borings, test pits, trenching, and geophysical surveys;
   c. A classification of rock types found must conform to the nomenclature based on the International Union of Geological Science system;
   d. A description of the sampling procedures used;
   e. A description of the analytical procedures used, which may include mineralogical analyses, petrographic analyses, chemical analyses, or analyses for asbestos content;
   f. An archive of collected rock samples for third party examination (to be kept for at least one year after the completion of the project); and
   g. A geologic evaluation report documenting observations, methods, data, and findings; the format and content of the report should follow the Guidelines for the Assessment of Naturally Occurring Asbestos issued by the California Geologic Survey.

2. The Air Pollution Control Officer may request any additional tests or other information needed to evaluate an application for exemption

3. The Air Pollution Control Officer shall grant or deny a request for an exemption within 30 days of the receipt of a complete application.

4. If the request for an exemption is denied, the Air Pollution Control Officer shall provide written reasons for the denial.

5. Expiration of the Geologic Exemption: If the owner/operator discovers any naturally-occurring asbestos, serpentine, or ultramafic rock in the area to be disturbed after the exemption is granted, then:

    a. The owner/operator must comply with the requirements of this Rule.
    b. The owner/operator must report the discovery of the naturally-occurring asbestos, serpentine or ultramafic rock to the Air Pollution Control Officer no later than the next business day.
    g. The exemption under Section 223-2.2.B shall expire and cease to be effective.

223-2.3 DEFINITIONS

In addition to the definitions of terms in EDCAQMD Rule 223 (General Requirements), the following definitions shall apply to this rule.

E. **ADEQUATELY WETTED:** sufficiently moistened with water to minimize the release of particulate matter into the ambient air.

F. **APPROVED ASBESTOS BULK TEST METHOD:** ARB Test Method 435 or an alternative asbestos bulk test method approved in writing by the Executive Officer of the California Air Resources Board.

G. **ARB:** the California Air Resources Board.

H. **ARB TEST METHOD 435:** the test method specified in title 17, California Code of Regulations, Section 94147.

I. **ASBESTOS:** asbestiforms of the following minerals: chrysotile (fibrous serpentine), crocidolite (fibrous riebeckite), amosite (fibrous cummingtonite--grunerite), asbestiform amphiboles (e.g. edenite, winchite and richterite), fibrous tremolite, fibrous actinolite, fibrous anthophyllite and tremolite/actinolite solution series of asbestiform minerals.

J. **ASBESTOS-CONTAINING MATERIAL:** any material that has asbestos content of 0.25 percent or greater by ARB test method 435.

K. **ASBESTOS CONTAINING WASTE or ACW:** asbestos containing waste managed at a landfill as authorized by Section 25143.7, chapter 6.5 of the California Health and Safety Code, which contains greater than (1%) friable asbestos by weight. Asbestos containing waste does not include waste contaminated with another hazardous waste as identified in chapter 11, division 4.5, Title 22, California Code of Regulations.

L. **ASBESTOS DUST MITIGATION PLAN:** a detailed written document specifying measures that would be implemented to minimize the emissions of asbestos-laden dust.

D. EL DORADO COUNTY NATURALLY OCCURING ASBESTOS REVIEW AREA MAP: a map created by adding mapping accuracy buffers to (1) faults and areas likely to contain asbestos as shown on the March 2000 Department of Mines and Geology “Areas More Likely to Contain Naturally-Occurring Asbestos in Western El Dorado County, California” map and (2) documented discovery sites containing at least 0.25% Asbestos. The most current map is provided on the EDCAQMD website and is available at the El Dorado County Surveyor’s office.

E. G**EOGRAPHIC ULTRAMAFIC ROCK UNIT:** a geographic area that is designated as an ultramafic rock unit or ultrabasic rock unit, including the unit boundary line, on any of the maps referenced in Appendix A of the Asbestos Airborne Toxic Control Measure for Construction, Grading, Quarrying and Surface Mining, Section 93105, Title 17, California Code of Regulations

F. **GEOLOGIC EVALUATION:** an evaluation of a property by a Professional Geologist to determine the presence of various types of rocks, including but not limited to ultramafic rock, serpentinite, or other metamorphic derivatives of ultramafic rock.

G. **HEPA FILTER:** a High Efficiency Particulate Air filter used to remove particles less than one (1) micron in aerodynamic diameter that operates at removal efficiencies of 99.9 percent or greater.

H. **NATURALLY-OCCURRING ASBESTOS:** asbestos that has not been processed in an asbestos mill or is not asbestos mine tailings.

I. **PROFESSIONAL GEOLOGIST:** an individual who is currently licensed as a geologist with the State of California, Department of Consumer Affairs, Board of Geology and Geophysicists.

J. **REMOTE LOCATION:** any location that is at least one (1.0) mile from the location of a receptor.

K. **RECEPTOR:** includes, but is not limited to, any hospital, school, day care center, work site, business, residence, and permanent campground. The distance to the nearest receptor is to be measured from the outermost limit of the area to be disturbed or road surface, whichever is closer.

L. **SERPENTINE:** any form of the following hydrous magnesium silicate minerals: antigorite, lizardite, and chrysotile.

M. **SERPENTINITE:** a rock consisting almost entirely of serpentine, although small amounts of other minerals such as magnetite, chromite, talc, brucite, and tremolite-actinolite may also be present. "Serpentinite" is a metamorphic derivative of the ultramafic rocks, peridotite, pyroxenite, or dunite.

N. **ULTRABASIC ROCK:** ultramafic rock.

O. **ULTRAMAFIC ROCK:** an igneous rock composed of 90 percent or greater of one or a combination of the following iron/magnesium-rich, dark-colored silicate minerals: olivine, pyroxene or more rarely amphibole. For the purposes of this section, "ultramafic rock" includes the following rock types: dunite, pyroxenite and peridotite; and their metamorphic derivatives.

P. **VEGETATIVE COVER**: ground cover with sufficient density to expose less than 30 percent of unstabilized ground within 90 days of planting, and at all times thereafter.

1-9.1 GENERAL REQUIREMENTS

A. Visible emissions shall not exceed the shade designated as No. 0 on the Ringelmann Chart, or 0% opacity as determined in accordance with US EPA Method 9, at 25 feet from the point-of-origin and at the property line. Visible emissions shall not exceed the shade designated as No. 1 on the Ringelmann Chart, or 20% opacity as determined in accordance with US EPA Method 9at the point-of-origin. Applicable Best Management Practices included in Table 1 through 4 of this Rule or

similar effective measures shall be utilized to comply with fugitive dust standards of this rule from each fugitive dust source type within the active operation.

A. Vehicle Speed Limitations and Posting of Speed Limit Signs

1. An owner/operator shall limit the speed of vehicles traveling within construction sites to a maximum of 15 miles per hour.

2 An owner/operator shall post speed limit signs limiting vehicle speed to maximum of 15 miles per hour that meet State and Federal Department of Transportation standards at each construction site's uncontrolled unpaved access/haul road entrance.

C. When sustained wind speeds result in visible dust emissions in excess of the standards in Section 223-2.4 A., despite the application of dust mitigation measures, grading and earthmoving operations except except for dust mitigation activities shall be suspended

D. Warning Signs shall be posted at the main entrance(s) to the project for the duration of soil disturbance activities. Signs shall be posted in letter of sufficient size as to be readily visible and legible. The following wording is recommended: "Warning. Soils in the area may contain naturally occurring asbestos. Asbestos is a known carcinogen. Report excessive fugitive dust to the contractor at (contractor phone number), NOA Hotline: 888-FYI4NOA or EDCAQMD: 530-621-6662"

I. Following operations and activities are expressly prohibited:

2. Rock crushing of asbestos-containing material;

2. Use of blower devices for any removal of asbestos-containing material.

223-2.5 ADMINISTRATIVE REQUIREMENTS

A. Asbestos Dust Mitigation Plan

1. An owner/operator shall submit an Asbestos Dust Mitigation Plan to the Air Pollution Control Officer prior to the start of any construction activity that is applicable to this rule. An updated Asbestos Dust Mitigation Plan must be submitted if the project is significantly modified, a new grading permit is issued, the owner/operator changes or at the request of the Air Pollution Control Officer.

   Construction activities shall not commence until the Air Pollution Control Officer has approved or conditionally approved the Asbestos Dust Mitigation Plan. An owner/operator shall provide written notification to the Air Pollution Control Officer at least 10 days prior to the commencement of earthmoving activities via fax or mail. Projects that are less than 1 acre shall provide notification to the Air Pollution Control Officer at least 48 hours prior to earthmoving activities via fax or mail. The requirement to submit an Asbestos Dust Mitigation Plan shall apply to all such activities conducted for residential and non-residential (e.g., commercial, industrial, or institutional) purposes or conducted by any governmental entity.

2. . An owner/operator may submit one Asbestos Dust Mitigation Plan covering multiple construction stages within same project, provided the plan includes description of activities and

control measures for all stages of the project. The Asbestos Dust Mitigation Plan shall specify the expected start and final completion date of each project.

3. Asbestos Dust Mitigation Plan shall describe all dust mitigation measures to be implemented before, during and after any dust generating activity.

4. Asbestos Dust Mitigation Plan shall contain all the information described in Section 223-2.5.B. The Air Pollution Control Officer shall approve, disapprove or conditionally approve the Asbestos Dust Mitigation Plan within 30 days of plan submittal.

5. An owner/operator shall retain a copy of an approved Asbestos Dust Mitigation Plan at the project site. The approved Asbestos Dust Mitigation Plan shall remain valid until the termination of all dust generating activities. Failure to comply with the provisions of an approved Asbestos Dust Mitigation Plan is deemed to be a violation of this rule. Regardless of whether an approved Asbestos Dust Mitigation Plan is in place or not, or even when the owner/operator responsible for the plan is complying with an approved Asbestos Dust Mitigation Plan, the owner/operator shall comply also with all requirements of this Rule at all times.

B. An Asbestos Dust Mitigation Plan shall contain all of the following information:

0. Name(s), address(s), and phone number(s) of person(s) and owner(s)/operator(s) responsible for the preparation, submittal, and implementation of the Asbestos Dust Mitigation Plan and responsible for the dust generating operation and the application of dust control measures.

0. A plot plan which shows the type and location of each project.

0. The total area of land surface to be disturbed and total area in acres of the entire project site.

0. The expected start and completion dates of dust generating and soil disturbance activities to be performed on the site.

0. The actual and potential sources of fugitive dust emissions on the site and the location of bulk material handling and storage areas, paved and unpaved roads; entrances and exits where carryout/trackout may occur; and traffic areas.

0. Best Management Practice (Rule 223-2, Table 1 through 4) or other effective measures for:
   - Construction
   - Bulk Material Handling
   - Carryout and Trackout Management
   - Blasting Activities

0. Large Operations must include Dust Control Measures (Rule 223-2, Table 5 and 6).

0. If chemical dust suppressants are to be applied, the following information must be included: product specifications; manufacturer's usage instructions (method, frequency, and intensity of application); type, number, and capacity of application equipment; and information on environmental impacts and approvals or certifications related to appropriate and safe use for ground application.

0. Specific surface treatment(s) and/or control measures utilized to control material carryout, trackout, and sedimentation where unpaved and/or access points join paved roads.

10. Frequency of reporting: The plan shall state how often the items specified in Section 223-2.9. and any other items identified in the plan, will be reported to the EDCAQMD.

223-2.6 REQUIREMENTS FOR TRACKOUT MANAGEMENT, EXCAVATED SOIL MANAGEMENT AND POST-CONSTRUCTION STABILIZATION

A. An owner/operator shall prevent or cleanup carryout and trackout as specified in Section 223-2.6.A. The use of blower devices, or dry rotary brushes or brooms, for removal of carryout and trackout on public roads is expressly prohibited. The removal of carryout and trackout from paved public roads does not exempt an owner/operator from obtaining state or local agency permits which may be required for the cleanup of mud and dirt on paved public roads.

1. Owners/operators shall prevent carryout and trackout, or remove all visible carryout and trackout immediately.

2. Cleanup of carryout and trackout shall be accomplished by:
   a. Wet sweeping and picking-up; or
   b. Operating a HEPA filter equipped vacuum device; or
   c. Flushing with water, if curbs or gutters are not present, and where the use of water will not result in a source of trackout material or result in adverse impacts on storm water drainage systems or violate any National Pollutant Discharge Elimination System permit program.

E. An owner/operator of any site with 150 or more vehicle trips per day, or 20 or more vehicle trips per day by vehicles with three or more axles shall in addition to the requirements in Section 223-2.6.A, take the following preventative actions for carryout and trackout:

1. Installing and maintaining a trackout control device (grizzlies, gravel pads or paved surfaces) designed and maintained to control trackout at all access points to paved public roads; or:

2. Utilizing a carryout and trackout prevention procedure which has been demonstrated to the satisfaction of the Air Pollution Control Officer as achieving an equivalent or greater level of control.

F. Control for disturbed surface areas and storage piles, shall comply with all applicable requirements of this Rule.

G. Disposal of asbestiform containing soils removed by excavation:

1. Placing excavated soils into fills constructed elsewhere on the project.
   a. The location(s) of such removals and the placement quantities and locations shall be documented.
   b. Fills with a naturally occurring asbestos content equal to or greater than 1.0% by ARB Test Method 435, or when visually evident fibrous materials likely to be asbestos are present, located in residential landscaping areas shall be covered by at least two feet (24 inches) of non-asbestiform containing material or by concrete or asphalt paving.

2. It is the owner/operator responsibility that final destination (usage or disposal) and transports of any excavated soils from the project is in conducted in full compliance with pertinent federal,

state and local rules and regulations including CA Title 17, Section 93106, Asbestos Airborne Toxic Control Measure for Surfacing Applications.

3. For any soils transported off-site the following information must be documented, retained for a period of at least 3 years, and provided to the Air Pollution Control Officer upon request:
   e. Project location
   f. Laboratory results for any asbestos soil testing done at the project location
   g. Date(s) of off-site transport(s) of excavated soils
   h. Location(s) where excavated soils were transported to
   i. Total quantity transported to each location
   j. Intended usage (fill, surface application), if the final destination is other than Class II or Class III landfill disposal facility.

H. Control for off-site transport. The owner/operator shall ensure that no trucks are allowed to transport excavated material off-site unless:

1. Trucks are maintained such that no spillage can occur from holes or other openings in cargo compartments; and

2. Loads are adequately wetted; and
   a. Covered with tarps; or
   b. Loaded such that the material does not touch the front, back, or sides of the cargo compartment at any point less than six inches from the top and that no point of the load extends above the top of the cargo compartment.

5. If excavated material is classified as a hazardous waste/material, off-site transport must comply with pertinent State and Federal rules and regulations.

I. Post construction stabilization of disturbed areas. For multiple phase projects, the property owner shall be responsible for ensuring that the soil be stabilized following each phase of the project using one of the methods listed below or by any other method approved by the APCO. Upon completion of all phases of the project, but no later than 30 days following the end of soil disturbing activities, all disturbed surfaces with naturally occurring asbestos content of equal to or greater than 0.25% by ARB test method 435 shall be stabilized using one or more of the following methods:

1. Establishment of a vegetative cover;

2. Placement of non-asbestos containing material on disturbed soil areas shall be as follows:
   a. At least three (3.0) inches in residential and nonresidential areas;
   b. A total of at least twelve (12) inches or the maximum depth of irrigation improvements, whichever is higher, in residential landscaping areas with a naturally occurring asbestos content greater than 0.25% by ARB Test Method 435, or when visually evident fibrous materials likely to be asbestos are present;

3. Paving, building foundations, concrete flatwork or retaining walls

223-2.7. ADDITIONAL REQUIREMENTS FOR LARGE OPERATIONS

E. Any person who conducts or authorizes the conducting of a large operation subject to this Rule shall implement the applicable actions specified in Table 5 of this Rule at all times and shall implement the

applicable actions specified in Table 6 of this Rule when the applicable performance standards can not be met through use of Table 5 actions; and shall:

0. Submit a Large Operation Notification to the Air Pollution Control Officer within 7 days of qualifying as a large operation;

0. Maintain daily records to document the specific dust control actions taken, maintain such records for a period of not less than three years; and make such records available to the Air Pollution Control Officer upon request;

0. Identify a dust control supervisor that:
   a. is employed by or contracted with the property owner or developer;
   b. is on the site or available on-site within 30 minutes during working hours;
   c. has the authority to expeditiously employ sufficient dust mitigation measures to ensure compliance with all Rule requirements.

223-2.8 AIR MONITORING FOR ASBESTOS

A. Pursuant to the requirements of California Health and Safety Code Section 41511:

1. Air monitoring may be required by the Air Pollution Control Officer.

2. The Air Pollution Control Officer may require revisions to the asbestos dust mitigation plan on the basis of the results of the air monitoring.

. Air monitoring for asbestos (if required by the Air Pollution Control Officer).

0. If required by the Air Pollution Control Officer, the Asbestos Dust Mitigation Plan shall include an air-monitoring component.

1. The air monitoring component shall specify the following:
   . Type of air sampling device(s);
   . Siting of air sampling device(s);
   . Sampling duration and frequency; and
   . Analytical method
   . Frequency and detail of analytical data submittal

223-2.9 RECORDKEEPING AND REPORTING REQUIREMENTS

A. Recordkeeping Requirements: The owner shall retain all of the following records for at least ten (10) years following the completion of the construction project:

0. The results of any air monitoring conducted any time during the project.

0. The documentation for any geologic evaluation conducted on the property for the purposes of obtaining an exemption, except the archive of collected samples which may be discarded at the expiration of the exemption or one (1) year after the exemption is granted whichever is less.

0. The results of any asbestos bulk sampling that meets any of the following conditions:

a. The asbestos bulk sampling was conducted by the owner/operator to document the applicability of or compliance with this section.
b. The asbestos bulk sampling was done at the request of the Air Pollution Control Officer or the El Dorado Building Department or Department of Transportation (DOT).

7. The placement quantities and both removal and placement location of asbestiform containing soils removed by excavation as required in 223-2.6.D.

8. Records and reports for the project, as defined in 223-2.9.A, shall be provided upon request with disclosures in real estate transactions concerning the project or property.

B. Reporting Requirements: The owner/operator of any grading or construction operation subject to this section shall submit the following to the EDCAQMD:

1. The results of any air monitoring conducted at the request of the Air Pollution Control Officer.

2. The laboratory results of any asbestos bulk sampling or testing.

3. The areas where asbestos was identified, removed, and placed, onsite or offsite shall be described upon completion of the project.

4. Any public complaints received by the contractor during the project shall be reported as requested by the Air Pollution Control Officer.

223-2.10 TEST METHODS

E. Ultramafic Rock: The ultramafic rock composition of any material shall be determined using standard analysis techniques including, but not limited to, color index assessment, microscopic examination, petrographic analysis or rock thin sections, or chemical analysis techniques, such as X-ray fluorescence spectrometry or inductively coupled plasma analysis.

F. Bulk Sampling Methods: ARB Test Method 435, or an alternative asbestos bulk test method approved in writing by the Executive Officer of the California Air Resources Board, shall be used to determine the asbestos content of a bulk sample. For the purposes of determining compliance with this section, references in ARB Test Method 435 to "serpentine aggregate" shall mean "gravel" or other "bulk materials" to be tested for asbestos content.

G. Surface Crusting: “Measurement of the stability of surface crusting on horizontal surfaces” shall be as follows:

1. Where a visible crust exists, drop a steel ball with a diameter of 15.9 millimeters (0.625 inches) and a mass ranging from 16 to 17 grams from a distance of 30 centimeters (one foot) directly above at a 90 degree angle (perpendicular) to the ground surface. If blowsand (thin deposits of loose grains covering less than 50 percent of the surface that have not originated from the surface being tested) is present, clear the blowsand from the surfaces to be tested before dropping the steel ball.

2. A sufficient crust is determined to exist if, when the ball is dropped according to Section 223-2.10.C.1 the ball does not sink into the surface so that it is partially or fully surrounded by loose

grains and, upon removing the ball, the surface on which it was dropped has not been pulverized so that loose grains are visible.

0. Drop the ball three times each in three representative test areas within a survey area measuring 1 foot by 1 foot that represents a random portion of the surface being evaluated. The test area shall be deemed to have passed if at least two of the three times the ball was dropped, the results met the criteria in Section 223-2.10.C.1. If all three test areas pass, the area shall be deemed to be "sufficiently crusted".

C. Analysis of Air Samples: Analysis of all air samples shall follow the analytical method specified by the United States Environmental Protection Agency, Asbestos Hazard Emergency Response Act (AHERA) criteria for asbestos (40 CFR, Part 763 Subpart E, Appendix A, adopted October 30, 1987), with the following exceptions:

0. The analytical sensitivity shall be 0.001 structures per cubic centimeter (0.001 s/cc); and

0. All asbestos structures with an aspect ratio greater than three to one (3:1) shall be counted irrespective of length.

2. The results of the analysis of air samples shall be reported as transmission electron microscopy (TEM) asbestos structures per cubic centimeter (s/cc).

D. Adequately Wetted: Field determination of "adequately wetted" shall be as follows:

0. If the district-approved asbestos dust mitigation plan has specified a percent moisture content for specific materials the determination shall be as specified in the district-approved asbestos dust mitigation plan; or

0. If no moisture threshold is specified in a district-approved asbestos dust mitigation plan, a sample of at least one (1) quart in volume shall be taken from the top three (3) inches of a road, or bare area or from the surface of a stockpile. The sample shall be poured out from a height of four (4) feet onto a clean hard surface. The material shall be considered to be adequately wetted if there is no observable dust emitted when the material is dropped.

RULE 223-2 TABLE 1
BEST MANAGEMENT PRACTICE FOR ASBESTOS DUST MITIGATION
(Construction And Other Earthmoving Activities)

Source Category	Control Measure	Guidance
Backfilling	A1 Stabilize backfill material when not actively handling; and A2 Stabilize backfill material during handling; and A3 Stabilize soil at completion of activity. .	□ Mix backfill soil with water prior to moving □ Dedicate water truck or high capacity hose to backfilling equipment. □ Empty loader bucket slowly so that no dust plumes are generated. □ Minimize drop height from loader bucket.
Clearing and grubbing	B1 Maintain stability of soil through pre-watering of site prior to clearing and grubbing; and B2 Stabilize soil during clearing and grubbing activities; and B3 Stabilize soil immediately after clearing and grubbing activities.	□ Maintain live perennial vegetation where possible. □ Apply water in sufficient quantity to prevent generation of visible dust.
Clearing forms	C1 Use water spray to clear forms; or C2 Use sweeping and water spray to clear forms; or C3 Use vacuum system to clear forms.	□ Use of high pressure air to clear forms may cause exceedance of Rule requirements.
Crushing	D1 Crushing asbestos containing material is expressly prohibited..	
Cut and fill	E1 Pre-water soils prior to cut and fill activities; and E2 Stabilize soil during and after cut and fill activities.	□ For large sites, pre-water with sprinklers or water trucks and allow time for penetration. □ Use water as necessary to keep dust down.
Demolition – mechanical/manual	F1 Stabilize wind erodible surfaces to reduce dust; and F2 Stabilize surface soil where support equipment and vehicles will operate; and F3 Stabilize loose soil and demolition debris.	□ Apply water in sufficient quantities to prevent the generation of visible dust.
Disturbed soil	G1 Stabilize disturbed soil throughout the construction site; and G2 Stabilize disturbed soil between structures	□ Limit vehicular traffic and disturbances on soils where possible. □ If interior block walls are planned, install as early as possible. □ Apply water or a stabilizing agent in sufficient quantities to prevent the generation of visible dust plumes.

RULE 223-2 TABLE 1
BEST MANAGEMENT PRACTICE FOR ASBESTOS DUST MITIGATION
(Construction And Other Earthmoving Activities)

Source Category	Control Measure	Guidance
Earth-moving activities	H1 Pre-apply water; and H2 Re-apply water as necessary to maintain soils in a damp condition and to ensure that visible emissions do not exceed 25 feet or beyond property line in any direction; and H3 Stabilize soils once earth-moving activities are complete.	Grade each project phase separately, timed to coincide with construction phase. Upwind fencing can prevent material movement on site. Apply water or a stabilizing agent in sufficient quantities to prevent the generation of visible dust plumes. Suspend operations when winds generate visible dust emissions despite control measures
Importing/exporting of bulk materials	I1 Stabilize or adequately wet material while loading to reduce fugitive dust emissions; and I2 Maintain at least six inches of freeboard on haul vehicles traveling off-site; and I3 Stabilize or adequately wet material while transporting to reduce fugitive dust emissions; and I4 Stabilize material while unloading to reduce fugitive dust emissions.	Use tarps or other suitable enclosures on haul trucks. Comply with track-out prevention/ mitigation requirements. Provide water while loading and unloading to reduce visible dust plumes. Maintain trucks and cargo compartments, to prevent any spillage of material. If excavated material is classified as a hazardous waste/material, off-site transport must comply with pertinent State and Federal rules and regulations.
Landscaping	J1 Stabilize soils, materials and slopes.	Apply water to materials to stabilize. Maintain materials in a crusted condition. Maintain effective cover over materials Stabilize sloping surfaces using soil binders until vegetation or ground cover can effectively stabilize the slopes Hydroseed prior to rainy season.
Road shoulder maintenance	K1 Apply water to unpaved shoulders prior to clearing; and K2 Apply chemical dust suppressants and/or other appropriate material in accordance with DOT specifications to maintain a stabilized surface after completing road shoulder maintenance.	Installation of curbing and/or paving of road shoulders can reduce recurring maintenance costs. Use of chemical dust suppressants can inhibit vegetation growth and reduce future road shoulder maintenance costs.
Staging areas	M1 Stabilize staging areas during use; and M2 Stabilize staging area soils at project completion.	Limit size of staging area. Limit vehicle speeds to 15 miles per hour. Limit number and size of staging area entrances/exists.

RULE 223-2 TABLE 1
BEST MANAGEMENT PRACTICE FOR ASBESTOS DUST MITIGATION
(Construction And Other Earthmoving Activities)

Source Category	Control Measure	Guidance
Stockpiles/Bulk Material Handling	N1 Stabilize stockpiled materials. N2 Stockpiles within 100 yards of off-site occupied buildings must not be greater than eight feet in height; or must have a road bladed to the top to allow water truck access or must have an operational water irrigation system that is capable of complete stockpile coverage.	Add or remove material from the downwind portion of the storage pile. Maintain storage piles to avoid slides.
Traffic areas for construction activities	O1 Stabilize or maintain adequate moisture on all off-road traffic and parking areas; and O2 Stabilize or maintain adequate moisture on all haul routes; and O3 Direct construction traffic over established haul routes.	Apply gravel/paving to all haul routes as soon as possible to all future roadway areas. Barriers can be used to ensure vehicles are only used on established parking areas/haul routes.
Trenching	P1 Stabilize surface soils where trencher or excavator and support equipment will operate; and P2 Stabilize soils at the completion of trenching activities.	Pre-watering of soils prior to trenching is an effective preventive measure. Washing mud and soils from equipment at the conclusion of trenching activities can prevent crusting and drying of soil on equipment.
Truck loading	Q1 Material must be adequately wet prior to loading; and Q2 Freeboard must be 6 inches or greater (VCS 23114)	Empty loader bucket such that no visible dust plumes are created. Ensure that the loader bucket is close to the truck to minimize drop height while loading.
Unpaved roads/parking lots	S1 Stabilize soils to meet the applicable performance standards (Surface Crusting); and S2 Limit vehicular travel to established unpaved roads (haul routes) and unpaved parking lots.	Restricting vehicular access to established unpaved travel paths and parking lots can reduce stabilization requirements.

RULE 223-2 TABLE 1
BEST MANAGEMENT PRACTICE FOR ASBESTOS DUST MITIGATION
(Construction And Other Earthmoving Activities)

Source Category	Control Measure	Guidance
Vacant land	T1 In instances where vacant lots are 0.10 acre or larger and have a cumulative area of 500 square feet or more that are driven over and/or used by motor vehicles and/or off-road vehicles, prevent motor vehicle and/or off-road vehicle trespassing, parking and/or access.	Installing barriers, curbs, fences, gates, posts, signs, shrubs, trees or other effective control measures to prevent access to motor or off-road vehicles.
Onsite Disposal of asbestiform containing soils	U1 If possible, place excavated soils into fills constructed elsewhere on the project	Fills with NOA content equal to or greater than 1.0%, or when visually evident fibrous materials likely to be asbestos are present, in residential landscaping areas must be covered by at least 24 inches of clean fill Document location and quantities of fills
Offsite disposal of asbestiform containing soils	V1 Management and disposition of excavated soils transported offsite must be in accordance with federal, state and local regulations.	For excavated soils transported offsite, information per Rule 223-2.6.D.3. must be documented by owner/operator and retained for a period of 3 years.
Post Construction Stabilization of Disturbed Areas	W1 Must be completed no later than 30 days following completion of the project.	Establishment of vegetative cover; or Placement of at least 3 inches of clean fill, Placement of a total of at least 12 inches, or maximum depth of irrigation improvements, whichever is higher, of clean fill in residential landscaping areas with NOA greater than 0.25%; or Paving, Foundations, Retaining Walls; or Other measures as approved by APCO.
Signage	X1 Post Warning Signs at the main entrance to the project for the duration of soil disturbance activities	Signs to be in compliance with current OSHA requirements Proposition 65 (H&S Code 25249.5-25249.13) may apply

RULE 223-2 TABLE 2
BEST MANAGEMENT PRACTICE FOR ASBESTOS DUST MITIGATION
(Bulk Material Handling)

Source Category	**Control Actions**
Handling Of Bulk Materials	A1 When handling bulk materials, apply water or chemical/organic stabilizers/ suppressants;
Storage of Bulk Materials	B1 When storing bulk materials, comply with the conditions for a stabilized surface; or B2 Cover bulk materials stored outdoors with tarps, plastic or other suitable material and anchor in such a manner that prevents the cover from being removed by wind action; or B3 Construct and maintain wind barriers with less than 50% porosity. If utilizing fences or wind barriers, apply water or chemical/organic stabilizers/suppressants; or B4 Utilize a 3-sided structure with a height at least equal to the height of the storage pile and with less than 50% porosity.
On-Site Transporting of Bulk Materials	C1 Limit vehicular speed while traveling on the work site; or C2 Load all haul trucks such that the freeboard is not less than six (6) inches when material is transported across any paved public access road; or C3 Apply water to the top of the load; or C4 Cover haul trucks with a tarp or other suitable cover.
Off-Site Transporting of Bulk Materials	D1 Clean the interior of the cargo compartment or cover the cargo compartment before the empty truck leaves the site; and D2 Material must be adequately wet prior to loading; and D3 Prevent spillage or loss of bulk material from holes or other openings in the cargo compartment's floor, sides and/or tailgate; and D4 Load all haul trucks such that the freeboard is not less than six (6) inches when material is transported on any paved road, and apply water to the top of the load; or cover haul trucks with a tarp or other suitable cover. D5 If excavated material is classified as a hazardous waste/material, off-site transport must comply with pertinent State and Federal rules and regulations.
Outdoor Transport Of Bulk Materials With A Chute Or Conveyor:	E1 Fully enclose the chute or conveyor; or E2 Operate water spray equipment; or E3 Wash separated or screened materials to remove conveyed materials having an aerodynamic diameter of 10 microns or less.

RULE 223-2 TABLE 3
BEST MANAGEMENT PRACTICE FOR ASBESTOS DUST MITIGATION
(Removal and Prevention of Trackout)

Source Category	**Control Actions**
Removal of Trackout Material	A1 Manually wet sweeping and picking-up; or A2 Operating HEPA filter equipped vacuum device; or A3 Flushing with water, where the use of water will not result in adverse impacts on storm water drainage systems or violate any National Pollutant Discharge Elimination System permit program; and A4 The use of blower devices, or dry rotary brushes or dry brooms is expressly prohibited.
Frequency of Trackout Material Removal	B1 Visible trackout must be immediately removed from paved public roads; and B4 On interior paved roads trackout must be removed at least once per workday.
Trackout Prevention for Large Operations or Sites with more than 150 vehicle trips/day.	C1 Installation of grizzlies, or similar devices designed to remove dirt/mud from tires; or C2 Installation of gravel pad; or C3 Paving of interior roads.

RULE 223-2 TABLE 4
BEST MANAGEMENT PRACTICE FOR ASBESTOS DUST MITIGATION
(Blasting Activities)

Source Category	Control Measure	Guidance
Site Preparation (drilling, setting charges, burial of charges)	A1 Reduce dust from drilling operation A2 Pre-wet blast area A3 Cover charges to minimize dust	□ Control rate of drilling □ Apply water fog □ Place blast mats over charges □ Place soil mounds over charges □ Wet entire area prior to blasting
Blasting activities	B1 Dust cannot exceed 25 ft or cross the project property line	□ Conduct blasting on calm days □ Consider wind direction with respect to your property line, nearby residences and other receptors.
Post-Blasting Activities	C1 Follow Best Management Practices for all construction activities (Table 223-2, Table 1)	

RULE 223-2 TABLE 5
DUST CONTROL MEASURES FOR LARGE OPERATIONS

Source Category	Control Actions
Earth-moving (except construction cutting and filling areas, and mining operations)	A1 Maintain soil moisture content at a minimum of 12 percent, as determined by ASTM method D-2216, or other equivalent method approved by the Air Pollution Control Officer. Two soil moisture evaluations must be conducted during the first three hours of active operations during a calendar day, and two such evaluations each subsequent four-hour period of active operations; or A2 For any earth-moving which is more than 25 feet from all property lines, conduct watering as necessary to prevent visible dust emissions from exceeding 25 feet in length in any direction. Visible emissions must not extend beyond property boundary.
Earth-moving: Construction fill areas:	B1 Maintain soil moisture content at a minimum of 12 percent, as determined by ASTM method D-2216, or other equivalent method approved by the Air Pollution Control Officer. For areas which have an optimum moisture content for compaction of less than 12 percent, as determined by ASTM Method 1557 or other equivalent method approved by the Air Pollution Control Officer complete the compaction process as expeditiously as possible after achieving at least 70 percent of the optimum soil moisture content. Two soil moisture evaluations must be conducted during the first three hours of active operations during a calendar day, and two such evaluations during each subsequent four hour period of active operations. B2 For any earth-moving which is more than 25 feet from all property lines, conduct watering as necessary to prevent visible dust emissions from exceeding 25 feet in length in any direction. Visible emissions must not extend beyond property boundary.
Earth-moving: Construction cut areas	C1 Conduct watering as necessary to prevent any visible emissions from extending beyond property boundary.
Disturbed surface areas: (except completed grading areas)	D1 Apply dust suppression in sufficient quantity and frequency to maintain a stabilized surface. Any areas which cannot be stabilized, as evidenced by wind driven fugitive dust must have an application of water at least twice per day to at least 80 percent of the unstabilized area.
Disturbed surface areas: Completed grading areas	E1 Apply chemical stabilizers within five working days of grading completion; or E2 Take actions F1 or F3 specified for inactive disturbed surface areas.

RULE 223-2 TABLE 5
DUST CONTROL MEASURES FOR LARGE OPERATIONS

Source Category	Control Actions
Inactive disturbed surface areas	F1 Apply water to at least 80 percent of all inactive disturbed surface areas on a daily basis when there is evidence of wind driven fugitive dust, excluding any areas which are inaccessible to watering vehicles due to excessive slope or other safety conditions; or F2 Apply dust suppressants in sufficient quantity and frequency to maintain a stabilized surface; or F3 Establish a vegetative ground cover within 21 days after active operations have ceased. Ground cover must be of sufficient density to expose less than 30 percent of unstabilized ground within 90 days of planting, and at all times thereafter; or F4 Utilize any combination of control actions F1, F2 and F3 such that, in total, these actions apply to all inactive disturbed surface areas. F5 Establishment and maintenance of surface crusting sufficient to satisfy the test in Section 223-2.10.C F6 Approved mixture of tackifier and fiber mulch, applied per manufacturer's recommendation.
Unpaved Roads	G1 Water all roads used for any vehicular traffic at least once per every two hours of active operations or as often as necessary; or G2 Apply a chemical stabilizer to all unpaved road surfaces in sufficient quantity and frequency to maintain a stabilized surface; and G3 Restrict vehicle speeds to 15 miles per hour;
Open storage piles	H1 Apply chemical stabilizers; or H2 Apply water to at least 80 percent of the surface area of all open storage piles on a daily basis when there is evidence of wind driven fugitive dust; or H3 Install temporary coverings; or H4 Install a three-sided enclosure with walls with no more than 50 percent porosity which extend, at a minimum, to the top of the pile. This option may only be used at aggregate-related plants or at cement manufacturing facilities.
All Categories	I1 Any other control measures approved by the Air Pollution Control Officer as equivalent to the methods specified in Table 5 may be used.

RULE 223-2 TABLE 6
CONTINGENCY DUST CONTROL MEASURES FOR LARGE OPERATIONS

Source Category	Control Actions
Earth-moving	A1 Cease all active operations except for dust mitigation activities; or A2 Apply water to soil not more than 15 minutes prior to moving such soil; and A3 Apply water during soil moving or disturbance operations.
Disturbed surface areas	B1 On the last day of active operations prior to a weekend, holiday or any other period when active operations will not occur for not more than four consecutive days: apply water with a mixture of chemical stabilizer diluted to not less than 1/20 of the concentration required to maintain a stabilized surface for a period of six months; or B2 Apply chemical stabilizers prior to wind event; or B3 Apply water to all unstabilized disturbed areas 3 times per day. If there is any evidence of wind driven fugitive dust, watering frequency is increased to a minimum of four times per day; or B4 Take the actions specified in Table 5, control action F3; or B5 Utilize any combination of control actions B1, B2 and B3B such that, in total, these actions apply to all disturbed surface areas.
Unpaved roads	C1 Apply chemical stabilizers prior to wind event; or C2 Apply water twice per hour during active operation; or C3 Stop all vehicular traffic, except for dust mitigation equipment.
Open storage piles	D1 Apply water twice per hour; or D2 Install temporary coverings.
Bulk Material Transport	E1 Cover all haul vehicles; or E2 Freeboard must be 6 inches or greater (VCS 23114)
All Categories	F1 Any other control measures approved by the Air Pollution Control Officer as equivalent to the methods specified in Table 6 may be used.

Appendix E
Plant Species

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Appendix E
Plant Species

Plant Species Observed at the Lime Rock Valley Project Site June 21, 22, September 27, 28, 2012, March 4 and 5, May 13, 2013

FAMILY/Species Name – Scientific	FAMILY/Common Name	Native
FERNS and FERN ALLIES		
POLYPODIACEAE	POLYPODY FAMILY	
Polypodium californicum	California polypody	yes
PTERIDACEAE	BRAKE FAMILY	
Pentagramma triangularis	Gold-back fern	yes
GYMNOSPERMS		
CUPRESSACEAE	CYPRESS FAMILY	
Calocedrus decurrens	Incense cedar	yes
PINACEAE	PINE FAMILY	
Pinus sabiniana	Foothill pine	yes
EUDICOTS		
ADOXACEAE	MUSKROOT	
Sambucus nigra subs. canadensis	Blue elderberry	yes
ANACARDIACEAE	SUMAC/CASHEW	
Toxicodendron diversilobum	Poison oak	yes
APIACEAE	CARROT	
Perideridia sp.	Yampa	yes
Scandix pecten-veneris	Shepherd's needle	no
Sanicula bipinnatifida	Purple sanicle	yes
Sanicula crassicaulis	Wood sanicle	yes
Tauschia hartwegii	Tauschia	yes
Torilis arvensis	Torilis	no*
APOCYNACEAE	DOGBANE FAMILY	
Vinca major	Periwinkle	no*
ASTERACEAE	SUNFLOWER FAMILY	
Achillea millefolium	Yarrow	yes
Agoseris sp.	Dandelion	yes
Artemisia douglasiana	Mugwort	yes
Baccharis pilularis	Coyote brush	yes

FAMILY/Species Name – Scientific	FAMILY/Common Name	Native
Carduus pycnocephalus	Italian thistle	no*
Centaurea melitensis	Tocalote	no*
Centaurea solstitialis	Yellow star-thistle	no*
Centaurea stoebe subsp. micranthos	Spotted knapweed	no*
Cichorium intybus	Chicory	no
Cirsium vulgare	Bull thistle	no*
Dittrichia graveolens	Stinkwort	no*
Ericameria arborescens	Golden fleece	yes
Grindelia camporum (var. *camporum*)	Great Valley gumplant	yes
Holocarpha virgata	Pitgland tarweed	yes
Hypochaeris glabra	Smooth cat's ear	no*
Lactuca serriola	Prickly lettuce	no
Leontodon saxatilis	Hawkbit	no
Logfia gallica	Narrowleaf cottonrose	no
Packera layneae	Layne's ragwort [butterweed]	yes
Pseudognaphalium californicum	California cudweed	yes
Pseudognaphalium canescens	Wright's cudweed	yes
Psilocarphus sp.	Woollyheads	yes
Senecio vulgaris	Common groundsel	no
Silybum marianum	Milk thistle	no*
Tragopogon porrifolius	Salsify	no
Wyethia glabra	Shining mule ears	yes
BORAGINACEAE	BORAGE FAMILY	
Amsinckia menziesii	Menzies' fiddleneck	yes
Eriodictyon californicum	California yerba santa	yes
Nemophila sp.	Nemophila	yes
Plagiobothrys nothofulvus	Rusty popcornflower	yes
Plagiobothrys sp.	Popcornflower	yes
BRASSICACEAE	MUSTARD FAMILY	
Capsella bursa-pastoris	Shepherd's purse	no
Draba verna	Vernal whitlow grass	yes
Hirschfeldia incana	Shortpod mustard	no*
Nasturtium officinale	Small-leaved watercress	yes
CAPRIFOLIACEAE	HONEYSUCKLE FAMILY	
Lonicera hispidula	Honeysuckle	yes
Symphoricarpos albus var. *laevigatus*	Snowberry	yes
CARYOPHYLLACEAE	PINK FAMILY	
Cerastium arvense	Field chickweed	yes
Cerastium glomeratum	Mouse-eared chickweed	no

FAMILY/Species Name – Scientific	FAMILY/Common Name	Native
CISTACEAE		
Crocanthemum suffrutescens (synonym = *Helianthemum suffrutescens*)	Bisbee Peak rush-rose	yes
CRASSULACEAE	STONECROP	
Crassula aquatica	Water pygmyweed	yes
Crassula connata	Sand pygmyweed	yes
ERICACEAE	HEATH FAMILY	
Arctostaphylos manzanita subsp. *manzanita*	Whiteleaf manzanita	yes
Arctostaphylos patula	Greenleaf manzanita	yes
Arctostaphylos viscida subsp. *viscida*	Sticky whiteleaf manzanita	yes
EUPHORBIACEAE	SPURGE FAMILY	
Croton setigerus	Doveweed	yes
Euphorbia sp.	Euphorbia	no
FABACEAE	LEGUME FAMILY	
Acmispon parviflorus	Hill lotus	yes
Acmispon glaber	Deerweed	yes
Lotus corniculatus	Bird's-foot trefoil	no
Lupinus bicolor	Miniature lupine	yes
Medicago arabica	Spotted medic	no
Trifolium hirtum	Rose clover	no*
Vicia sativa	Spring vetch	no
Vicia villosa	Hairy vetch	no
FAGACEAE	OAK FAMILY	
Quercus berberidifolia	Scrub oak	yes
Quercus chrysolepis	Canyon live oak	yes
Quercus douglasii	Blue oak	yes
Quercus kelloggii	California black oak	yes
Quercus lobata	Valley oak	yes
GENTIANACEAE		
Zeltnera muehlenbergii	Muehlenberg's centaury	yes
GERANIACEAE	GERANIUM FAMILY	
Erodium botrys	Long beaked filaree	no
Erodium cicutarium	Redstem filaree	no*
Erodium moschatum	White-stem filaree	no
Geranium dissectum	Cutleaf geranium	no*
Geranium molle	Woodland geranium	no

FAMILY/Species Name – Scientific	FAMILY/Common Name	Native
HYPERICACEAE		
Hypericum concinnum	Goldwire	yes
Hypericum perforatum	Klamath weed	no*
LAMIACEAE	MINT FAMILY	
Lamium amplexicaule	Henbit deadnettle	no
Lepechinia calycina	White pitcher sage	yes
Marrubium vulgare	Horehound	no*
Mentha pulegium	Pennyroyal	no*
Monardella sp.	Coyote mint	yes
Salvia sonomensis	Creeping sage	yes
Scutellaria tuberosa	Skullcap	yes
Trichostema sp.	Bluecurls	yes
LINACEAE	FLAX	
Linum usitatissimum	Common flax	no
LYTHRACEAE	LOOSETRIFE	
Lythrum hyssopifolia	Hyssop loosestrife	no*
MALVACEAE	MALLOW FAMILY	
Sidalcea sp.	Checkerbloom	yes
MONTIACEAE	PURSLANE FAMILY	
Claytonia perfoliata	Miner’s lettuce	yes
MORACEAE		
Ficus carica	Edible fig	no*
OROBANCHACEAE		
Orobanche bulbosa	Chaparral broomrape	yes
PHRYMACEAE		
Mimulus aurantiacus	Bush monkeyflower	yes
Mimulus guttatus	Monkeyflower	yes
Mimulus viscidus	Viscid monkeyflower	yes
PLANTAGINACEAE	PLANTIAN FAMILY	
Plantago lanceolata	English plantain	no*
Veronica persica	Bird's eyes speedwell	no
POLYGALACEAE	MILKWORT FAMILY	
Polygala cornuta	Sierra milkwort	yes

FAMILY/Species Name – Scientific	FAMILY/Common Name	Native
POLYGONACAE	BUCKWHEAT FAMILY	
Chorizanthe polygonoides	Knotweed spineflower	yes
Rumex conglomeratus	Green dock	no
Rumex crispus	Curly dock	no*
RANUNCULACEAE	BUTTERCUP FAMILY	
Ranunculus muricatus	Spinyfruit buttercup	no
Thalictrum fendleri	Meadow rue	yes
RHAMNACEAE	BUCKTHORN FAMILY	
Ceanothus cuneatus	Buckbrush	yes
Rhamnus ilicifolia	Hollyleaf redberry	yes
ROSACEAE	ROSE FAMILY	
Adenostoma fasciculatum	Chamise	yes
Aphanes occidentalis	Lady's mantle	yes
Heteromeles arbutiflora	Toyon	yes
Horkelia californica	California horkelia	yes
Prunus cerasifera	Wild plum	no*
Pyracantha angustifolia	Firethorn	no*
Rubus armeniacus	Himalayan blackberry	no*
RUBIACEAE	MADDER FAMILY	
Galium aparine	Goose grass	yes
Galium californicum	California bedstraw	yes
Galium californicum ssp. *californicum*	California bedstraw	yes
Galium murale	Tiny bedstraw	no
Galium parisiense	Wall bedstraw	no
Galium porrigens	Climbing bedstraw	yes
SAXIFRAGACEAE	SAXIFRAGE FAMILY	
Micranthes californica	Greene’s saxifrage	yes
SALICACEAE	WILLOW FAMILY	
Salix exigua	Sandbar willow	yes
Salix lasiolepis	Arroyo willow	yes
SAPINDACEAE	BUCKEYE FAMILY	
Aesculus californica	California buckeye	yes
SCROPHULARIACEAE	FIGWORT FAMILY	
Scrophularia californica	Bee plant	yes
Verbascum blattaria	Moth mullein	no
Verbascum thapsus	Wooly mullein	no*

FAMILY/Species Name – Scientific	FAMILY/Common Name	Native
VIOLACEAE		
Viola sp.	Violet	yes
VISCACEAE		
Arceuthobium campylopodum	Golden mistletoe	yes
Phoradendron villosum	Pacific mistletoe	yes
VITACEAE		
Vitis californica	California grape	yes
MONOCOTS		
AGAVACEAE		
Chlorogalum pomeridianum	Soap plant	yes
ALISMATACEAE	WATER PLANTAIN	
Alisma triviale	Western water-plantain	yes
AMARYLLIDACEAE		
Narcissus pseudo-narcissus	Daffodil	no
CYPERACEAE	SEDGE FAMILY	
Eleocharis sp.	Spike rush	yes
HYDROPCHARITACEAE	WATERWEED FAMILY	
Najas guadalupensis	Common water nymph	yes
IRIDACEAE	IRIS FAMILY	
Sisyrinchium bellum	Blue-eyed grass	yes
JUNCACEAE	RUSH FAMILY	
Juncus xiphioides	Iris leaf rush	yes
Luzula comosa	Wood rush	yes
LILIACEAE	LILY FAMILY	
Erythronium multiscapoideum	Sierra fawn lily	yes
POACEAE	GRASS FAMILY	
Agoseris sp.	Dandelion	yes
Aira caryophyllea	Silver hairgrass	no
Avena barbata	Slender wild oat	no*
Bromus diandrus	Ripgut brome	no*
Bromus hordeaceus	Soft cheatgrass	no*
Bromus madritensis	Foxtail chess	no*

FAMILY/Species Name – Scientific	FAMILY/Common Name	Native
Cynodon dactylon	Bermuda Grass	no*
Cynosurus echinatus	Dogtail grass	no*
Dactylis glomerata	Orchard grass	no*
Elymus caput-medusae	Medusa head	no*
Elymus glaucus	Blue wildrye	yes
Festuca perennis	Italian ryegrass	no*
Gastridium phleoides	Nitgrass	no
Hordeum brachyantherum	Meadow barley	yes
Hordeum marinum	Mediterranean barley	no*
Phalaris aquatica	Harding grass	no*
Polypogon monspeliensis	Rabbit's-foot grass	no*

* Indicates species is on Cal-IPC (2006) and/or CDFA (2013) invasive species list.

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Appendix F

Important Habitat Mitigation Plan

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BIOLOGICAL RESOURCES STUDY AND IMPORTANT HABITAT MITIGATION PROGRAM

LIME ROCK VALLEY SPECIFIC PLAN

EL DORADO COUNTY, CALIFORNIA

LSA

May 2014

BIOLOGICAL RESOURCES STUDY AND IMPORTANT HABITAT MITIGATION PROGRAM

LIME ROCK VALLEY SPECIFIC PLAN

EL DORADO COUNTY, CALIFORNIA

Submitted to:

G3 Enterprises, Inc.
502 E Whitemore Avenue
Modesto, California 95358

Prepared by:

LSA Associates, Inc.
157 Park Place
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Project No. GGG1202

LSA

May 2014

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1.0 INTRODUCTION

At the request of the G3 Enterprises, Inc. LSA Associates (LSA) conducted a Biological Resources Study and created an Important Habitat Mitigation Plan to address oak tree impacts and proposed mitigation for the Lime Rock Valley Specific Plan (LRVSP) Project. The 740-acre LRVSP is part of a proposed regional community plan for properties within the El Dorado Hills and Cameron Park communities in the El Dorado Hills area within El Dorado County, California.

1.1 PROJECT LOCATION

The Project is located south of U.S. Highway 50, between the Cambridge Road and Cameron Park interchanges, on the eastern edge of the unincorporated community of El Dorado Hills. The Project is bounded on the north by Cameron Estates, on the east by the Sacramento-Placerville Transportation Corridor, on the south by Royal Equestrian Estates and on the west by the proposed Village of Marble Valley and the E.I.D. Deer Creek Wastewater Treatment Plant (Figures 1 and 2).

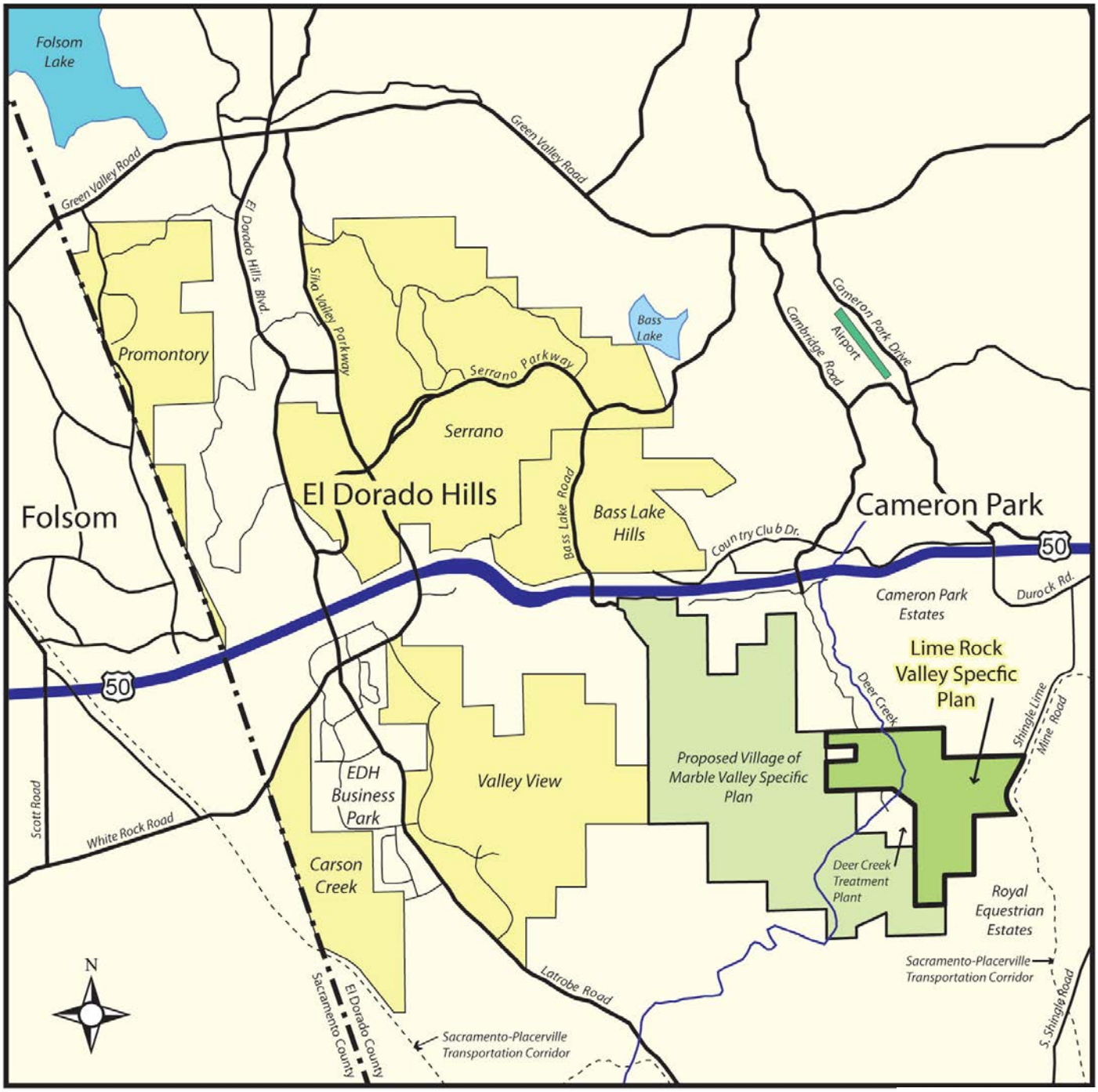
The proposed Development includes 800 dwelling units of low and medium density residential (0.2-8.0 dwelling units per acre) on approximately 360 acres, an 8-acre neighborhood park with recreational amenities, and about 333 acres of public and private open space. The balance of the area, about 39 acres, would comprise roads and rights-of-way. About 45 percent of the site (approximately 333 acres) would be designated as Open Space, with an extensive network of trails interconnecting the proposed land uses (Figure 3).

1.2 EL DORADO COUNTY OAK WOODLAND MITIGATION REQUIREMENTS

Objective 7.4.4 of the El Dorado County General Plan (General Plan) protects Forest and Oak Woodland Resources.

Policy 7.4.4.4 of the General Plan specifies that for new projects that would result in soil disturbance on parcels that are over one acre in size and have at least 1 percent oak woodland canopy cover, two mitigation options are available: Option A) the project shall adhere to the tree canopy retention and replacement standards presented in this policy; or Option B) the project shall contribute to El Dorado County's (County) Integrated Natural Resources Management Plan (INRMP) conservation fund. The use of the Option B fund is not currently available and the applicant for the LRVSP Project is required to follow Option A.

Option A specifies tree canopy retention standards based on the percentage of existing tree canopy present within the Project site. These are as follows:



G3 Enterprises

Figure 1 - Project Location



G3 Enterprises

Figure 2 – Project Vicinity

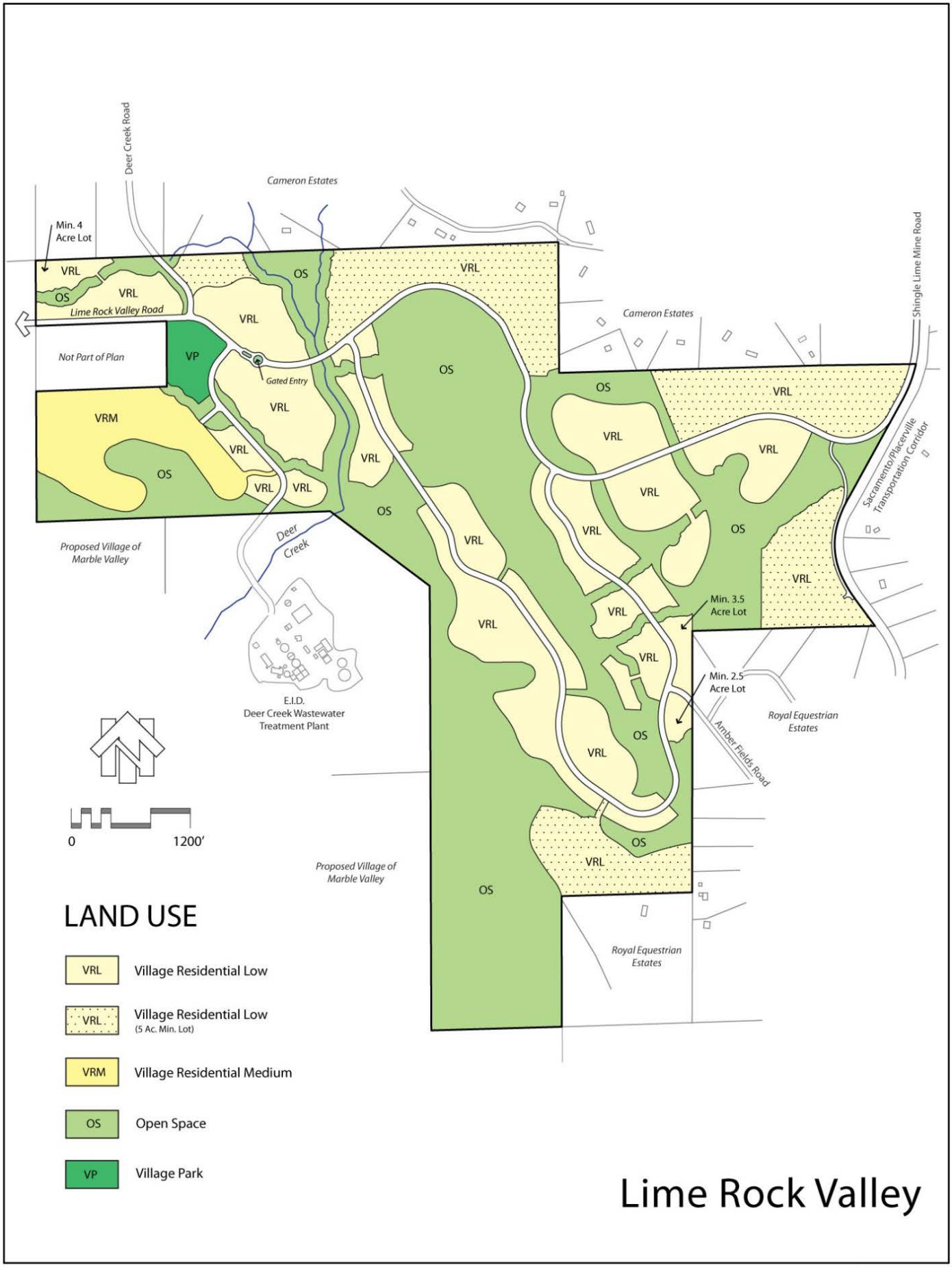


Figure 3 – Land Use Plan

Percentage Existing Canopy Cover	Canopy Cover to be Retained
80-100	60% of existing canopy
60-79	70% of existing canopy
40-59	80% of existing canopy
20-39	85% of existing canopy
10-19	90% of existing canopy
1-9 for parcels > 1 acre	90% of existing canopy

This policy requires that the applicant replace removed oak woodland habitat at a 1:1 ratio (canopy cover removed:canopy cover replaced). The LRVSP site has a total oak woodland canopy cover of 246.6 acres or 34 percent of the site which under this policy requires retention of 85 percent (209.6 ac.) of this canopy cover. Up to 37 acres could be removed.

Option A requires the preparation of a Biological Resources Study and Important Habitat Mitigation Plan, which addresses oak woodland habitat impacts and mitigation. This document addresses both of these requirements.

The Biological Resources Study (Study) portion of this document covers the following:

- Documents the existing oak woodland and oak canopy habitat with the Project;
- Presents proposed impacts to oak canopy with the current proposed land use plan;
- Compares pre- and post-Development canopy cover;
- Discusses the relative importance of the LRVSP oak woodland and oak canopy as habitat for regionally occurring wildlife species and as wildlife corridors; and
- Discusses Project-related impacts on the remaining oak canopy.

The Important Habitat Mitigation Plan (Plan) portion of this document covers the following:

- How the LRVSP will conform to the requirements of General Plan Policy 7.4.4.4 Option A;
- Project avoidance, minimization, and/or compensation for impacts on important oak woodland habitats;
- Recommendations for tree protection during development; and
- Mitigation planting, monitoring, and reporting.

2.0 BIOLOGICAL RESOURCES STUDY

This Study identifies the existing oak woodland and oak canopy resources within the Project. A biological resource survey was conducted on the site, in 2012 and 2013 by LSA, and identified a total oak canopy on the project site of 246.6 acres.

2.1 OAK WOODLAND HABITAT RESOURCES

2.1.1 Vegetation Communities

Vegetation Communities Mapping Methods. Vegetation Communities were mapped based on aerial photo interpretation and field surveys performed by LSA in 2012 and 2013. The vegetation community classification was based on the classification systems presented in Sawyer, Keeler-Wolf and Evens (2009).

Vegetation Communities Mapping Results. Five vegetation communities were mapped within the LRVSP area (Figure 4): annual grassland, oak woodland, whiteleaf manzanita chaparral, valley-foothill riparian woodland and ruderal. The following provides information on the site's oak woodlands.

Oak Woodland. The oak woodland community on the site consists of mixed stands of blue oak and canyon live oak, with scattered valley oak and black oaks. The total area of oak canopy on the site is 246.6 acres. The majority of the blue oak woodland is located on the slopes of the eastern half of the property. Here, the canopy density of blue oak varies such that it ranges from closed canopy with a mixed species assemblage in the understory to a savanna like setting where oaks are scattered throughout the annual grassland. Trees associated with the closed canopy oak woodland community include madrone (*Arbutus menziesii),* foothill pine (*Pinus sabiniana),* interior live oak (*Quercus wislizeni),* blue oak (*Quercus douglasii),* black oak (*Quercus kelloggii),* and canyon live oak (*Quercus chrysolepis).* The understory is dominated by annual grassland species but other species frequently occur including common manzanita (*Arctostaphylos manzanita* subsp. *manzanita*), soap plant (*Chlorogalum pomeridianum* var. *pomeridianum*), miner's lettuce (*Claytonia perfoliata*), poison oak (*Toxicodendron diversilobum*), and Pacific sanicle (*Sanicula crassicaulis*). On occasion this community also intergrades with nearby white leaf manzanita chaparral where associated species include chamise (*Adenostoma fasciculatum),* white leaf manzanita (*Arctostaphylos viscida*), buck brush (*Ceanothus cuneatus)* deerbrush (*C. integerrimus*), and wild rose (*Rosa californica).*

Wildlife expected to use the oak woodlands with an open grass understory (savanna) include several reptile species, such as the western fence lizard (*Sceloporus occidentalis*), southern alligator lizard (*Elgaria multicarinata*), Pacific gopher snake (*Pituophis catenifer*), and Pacific rattlesnake (*Crotalus oreganus*). Birds observed include turkey vulture (*Cathartes aura*), red-tailed hawk (*Buteo jamaicensis*), wild turkey (*Meleagris gallopavo*), mourning dove (*Zenaida*

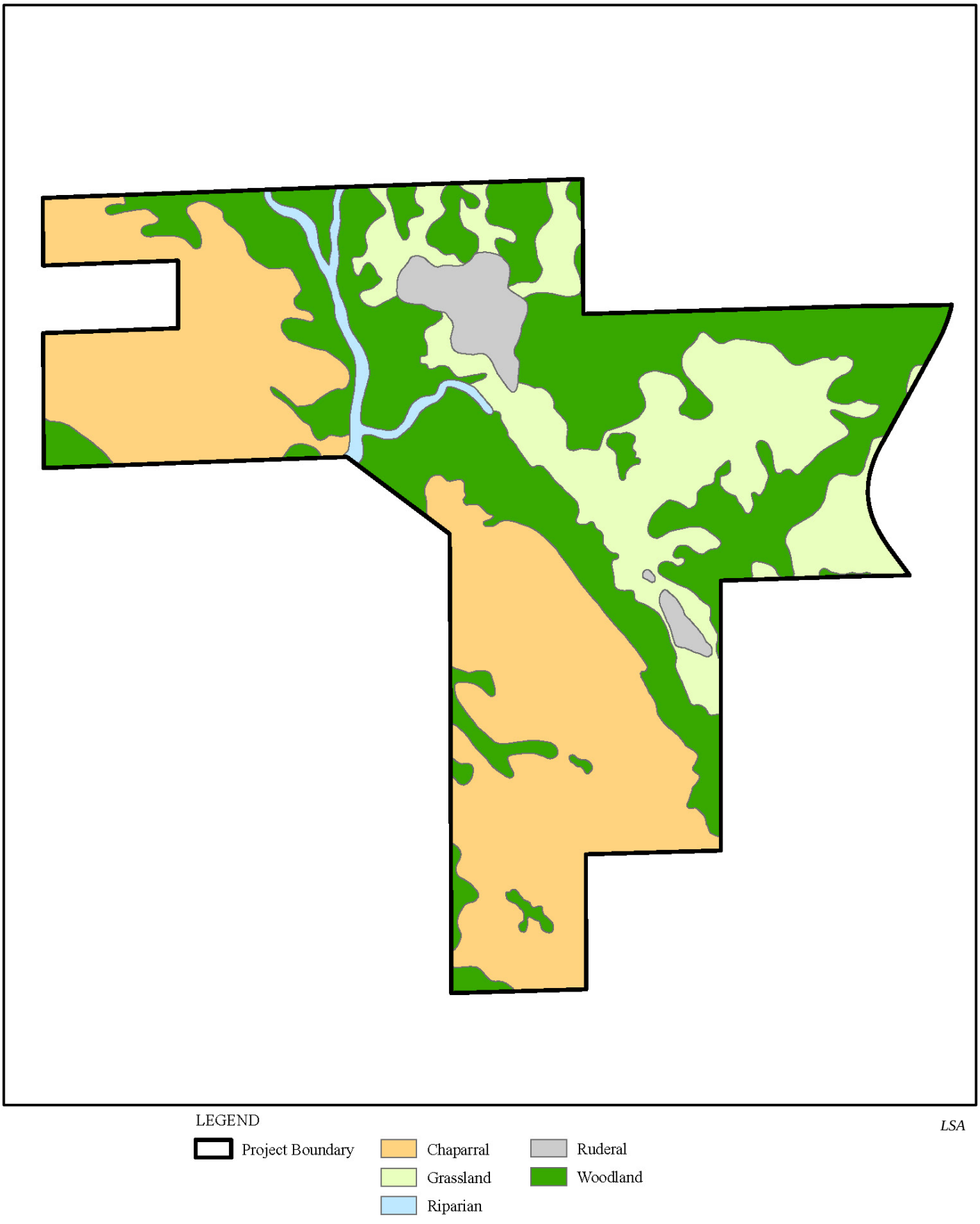


Figure 4 – Vegetation Communities

macroura), and white-crowned sparrow (*Zonotrichia leucophrys*). Common mammals include Botta's pocket gopher (*Thomomys bottae*), California meadow vole (*Microtus californicus*) and black tailed deer (*Odocoileus hemionus*) were observed on the site. Carnivorous mammals expected to occur in this habitat include the coyote (*Canis latrans*), gray fox (*Urocyon cinereoargenteus*), mountain lion (*Felis concolor*) and bobcat (*Lynx rufus*).

A variety of other wildlife species use oak woodlands with greater tree cover. Fallen logs, bark, and leaf litter provide habitat for additional amphibian and reptile species such as California slender salamander (*Batrachoseps attenuatus*), arboreal salamander (*Ensatina eschscholtzii*), and ring-neck snake (*Diadophis punctatus*). The abundant oak trees, both living and dead, provide nest sites for cavity-nesting bird species such as acorn woodpecker (*Melanerpes formicivorus*), Nuttall's woodpecker (Picoides nuttallii), violet-green swallow (*Tachycineta thalassina*), oak titmouse (*Baeolophus inornatus*), white-breasted nuthatch (*Sitta carolinensis*), and western bluebird (*Sialia mexicana*). In addition to the mammal species expected to occur in savanna like areas, oak woodlands also likely support western gray squirrel (*Sciurus griseus*).

2.1.2 Oak Canopy

Oak Canopy Mapping Methods. Oak Canopy was mapped using aerial photography to delineate the oak canopy polygons and ground truthing to confirm polygon boundaries and species identification. These techniques mapped the location and canopy area of native oak trees and other woody vegetation on the project site.

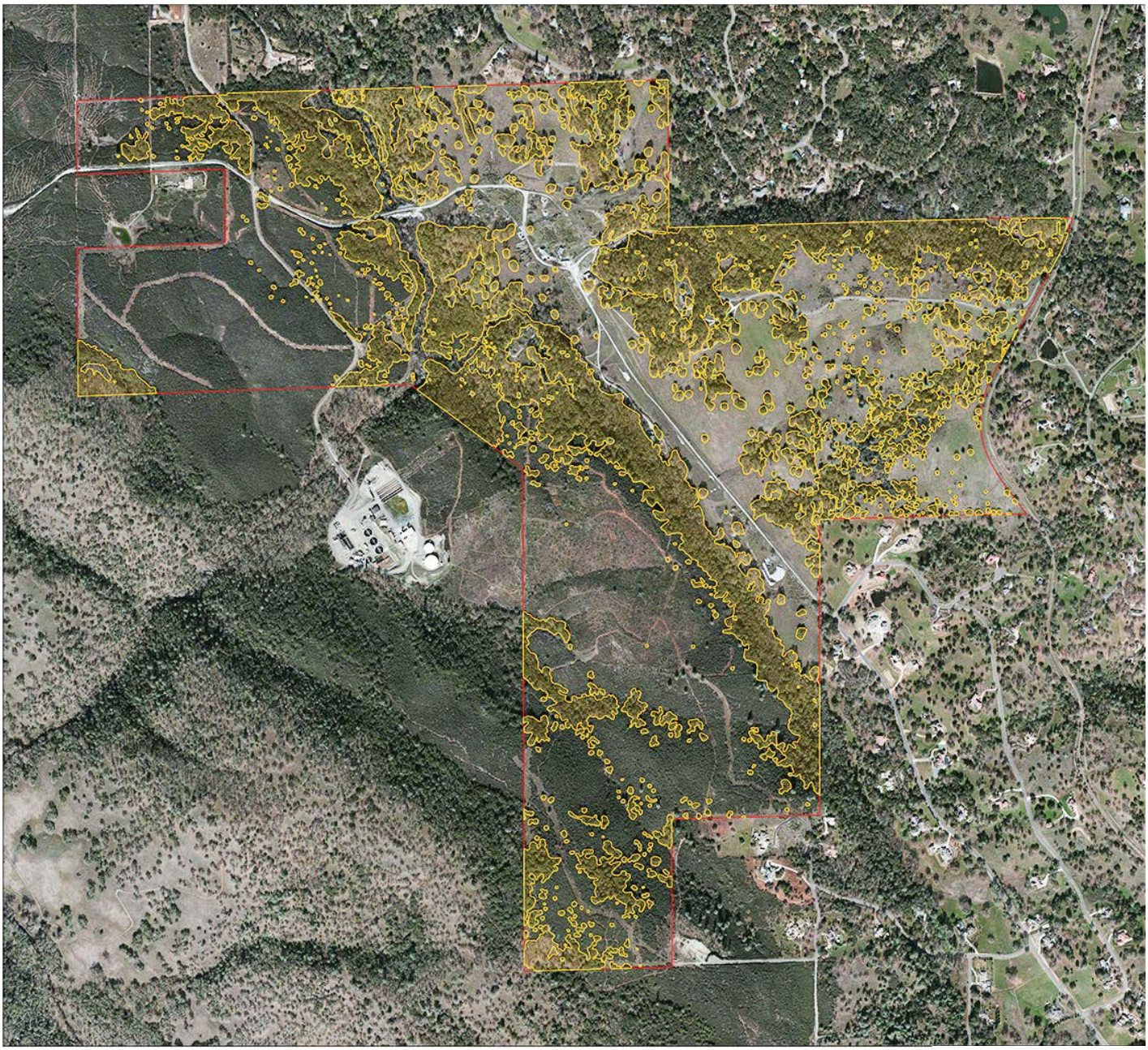
Oak Canopy Mapping Results. The amount of oak woodland canopy on the 740-acre LRVSP, totals 246.6 acres (Figure 5). Oak Canopy comprises 34 percent of the total plant cover on the project site.

2.2 IMPACT ANALYSIS

2.2.1 Oak Canopy Impacts

The proposed LRVSP development footprint includes 121.8 acres of oak canopy, 49 percent of the total 246.6 acres of oak canopy on the site. As described earlier under the County's General Plan Policy 7.4.4.4, the project is required to preserve 85 percent of the site's oak canopy and could impact up to 15 percent (37 acres). The project is preserving 124.8 acres of oak canopy within open space areas. The project will preserve 84.8 acres or more of oak canopy within the proposed development footprint in order to meet this criterion.

Avoidance measures have been incorporated into the various project design elements in order to impact no more than the allowed 15 percent (37 acres) of oak canopy, thereby meeting the requirements of this policy. Depending on the project element within the development footprint (e.g., road, residential lot, park), it is estimated that a certain percentage of oak canopy within each of the proposed land use categories will be retained. The following list includes the proposed land use categories and the target oak canopy retention rates determined for them:



LSA

Figure 5 – Oak Tree Canopy

Target Oak Retention Rate	Land Use Category/Project Element Types
100%	Open Space, Village Park
96%	Residential (5-acre Lots)
90%	Residential (1-acre Lots)
75%	Residential (R10 and R15 Lots)
55%	R15 where Oak Canopy exceeds 15%
0%	Residential (R4 and R6), Roads

Table 1 summarizes the total oak canopy acreage, target retention rate, and impact acreage for different project element types based on the proposed retention rates. Actual retention rates may vary for each of the proposed project elements as development of the Specific Plan progresses, but will not exceed the maximum impact acreage allowed under Option A (37 acres) of Policy 7.4.4.4. If the County amends its oak woodlands retention regulations in the future, prior to project approval, the retention rates contained in this document may be modified.

Table 1: Summary of Approximate Oak Canopy Retention in Project Area

Project Element	**Retention Percentage**	**Total Canopy Acreage**	**Proposed Impact Acreage**
Roads	0%	10.9	10.9
Village Residential Medium (R4-PD)	0%	0.1	0.1
Village Residential Low (R6-PD)	0%	4.6	4.6
Village Residential Low (R15-PD) **Existing canopy greater than 15%*	55%	32	14.2
Village Residential Low (R10-PD)	75%	6.3	1.6
Village Residential Low (R15-PD)	75%	11.2	2.8
Village Residential Low (R1A-PD)	90%	7.9	0.8
Village Residential Low (R5A-PD)	96%	49.1	2.0
Village Park (R15-PD (VP))	100%	0.3	0.0
Open Space (OS1-PD, OS2-PD)	100%	124.2	0.0
TOTAL		**246.6**	**37.0**

After incorporating these retention rates to the oak canopy impact acreages, total project related impact to oak canopy is 37 acres, preserving 209.6 acres which complies with the canopy retention rates stipulated by General Plan Policy 7.4.4.4.

2.3 OAK WOODLAND CORRIDORS

2.3.1 Impacts to Oak Woodland and Corridors within the Lime Rock Valley Specific Plan

The proposed LRVSP project will impact 37 acres (15%) of oak canopy within the Project area. The Project has been designed to avoid large tracts of unfragmented oak woodland and chaparral habitat and preserve wildlife corridors including the entire length of Deer Creek and its associated riparian vegetation on the site. These areas will remain undeveloped to protect habitat for the many wildlife species present and provide the opportunity for wildlife to move freely to adjacent areas. In addition to these larger tracts of undisturbed habitat which also function as corridors, smaller wildlife corridors connect areas of project open space. Along the majority of the northern, eastern and southern edges of the Project site, 5-acre residential estates are proposed. These lots will allow for additional unconstrained wildlife movement to adjacent lands (Figure 6).

The southwestern portion of the Plan Area is a large area of open space that is contiguous with proposed public Open Space on the Villages of Marble Valley project which allows for unimpeded wildlife movement between the two properties.

2.3.2 Post-construction Oak Woodlands

At project completion the project site will continue to contain large areas of oak woodland that are of sufficient size, with adequate connections to adjacent lands, to maintain the quality of the oak woodland habitat and the wildlife it supports. There will be an overall reduction in the amount of available habitat due to the development of natural lands.

As part of project mitigation, oak plantings will occur within identified locations within the Open Space areas and low density residential areas. In addition to the required oak canopy replacement plantings, oaks will be used as landscape species within the development footprint. These trees will provide additional habitat for oak associated wildlife species and additional oak canopy.

2.4 CONCLUSIONS

The LRVSP has been designed to comply with the County's oak retention and replacement standards. Preserved oak woodlands will be protected in an open space network that comprises more than 45 percent of the plan area. The plan also results in the preservation of oak woodland within the development footprint. The project impacts up to 15 percent of the existing oak canopy, preserving intact large stands of mature oak woodlands. Preserved oak woodland habitat is connected by corridors to allow for wildlife movement. The large, intact woodlands will continue to provide suitable habitat for wildlife species that require larger tracts of undisturbed habitat.

The project will mitigate for oak canopy loss by planting new oak trees within on-site open space and low density residential areas. Mitigation measures are discussed in more detail in Section 3.0. Oak plantings as part of project landscaping will provide additional habitat, especially for birds that will use these trees as nesting and/or foraging habitats.



Figure 6 – Wildlife Corridors

3.0 IMPORTANT HABITAT MITIGATION PLAN

This Plan identifies the Mitigation Measures/Best Management Practices that will be used by the Project to avoid or minimize impacts to oak tree resources. It also presents the necessary mitigation measures for oak tree replacement that is required by General Plan policy 7.4.4.4, Option A. Under this policy the project can remove up to 37 acres of oak canopy and is required to replace the amount of canopy removed on a 1:1 basis. All oak canopy replacement will occur on-site.

3.1 POTENTIAL ON-SITE OAK MITIGATION ASSESSMENT

The entire project site was evaluated for the potential for on-site oak planting. This evaluation included overlaying on aerial photos the 740-acre LRVSP area with the current land use plan (Figure 2) and Natural Resources Conservation Service (NRCS) soil map units (Figure 7). This was done to determine the amount of existing grassland/savanna areas that were underlain by soil types suitable for oak establishment that were either in areas proposed as project open space or low density residential.

Field surveys to verify the amount of oak canopy and determine the suitability of potential oak mitigation areas were conducted on September 27 and 28, 2012. As a result of this process 75.5 acres were identified as suitable oak planting areas (Figure 8).

3.2 AVOIDANCE AND MINIMIZATION MEASURES

3.2.1 Conservation Measures

The following measures have been followed in the preparation of the Specific Plan design to minimize impacts to oak woodland habitat.

- No more than 15% (37 acres) of oak woodland canopy will be impacted during Project development.
- 333 acres of Open Space will protect biological resources on and adjacent to the site. This will be accomplished by protecting large blocks of open space, connecting open space areas with viable corridors and locating open space contiguous to Marble Valley open space providing a regionally important open space network.
- The Project has been designed to cluster development to reduce habitat fragmentation.
- Construction activities will be timed to avoid critical time periods for fish and wildlife. When necessary preconstruction surveys will be conducted and avoidance measures implemented to avoid construction impacts to important wildlife resources.
- Where possible, infrastructure elements such as bridges, roads, utilities, and pipelines will be placed within previously disturbed locations to limit disturbance.

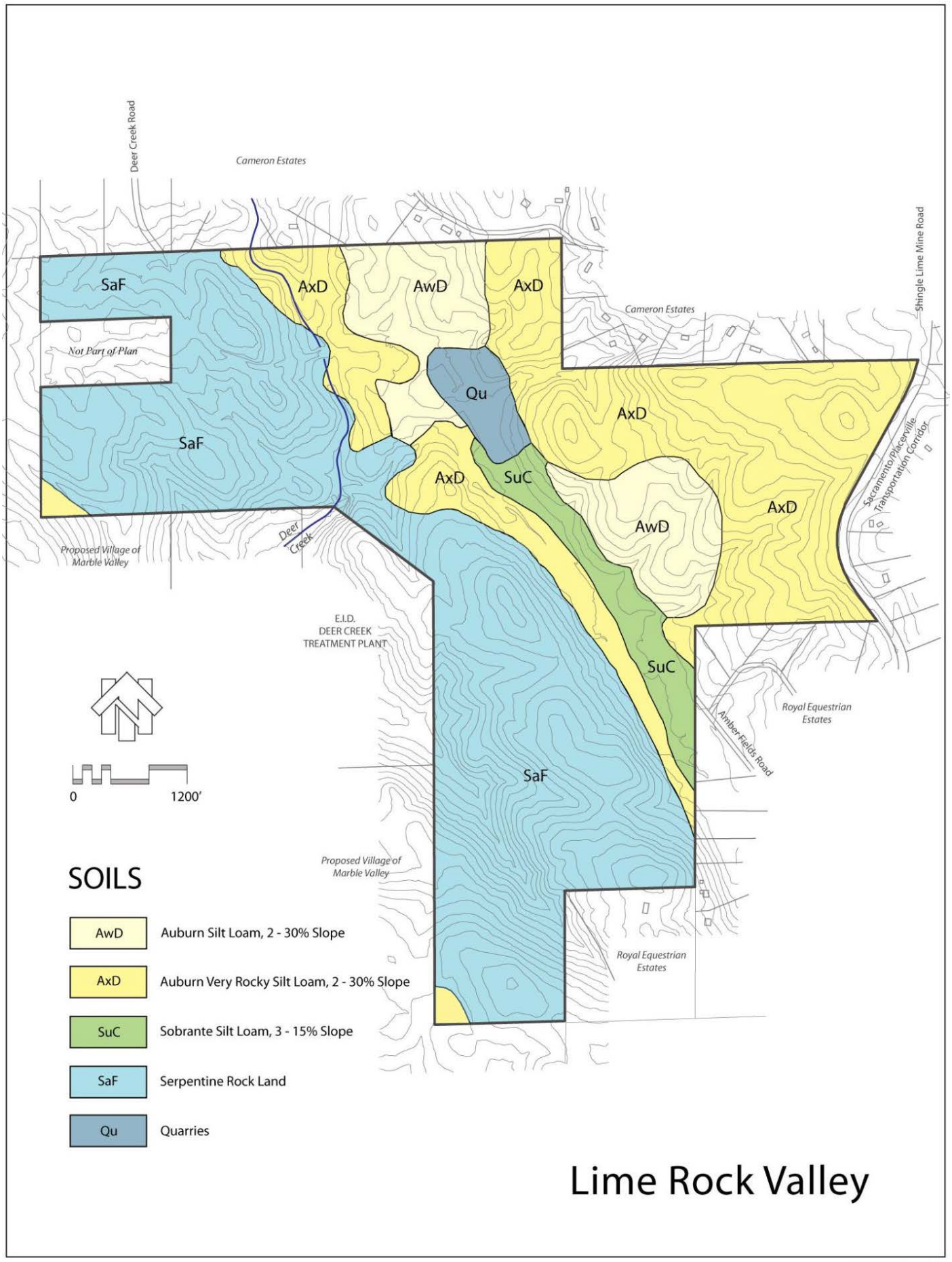
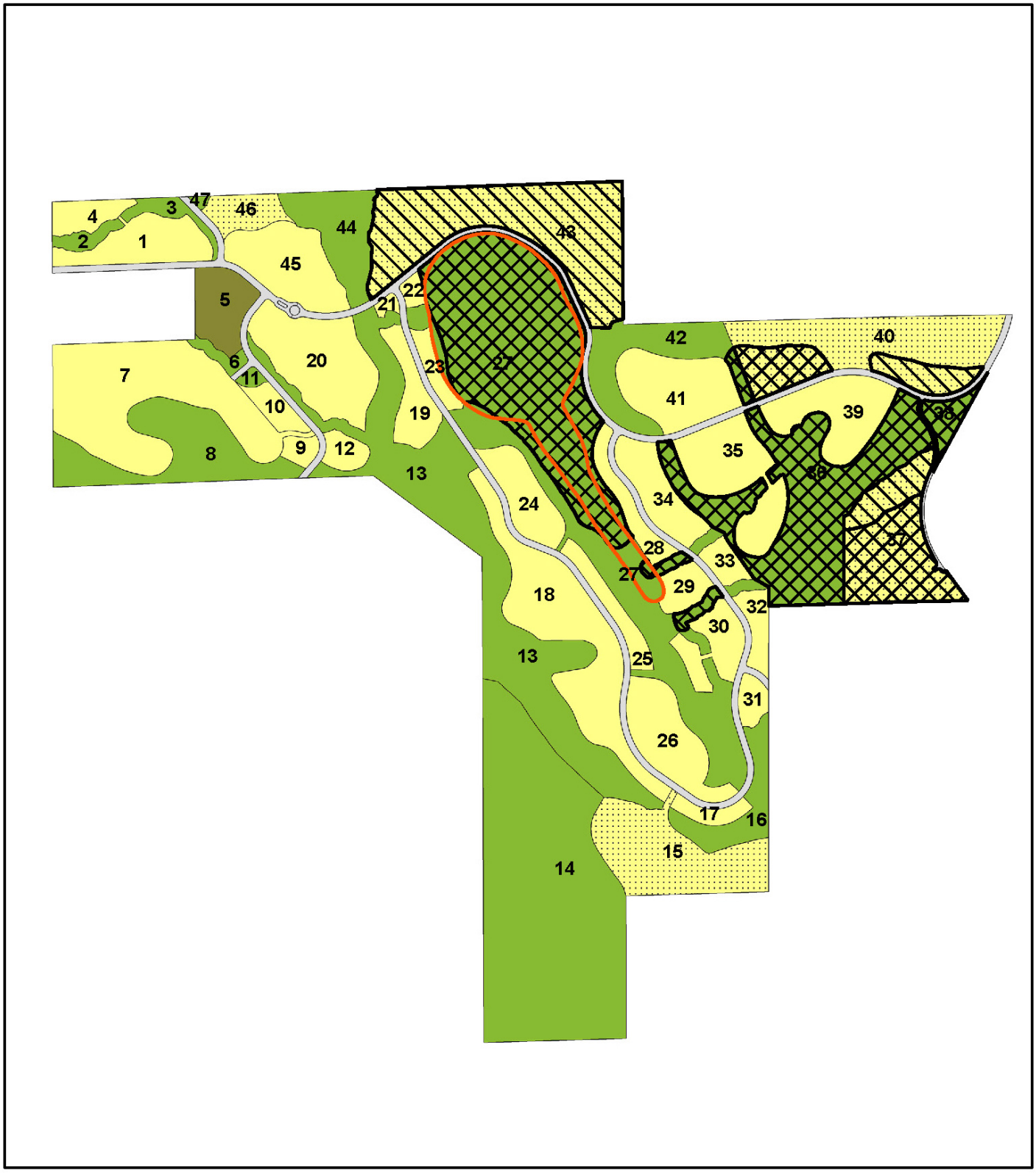


Figure 7 – Soil Types



Legend

LSA

Land Use

- Villlage Residential Low
- Village Residential Low (5 acre min)
- Neighborhood Park
- Open Space
- Road

Oak Woodland Planting Areas

- Potential Planting Area
- Possible Planting Area
- Proposed Mine Setback Area

Figure 8 – Potential Oak Mitigation Areas

- The oak canopy replacement program will include restoration/enhancement of existing oak woodlands to mitigate for the loss of oak canopy.
- Additional planting of oak trees will occur as part of project landscaping.
- Contiguous stands of oak woodland habitat and corridors connecting the stands will be retained (Figure 6).
- Setbacks as required by the County General Plan along perennial (100 feet) and intermittent (50 feet) streams have been provided.
- To reduce impacts of five acre lot development on oak trees Design Guidelines will be established to minimize tree removal and protect remaining trees.

3.2.2 Oak Woodland Habitat Protection Measures

The project plans to retain areas of contiguous oak woodland and corridors linking oak woodland habitats to each other. Areas of preserved oak woodland will be protected from incidental damage during construction by following the tree preservation guidelines presented herein.

Protection Fencing. To protect trees within the oak woodland preserve, tree protection fencing (TPF) will be installed during site preparation under supervision of the project Certified Arborist; prior to the commencement of grading or vegetation clearing. The TPF will be installed at, or outside of, the dripline of protected trees to the extent feasible based on the limits of grading. The TPF should consist of blaze orange barrier fencing supported by metal "T rail" fence posts, or equivalent. The integrity and perimeter of TPF will be maintained during all phases of the construction process and inspected regularly to assure that trees and their growing environment are not harmed. The project Certified Arborist shall be consulted immediately if construction personnel need to alter the limits of the TPF to increase encroachment limits for grading or excavation, otherwise the fence is not to be altered or moved during construction activities.

Oak Woodland Avoidance. The project design has avoided 85 percent or more of the sites oak tree canopy. Construction personnel will not dig, install utility services or irrigation lines, nor use the areas within the limits of the TPF for temporary storage of construction materials, machinery, tools, fuels, or lubricating fluids. Warning signs indicating the purpose of the TPF should be attached to the fence approximately every 100 feet. The signs will be weather resistant and shall read "WARNING – Tree Protection Zone – This fencing shall not be removed or altered without approval of the project's Certified Arborist". The locations of tree preservation areas and tree avoidance measures will be explained to all worksite personnel at training sessions prior to initiating construction activities. Allowable uses are limited to non-harmful activities such as seeking refuge from the sun during work breaks.

Tree Maintenance Prior to and During Construction, Canopy. It may be necessary to perform pruning, cabling, or other forms of tree surgery in the canopy of preserved trees to reduce the hazard of accidental limb failure and to allow the movement of construction machinery. Although specific treatments cannot be anticipated due to the scale (large amount) of the preserved oak woodland, all tree work will conform to the American National Standards Institute best management practices for tree care (ANSI A300). Any impeding or potentially hazardous limbs should be removed using the three cut method as outlined in the ANSI A300 Part 1 - Tree Pruning. It is recommended that a

professional tree company with certified arborists be retained to do this work. If accidental damage of tree trunks and limbs should occur during construction, a professional arborist will be consulted to properly address these types of issues. Tree trimming will not be allowed to be performed by construction personnel.

Tree Maintenance During Construction, Root Zones. Tree roots often extend far beyond the canopy drip line. Excavation work near the oak woodland preserve may encounter and tear roots if not properly exposed and pruned. If large diameter roots (greater than 4 inches in diameter) are encountered during excavation, continue digging with light equipment or by hand to expose and cut roots with a sharp chainsaw blade. Any cut or exposed roots are to be immediately backfilled with soil, or covered with wetted burlap or other protective material to retain root moisture until roots can be buried with soil.

Irrigation. Native trees have evolved to grow with no rainfall during the dry season and summer irrigation can lead to tree mortality. Landscaping that requires summer irrigation is prohibited beneath native oaks. Adjacent landscaped areas should be graded so that drainage is directed away from native oaks and the oak woodland preserve.

3.2.3 Tree Protection Measures within Development Areas

The project will also retain oaks within the development footprint. The El Dorado County General Plan (Policy 7.4.5: Native Vegetation and Landmark Trees) requires preparation of a Tree Survey, Preservation, and Replacement Plan prior to the issuance of a grading permit. These plans will be prepared by project phase. Preserved single trees and groupings of trees (native oaks, separate from the larger areas of preserved oak woodland) will be protected from incidental damage during and after construction by conforming to County guidelines (*Biological Resources Study and Important Habitat Mitigation Program Guidelines*, adopted November 9, 2006). These guidelines present specific measures for safeguarding trees during construction (2.2.2.1) and safeguarding trees after construction (2.2.2.2). These measures are included as Attachment A to this report.

3.3 PROPOSED REVEGETATION AND RESTORATION PLAN

3.3.1 On-site Oak Replacement Area

County General Plan Policy 7.4.4.4, Option A, requires the replacement of oak canopy removed on a 1:1 basis. As previously described, a maximum of 37 acres of oak canopy will be impacted. The project will need to plant and establish 37 acres of new oak canopy. We identified 105.5 acres within the Open Space areas and custom lots as potential oak mitigation sites. Existing oak canopy covers approximately 30 acres of this total resulting in 75.5 acres available for planting. This amount is greater than the amount required (37 acres), so all mitigation for oak woodland impacts can be accomplished on the project site.

In addition to the mitigation plantings required under Option A, the project will plant oak trees within development areas as part of project landscaping that will not be included in fulfilling the project's oak mitigation replacement requirements.

Figure 7 depicts the potential oak mitigation areas. Within these areas, a variety of oak species will be established based on site suitability. Black oak, canyon live oak and interior live oak will primarily be planted along the western edge of the planting areas where these species are already present. Valley oak plantings will primarily be located along the on-site creeks. Blue oaks with some interior live oaks will be planted in the eastern half of the site where blue oak woodland is the dominant woodland type.

Plantings will be made according to the following priority:

- Within designated open space areas outside of the mine setback area.
- Within protected areas on 5 acre lots.
- Within the mine setback area beginning furthest away from the mine entrance.

Planting will only occur in a lower priority area if all available sites for mitigation plantings have been planted and additional planting area is needed.

The mine setback open space area has been identified as the lowest priority for planting due to the potential for loss of the plantings from possible subsidence of the ground surface. The potential for this to occur is greatest near the mine entrance and decreases further away as the depth of the mine increases.

3.3.2 Planting Types and Amounts

Option A requires that the replacement of removed tree canopy shall be at a density of 200 trees/acre or as recommended by a qualified professional. Replacement trees are defined as either a one-gallon seedling (container plant) or three acorns. LSA proposes to primarily use bareroot or container plants. If planting conditions are not suitable for container stock or bare root trees, acorns will be planted (3 planted acorns = 1 planted tree). This plan is based on a density of 200 trees/acre. This density will result in a plant spacing of 10 feet if planted on-center. This will result in the need to plant up to 7,400 oaks. The final amount is dependent on the actual impacted acreage. Tree survey, Preservation and Replacement Plans prepared for each project phase may recommend different planting densities based on recent research and/or project experience with earlier phases.

Two types of plantings will be made; stand augmentation and new stand establishment. Augmentation will occur where existing trees are present but do not form a continuous canopy or there is no recruitment in the understory and plantings will provide replacements as older trees die off. New stand establishment will plant in grassland areas where no trees are currently present.

Timing and Phasing. Mitigation plantings will be timed to occur with project phasing. Plantings will be undertaken after the installation of municipal water service to provide a reliable source of irrigation water. The timing of Specific Plan phasing has not been determined. Oak planting will coincide with the loss of oak woodland habitat so that areas planted will always be equal to or greater than the loss of oak canopy. Prior to the initiation of any phase, a Tree Survey, Preservation and Replacement Plan will be prepared pursuant to County requirements and submitted to the County for review and approval.

The availability of irrigation water is necessary to meet the 90 percent survival rate established by the County. Irrigation will be applied for a minimum of three years after planting during the dry season (May to October) and during the rainfall season (November to April) if periods of three weeks or more with no rainfall occur.

Maintenance. The oak plantings will be maintained during the entire 10-year monitoring period for areas of tree plantings and 15 years for acorn plantings. Maintenance activities will include:

- Weeding the planting basins.
- Insuring any tree protection measures are in place and working as planned.
- Inspecting the irrigation system to insure all trees are being irrigated.
- Maintaining mulch within the planting basins.
- Pruning if necessary.

3.3.3 Irrigation

Irrigation water will be provided by drip irrigation systems. If drip irrigation cannot be provided to a location, plants will be hand-watered.

Irrigation will occur most frequently during the plantings first year and the frequency reduced in years two and three and generally ended after three years. Irrigation after three years will be based on plant performance. All plantings will need to survive for a minimum three year period after the end of irrigation to demonstrate compliance with County survival requirements.

Attachment B contains information on oak tree planting and maintenance. Attachment C contains similar information on acorn harvesting, planting, and maintenance. These Attachments detail installation timing, design, and planting methods.

3.4 MITIGATION MONITORING AND REPORTING

3.4.1 Monitoring Schedule

Each phase of tree planting will be monitored for 10 years and 15 years for acorn plantings. Monitoring of all plantings will be the responsibility of the project developer. Monitoring will consist of regular maintenance visits described previously, semi-annual monitoring visits for two years after planting and annual monitoring visits for years 3 through 10-15. The purpose of the semi-annual/annual monitoring is to assess progress towards meeting the success criteria. The monitoring visits will determine tree survival rates, whether additional plantings are needed, and the rate of tree growth to determine progress towards meeting canopy cover criteria.

3.4.2 Monitoring Methods

To ensure that success criteria are met, and facilitate monitoring, all planted trees and acorns will have a number assigned, their location fixed by GPS and maps produced with the locations of all tree and acorn plantings.

A biologist will sample the mitigation sites, documenting the health and vigor of the trees noting whether they are dead, in poor or good condition. The definitions of poor and good condition are presented below:

> Poor condition - no new growth, or sparse growth, leaves discolored or showing signs of disease, insect damage.
>
> Good condition - new growth, healthy leaves, little evidence of insect damage.

The height of the trees will be measured for the first 5 years, after which, if trees are 10 feet or over, the height measurement will no longer be taken and replaced with a measurement of its canopy diameter.

This measurement will provide information on project progress towards achieving the tree cover success criteria. Tree plantings will be measured 10 years after initial planting and acorn plantings 15 years after initial plantings to ensure that the canopy cover success criteria has been met.

Permanent photo points will be set up at representative planting sites. The photo points will be placed in areas that will document the progress of overall tree growth.

3.4.3 Success Criteria

As required by Option A, after 10 years of management and monitoring, tree survival will be 90 percent or greater than the required number of trees planted. Canopy cover will equal the acreage of oak tree canopy removed by the project, not to exceed 37 acres.

3.4.4 Reporting

Directly after planting is completed at each mitigation site, a report will be prepared which will include (but not be limited to) the following; locations and dates of where and when trees were planted (with GPS locations), who installed the planting, number of trees planted, description of the irrigation system, and what type of browse protection was provided. This report will act as a bench mark and will signal the time for monitoring to officially begin.

Annual reports will be prepared and submitted to the County by December 31 of each monitoring year presenting the results from the past growing season. The report will include the data collected when monitoring, a discussion of the data, and a discussion of the overall condition of the mitigation areas. The document will also report on the progress toward meeting the success criteria and any contingency measures taken during the previous monitoring period. Recommendations for remedial actions and/or modifications proposed for the next growing season will be provided in the Annual Report.

Annual reports will be submitted for 10 to 15 years. The monitoring period will be extended as needed until the success criteria are met. Photographs of each mitigation area will be provided in the annual reports. Photographs will be taken from photo points established when the plants are installed. A map denoting the location of the photo points will be included with the annual report.

3.5 FUNDING

Guaranteed funding for the implementation of the oak planting program will be established in the Tree Survey, Preservation and Replacement Plans that will be prepared for each construction phase of the project. Funding will either be the direct responsibility of the phase developer and guaranteed by posting a bond or similar form of financial guarantee, or by establishing an upfront endowment with sufficient funds to pay for all required work.

3.5.1 Certification

I hereby certify that the statements furnished above and in the attached exhibits present the data and information required for this Biological Resources Study and Important Habitat Mitigation Program, and that the facts, statements, and information presented herein are true and correct to the best of my knowledge and belief.

Signed: Malcolm J Sproul Dated: 5/12/14

3.6 REPORT AUTHORS

Malcolm J. Sproul, Principal-in-Charge
Linda Aberbom, Restoration Specialist
Tim Milliken, Certified Arborist
David Muth, Field Investigator

ATTACHMENT A

BIOLOGICAL RESOURCES STUDY AND IMPORTANT HABITAT MITIGATION PROGRAM, SECTIONS 2.2.2.1 AND 2.2.2.2

SAFEGUARDING TREES DURING AND AFTER CONSTUCTION

Section 2.2.2.1: Safeguarding Trees During Construction

For the purposes of safeguarding any protected oak, heritage, and landmark trees during construction, the following conditions shall apply:

1. Prior to issuance of a grading or building permit, all oak, heritage, and landmark trees in a construction area shall be inventoried by the owner of such site or by the contractor as to size and location on the site. Such inventory shall be submitted to Planning Services, and field checked by County staff or contract assistance (e.g., a qualified professional) at the applicant's cost to verify the number, size and location of the trees and the adequacy of protective fencing.
2. During grading of any property on which there are oak trees of six (6) inches or greater DBH, the following standards of oversight shall apply:
    a. If grading, cutting or filling is approved for areas within the tree root zone of oaks or within a five (5) foot distance of the tree root zone of an oak to be preserved, the work shall be supervised by a Certified Arborist or other qualified professional. The Arborist or professional shall be responsible for maintaining protective fencing and insuring the oak trees are not damaged by grading related activities. The Arborist or professional shall be paid for by the applicant /developer of the property. The County reserves the right to hire an independent Certified Arborist or qualified professional if it is deemed necessary by the Director of Development Services (or his/her designee) to provide adequate supervision of grading.
    b. b. Grading, cutting and filling on property that has oak trees but which is planned to occur at least five (5) feet beyond the tree root zone of any oak trees of six (6) inches or greater DBH, but within twenty (20) feet of the oak trees, shall not occur unless there is a monitor present to insure that grading occurs in accordance with approved plans and without encroachment into areas within five (5) feet of the tree root zone of any oak tree(s) of six (6) inches or greater DBH. The monitor shall be paid for by the applicant / developer of the property and shall be present during all grading related activities. The County reserves the right to hire an independent monitor if it is deemed necessary by the Director of Development Services (or his/her designee) to provide adequate supervision of grading.
3. Damage to any protected tree during construction shall be immediately reported to Planning Services. The property owner shall be responsible for correcting any damage to protected trees on the property in a manner specified by a Certified Arborist or qualified professional hired by the County at the applicant's cost.
4. Oil, gasoline, chemicals and other construction materials or equipment which might be harmful to trees shall not be stored within the tree root zone.
5. Drains shall be installed according to County specifications so as to avoid harm to the oak trees due to excess watering.
6. Wires, signs and other similar items shall not be attached to the protected trees.
7. The existing ground surface within the tree root zone of any protected tree shall not be cut, filled, compacted, or pared except as permitted by this ordinance. Anticipated exceptions include making allowances to construct planned public improvements such as roads and sidewalks when it is not feasible to design the public improvements in a manner that will avoid encroachment into the tree root zone.

8. No paint thinner, paint, plaster or other liquid or solid excess or waste construction materials or waste water shall be dumped on the ground or into any grate between the tree root zone and the base of the protected trees, or uphill from any protected tree where such substance might reach the roots through a leaching process.
9. A minimum of a 4' tall temporary tree protection fence, of orange standard fencing or of a type and design subject to the approval of Planning Services or a designated representative shall be installed at the outermost edge of the tree root zone to prevent compaction and injury to a tree's surface roots. Once approved, the fences must remain in place throughout the entire construction period and may not be removed without obtaining written authorization from Planning Services.
10. Wherever cuts are made in the ground near the roots of any protected tree, appropriate measures shall be taken to prevent exposed soil from drying out. All cuts within the tree root zone are to be made with hand tools (no backhoes or graders).
11. All root pruning is to be done by hand, or by air knives or water jets under the direction of a Certified Arborist or qualified professional.
12. No person shall store building material or park vehicles or equipment within the tree root zone of any protected tree during development, unless specifically authorized by the County and under the direction of a Certified Arborist or qualified professional.
13. No person shall drive metal stakes into tree trunks or stems or the tree root zone for any purpose other than to support a protected tree.
14. No person shall have an open flame within fifteen feet of the foliar canopy or trunk of a protected tree.
15. Except unless specifically approved by a Certified Arborist, no trenching whatsoever shall be allowed within the tree root zone of protected trees. If it is absolutely necessary to install underground utilities within the tree root zone(s) of a protected tree, the trench shall be either bored or drilled unless the Certified Arborist or qualified professional determines that the trenching can be accomplished without endangering the protected tree.
16. Paving within the tree root zone of protected trees shall be stringently minimized. When it is absolutely necessary, porous material should be used. If Planning Services has reason to believe that construction or development activities may endanger a protected tree, Planning Services may seek professional consultation, at the expense of the applicant seeking to undertake construction or development of the property, to recommend measures necessary to safeguard the tree(s).

Section 2.2.2.2: Safeguarding Trees After Construction

Oak, heritage, and landmark trees required to be kept on a building site and oak trees required to be planted as a condition of construction shall be maintained after completion of construction according to County requirements for the purpose of maintaining or furthering the health of such trees.

Landscaping beneath oak, heritage, and landmark trees may include non-living plant materials such as wood chips, or live landscaping such as drought resistant plants. Solid cobbles, boulders, and gravel are not recommended as resultant heat radiation harms the tree. Planning Services may require that drought resistant landscaping be installed as an alternative to irrigated landscaping where appropriate. All landscaping shall be kept at least four feet away from the trunk of the protected tree. All landscaping shall be subject to the approval of the Director of Development Services.

ATTACHMENT B

OAK WOODLAND CONTAINER/BARE ROOT PLANTING AND MAINTENANCE

OAK WOODLAND CONTAINER/BARE ROOT PLANTING AND MAINTENANCE

Planting Site Preparation and Installation

Planting will be implemented in late fall or early winter after soil and air temperatures have cooled and soil moisture is at an appropriate level for installation of container plants. Locations of planting sites will be marked by the biological monitor. Irrigation will be installed prior to or concurrent with planting. Plants will be installed according to methods outlined below.

Container Plant Stock - Conditions and Maintenance

Native plant material will be propagated from locally collected seed, as available, or obtained from a reputable native plant nursery. Plant materials purchased from a nursery will be grown from local sources.

Container plants will be free of weeds and disease, have well-developed roots and be labeled according to their botanical name. The biological monitor will inspect the plants at the nursery and again when they are delivered to the mitigation site. The biological monitor will reject any or all plants that are of sub-standard quality. Bare root material not planted on the date of delivery to the mitigation site will have their roots protected from drying and will be kept moist at all times.

Container/Bare Root Plant Installation Guidelines

1. Weedy plant material will be scraped away to form a 4-foot by 4-foot-square directly around each planting location.
2. Planting holes will be at least as deep as the root ball and one and a half times as wide. All planting holes will have vertical sides with scarified, roughened surfaces.
3. Planting holes will be watered as needed and the water will be allowed to drain prior to placing the plant into the hole.
4. Plants in containers will be thoroughly irrigated prior to planting.
5. A slow release fertilizer packet or tablet will be placed in the planting hole three to four inches below planted seedlings.
6. Plant containers will be removed from the root ball, and the sides of the root ball scarified or untangled to promote the development of new roots.
7. The plant will be set plumb and braced rigidly in position until planting soil has been tamped solidly around the root ball.
8. Backfill will consist of native soil harvested from the site.
9. A 3-foot diameter watering basin will be installed around each plant. The watering basin will have a 3-inch berm that will retain irrigation and rain water. The crown of the plant will be elevated 1 inch above the final grade within the watering basin.
10. A 4-foot by 4-foot-square of weed control fabric will be laid flush with the cleared ground to control weed growth and retain moisture. The weed control fabric will be secured with at least 8 wire jute net stables.
11. All plants will be irrigated immediately after planting and approximately once every 7 days thereafter, until, and in the opinion of the biological monitor, adequate rainfall occurs to avoid the need for further irrigation until the following dry season.

Browse Protection

Browse protection devices will be required to protect the plantings.

Browse protection hardware will be installed around individual plants according to the following specifications:

1. Deer browse tree devices will be installed around trees at the time of planting. Each device will be constructed as a cylinder of a 4-inch by 4-inch welded or knotted wire that is 4 feet in height and approximately 3 feet in diameter. The larger browse protection device will allow plant growth without requiring device enlargement or replacement. The cage bottom will be buried at least 1 foot below the soil surface and secured with two stakes. The stakes will be 5 feet in length and installed at least 2 feet into the soil.

2. If voles are found to be girdling the trunks, trunk protectors such as ArborGard+ or equivalent will be installed around the trunk or stem and buried 4 inches into the soil. Deer exclusion cages will remain in place around the trunk protectors if they have already been placed around the affected plant.

Browse protection devices will remain in place until the biological monitor authorizes their removal. The biological monitor will make recommendations for the removal of devices as the plantings become established. The biological monitor will inspect the browse protection devices on a regular basis and will report maintenance needs to the contractor.

Irrigation

All container plantings will be equipped with temporary drip systems. Irrigation will be applied during prolonged winter drought periods to supplement any deficiency in rainfall that may occur. Irrigation also will be applied during the dry season, generally between the months of April and September to ensure the successful establishment of the plants.

MAINTENANCE

The plantings will be maintained for a minimum of 10 years following planting to ensure the success of the program. The specific maintenance activities to be implemented throughout the life of the maintenance period are described below.

Weed Removal

Herbaceous weeds competing with the newly planted vegetation will be removed by hand during the first three years after planting from the 4-foot by 4-foot area covered by the weed cloth. In subsequent years weeds will be removed from the immediate vicinity of the trunk (approximately 6" radius).

Plant Replacement

Replacement plants will only be installed in the fall or winter following the planting specifications contained in this document.

Trash Removal

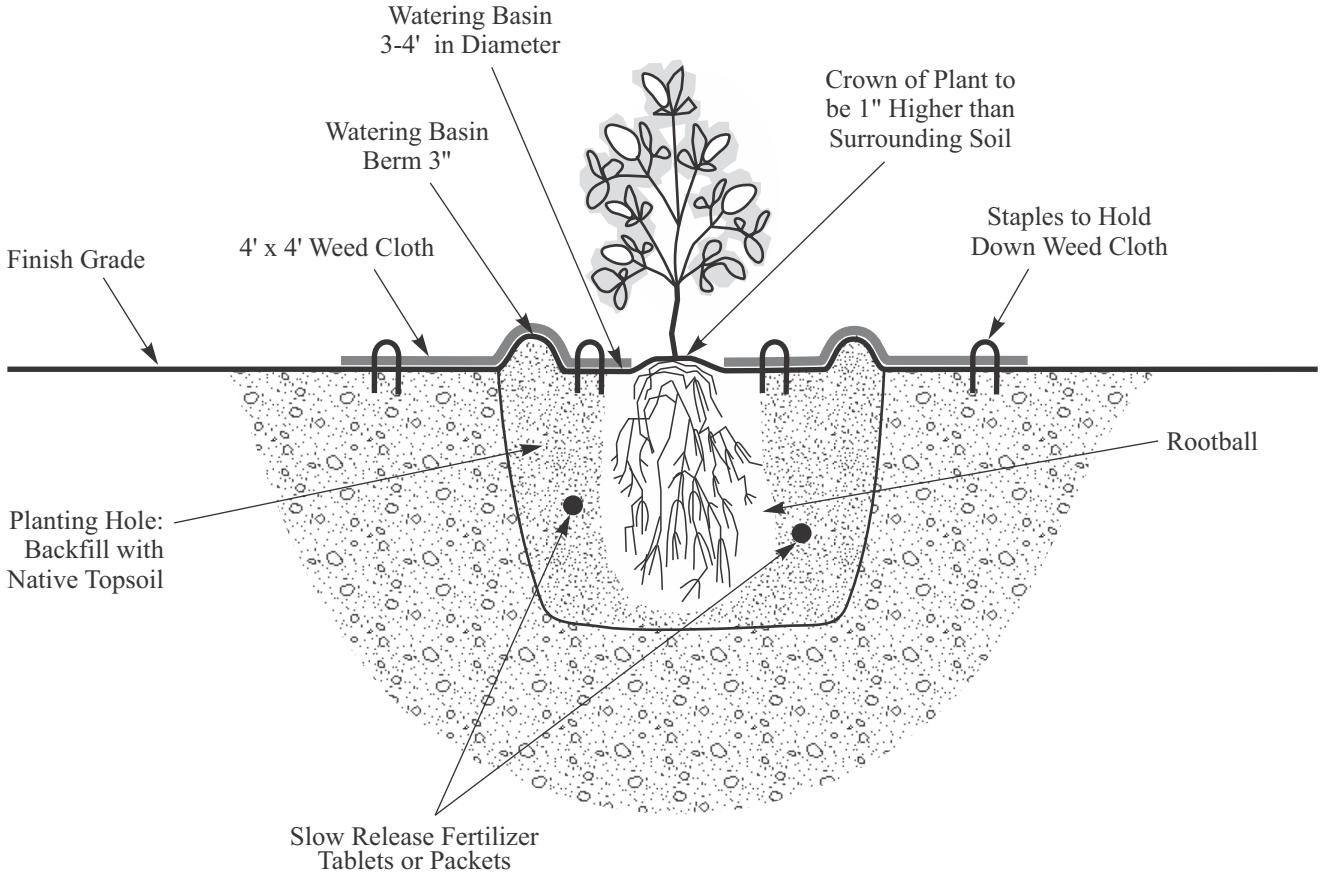
Trash will be removed from the mitigation areas when observed on all monitoring visits.

Irrigation System

At the beginning of each irrigation year, the irrigation system will be inspected to ensure proper functioning during a test irrigation. The system will be spot checked during monitoring and maintenance visits throughout the irrigation year. Any broken or malfunctioning parts of the irrigation system serving a mitigation area will be repaired or replaced upon detection.

Irrigation Applications

The amount and frequency of irrigation will be determined by conducting a test irrigation application in late spring prior to the first irrigation season. The test irrigation will entail monitoring the percolation rate and level of saturation of the soil. Once the soil surface appears saturated, the soil will be augered to the depth of the root zone to determine if water has percolated below the root zone. If not, the process will be repeated until the desired results are achieved. The time required to achieve the goal will determine the duration of each application. The frequency of application will be determined by monitoring the soil moisture content. After the first irrigation application, the landscape contractor and biological monitor will auger the root zone of several plants every three to four days to determine the amount of moisture present. When the soil is relatively dry the irrigation application will be repeated. This will be the frequency of each application.



Planting notes:

1. Planting holes to be dug twice as wide as the rootball.
2. Planting holes to be dug slightly less than the depth of the rootball, do not over-excavate planting holes.
3. Provide 3 to 4 inch berm to retain water.
4. Water in immediately.

LSA

Lime Rock Valley Project

Oak Tree Container
Planting Detail

Not to scale

P:\GGG1202\Linda's work\Oak Tree Container Planting Detail.cdr (04/18/2014)

ATTACHMENT C

OAK WOODLAND ACORN HARVESTING, PLANTING AND MAINTENANCE

OAK WOODLAND ACORN HARVESTING, PLANTING, AND MAINTENANCE

Planting Site Preparation and Installation

Planting will be implemented in late fall or early winter after soil and air temperatures have cooled and soil moisture is at an appropriate level for installation of acorns. Locations of planting sites will be marked by the biological monitor. Irrigation will be installed before or concurrent with planting. Acorns plants will be installed according to methods outlined below.

Acorn Harvesting and Storage

Acorns will be harvested from local sites during the fall when acorns are ripe. Acorns will be placed in plastic bags with moist peat moss and placed in a refrigerator until planting. This method of storing acorns is called seed stratification and is required with acorns as the endocarp is large and fleshy and can desiccate quickly (within weeks of seed drop).

The acorns can be stored in the refrigerator for months. In many cases the radical (primary, stabilizing root) may emerge. If so, the acorn can be planted and grown with great success, however, the radical must be positioned downward and care must be taken to not break the tip. If the radical is more than 3 inches, it is suggested to prune the root tip to so the radical is approximately 2 inches long when planting.

Acorn Planting Guidelines (See Figure)

1. Weedy plant material will be scraped away to form a 4-foot by 4-foot-square directly around each planting location.
2. Planting holes will be 12-inches deep with a 6-inch diameter. All planting holes will have vertical sides with scarified, roughened surfaces.
3. Planting holes will be watered if the soil is dry and the water will be allowed to drain prior to placing acorns into the hole.
4. The planting holes will be filled, prior to placing the acorns, to within 4-5-inches of the finished grade of the site and the soil gently tamped.
5. A slow release fertilizer tablet will be placed in the planting hole, three to four inches below the acorns.
6. Acorns, (2/hole) will be placed on their side and covered with 2 inches of site soil and the soil gently, but firmly tamped.
7. A 3-foot diameter watering basin will be installed around each planting hole. The watering basin will have a 3-inch berm that will retain irrigation and rain water.
8. A planting shelter, tubex or equivalent, with hardware cloth screen secured on the top of the shelter, will be placed around the planted acorns and buried to a depth of 4 inches or more.
9. A 4-foot by 4-foot-square of weed control fabric will be laid flush around the shelter to control weed growth and retain moisture. The weed control fabric will be secured with wire jute net staples.
10. Planting locations will be irrigated immediately after planting.

Irrigation

Acorn plantings will be equipped with temporary drip systems or will be hand watered if an irrigation system cannot be provided. Irrigation will be applied during the dry season, generally between the months of April and September to ensure the successful establishment of the plants. Irrigation may be applied during winter dry periods (three or more weeks without rainfall) to supplement any deficiency in rainfall that occurs.

MAINTENANCE

The planting areas will be maintained for 15 years (acorns) following planting to ensure the success of the program. The specific maintenance activities to be implemented throughout the life of the maintenance period are described below.

Weed Removal

Herbaceous weeds competing with the newly planted acorns will be removed by hand from the 4' x 4' area covered by the weed cloth during the initial establishment periods (three years). Weed growth will be cleared from around the trunks of all trees in remaining years (approximately 6-inch radius).

Trash Removal

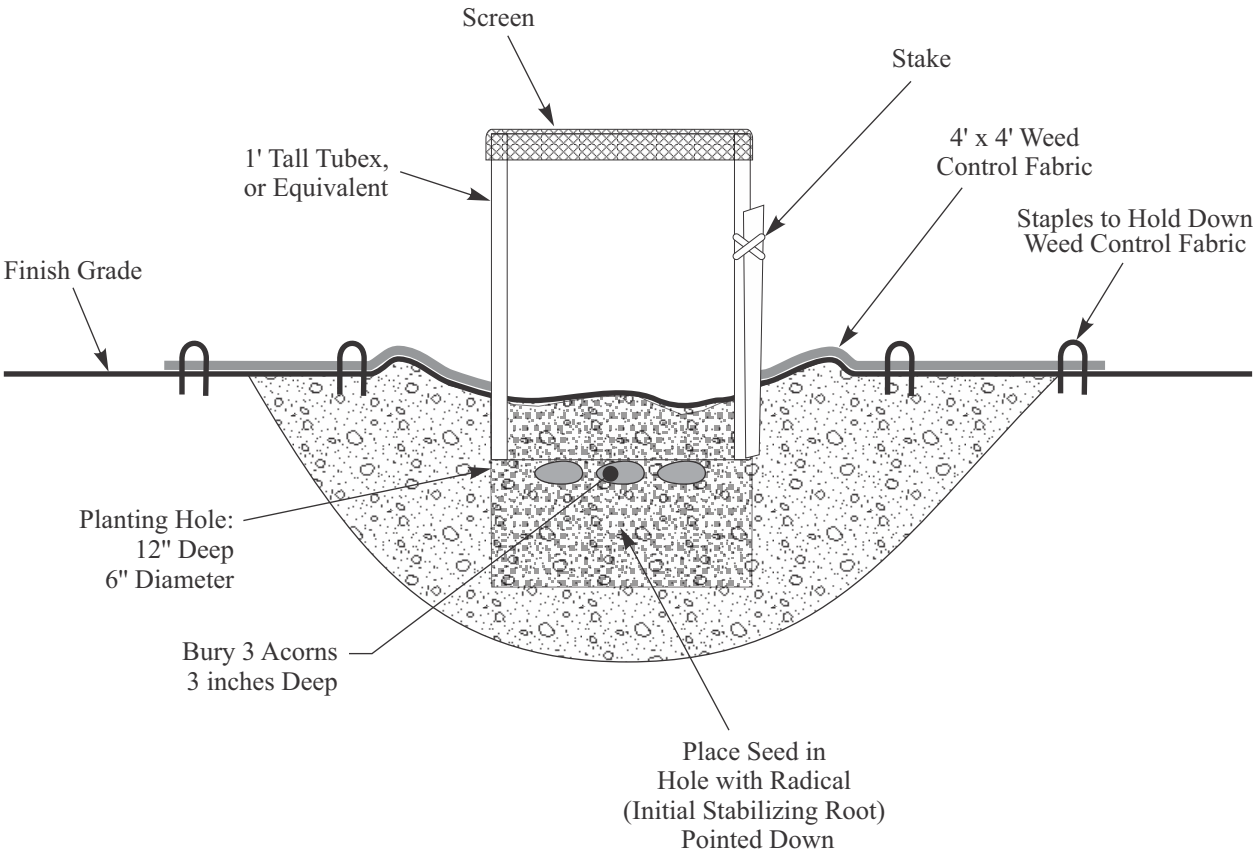
Trash will be removed from the mitigation areas when observed on all monitoring visits.

Irrigation System

At the beginning of each irrigation year, the irrigation system will be inspected to ensure proper functioning during a test irrigation. The system will be spot checked during monitoring and maintenance visits throughout the irrigation year. Any broken or malfunctioning parts of the irrigation system serving a mitigation area will be repaired or replaced upon detection.

Irrigation Applications

The amount and frequency of irrigation will be determined by conducting a test irrigation application in late spring prior to the first irrigation season. The test irrigation will entail monitoring the percolation rate and level of saturation of the soil. Once the soil surface appears saturated, the soil will be augered to the depth of the root zone to determine if water has percolated below the root zone. If not, the process will be repeated until the desired results are achieved. The time required to achieve the goal will determine the duration of each application. The frequency of application will be determined by monitoring the soil moisture content. After the first irrigation application, the landscape contractor and biological monitor will auger the root zone of several plants every three to four days to determine the amount of moisture present. When the soil is relatively dry the irrigation application will be repeated. This will be the frequency of each application.



LSA

Lime Rock Valley Project

Not to scale

Acorn Planting Detail

P:\GGG1202\Linda's work\Acorn Planting Detail.cdr (04/18/2014)

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Appendix G

Native American Consultation Documentation

DEVELOPMENT SERVICES DEPARTMENT

COUNTY OF EL DORADO **http://www.edcgov.us/devservices**

PLACERVILLE OFFICE:
2850 FAIRLANE COURT PLACERVILLE, CA 95667
BUILDING (530) 621-5315 / (530) 622-1708 FAX
bldgdept@edcgov.us
PLANNING (530) 621-5355 / (530) 642-0508 FAX
planning@edcgov.us

LAKE TAHOE OFFICE:
3368 LAKE TAHOE BLVD. SUITE 302
SOUTH LAKE TAHOE, CA 96150
(530) 573-3330
(530) 542-9082 FAX
tahoebuild@edcgov.us

December 6, 2012

Debbie Pilas-Treadway
Native American Heritage Commission
915 Capitol Mall, Room 364
Sacramento, CA 95814

Re: Sacred Lands Search and contacts for the Lime Rock Valley, Central El Dorado Hills, Village of Marble Valley Specific Plans
File Nos. SP12-0001, SP12-0002, and SP12-0003

Dear Ms. Pilas-Treadway:

I am requesting a sacred lands search to identify the presence of any Native American cultural resources within the project area of each of the proposed specific plans in El Dorado County. I am also requesting a list of Native American contacts for the project area in order to request consultation in compliance with Senate Bill SB18. In the coming months, the County will be initiating the EIR process for these projects. For your reference and review, attached are each of specific plan area exhibits and maps depicting the quadrant identification and township and range (Exhibits A-D).

Your assistance and prompt feedback would be invaluable to this process. Should you have any questions, I can be reached directly at 530-621-5363 or via email at Rommel.Pabalinas@edcgov.us.

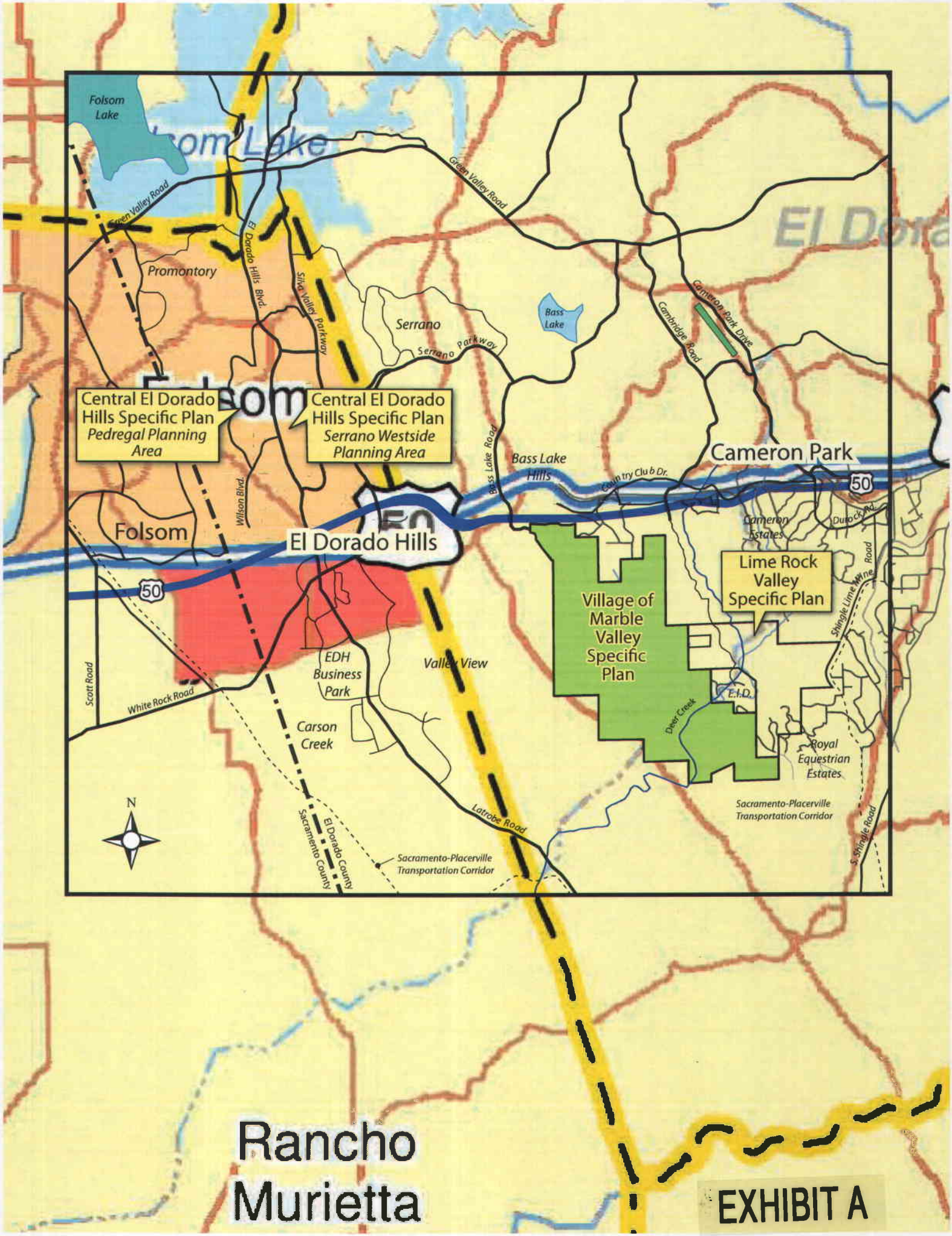
Cordially,

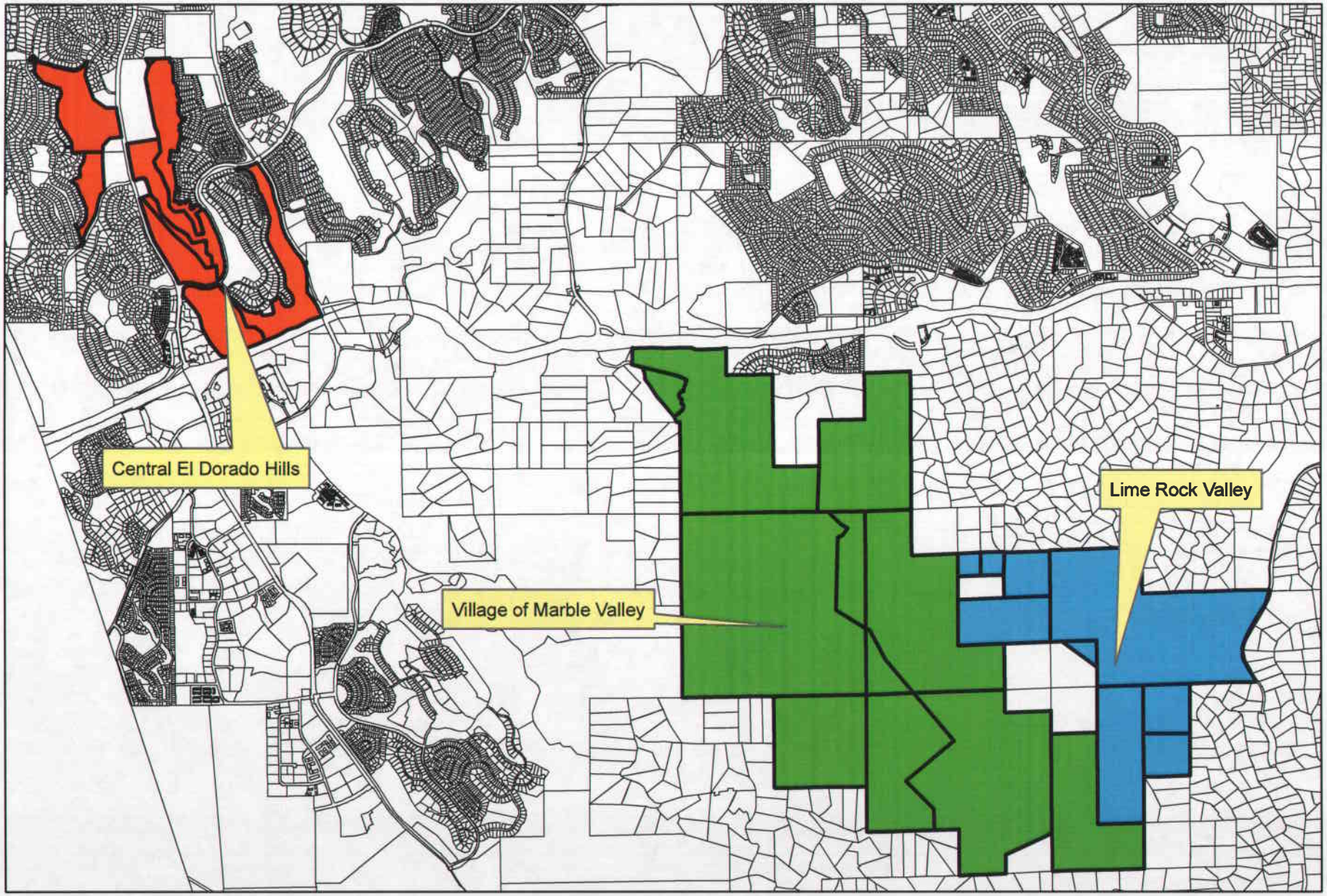
Mel Pabalinas, Senior Planner

Exhibits:

A. Composite Map of Lime Rock Valley, Central El Dorado Hills, Village of Marble Valley Specific Plans
B. Specific Plan- Project Parcels
C. Quadrant, Township, and Range Maps
D. Specific Plan Exhibits

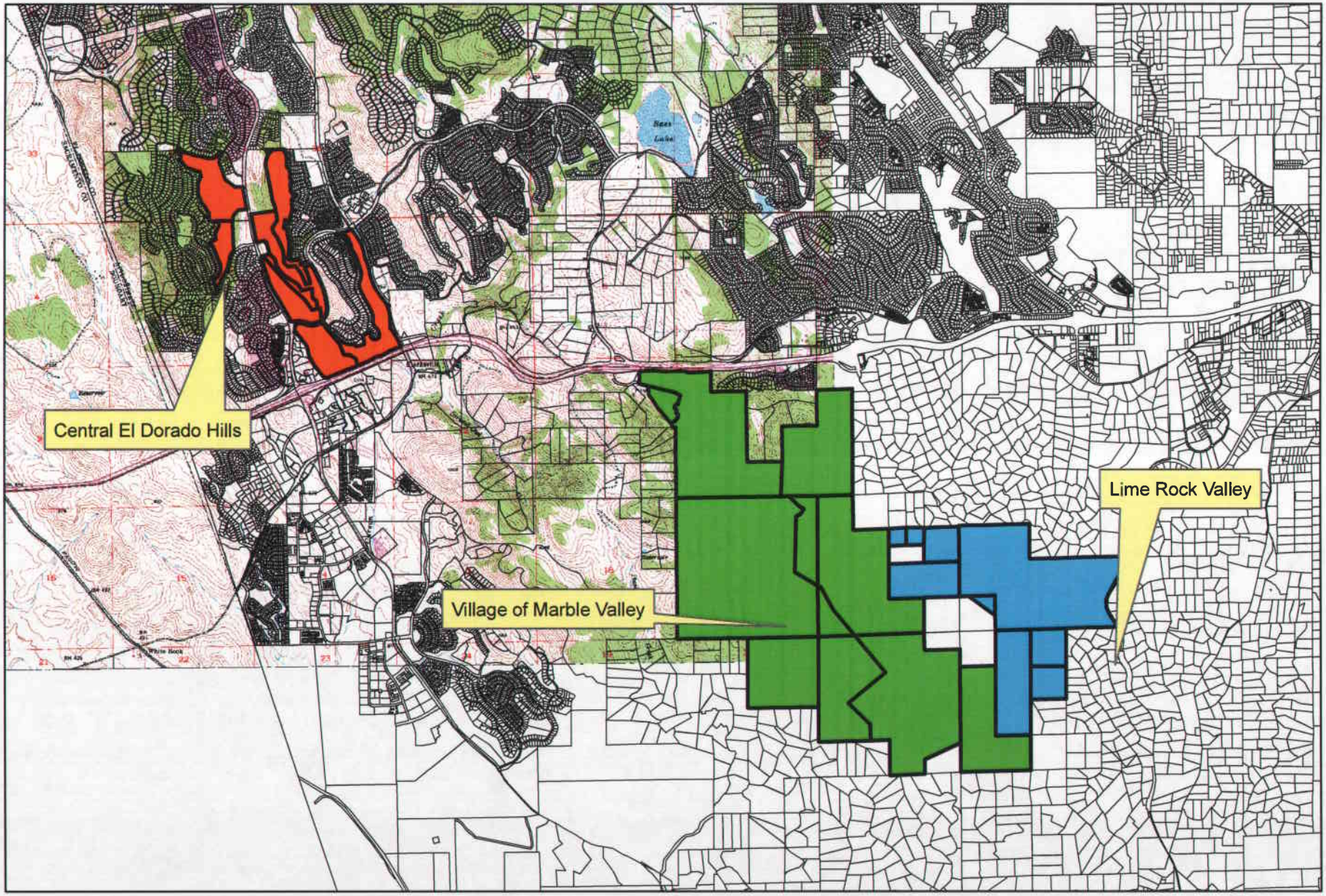
Cc. Project Files


Folsom Lake
Green Valley Road
El Dorado Hills Blvd.
Promontory
Silva Valley Parkway
Serrano
Serrano Parkway
Bass Lake
Cambridge Road
Cameron Park Drive
Central El Dorado Hills Specific Plan
Pedregal Planning Area
Central El Dorado Hills Specific Plan
Serrano Westside Planning Area
Bass Lake Road
Bass Lake Hills
Country Club Dr.
Cameron Park
50
Cameron Estates
Durock Rd.
Folsom
El Dorado Hills
Wilson Blvd.
Lime Rock Valley Specific Plan
Shingle Lime Wine Road
Village of Marble Valley Specific Plan
EDH Business Park
Valley View
Scott Road
White Rock Road
Carson Creek
E.I.D.
Deer Creek
Royal Equestrian Estates
Sacramento-Placerville Transportation Corridor
N
Latrobe Road
El Dorado County
Sacramento County
Sacramento-Placerville Transportation Corridor
S. Shingle Road
Rancho Murietta
EXHIBIT A



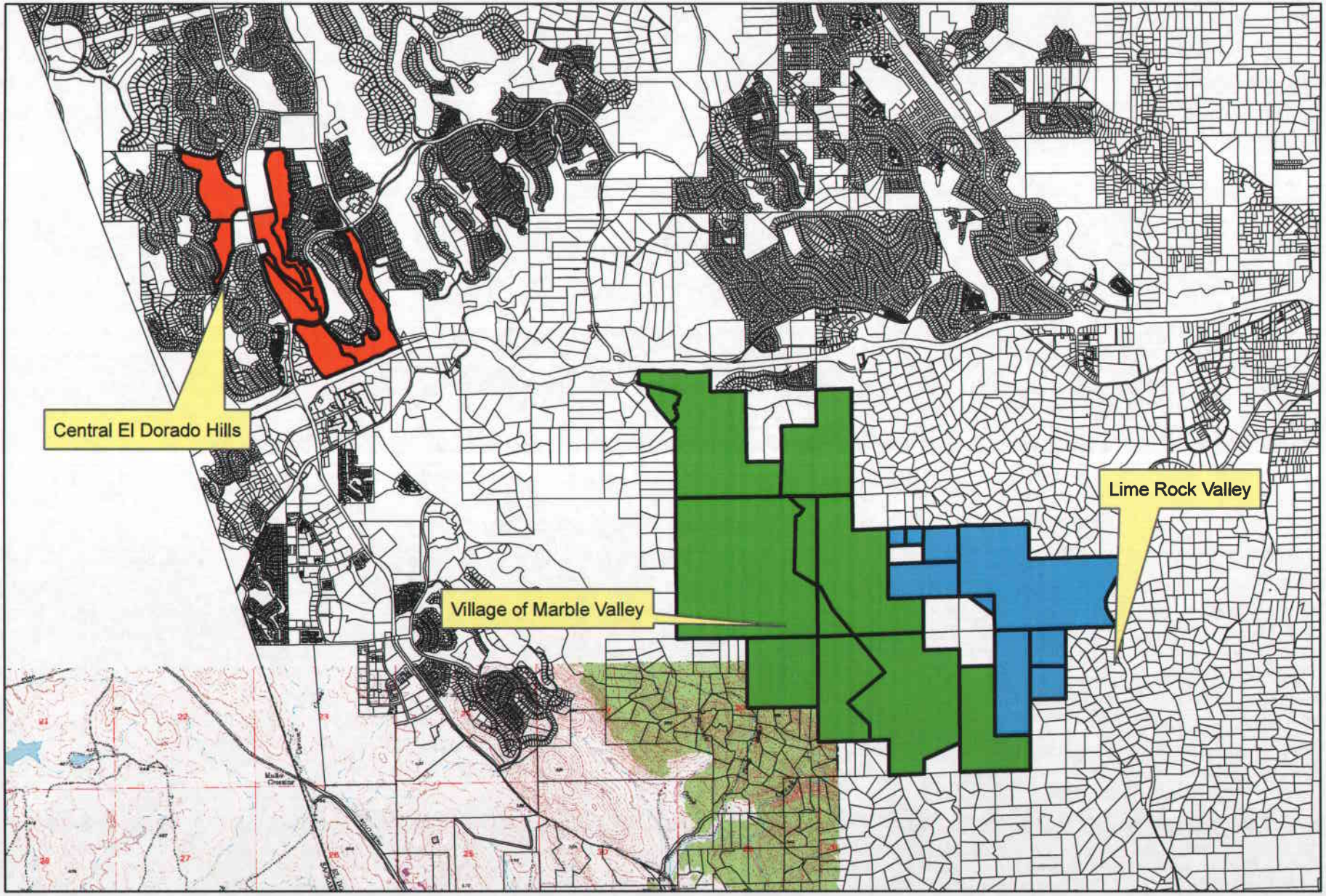
Central El Dorado Hills, Village of Marble Valley and Lime Rock Valley Specific Plans

EXHIBIT B

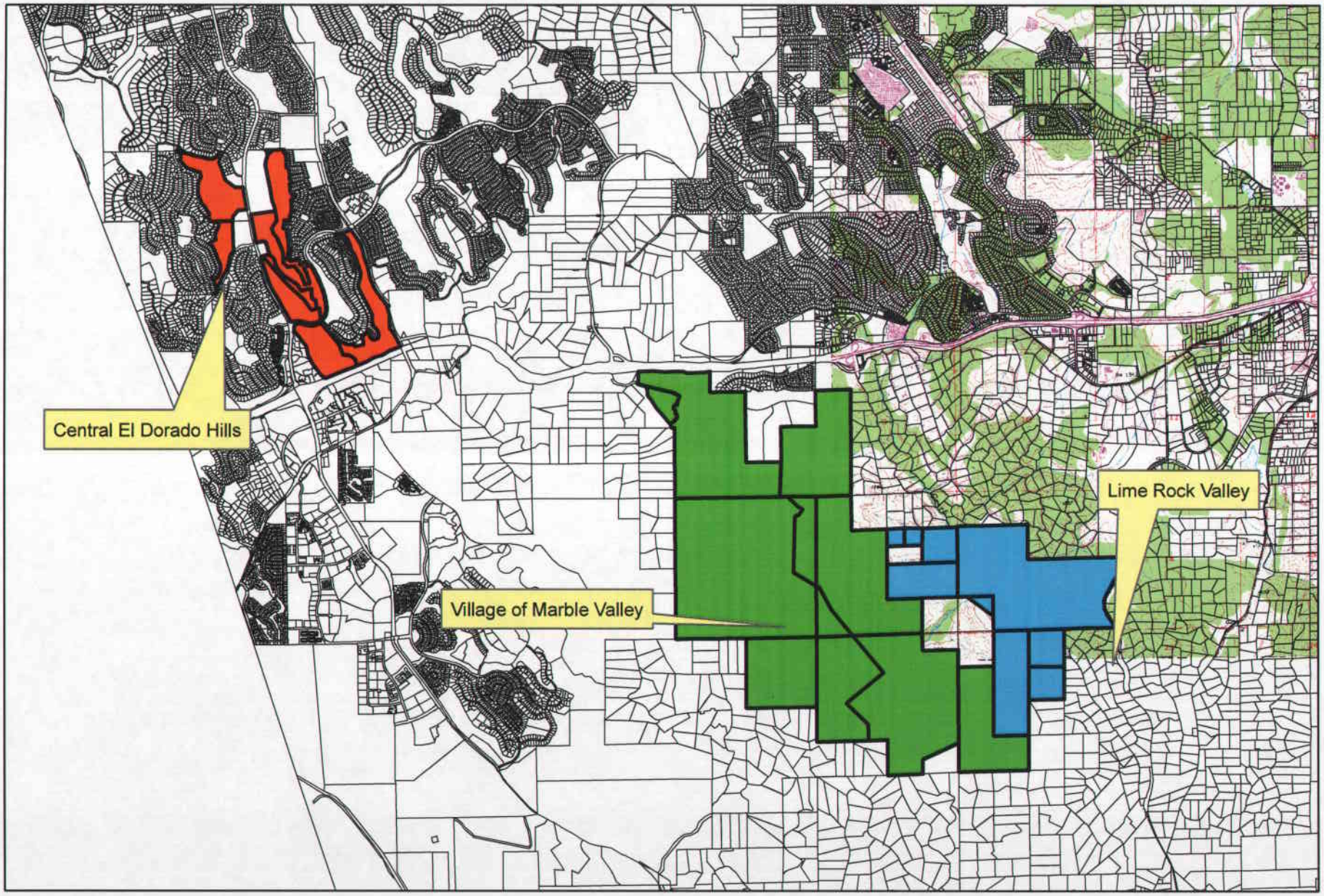


Central El Dorado Hills, Village of Marble Valley and Lime Rock Valley Specific Plans (Clarksville Quadrant)

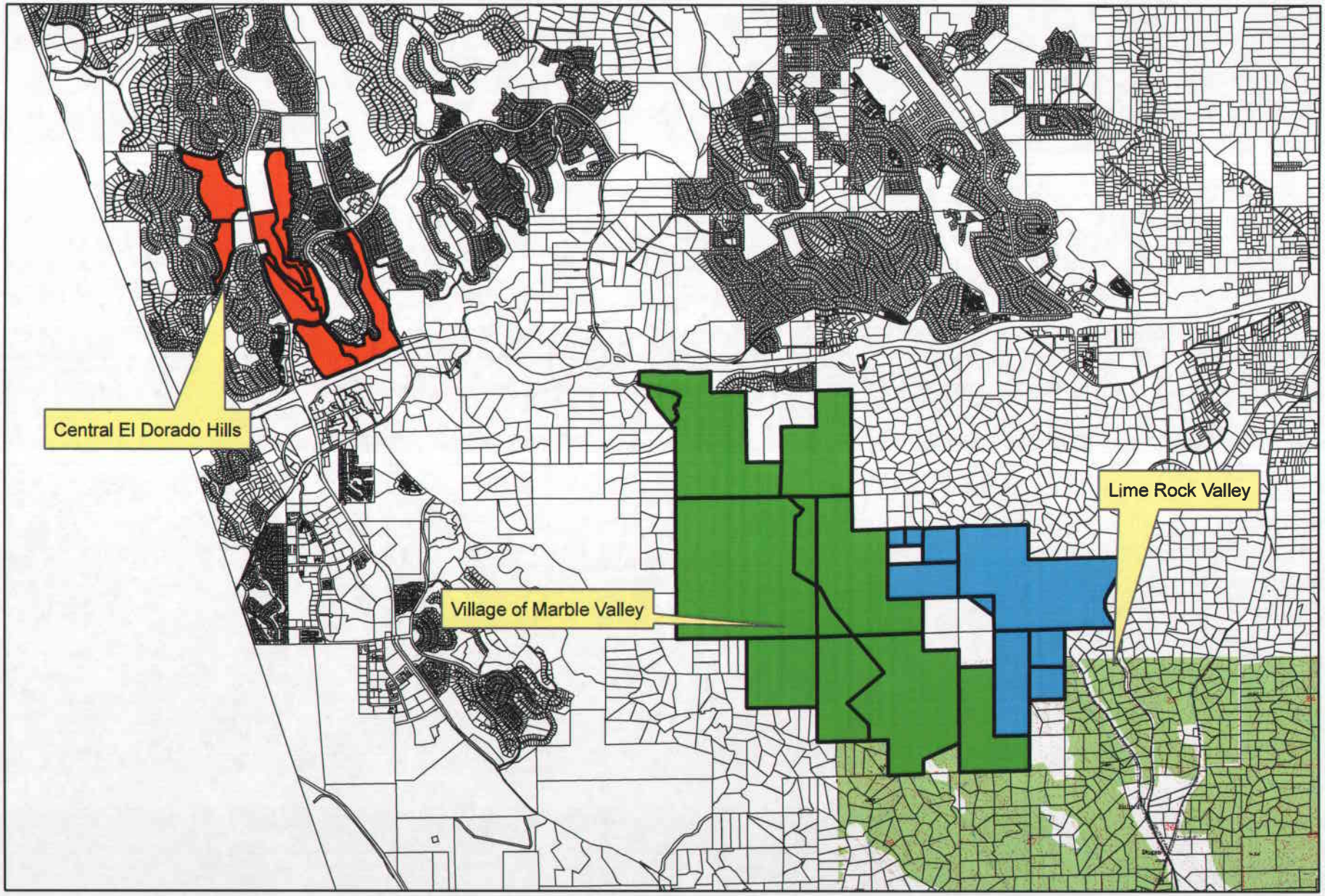
EXHIBIT C



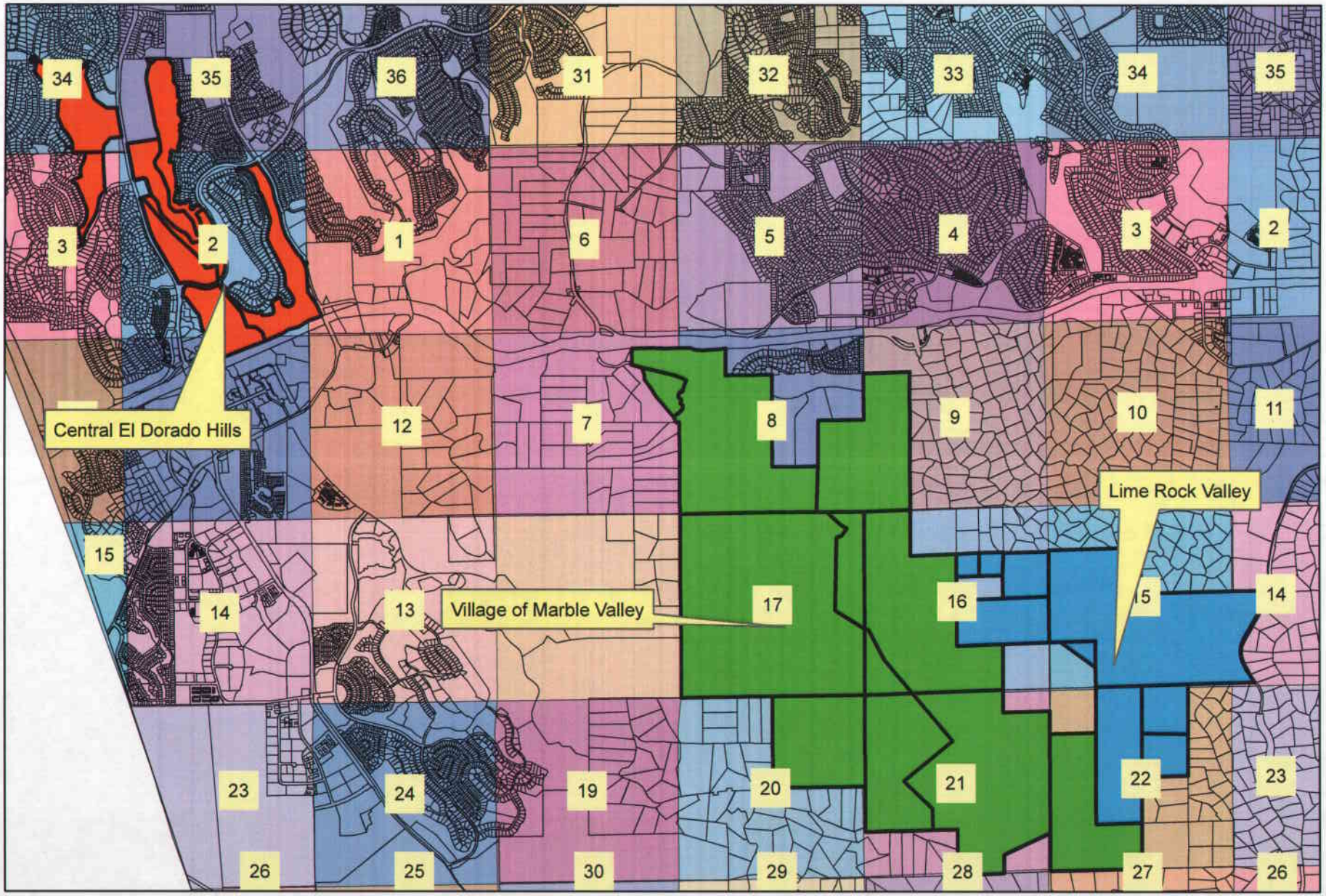
Central El Dorado Hills, Village of Marble Valley and Lime Rock Valley Specific Plans (Folsom SE Quadrant)



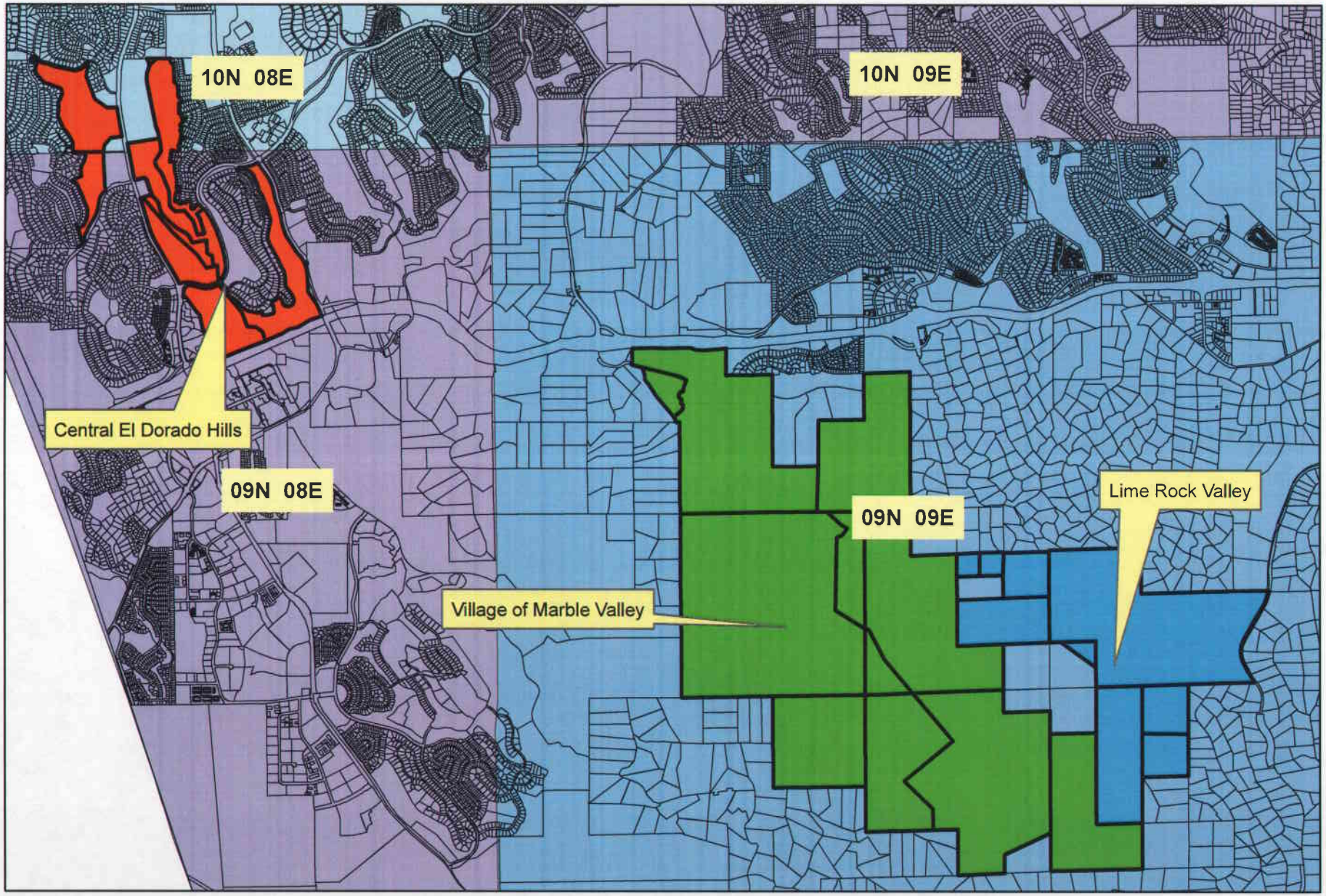
Central El Dorado Hills, Village of Marble Valley and Lime Rock Valley Specific Plans (Shingle Springs Quadrant)



Central El Dorado Hills, Village of Marble Valley and Lime Rock Valley Specific Plans (Latrobe Quadrant)



Central El Dorado Hills, Village of Marble Valley and Lime Rock Valley Specific Plans (Sections)



Central El Dorado Hills, Village of Marble Valley and Lime Rock Valley Specific Plans (Township and Range)

CENTRAL EL DORADO HILLS SPECIFIC PLAN

AERIAL MAP OF PROJECT SITE WITH ADJACENT USES

COUNTY OF EL DORADO, CALIFORNIA

NOVEMBER 2012



0 200' 400' 800'

SCALE IN FEET

925 Sunset Street Suite 200 Folsom, CA 95630
(916) 366-3040 Fax (916) 366-3303
R. E. Y. ENGINEERS, Inc.
Civil Engineers / Land Surveyors

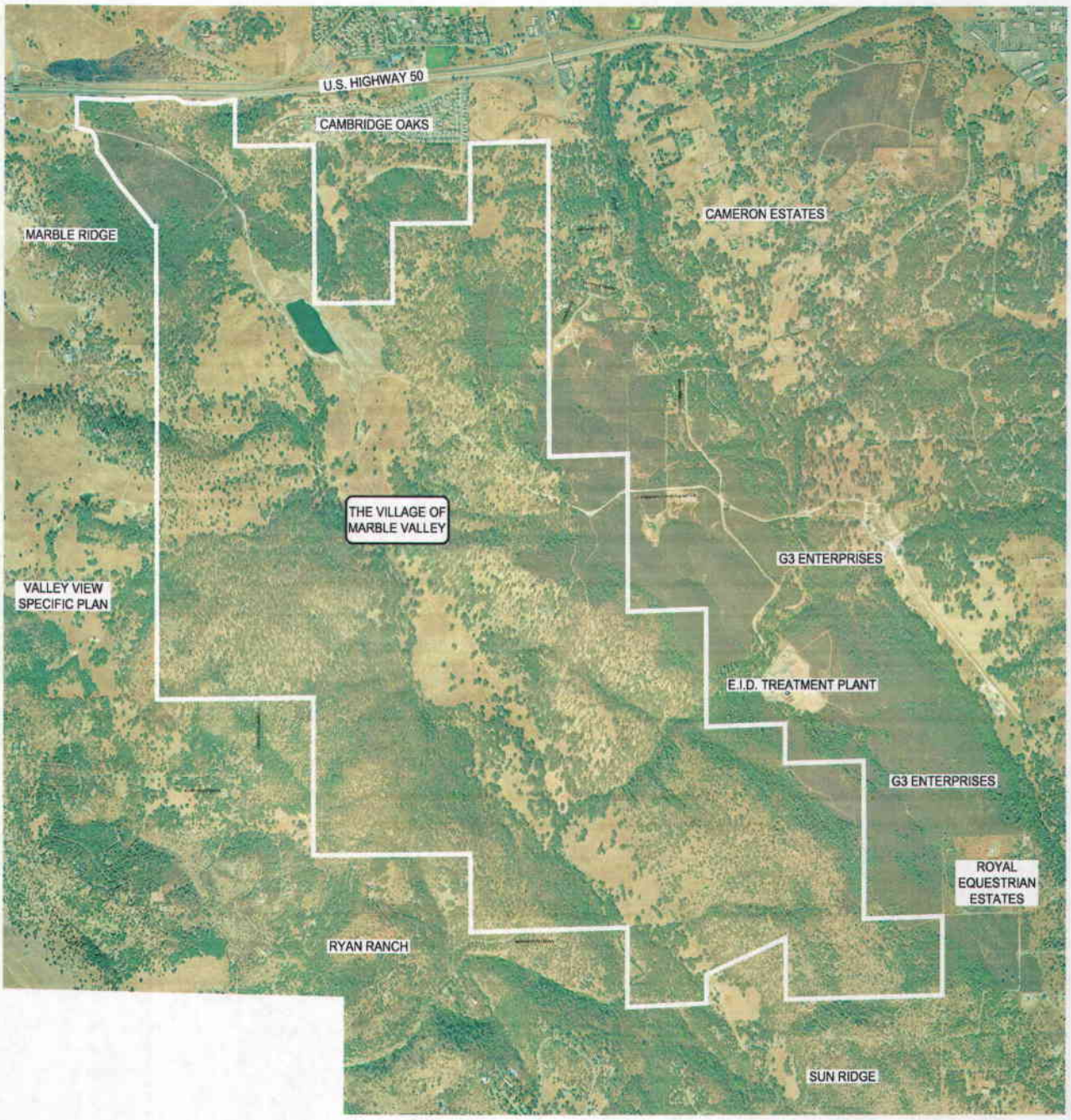
EXHIBIT D

THE VILLAGE OF MARBLE VALLEY SPECIFIC PLAN

AERIAL MAP OF PROJECT SITE WITH ADJACENT USES

COUNTY OF EL DORADO, CALIFORNIA

NOVEMBER 2012



0 400' 800' 1600'

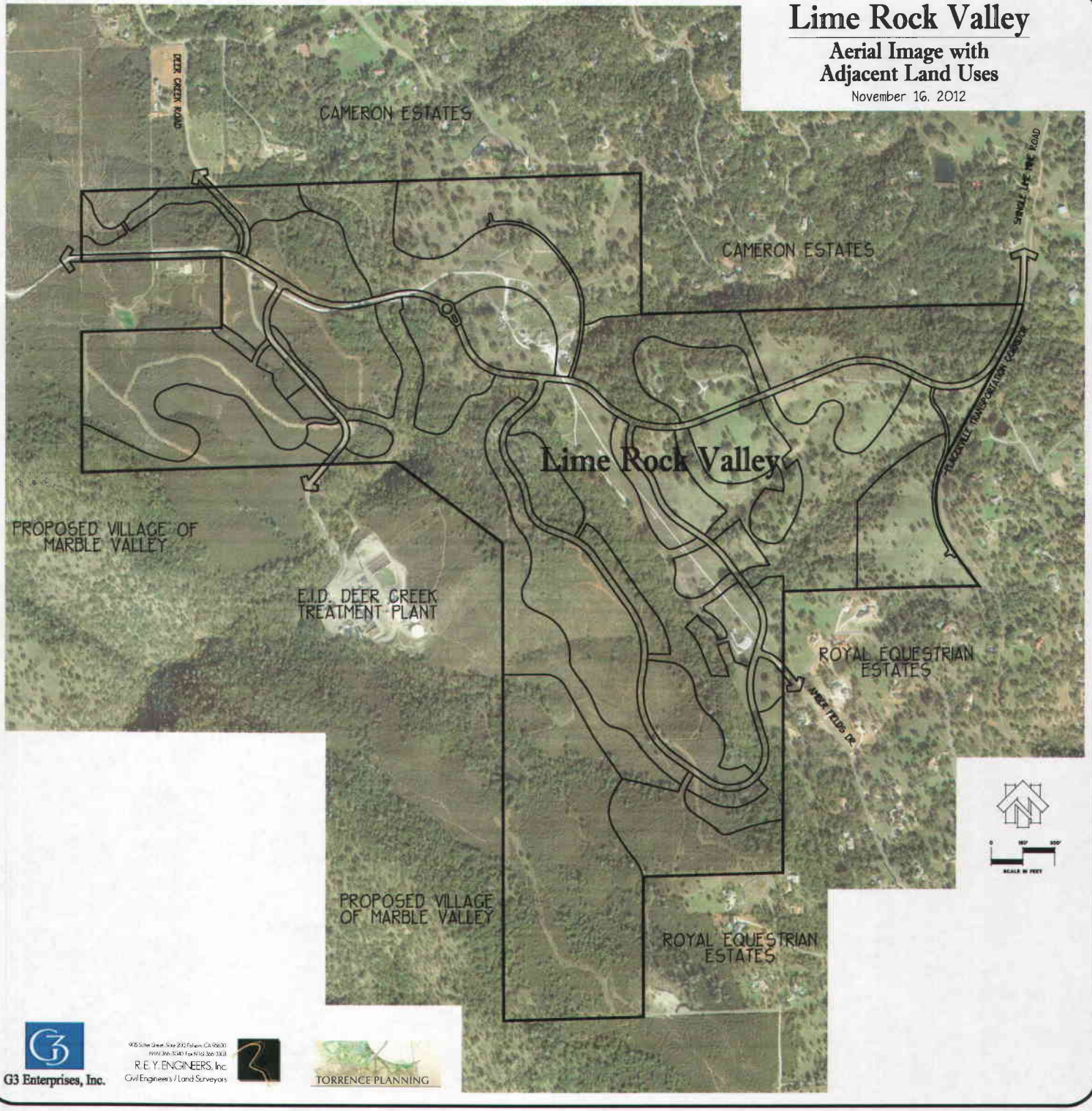
SCALE IN FEET

R.E.Y. ENGINEERS, Inc.
Civil Engineers / Land Surveyors

Lime Rock Valley

Aerial Image with Adjacent Land Uses

November 16, 2012



G3 Enterprises, Inc.

905 Sutter Street, Suite 200 Folsom, CA 95630
(916) 355-1040 Fax (916) 355-1818
R.E.Y. ENGINEERS, Inc.
Civil Engineers / Land Surveyors

TORRENCE PLANNING

Chiu, Bonnie

From: Rommel Pabalinas <rommel.pabalinas@edcgov.us>
Sent: Tuesday, December 11, 2012 3:09 PM
To: nahc@pacbell.net
Cc: Pat Angell; Kent MacDiarmid; Chiu, Bonnie
Subject: Quadrant, Sections, Township for Specific Plans

Dear Ms. Fowler:

Thank you for contacting me. Per your request below are the quadrant, section, township information for the Central El Dorado Hills, Village of Marble Valley, and Lime Rock Valley Specific Plan. The information supplements the correspondence that I sent today and last week. Please let me know should you need any additional information.

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Quadrant: Clarksville
Sections: 1-3, 11, 34 and 35
Township: 10N 08E and 09N 08E

Village of Marble Valley Specific Plan

Quadrants: Clarksville, Folsom SE, Latrobe and Shingle Springs
Sections: 7-9, 16, 17, 20-22
Township: 09N 09E

Lime Rock Valley Specific Plan

Quadrant: Shingle Springs and Latrobe
Sections: 14-16, 22
Township: 09N 09E

==========

Rommel (Mel) Pabalinas, Senior Planner
El Dorado County Development Services Department
Planning Division
2850 Fairlane Court
Placerville, CA 95667
Main Line 530-621-5355
Direct line 530-621-5363
Fax 530-642-0508

NOTICE: This e-mail and any files transmitted with it may contain confidential information, and are intended solely for the use of the individual or entity to whom they are addressed.
Any retransmission, dissemination or other use of the information by persons other than the intended recipient or entity is prohibited.
If you receive this e-mail in error please contact the sender by return e-mail and delete the material from your system.
Thank you.

STATE OF CALIFORNIA Edmund G. Brown, Jr., Governor

NATIVE AMERICAN HERITAGE COMMISSION
915 CAPITOL MALL, ROOM 364
SACRAMENTO, CA 95814
(916) 653-6251
Fax (916) 657-5390

January 15, 2013

Mel Pabalinas, Senior Planner
Development Services Department
County of El Dorado

Sent by Fax: 530-642-0508
Number of Pages: 2

RE: SB 18 Tribal Consultation and Sacred Lands File Check for the Lime Rock Valley, Central El Dorado Hills, Village of Marble Valley Specific Plans, File Nos. SP12-0001, SP12-0002, and SP12-0003; El Dorado County

Dear Mr. Pabalinas:

Government Code §65352.3 requires local governments to consult with California Native American tribes identified by the Native American Heritage Commission (NAHC) for the purpose of protecting, and/or mitigating impacts to cultural places. Attached is a consultation list of tribes with traditional lands or cultural places located within the boundaries of the above general plan amendment.

As a part of consultation, the NAHC recommends that local governments conduct record searches through the NAHC and California Historic Resources Information System (CHRIS) to determine if any cultural places are located within the area(s) affected by the proposed action. A record search of the Native American Heritage Commission *Sacred Lands File* indicates the potential of Native American cultural resources in the project vicinity that may be impacted. The site is on the *Shingle Springs* USGS quadrangle (Township 9 north, Range 9 east, section 9). The site is known as the *Boychuk Site.* It is also a recorded archaeological site, number CA-ELD-225. For specific information regarding this site, please contact the Singles Springs Rancheria. The tribe's telephone number is on the attached list. Local governments should also be aware that records maintained by the NAHC and CHRIS is not exhaustive. A tribe may be the only source of information regarding the existence of a cultural place.

If you receive notification of change of addresses and phone numbers from tribes, please notify me. With your assistance we are able to assure that our consultation list contains current information.

If you have any questions, please contact me at my email address: rw_nahc@pacbell.net.

Sincerely,

Rob Wood
Associate Government Program Analyst

RECEIVED
PLANNING DEPARTMENT
13 JAN 15 PM 2:11

TRIBAL CONSULTATION LIST
El Dorado County
January 15, 2013

Wilton Rancheria
Andrew Franklin, Chairperson
9300 W. Stockton, Suite Miwok
Elk Grove , CA 95758
916-683-6000

Shingle Springs Band of Miwok Indians
Nicholas Fonseca, Chairperson
P.O. Box 1340 Miwok
Shingle Springs, CA 95682 Maidu
nfonseca@ssband.org
(530) 676-8010

United Auburn Indian Community of the Auburn Rancheria
David Keyser, Chairperson
10720 Indian Hill Road Maidu
Auburn , CA 95603 Miwok
530-883-2390

Nashville-El Dorado Miwok
Cosme Valdez, Interim Chief Executive Officer
PO Box 580986 Miwok
Elk Grove , CA 95758
valdezcom@comcast.net
916-429-8047 voice

Ione Band of Miwok Indians
Yvonne Miller, Chairperson
PO Box 699 Miwok
Plymouth , CA 95669
(209) 274-6753

T'Si-akim Maidu
Grayson Coney, Cultural Director
P.O. Box 1316 Maidu
Colfax , CA 95713
akimmaidu@att.net
(530) 383-7234

Buena Vista Rancheria
Rhonda Morningstar Pope, Chairperson
1418 20th Street, Suite 200 Me-Wuk / Miwok
Sacramento , CA 95811
rhonda@buenavistatribe.com
916 491-0011

T si-Akim Maidu
Eileen Moon,Vice Chairperson
1239 East Main St. Maidu
Grass Valley, CA 95945
530-274-7497

This list is current only as of the date of this document.

Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code.

This list is applicable only for consultation with Native American tribes under Government Code Section 65352.3. Lime Rock Valley, Central El Dorado Hills, Village of Marble Valley Specific Plans, File NOS. SP12-0001, SP12-0002, and SP12-0003, El Dorado Co.

Wilton Rancheria
9300 W. Stockton Blvd., Suite 200
Elk Grove, CA 95758
Ph: (916) 683-6000
Fax: (916) 683-6015

13 MAR 18 PM 1:36
RECEIVED
PLANNING DEPARTMENT

March 15, 2013

To: Mel Pabalinas, Senior Planner

Development Services Department

County of El Dorado

2850 Fairlane Court

Placerville, CA 95667

Re: SB 18 Tribal Consultation for the Lime Rock Valley Specific Plan

Project File No. SP12-0003

Dear Mr. Pabalinas:

Thank you for your letter regarding the above named project. Wilton Rancheria is comprised of Miwok people whose ancestral territory spans are within El Dorado and surrounding Counties. Wilton Rancheria is concerned about development within its ancestral territory that has potential to impact the lifeways, traditional cultural properties and landscapes that may be of sacred or ceremonial significance. We appreciate the opportunity to comment on this and other projects in your jurisdiction.

To determine whether or not the project could affect cultural resources that may be of importance to Wilton Rancheria, we would like to receive copies of any completed record searches and or archeological, cultural and environmental surveys that have been, or will be, completed for the project. The information gathered will provide us with a better understanding of the project and cultural resources on site and is invaluable for consultation purposes.

Thank you again for taking these matters into consideration, please contact Steven Hutchason, Director of Cultural Rights Protection, at (916) 683-6000 or email at shutchason@wiltonrancheria-nsn.gov if you have any questions.

Sincerely,

Steven Hutchason, Director Cultural Rights Protection
Cc: Roger Trout

DEVELOPMENT SERVICES DEPARTMENT

COUNTY OF EL DORADO **http://www.edcgov.us/devservices**

PLACERVILLE OFFICE:
2850 FAIRLANE COURT PLACERVILLE, CA 95667
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SOUTH LAKE TAHOE, CA 96150
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December 6, 2012

Debbie Pilas-Treadway
Native American Heritage Commission
915 Capitol Mall, Room 364
Sacramento, CA 95814

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File Nos. SP12-0001, SP12-0002, and SP12-0003

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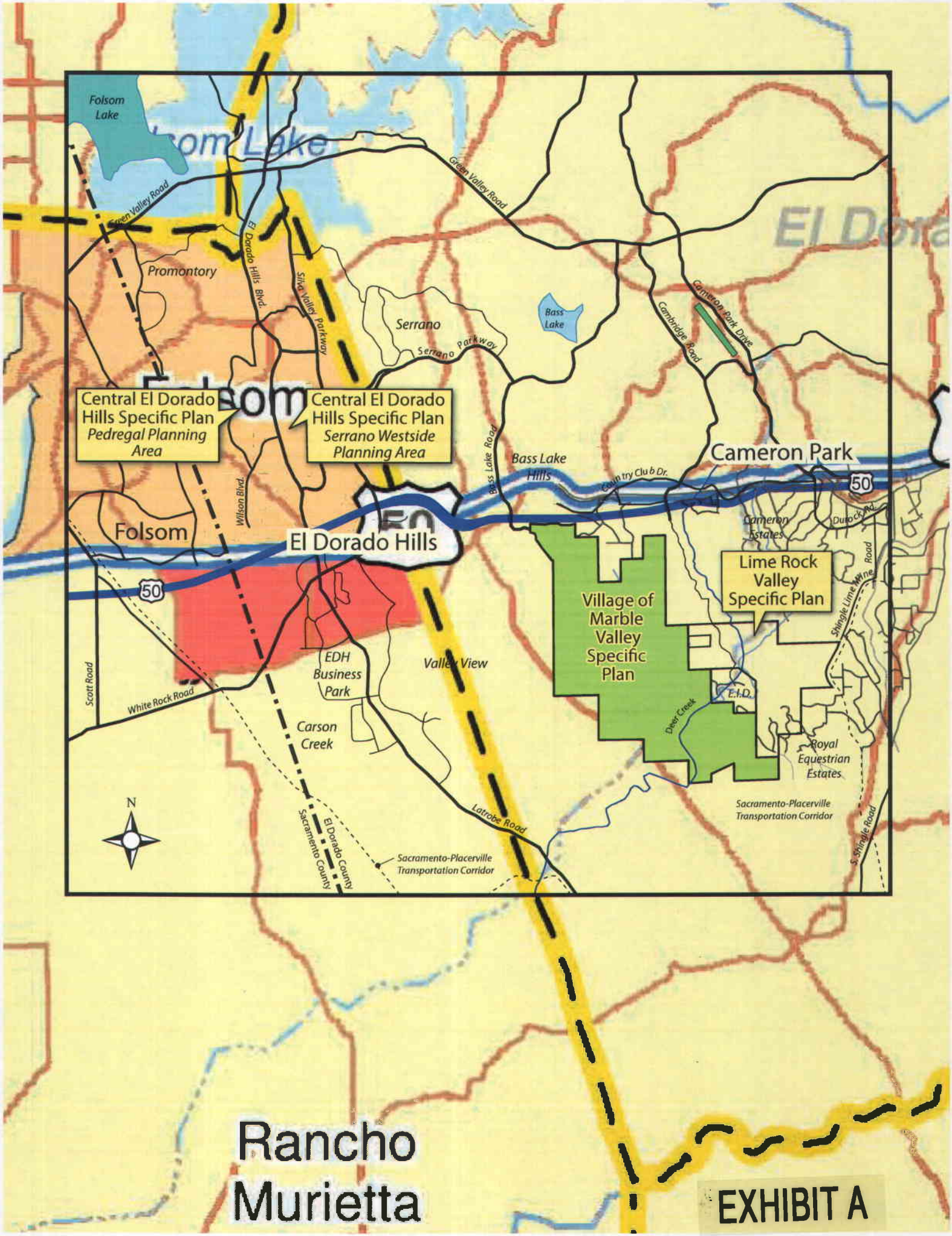
Cordially,

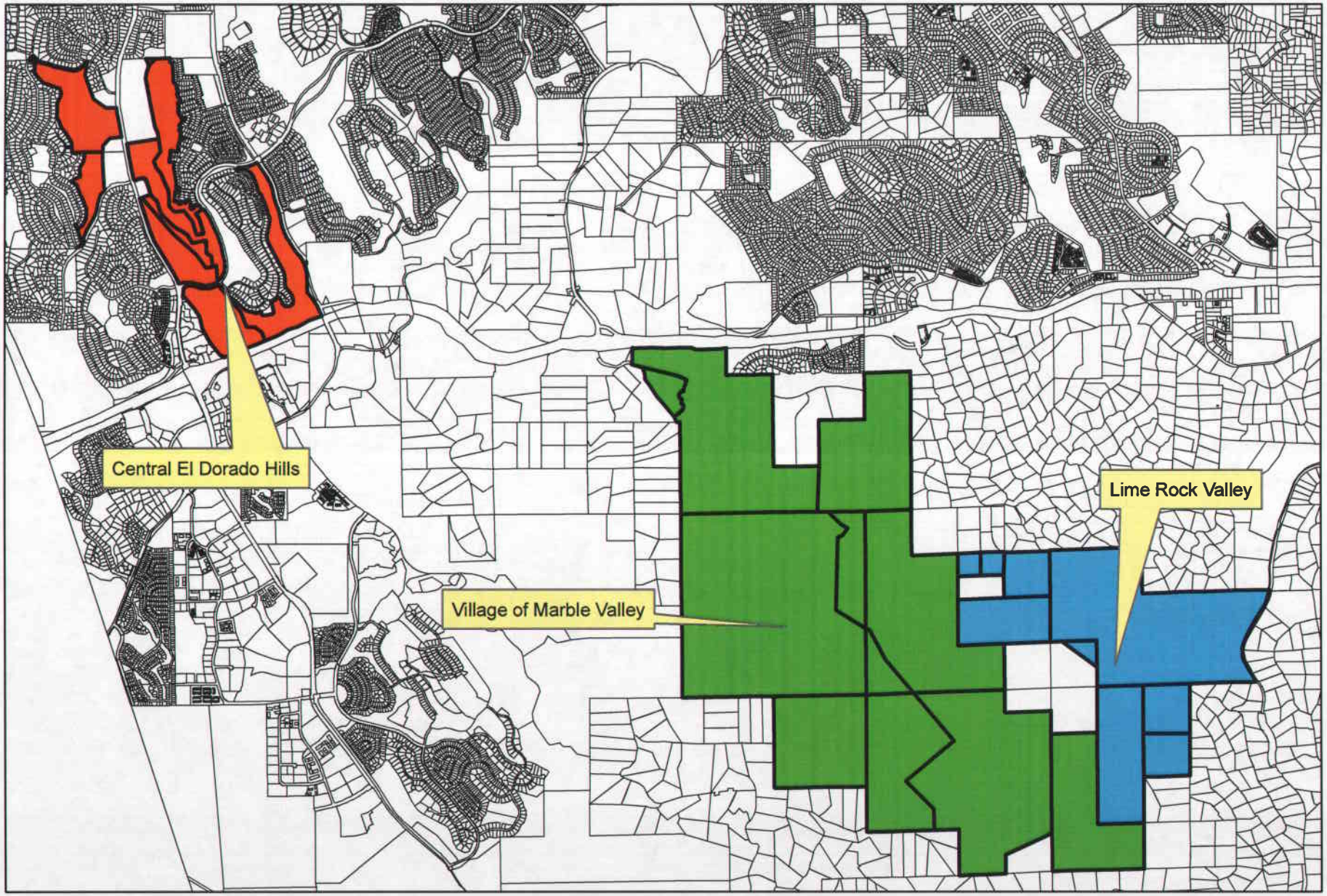
Mel Pabalinas, Senior Planner

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B. Specific Plan- Project Parcels
C. Quadrant, Township, and Range Maps
D. Specific Plan Exhibits

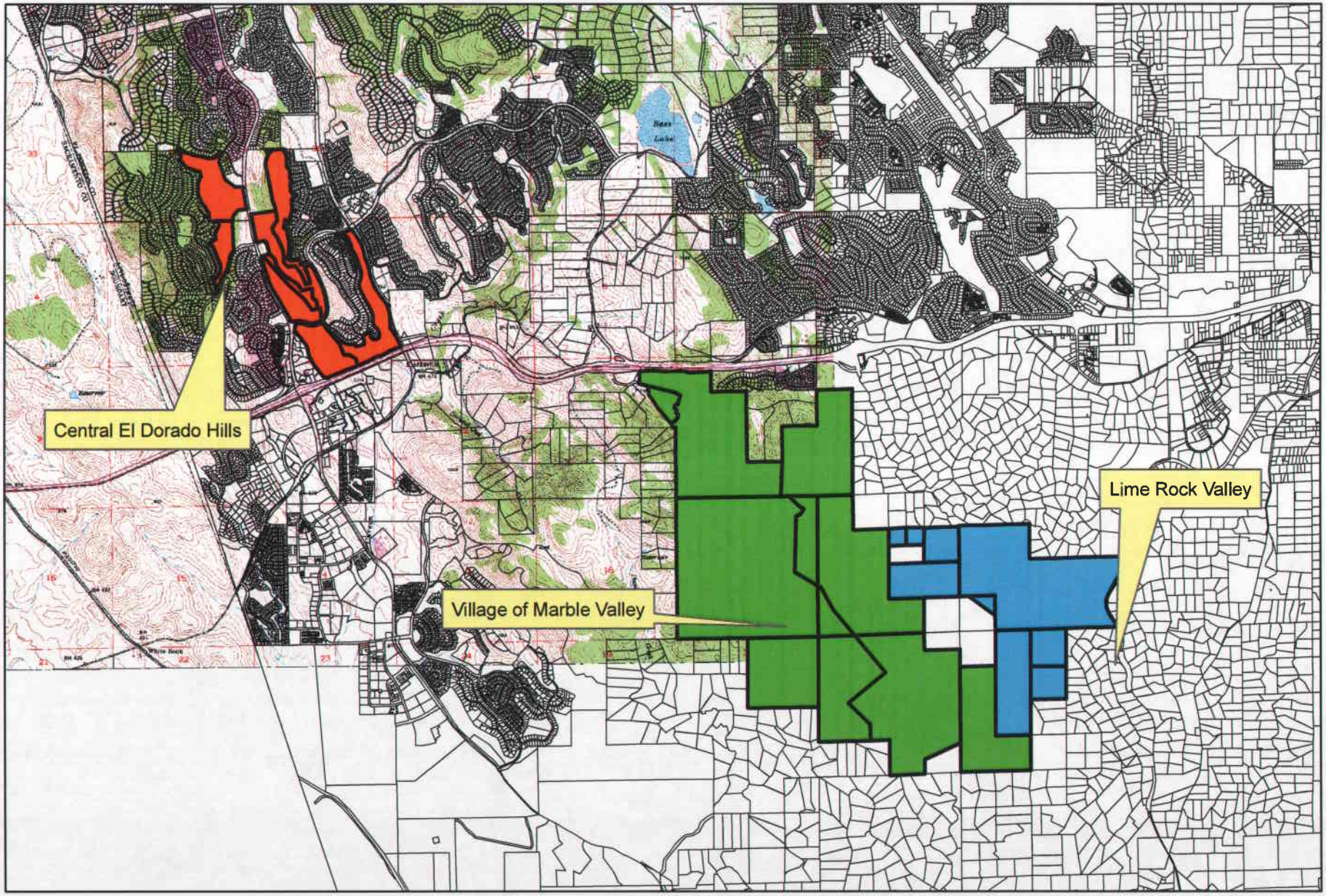
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Promontory
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Royal Equestrian Estates
Sacramento-Placerville Transportation Corridor
N
Latrobe Road
El Dorado County
Sacramento County
Sacramento-Placerville Transportation Corridor
S. Shingle Road
Rancho Murietta
EXHIBIT A



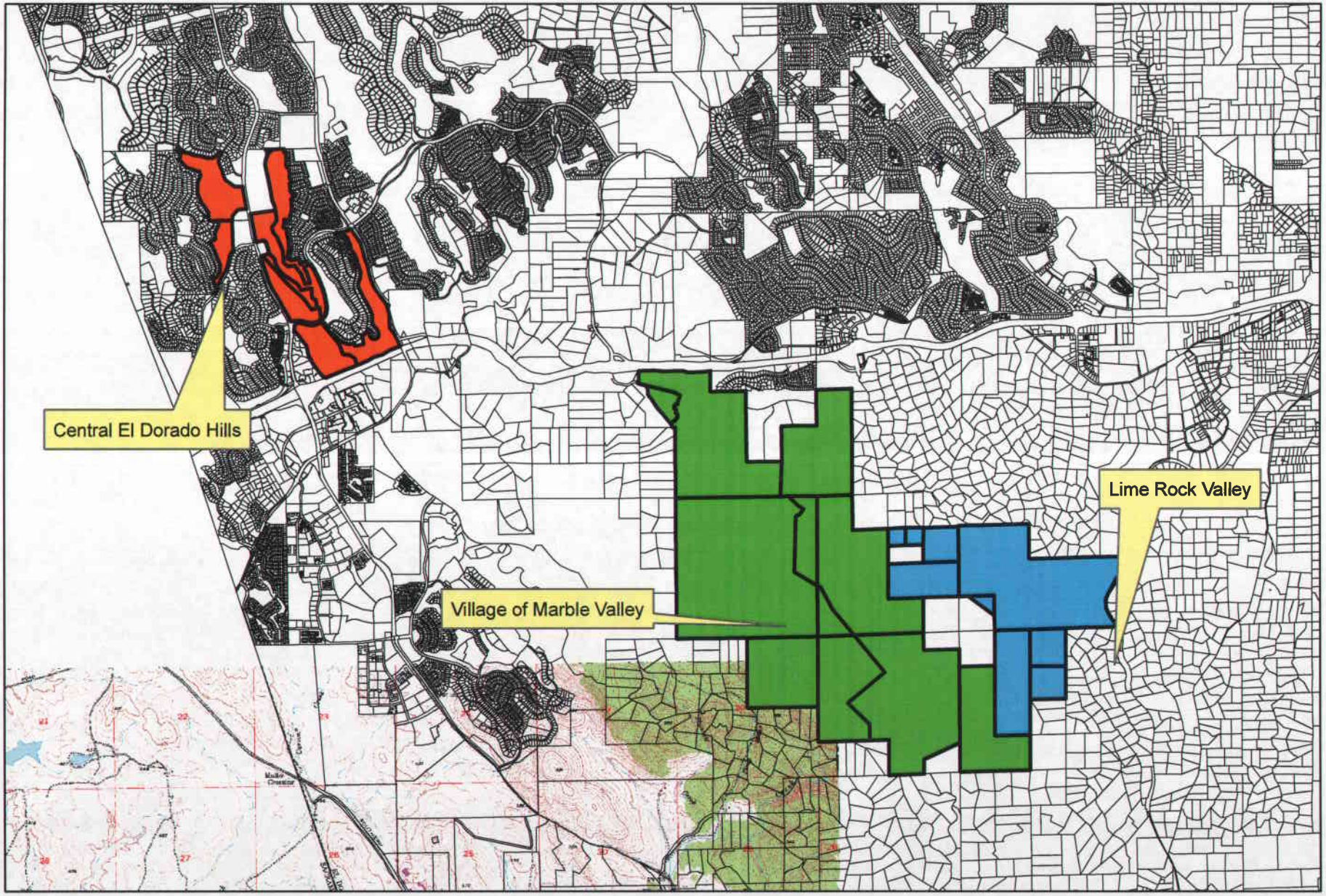
Central El Dorado Hills, Village of Marble Valley and Lime Rock Valley Specific Plans

EXHIBIT B

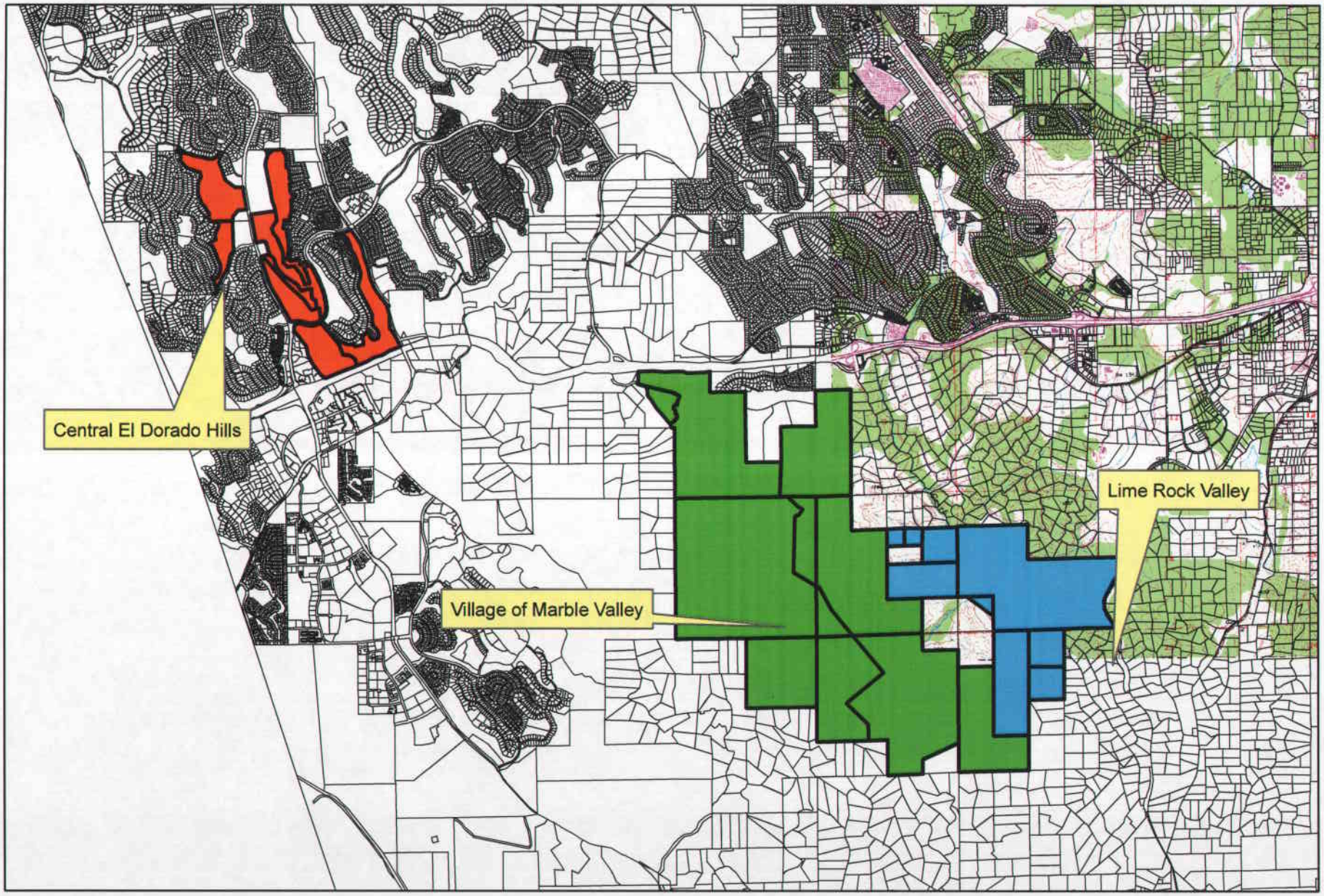


Central El Dorado Hills, Village of Marble Valley and Lime Rock Valley Specific Plans (Clarksville Quadrant)

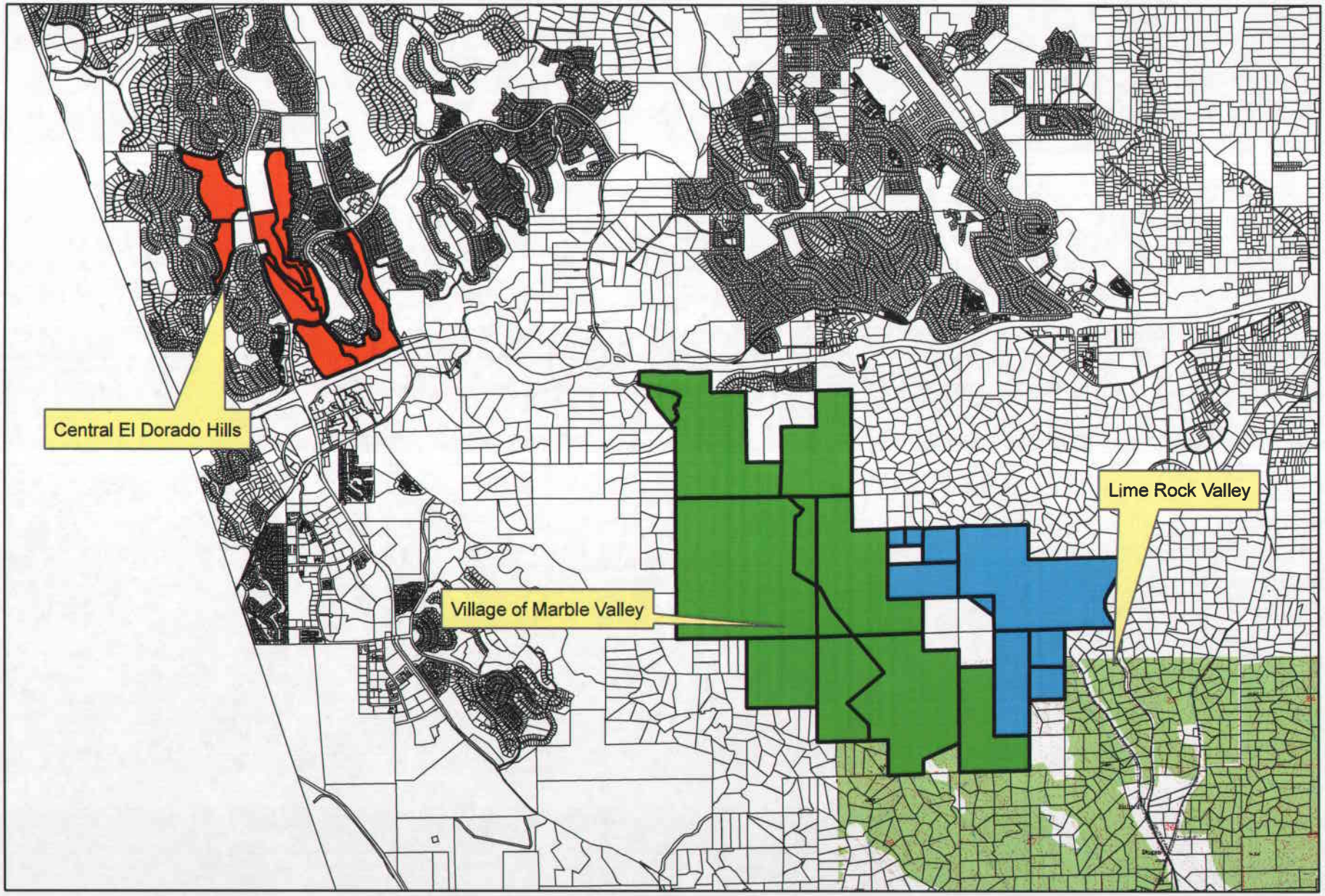
EXHIBIT C



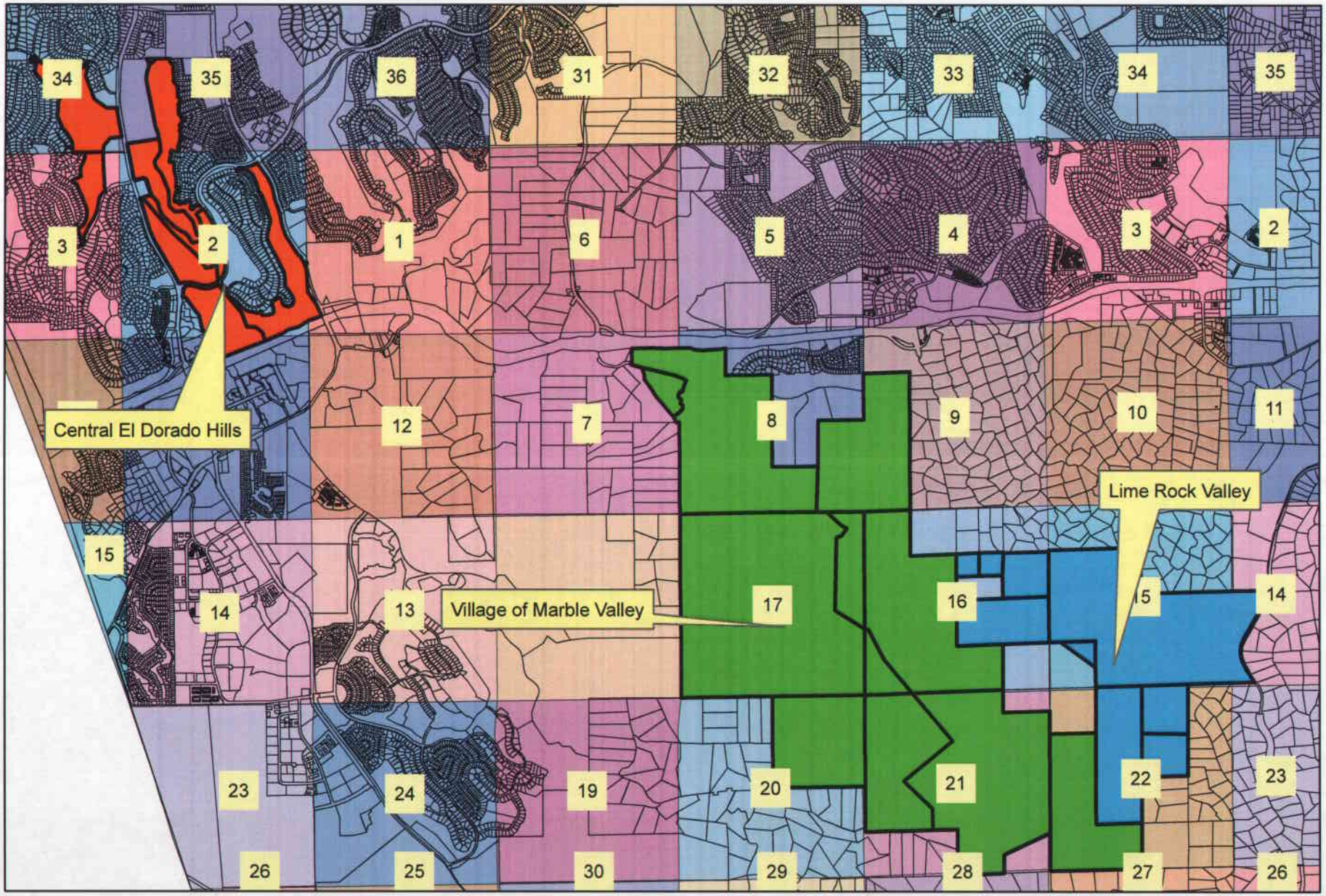
Central El Dorado Hills, Village of Marble Valley and Lime Rock Valley Specific Plans (Folsom SE Quadrant)



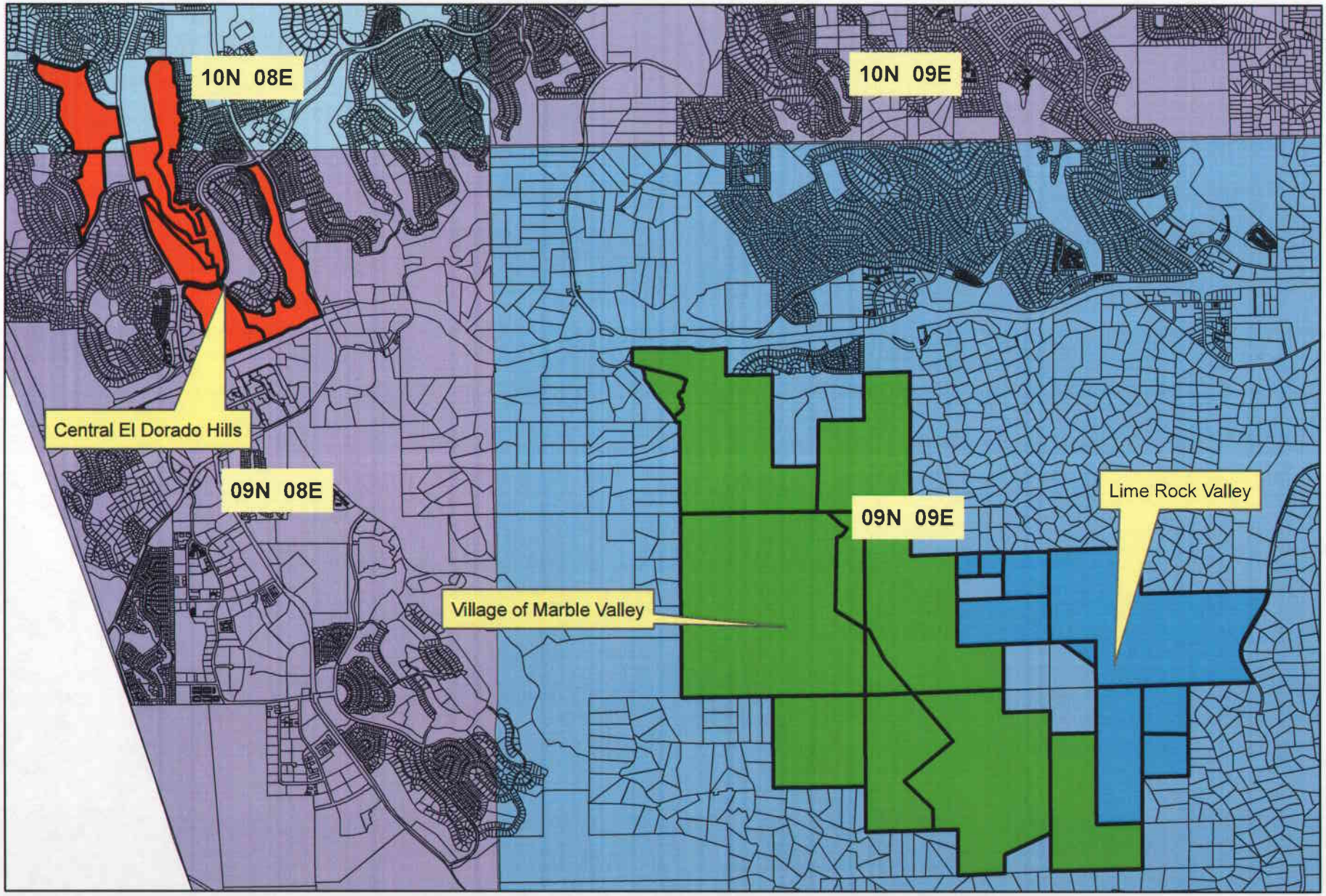
Central El Dorado Hills, Village of Marble Valley and Lime Rock Valley Specific Plans (Shingle Springs Quadrant)



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Central El Dorado Hills, Village of Marble Valley and Lime Rock Valley Specific Plans (Sections)



Central El Dorado Hills, Village of Marble Valley and Lime Rock Valley Specific Plans (Township and Range)

CENTRAL EL DORADO HILLS SPECIFIC PLAN

AERIAL MAP OF PROJECT SITE WITH ADJACENT USES

COUNTY OF EL DORADO, CALIFORNIA

NOVEMBER 2012



0 200' 400' 800'

SCALE IN FEET

925 Sunset Street Suite 200 Folsom, CA 95630
(916) 366-3040 Fax (916) 366-3303
R. E. Y. ENGINEERS, Inc.
Civil Engineers / Land Surveyors

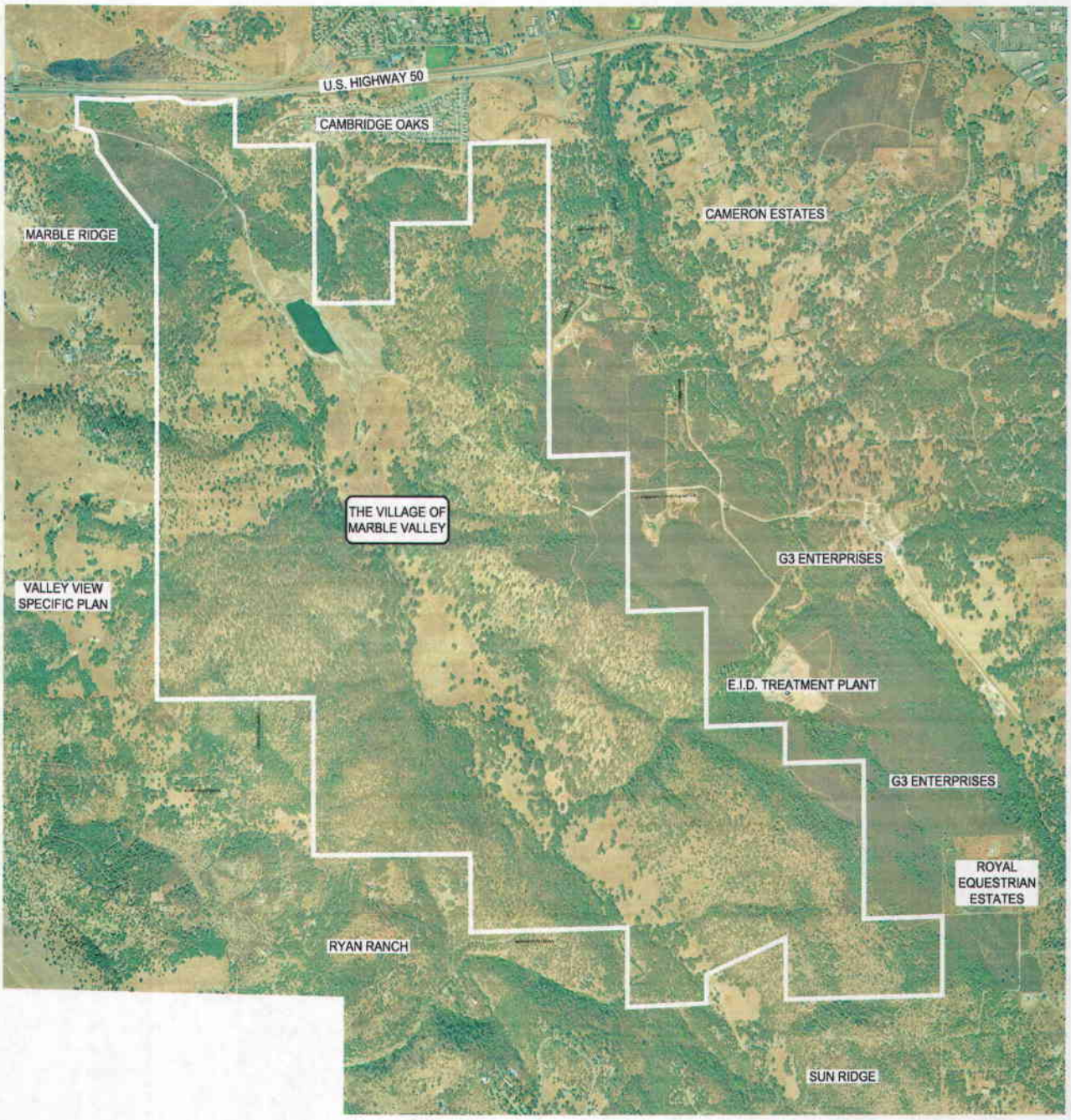
EXHIBIT D

THE VILLAGE OF MARBLE VALLEY SPECIFIC PLAN

AERIAL MAP OF PROJECT SITE WITH ADJACENT USES

COUNTY OF EL DORADO, CALIFORNIA

NOVEMBER 2012



0 400' 800' 1600'

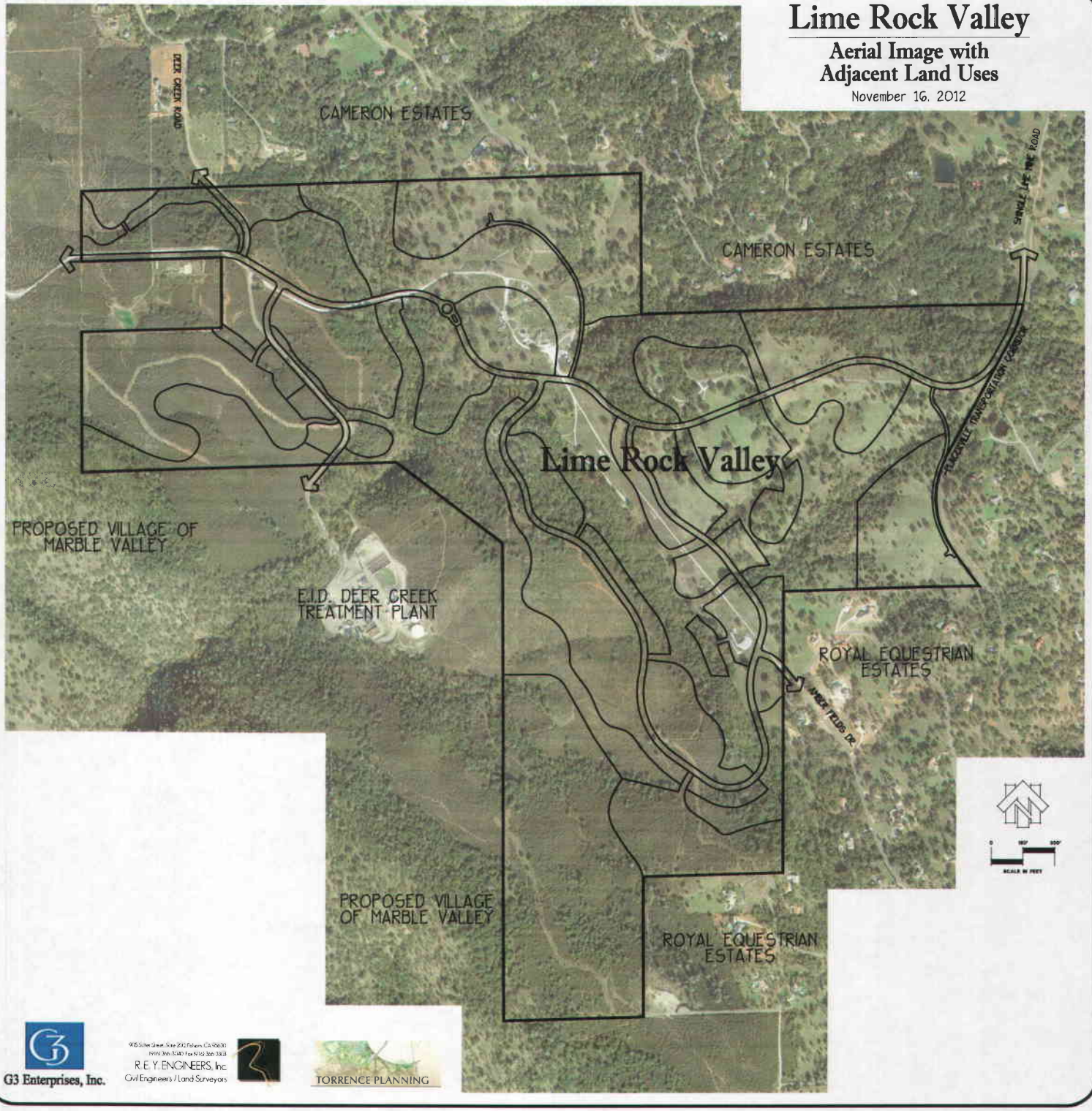
SCALE IN FEET

R.E.Y. ENGINEERS, Inc.
Civil Engineers / Land Surveyors

Lime Rock Valley

Aerial Image with Adjacent Land Uses

November 16, 2012



G3 Enterprises, Inc.

905 Sutter Street, Suite 200 Folsom, CA 95630
(916) 355-1040 Fax (916) 355-1818
R.E.Y. ENGINEERS, Inc.
Civil Engineers / Land Surveyors

TORRENCE PLANNING

Chiu, Bonnie

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Sent: Tuesday, December 11, 2012 3:09 PM
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Lime Rock Valley Specific Plan

Quadrant: Shingle Springs and Latrobe
Sections: 14-16, 22
Township: 09N 09E

==========

Rommel (Mel) Pabalinas, Senior Planner
El Dorado County Development Services Department
Planning Division
2850 Fairlane Court
Placerville, CA 95667
Main Line 530-621-5355
Direct line 530-621-5363
Fax 530-642-0508

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Thank you.

STATE OF CALIFORNIA Edmund G. Brown, Jr., Governor

NATIVE AMERICAN HERITAGE COMMISSION
915 CAPITOL MALL, ROOM 364
SACRAMENTO, CA 95814
(916) 653-6251
Fax (916) 657-5390

January 15, 2013

Mel Pabalinas, Senior Planner
Development Services Department
County of El Dorado

Sent by Fax: 530-642-0508
Number of Pages: 2

RE: SB 18 Tribal Consultation and Sacred Lands File Check for the Lime Rock Valley, Central El Dorado Hills, Village of Marble Valley Specific Plans, File Nos. SP12-0001, SP12-0002, and SP12-0003; El Dorado County

Dear Mr. Pabalinas:

Government Code §65352.3 requires local governments to consult with California Native American tribes identified by the Native American Heritage Commission (NAHC) for the purpose of protecting, and/or mitigating impacts to cultural places. Attached is a consultation list of tribes with traditional lands or cultural places located within the boundaries of the above general plan amendment.

As a part of consultation, the NAHC recommends that local governments conduct record searches through the NAHC and California Historic Resources Information System (CHRIS) to determine if any cultural places are located within the area(s) affected by the proposed action. A record search of the Native American Heritage Commission *Sacred Lands File* indicates the potential of Native American cultural resources in the project vicinity that may be impacted. The site is on the *Shingle Springs* USGS quadrangle (Township 9 north, Range 9 east, section 9). The site is known as the *Boychuk Site.* It is also a recorded archaeological site, number CA-ELD-225. For specific information regarding this site, please contact the Singles Springs Rancheria. The tribe's telephone number is on the attached list. Local governments should also be aware that records maintained by the NAHC and CHRIS is not exhaustive. A tribe may be the only source of information regarding the existence of a cultural place.

If you receive notification of change of addresses and phone numbers from tribes, please notify me. With your assistance we are able to assure that our consultation list contains current information.

If you have any questions, please contact me at my email address: rw_nahc@pacbell.net.

Sincerely,

Rob Wood
Associate Government Program Analyst

RECEIVED
PLANNING DEPARTMENT
13 JAN 15 PM 2:11

TRIBAL CONSULTATION LIST
El Dorado County
January 15, 2013

Wilton Rancheria
Andrew Franklin, Chairperson
9300 W. Stockton, Suite Miwok
Elk Grove , CA 95758
916-683-6000

Shingle Springs Band of Miwok Indians
Nicholas Fonseca, Chairperson
P.O. Box 1340 Miwok
Shingle Springs, CA 95682 Maidu
nfonseca@ssband.org
(530) 676-8010

United Auburn Indian Community of the Auburn Rancheria
David Keyser, Chairperson
10720 Indian Hill Road Maidu
Auburn , CA 95603 Miwok
530-883-2390

Nashville-El Dorado Miwok
Cosme Valdez, Interim Chief Executive Officer
PO Box 580986 Miwok
Elk Grove , CA 95758
valdezcom@comcast.net
916-429-8047 voice

Ione Band of Miwok Indians
Yvonne Miller, Chairperson
PO Box 699 Miwok
Plymouth , CA 95669
(209) 274-6753

T'Si-akim Maidu
Grayson Coney, Cultural Director
P.O. Box 1316 Maidu
Colfax , CA 95713
akimmaidu@att.net
(530) 383-7234

Buena Vista Rancheria
Rhonda Morningstar Pope, Chairperson
1418 20th Street, Suite 200 Me-Wuk / Miwok
Sacramento , CA 95811
rhonda@buenavistatribe.com
916 491-0011

T si-Akim Maidu
Eileen Moon,Vice Chairperson
1239 East Main St. Maidu
Grass Valley, CA 95945
530-274-7497

This list is current only as of the date of this document.

Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code.

This list is applicable only for consultation with Native American tribes under Government Code Section 65352.3. Lime Rock Valley, Central El Dorado Hills, Village of Marble Valley Specific Plans, File NOS. SP12-0001, SP12-0002, and SP12-0003, El Dorado Co.

MIWOK MAIDU United Auburn Indian Community of the Auburn Rancheria

Gene Whitehouse, Chairman | John L. Williams, Vice Chairman | Brenda Adams, Treasurer | Calvin Moman, Council Member

RECEIVED
PLANNING DEPARTMENT
2013 FEB 26 AM 11:59

February 12, 2013

Mel Pabalinas
Development Services Department
County of El Dorado
2850 Fairlane Court
Placerville, CA 95667

Subject: SB 18 Consultation for the Central El Dorado Hills SP, Project File No. SP12-0002

Dear Mr. Pabalinas,

Thank you for requesting information regarding the above referenced project. The United Auburn Indian Community (UAIC) of the Auburn Rancheria is comprised of Miwok and Southern Maidu (Nisenan) people whose tribal lands are within Placer County and ancestral territory spans into El Dorado, Nevada, Sacramento, Sutter, and Yuba counties. The UAIC is concerned about development within its aboriginal territory that has potential to impact the lifeways, cultural sites, and landscapes that may be of sacred or ceremonial significance. We appreciate the opportunity to comment on this and other projects in your jurisdiction.

In order to ascertain whether or not the project could affect cultural resources that may be of importance to the UAIC, we would like to receive copies of any archaeological reports that have been, or will be, completed for the project. We also request copies of future environmental documents for the proposed project so that we have the opportunity to comment on potential impacts and proposed mitigation measures related to cultural resources. The UAIC would also like the opportunity to have our tribal monitors accompany you during the field survey. The information gathered will provide us with a better understanding of the project and cultural resources on site and is invaluable for consultation purposes.

The UAIC's preservation committee has identified cultural resources within your project area and in close proximity, and would like to request a site visit to confirm their locations and meet with you regarding this project. Thank you again for taking these matters into consideration, and for involving the UAIC early in the planning process. We look forward to reviewing the aforementioned documents as requested. Please contact Marcos Guerrero, Cultural Resources Manager, at (530) 883-2364 or email at mguerrero@auburnrancheria.com if you have any questions.

Sincerely,

Gene Whitehouse,
Chairman

CC: Marcos Guerrero, CRM

Response to SB 18 Consultation Letter from United Auburn Indian Community

Rommel Pabalinas <rommel.pabalinas@edcgov.us> Fri, Mar 1, 2013 at 12:09 PM
To: Marcos Guerrero <mguerrero@auburnrancheria.com>

Hello, Marcos:

Per our discussion this morning, the response letter that I received from Gene Whitehouse appears to respond only to the Central El Dorado Hills Specific Plan (file number SP12-0002). As I indicated in our discussion, I distributed two other SB 18 Consultation letters involving Lime Rock Valley Specific Plan (SP12-0001) and Village of Marble Valley Specific Plan. Please let me know in writing if you would like to extend a similar request to be consulted on these two other projects.

Thank you.

--
==========
Rommel (Mel) Pabalinas, Senior Planner
El Dorado County Development Services Department
Planning Division
2850 Fairlane Court
Placerville, CA 95667
Main Line 530-621-5355
Direct line 530-621-5363
Fax 530-642-0508

Wilton Rancheria

9300 W. Stockton Blvd., Suite 200
Elk Grove, CA 95758
Ph: (916) 683-6000
Fax: (916) 683-6015

13 MAR 18 PM 1:36
RECEIVED
PLANNING DEPARTMENT

March 15, 2013

To: Mel Pabalinas, Senior Planner

Development Services Department

County of El Dorado

2850 Fairlane Court

Placerville, CA 95667

Re: SB 18 Tribal Consultation for Central El Dorado Hills Specific Plan Project

File No. SP12-0002

Dear Mr. Pabalinas:

Thank you for your letter regarding the above named project. Wilton Rancheria is comprised of Miwok people whose ancestral territory spans are within El Dorado and surrounding Counties. Wilton Rancheria is concerned about development within its ancestral territory that has potential to impact the lifeways, traditional cultural properties and landscapes that may be of sacred or ceremonial significance. We appreciate the opportunity to comment on this and other projects in your jurisdiction.

To determine whether or not the project could affect cultural resources that may be of importance to Wilton Rancheria, we would like to receive copies of any completed record searches and or archeological, cultural and environmental surveys that have been, or will be, completed for the project. The information gathered will provide us with a better understanding of the project and cultural resources on site and is invaluable for consultation purposes.

Thank you again for taking these matters into consideration, please contact Steven Hutchason, Director of Cultural Rights Protection, at (916) 683-6000 or email at shutchason@wiltonrancheria-nsn.gov if you have any questions.

Sincerely,

Steven Hutchason, Director Cultural Rights Protection
Cc: Roger Trout

HISTORIC RESOURCE ASSOCIATES
HISTORIC ARCHITECTURE • ARCHAEOLOGY • HISTORICAL & GENEALOGICAL RESEARCH
NATIONAL REGISTER NOMINATIONS • HISTORIC INTERIORS

August 10, 2012

Native American Heritage Commission
915 Capital Mall, Room 364
Sacramento, CA 95814

Re: Lime Rock Valley Development Plan
El Dorado County, California

To Whom it may concern:

Historic Resource Associates (HRA) requests any information from the commission's database regarding cultural resources or sacred sites located within the proposed Lime Rock Valley Development Plan. The project is located in portions of Section 14, 15, 16 and 22 in Township 9 North, Range 9 East on the USGS *Shingle Springs, California* Quadrangle Map, south of Cameron Park and southwest of Shingle Springs, covering approximately 740 acres.

The land use plan, which is in its beginning stages, calls for a variety of uses, including low density residential, high density residential, neighborhood parks, open space, and proposed roads. Two archaeological studies have been conducted within the boundaries of the project area. Please refer to the enclosed G3 Enterprises Project Location Map for specific project locations. If you have any knowledge of cultural resources within the project area, please feel free to contact me.

Respectfully,

Dana E. Supernowicz, Principal

cc: Jared Rowe, G3 Enterprises, Inc.

2001 Sheffield Drive
El Dorado Hills, CA 95762-5905
Tel: 916-941-1864
Fax: 916-941-9466
Email: historic.resource@comcast.net

STATE OF CALIFORNIA Edmund G. Brown, Jr., Governor

NATIVE AMERICAN HERITAGE COMMISSION
915 CAPITOL MALL, ROOM 364
SACRAMENTO, CA 95814
(916) 653-6251
Fax (916) 657-5390

August 27, 2012

Dana E. Supernowicz
Historical Resource Associates
2001 Sheffield Drive
El Dorado Hills, CA 95762-5905

Sent by Fax: 916-941-9466
Number of Pages: 2

Re: Lime Rock Valley Development Plan, El Dorado County.

Dear Ms. Supernowicz:

A record search of the sacred land file has failed to indicate the presence of Native American cultural resources in the immediate project area. The absence of specific site information in the sacred lands file does not indicate the absence of cultural resources in any project area. Other sources of cultural resources should also be contacted for information regarding known and recorded sites.

Enclosed is a list of Native Americans individuals/organizations who may have knowledge of cultural resources in the project area. The Commission makes no recommendation or preference of a single individual, or group over another. This list should provide a starting place in locating areas of potential adverse impact within the proposed project area. I suggest you contact all of those indicated, if they cannot supply information, they might recommend others with specific knowledge. By contacting all those listed, your organization will be better able to respond to claims of failure to consult with the appropriate tribe or group. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from any of these individuals or groups, please notify me. With your assistance we are able to assure that our lists contain current information. If you have any questions or need additional information, please contact me at (916) 653-4038.

Sincerely,

Debbie Pilas-Treadway
Environmental Specialist III

Native American Contacts
El Dorado County
August 27, 2012

April Wallace Moore
19630 Placer Hills Road
Colfax , CA 95713
530-637-4279
Nisenan - So Maidu
Konkow
Washoe

T si-Akim Maidu
Eileen Moon,Vice Chairperson
1239 East Main St.
Grass Valley , CA 95945
(530) 477-0711
Maidu

Colfax-Todds Valley Consolidated Tribe
Judith Marks
1068 Silverton Circle
Lincoln , Cali 95648
916-670-5714
916-434-7876 - home
Miwok
Maidu

T'Si-akim Maidu
Grayson Coney, Cultural Director
P.O. Box 1316
Colfax , CA 95713
akimmaidu@att.net
(530) 383-7234
Maidu

Shingle Springs Band of Miwok Indians
Sam Daniels, Vice Chairperson
P.O. Box 1340
Shingle Springs , CA 95682
(530) 676-8010
(530) 676-8033 Fax
Miwok
Maidu

United Auburn Indian Community of the Auburn Rancheria
David Keyser, Chairperson
10720 Indian Hill Road
Auburn , CA 95603
530-883-2390
530-883-2380 - Fax
Maidu
Miwok

Shingle Springs Band of Miwok Indians
Nicholas Fonseca, Chairperson
P.O. Box 1340
Shingle Springs , CA 95682
nfonseca@ssband.org
(530) 676-8010
(530) 676-8033 Fax
Miwok
Maidu

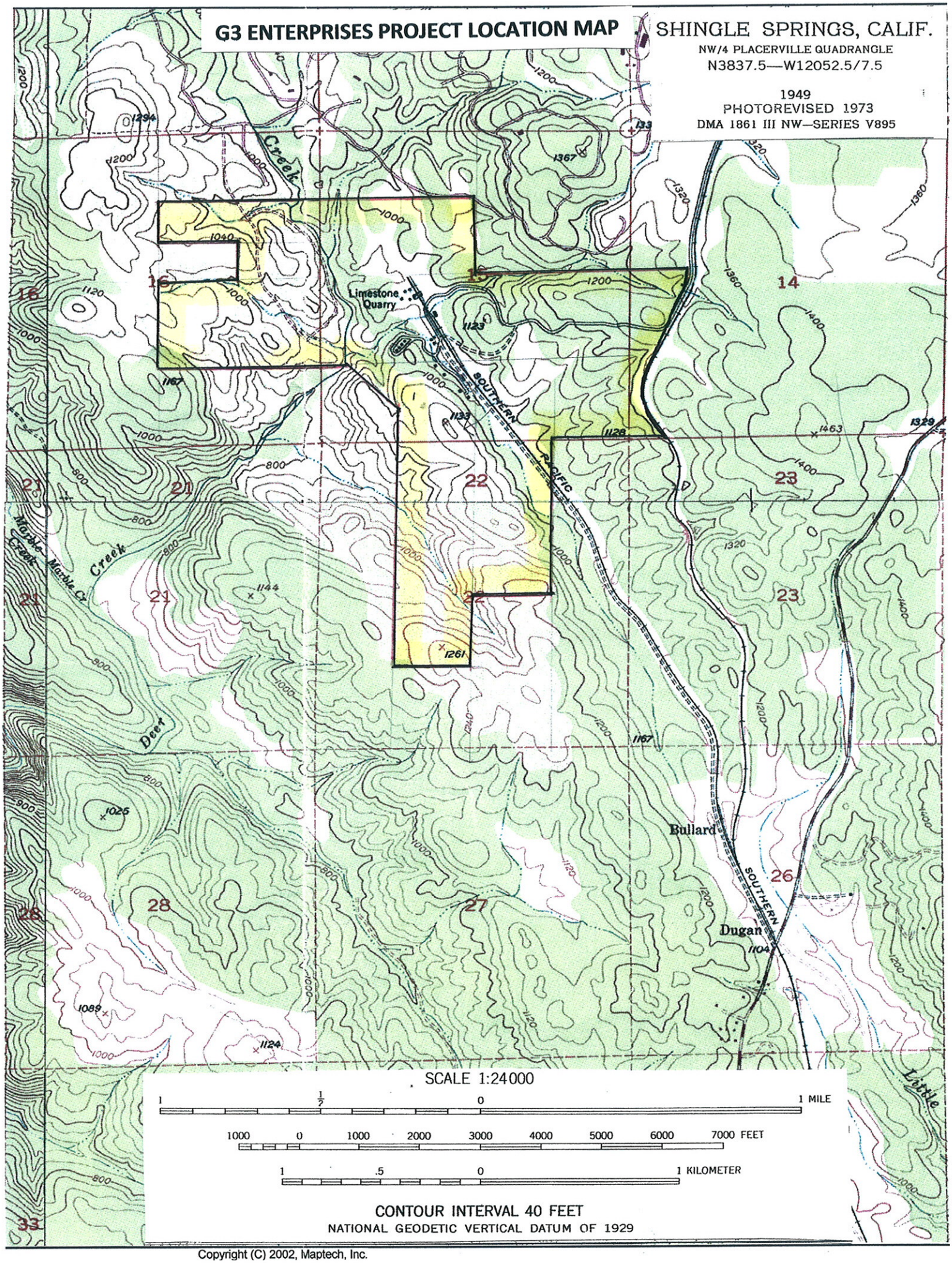
United Auburn Indian Community of the Auburn Rancheria
Marcos Guerrero, Tribal Preservation Committee
10720 Indian Hill Road
Auburn , CA 95603
mguerrero@auburnrancheria.com
530-883-2364
530-883-2320 - Fax
Maidu
Miwok

Shingle Springs Band of Miwok Indians
Daniel Fonseca
P.O. Box 1340
Shingle Springs , CA 95682
(530) 676-8010
(530) 676-8033 Fax
Miwok
Maidu

This list is current only as of the date of this document.

Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code

This list is only applicable for contacting local Native Americans with regard to cultural resources for the proposed Lime Rock Valley Development Plan, El Dorado County



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HISTORIC ARCHITECTURE • ARCHAEOLOGY • HISTORICAL & GENEALOGICAL RESEARCH
NATIONAL REGISTER NOMINATIONS • HISTORIC INTERIORS

August 10, 2012

Gregory S. Baker
United Auburn Indian Community
Of the Auburn Rancheria
10720 Indian Hill Road
Auburn, CA 95603

Re: Lime Rock Valley Development Plan
El Dorado County, California

Dear Mr. Baker:

Historic Resource Associates (HRA) requests any information from your tribe regarding cultural resources or sacred sites located within the proposed Lime Rock Valley Development Plan. The project is located in portions of Section 14, 15, 16 and 22 in Township 9 North, Range 9 East on the USGS *Shingle Springs, California* Quadrangle Map, south of Cameron Park and southwest of Shingle Springs, covering approximately 740 acres.

The land use plan, which is in its beginning stages, calls for a variety of uses, including low density residential, high density residential, neighborhood parks, open space, and proposed roads. Two archaeological studies have been conducted within the boundaries of the project area. Please refer to the enclosed G3 Enterprises Project Location Map for specific project locations. If you have any knowledge of cultural resources within the project area, please feel free to contact me.

Respectfully,

Dana E. Supernowicz, Principal

cc: Jared Rowe, G3 Enterprises, Inc.

2001 Sheffield Drive
El Dorado Hills, CA 95762-5905
Tel: 916-941-1864
Fax: 916-941-9466
Email: historic.resource@comcast.net

HISTORIC RESOURCE ASSOCIATES
HISTORIC ARCHITECTURE • ARCHAEOLOGY • HISTORICAL & GENEALOGICAL RESEARCH
NATIONAL REGISTER NOMINATIONS • HISTORIC INTERIORS

August 10, 2012

Daniel Fonseca
Cultural Resource Director
Shingle Springs Rancheria
P.O. Box 1340
Shingle Springs, CA 95682

Re: Lime Rock Valley Development Plan
El Dorado County, California

Dear Mr. Fonseca:

Historic Resource Associates (HRA) requests any information from your tribe regarding cultural resources or sacred sites located within the proposed Lime Rock Valley Development Plan. The project is located in portions of Section 14, 15, 16 and 22 in Township 9 North, Range 9 East on the USGS *Shingle Springs, California* Quadrangle Map, south of Cameron Park and southwest of Shingle Springs, covering approximately 740 acres.

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Respectfully,

Dana E. Supernowicz, Principal

cc: Jared Rowe, G3 Enterprises, Inc.

2001 Sheffield Drive
El Dorado Hills, CA 95762-5905
Tel: 916-941-1864
Fax: 916-941-9466
Email: historic.resource@comcast.net

HISTORIC RESOURCE ASSOCIATES
HISTORIC ARCHITECTURE • ARCHAEOLOGY • HISTORICAL & GENEALOGICAL RESEARCH
NATIONAL REGISTER NOMINATIONS • HISTORIC INTERIORS

August 10, 2012

El Dorado Miwok Tribe
P.O. Box 711
El Dorado, CA

Re: Lime Rock Valley Development Plan
El Dorado County, California

To Whom it may concern:

Historic Resource Associates (HRA) requests any information from your tribe regarding cultural resources or sacred sites located within the proposed Lime Rock Valley Development Plan. The project is located in portions of Section 14, 15, 16 and 22 in Township 9 North, Range 9 East on the USGS *Shingle Springs, California* Quadrangle Map, south of Cameron Park and southwest of Shingle Springs, covering approximately 740 acres.

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Respectfully,

Dana E. Supernowicz, Principal

cc: Jared Rowe, G3 Enterprises, Inc.

2001 Sheffield Drive
El Dorado Hills, CA 95762-5905
Tel: 916-941-1864
Fax: 916-941-9466
Email: historic.resource@comcast.net

HISTORIC RESOURCE ASSOCIATES
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NATIONAL REGISTER NOMINATIONS • HISTORIC INTERIORS

August 10, 2012

Eileen Moon, Vice Chairperson
T si-Akim Maidu
1239 East Main Street
Grass Valley, CA 95945

Re: Lime Rock Valley Development Plan
El Dorado County, California

Dear Ms. Moon:

Historic Resource Associates (HRA) requests any information from your tribe regarding cultural resources or sacred sites located within the proposed Lime Rock Valley Development Plan. The project is located in portions of Section 14, 15, 16 and 22 in Township 9 North, Range 9 East on the USGS *Shingle Springs, California* Quadrangle Map, south of Cameron Park and southwest of Shingle Springs, covering approximately 740 acres.

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Respectfully,

Dana E. Supernowicz, Principal

cc: Jared Rowe, G3 Enterprises, Inc.

2001 Sheffield Drive
El Dorado Hills, CA 95762-5905
Tel: 916-941-1864
Fax: 916-941-9466
Email: historic.resource@comcast.net

HISTORIC RESOURCE ASSOCIATES
HISTORIC ARCHITECTURE • ARCHAEOLOGY • HISTORICAL & GENEALOGICAL RESEARCH
NATIONAL REGISTER NOMINATIONS • HISTORIC INTERIORS

August 10, 2012

Rhonda Morningstar Pope, Chairperson
Buena Vista Rancheria
P.O. 162283
Sacramento, CA 95816

Re: Lime Rock Valley Development Plan
El Dorado County, California

Dear Ms. Pope:

Historic Resource Associates (HRA) requests any information from your tribe regarding cultural resources or sacred sites located within the proposed Lime Rock Valley Development Plan. The project is located in portions of Section 14, 15, 16 and 22 in Township 9 North, Range 9 East on the USGS *Shingle Springs, California* Quadrangle Map, south of Cameron Park and southwest of Shingle Springs, covering approximately 740 acres.

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Respectfully,

Dana E. Supernowicz, Principal

cc: Jared Rowe, G3 Enterprises, Inc.

2001 Sheffield Drive
El Dorado Hills, CA 95762-5905
Tel: 916-941-1864
Fax: 916-941-9466
Email: historic.resource@comcast.net

HISTORIC RESOURCE ASSOCIATES
HISTORIC ARCHITECTURE • ARCHAEOLOGY • HISTORICAL & GENEALOGICAL RESEARCH
NATIONAL REGISTER NOMINATIONS • HISTORIC INTERIORS

August 10, 2012

April Wallace Moore
19630 Placer Hills Road
Colfax, CA 95713

Re: Lime Rock Valley Development Plan
El Dorado County, California

Dear Ms. Moore:

Historic Resource Associates (HRA) requests any information from you regarding cultural resources or sacred sites located within the proposed Lime Rock Valley Development Plan. The project is located in portions of Section 14, 15, 16 and 22 in Township 9 North, Range 9 East on the USGS *Shingle Springs, California* Quadrangle Map, south of Cameron Park and southwest of Shingle Springs, covering approximately 740 acres.

The land use plan, which is in its beginning stages, calls for a variety of uses, including low density residential, high density residential, neighborhood parks, open space, and proposed roads. Two archaeological studies have been conducted within the boundaries of the project area. Please refer to the enclosed G3 Enterprises Project Location Map for specific project locations. If you have any knowledge of cultural resources within the project area, please feel free to contact me.

Respectfully,

Dana E. Supernowicz, Principal

cc: Jared Rowe, G3 Enterprises, Inc.

2001 Sheffield Drive
El Dorado Hills, CA 95762-5905
Tel: 916-941-1864
Fax: 916-941-9466
Email: historic.resource@comcast.net

HISTORIC RESOURCE ASSOCIATES
HISTORIC ARCHITECTURE • ARCHAEOLOGY • HISTORICAL & GENEALOGICAL RESEARCH
NATIONAL REGISTER NOMINATIONS • HISTORIC INTERIORS

August 10, 2012

Yvonne Miller, Chairperson
P.O. Box 699
Plymouth, CA 95669

Re: Lime Rock Valley Development Plan
El Dorado County, California

Dear Ms. Miller:

Historic Resource Associates (HRA) requests any information from your tribe regarding cultural resources or sacred sites located within the proposed Lime Rock Valley Development Plan. The project is located in portions of Section 14, 15, 16 and 22 in Township 9 North, Range 9 East on the USGS *Shingle Springs, California* Quadrangle Map, south of Cameron Park and southwest of Shingle Springs, covering approximately 740 acres.

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Respectfully,

Dana E. Supernowicz, Principal

cc: Jared Rowe, G3 Enterprises, Inc.

2001 Sheffield Drive
El Dorado Hills, CA 95762-5905
Tel: 916-941-1864
Fax: 916-941-9466
Email: historic.resource@comcast.net

MIWOK
MAIDU

United Auburn Indian Community
of the Auburn Rancheria

David Keyser, Chairman
Kimberly DuBach, Vice Chair
Gene Whitehouse, Secretary
Brenda Adams, Treasurer
Calvin Moman, Council Member

August 20, 2012

Dana Supernowicz
Historic Resource Associates
2001 Sheffield Drive
El Dorado Hills, CA 95762-5905

Subject: Lime Rock Valley Development Plan

Dear Dana Supernowicz,

Thank you for requesting information regarding the above referenced project. The United Auburn Indian Community (UAIC) of the Auburn Rancheria is comprised of Miwok and Southern Maidu (Nisenan) people whose tribal lands are within Placer County and ancestral territory spans into El Dorado, Nevada, Sacramento, Sutter, and Yuba counties. The UAIC is concerned about development within its aboriginal territory that has potential to impact the lifeways, cultural sites, and landscapes that may be of sacred or ceremonial significance. We appreciate the opportunity to comment on this and other projects in your jurisdiction.

In order to ascertain whether or not the project could affect cultural resources that may be of importance to the UAIC, we would like to receive copies of any archaeological reports that have been, or will be, completed for the project. We also request copies of future environmental documents for the proposed project so that we have the opportunity to comment on potential impacts and proposed mitigation measures related to cultural resources. The UAIC would also like the opportunity to have our tribal monitors accompany you during the field survey. The information gathered will provide us with a better understanding of the project and cultural resources on site and is invaluable for consultation purposes.

The UAIC's Preservation Committee has identified cultural resources within your project area and in close proximity, and would like to request a site visit to confirm their locations and meet with you regarding this project. Thank you again for taking these matters into consideration, and for involving the UAIC early in the planning process. We look forward to reviewing the aforementioned documents as requested. Please contact Marcos Guerrero, Tribal Historic Preservation Officer, at (530) 883-2364 or email at mguerrero@auburnrancheria.com if you have any questions.

Sincerely,

David Keyser,
Chairman

CC: Marcos Guerrero, THPO

SHINGLE SPRINGS RANCHERIA

Shingle Springs Band of Miwok Indians,
Shingle Springs Rancheria
(Verona Tract), California
5281 Honpie Road, Placerville, CA 95667
P.O. Box 1340, Shingle Springs, CA 95682
(530) 676-8010 Office (530)676-8033 Fax

August 21, 2012

Historic Resource Associates
2001 Sheffield Drive
El Dorado Hills, CA 95762-5905

RE: Lime Rock Valley Development Plan, El Dorado County, California

Dear Dana E. Supernowicz

The Most likely Descendant, Daniel Fonseca would like to initiate consultation process with Historic Resource Associates for the proposed Lime Rock Valley Development Plan Project that is located in El Dorado County. Among other things, we would like this consultation to address the cultural and historic resource issues, pursuant to the regulations implementing Section 106 of the National Historic Preservation Act.

Prior to meeting we would like to request any and all completed record searches and or surveys that were done in or around the project area up to and including environmental, archaeological and cultural reports.

Please let this letter serve as a formal request for the Shingle Springs Band of Miwok Indians to be added as a consulting party in identifying any Traditional Cultural Properties (TCPs) that may exist within the project's Area of Potential Effects (APE).

Please contact Angela Rivera, Administrative Assistant at (530) 698-1557 to schedule a consultation meeting pursuant to Section 106 of the NHPA.

Sincerely,

Daniel Fonseca
Cultural Resources Director
Tribal Historic Preservation Officer (THPO)
Most Likely Descendent (MLD)

HISTORIC RESOURCE ASSOCIATES
HISTORIC ARCHITECTURE • ARCHAEOLOGY • HISTORICAL & GENEALOGICAL RESEARCH
NATIONAL REGISTER NOMINATIONS • HISTORIC INTERIORS

December 5, 2012

David Keyser, Chairman
United Auburn Indian Community
Of the Auburn Rancheria
10720 Indian Hill Road
Auburn, CA 95603

Re: Lime Rock Valley Development Plan
El Dorado County, California

Dear Mr. Keyser:

As per your letter dated August 20, 2012, Historic Resource Associates (HRA), on behalf of my client G3 Enterprises, Inc., requests your participation on a field visit to the proposed Lime Rock Valley Development in El Dorado County, California. The project is located in portions of Section 14, 15, 16 and 22 in Township 9 North, Range 9 East on the USGS *Shingle Springs, California* Quadrangle Map, south of Cameron Park and southwest of Shingle Springs, covering approximately 740 acres.

As previously noted, the current project involves only a general land use plan. Specific land uses have not been fully detailed. A large area of the project area has undergone extensive disturbance as a result of limestone mining operations since the late nineteenth century. To date two intensive cultural resource studies have been conducted within the project area. The proposed field visit will focus upon the Native American cultural resources previously identified in the project. Please contact me (916-296-4334) at your earliest convenience to schedule a field visit to the project area.

Respectfully,

Dana E. Supernowicz, Principal Cultural Resource Planner

cc: Jared Rowe, G3 Enterprises, Inc.

2001 Sheffield Drive
El Dorado Hills, CA 95762-5905
Office: 916-941-1864
Mobile: 916-296-4334
Fax: 916-941-9466
Email: historic.resource@comcast.net

Table 4. Native American Contact and Communication Log

Name	*Affiliation*	*Group*	*Address*	*City, State, Zip*	*Email / Phone Call*	*HRA Letter Date*	*Response to HRA*	*County Letter Date*
April Wallace Moore	-	Nisenan/Southern Maidu; Konkow; Washoe	19630 Placer Hills Road	Colfax, CA 95713	-	8.10.2012	No	-
Daniel Fonseca, Cultural Resource Director	Shingle Springs Band of Miwok Indians	Miwok; Maidu	PO Box 1340	Shingle Springs, CA 95682	-	8.10.2012	Yes	-
Eileen Moon, Vice Chairperson	T si Akim Maidu	Maidu	1239 East Main Street	Grass Valley, CA 95945	-	8.10.2012	No	1.29.2013
-	El Dorado Miwok Tribe	Miwok	PO Box 711	El Dorado, CA	-	8.10.2012	No	-
Yvonne Miller, Chairperson	Ione Band of Miwok Indians	Miwok	PO Box 699	Plymouth, CA 95669	-	8.10.2012	No	1.29.2013
Rhonda Morningstar Pope, Chairperson	Buena Vista Rancheria	Me-Wuk/Miwok	PO Box 162283	Sacramento, CA 95816	-	8.10.2012	No	1.29.2013
Gregory S. Baker	United Auburn Indian Community of the Auburn Rancheria	Miwok; Maidu	10720 Indian Hill Road	Auburn, CA 95603	-	8.10.2012	Yes	-
Cosme Valdez, Interim Chief Executive Officer	Nashville-El Dorado Miwok	Miwok	PO Box 580986	Elk Grove, CA 95758	-	-	-	1.29.2013
Nicholas Fonseca, Chairperson	Shingle Springs Band of Miwok Indians	Miwok; Maidu	PO Box 1340	Shingle Springs, CA 95682	-	-	-	1.29.2013
David Keyser, Chairperson	United Auburn Indian Community of the Auburn Rancheria	Miwok; Maidu	10720 Indian Hill Road	Auburn, CA 95603	-	-	-	1.29.2013

Name	*Affiliation*	*Group*	*Address*	*City, State, Zip*	*Email / Phone Call*	*HRA Letter Date*	*Response to HRA*	*County Letter Date*
Andrew Franklin, Chairperson	Wilton Rancheria	Miwok	9300 West Stockton, Suite 200	Elk Grove, CA 95758	-	-	-	1.29.2013
Grayson Coney, Cultural Director	T'Si akim Maidu	Maidu	PO Box 1316	Colfax, CA 95713	-	-	-	1.29.2013
Andrew Godsey	Shingle Springs Band of Miwok Indians	Miwok; Maidu	PO Box 1340	Shingle Springs, CA 95682	1.30.2013 (HRA)	-	-	8.22.2013
Marcos Guerrero, THPO	United Auburn Indian Community of the Auburn Rancheria	Miwok; Maidu	10720 Indian Hill Road	Auburn, CA 95603	1.30.2013 (HRA)	-	-	8.22.2013
Steven Hutchason	Wilton Rancheria	Miwok	9300 West Stockton, Suite 200	Elk Grove, CA 95758	-	-	-	8.22.2013

Appendix H

Lime Rock Valley Specific Plan
Water Supply Assessment

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EL DORADO IRRIGATION DISTRICT

SB 610 WATER SUPPLY ASSESSMENT FOR THE LIME ROCK VALLEY SPECIFIC PLAN

SB 610 Water Supply Assessment

Prepared for the
Lime Rock Valley Specific Plan

Final

August 2013

Prepared by:

Tully & Young
Comprehensive Water Planning

Prepared for:



El Dorado Irrigation District

Approved by Eldorado Irrigation District Board of Directors
on August 26, 2013 as action item #8

Contact: Cindy Megerdigian – Water/Hydro Engineering Manager
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SECTION 1 – PROJECT INTRODUCTION

1.1 INTRODUCTION

In December 2012, the El Dorado Irrigation District (EID) received a letter from the El Dorado County Planning Department (County) requesting the completion of a Water Supply Assessment (WSA) for the Lime Rock Valley Specific Plan (hereafter referred to as the "Proposed Project"). As the proposed water supply purveyor for the Proposed Project, EID has prepared this WSA to assess the availability and sufficiency of EID's water supplies to meet the Proposed Project's estimated water demands. This document provides the necessary information to comply with the assessment of sufficiency as required by statute.

Statutory Background

Enacted in 2001, Senate Bill 610 added section 21151.9 to the Public Resources Code requiring that any proposed "project," as defined in section 10912 of the Water Code, comply with Water Code section 10910, et seq. Commonly referred to as a "SB 610 Water Supply Assessment," Water Code section 10910 outlines the necessary information and analysis that must be included in an environmental analysis of the project (e.g. CEQA compliance) to ensure that proposed land developments have a sufficient water supply to meet existing and planned water demands over a 20-year projection.

Proposed "projects" requiring the preparation of a SB 610 water supply assessment include, among others, residential developments of more than 500 dwelling units, shopping centers or business establishments employing more than 1,000 persons or having more than 500,000 square feet of floor space, commercial office buildings employing more than 1,000 persons or having more than 250,000 square feet of floor space and projects that would demand an amount of water equivalent to, or greater than, the amount of water required by a 500 dwelling unit project.[1]

The Proposed Project requires a WSA because it contemplates more than 500 new dwelling units as detailed in Section 1.2.

Document Organization

This WSA supports the Proposed Project's environmental review process and analyzes the sufficiency of water supplies to meet projected water demands of the Proposed Project through the required planning horizon. The WSA is organized according to the following sections:

- **Section 1: Project Introduction**. This section provides an overview of WSA requirements, and a detailed description of the Proposed Project, especially the land-use elements that will require water service.

[1] Water Code § 10912, subdivision (a).

- **Section 2: Proposed Project Estimated Water Demands**. This section describes the methodology used to estimate water demands of the Proposed Project and details the estimated water demands at build-out of the Proposed Project.

- **Section 3: Other Estimated Water Demands**. This section details the other water demands currently served by EID and anticipated to be served based on information in the El Dorado County's (County) General Plan as well as known and potential planned modifications since the County's adoption of the General Plan.

- **Section 4: Water Supply Characterization**. This section characterizes the EID water supply portfolio that will serve the Proposed Project along with other current and future water demands. Water rights, along with water service contracts and agreements are characterized for normal, single dry, and multiple dry year conditions.

- **Section 5: Sufficiency Analysis**. This section assesses whether sufficient water will be available to meet the Proposed Project water demands, while recognizing existing and other potential planned water demands within the EID service area. To provide the necessary conclusions required by statute, the analysis integrates the demand detailed in Section 2 and Section 3 with the characterization of EID's water supply portfolio detailed in Section 4.

1.2 PROPOSED PROJECT DESCRIPTION

The Proposed Project is a planned development, south of the Cambridge Road exit on Highway 50, encompassing 740 acres in the unincorporated community of El Dorado Hills (see **Figure 1-1**).

The Proposed Project includes 800 residences of varying size, a large village park, and open space. Proposed residential dwelling units include 93 custom lots on approximately 2 acres each, 106 production lots with a density of about 2 dwelling units per acre, 146 production lots with a density of about 3 dwelling units pre acre, and 455 production lots with a density of about 5 dwelling units pre acre. A large 15-acre park will serve the neighborhood with an estimated net landscaped area of 10 acres. The project dedicates about 314 acres to open space.

Table 1-1 summarizes the proposed land use acreages.

Figure 1-1 – Proposed Project Location and Land Uses



1.2.2 Projected Land Uses

Table 1-1 – Summary of Proposed Build-Out Land Uses and Acreages[2]

Land Use	Section 2.4 Comparison	Acres	Units
Custom Homes	2 Acre Lots	--	93
Production R15	15,000 sf lots	--	106
Production R10	10,000 sf lots	--	146
Production R6	6,000 sf lots	--	455
Village Park	--	10	--
Open Space	--	314	--
ROW and Landscaping	--	5	--
Gate House	--	--	1

1.3 PROPOSED PROJECT PHASING

Table 1-2 describes the Proposed Project's three construction phases. Each phase represents a portion of the development, focusing on particular land-use classifications. Before constructing homes or other parts of the development, the proponents will begin site grading and project-wide infrastructure development. Some infrastructure and site grading will continue throughout all phases of the Proposed Project, as necessary. These activities include installing facilities for potable water, recycled water (as appropriate for the Proposed Project), sewer, electric, telecommunications, gas, stormwater, and roads. During these activities, a small water demand will exist – referred to in this WSA as "construction water." This demand is included in the yearly water demands presented in Section 2.

The initial phase, ending prior to 2020, will construct the infrastructure but will not use significant water. A small amount of construction will be completed by 2020 with less than 15% of water demand being on-line. The subsequent constructions phases will bring more water demand on-line with nearly half of the project demand constructed by 2025. This staggered approach will gradually expand the water demands. All construction will be completed by 2035, within the 20-year planning horizon of this WSA.

Table 1-2 – Proposed Project Schedule

Land Use	Phase 1 2019-2024	Phase 2 2025-2029	Phase 3 2030-2035	Total
Custom Homes	24	10	59	93
Production R15	27	17	62	106
Production R10	94	52	--	146
Production R6	187	268	--	455

[2] Specific Plan Land Use Summary was provided by El Dorado County of Development Services Department.

SECTION 2 – PROPOSED PROJECT ESTIMATED WATER DEMANDS

2.1 INTRODUCTION

This section describes the methodology, provides the supporting evidence, and presents the estimated water demands for the Proposed Project. For the purpose of estimating water demand, the Proposed Project is planned to develop according to the phasing in **Table 1-2**.

2.2 DETERMINING UNIT WATER DEMAND FACTORS

As detailed in Section 1, the Proposed Project has specific residential and non-residential land-uses with defined residential lot-sizes, types of commercial uses and other characteristics. As these attributes vary among the types of proposed land-uses, so too will the water needs. To understand the water needs of the entire Proposed Project, unique demand factors that correspond with each unique land use are necessary. This subsection presents the methodology for determining the baseline unit water use demand factors that become the basis of the Proposed Project water demand estimates. Two distinct groups of demand factors are presented: (1) residential, and (2) non-residential.

2.3 PRIMARY SOURCE OF BASELINE WATER USE DATA

Because the Proposed Project is very similar in nature to particular elements built as part of the Serrano and El Dorado Hills developments over the past few decades, recent water use data for comparable products in these neighborhoods provides a reliable foundation for EID to establish new project-specific water demands. Through comparison of Proposed Project land-use elements to existing land uses, EID determined appropriate existing, established neighborhoods and non-residential facilities that best aligned with each unique residential and non-residential project element. For each comparable neighborhood, EID gathered and assessed total annual water use for the years 2008 through 2012. This selected period of water use best represents 1) the greatest number of homes occupied within each selected area (including established back-yard landscapes), and 2) varied water use over a range of climatic conditions reflecting various rainfall amounts and timing. Average annual uses were derived from the data and are discussed under the respective land-use categories.

2.4 BASELINE RESIDENTIAL WATER USE DEMAND FACTORS

The Proposed Project anticipates specific residential products that fall within general lot-size designations. The size of the lot will have the largest impact on the annual per-lot demand for water. Indoor demands remain relatively consistent regardless of lot size.

For purposes of this WSA, the per-lot demand for residential lots will be described as "the acre-feet of water use annually per dwelling unit" – or simply put, acre-feet/dwelling unit (af/du). This value will reflect indoor and outdoor uses expected for a typical dwelling unit for each of the following classifications:[3]

- 1 to 3-acre custom lots
- 1/2 acre production lots
- 8,000 to 10,000 square-foot production lots
- 5,000 to 7,000 square-foot production home lots

The method and basis for determining the baseline unit water demand factor for each of these classifications is detailed in the following subsections.

1 to 3-Acre Custom Lots

Water demand factors for the proposed large lots are based on recent water use data records for residential lots in the Serrano development – specifically existing residential lots located on Greenview Drive, Errante Drive, and others. The proposed lots in this category average about 2 acres and have a 1-acre minimum. However, not all land on these lots will be landscaped. For instance, a lot may include hillside and/or areas of oak woodland that must be protected, resulting in a diminished area for the home's footprint, outdoor hardscapes and landscaping. Generally, the house itself is large, with extensive outdoor features including pools, hardscapes, water features, and significant landscaping with well-maintained turf areas.

Based on available historic meter data for similar developments served by EID, the baseline unit water demand factor for this land-use category is approximately 1.16 af/du.

1/2-Acre Production Lots

Water demand factors for the proposed large lots are based on recent water use data records for residential lots in the Serrano development – specifically existing residential lots located on Renaissance Way and Renaissance Place. The proposed lots in this category average about 1/2-acre, though have a minimum lots size of 15,000 square feet. Landscaping on the lot may be based on a predetermined landscaping package. Generally, the house itself is large, with extensive outdoor features including pools, hardscapes, water features, and significant landscaping with well-maintained turf areas.

Based on available historic meter data for similar developments served by EID, the baseline unit water demand factor for this land-use category is approximately 0.87 af/du.

[3] These classifications reflect EID's defined water demand factor categories as EID believes they best relate to the Proposed Project's land-use classifications as shown in the Table 1-1.

8,000 to 10,000 Square-foot Production Lots

The proposed project will include a large number of lots reserved for production homes on lots typically described as "large" for a residential community. For these lots, ranging up to 1/3-acre with a 10,000 square-foot minimum, water demands will be based on recent water use data records for similar lots in the Serrano development – specifically Village D2 and portions of Village E, which includes numerous similar-sized lots. In contrast to the smaller lot production homes described in the next classification, these lots will retain adequate area on the lot for well-maintained turf and other landscaping. As much as one-half, but not less than about one-quarter, of the lot may still remain for landscaping, after accounting for the home's footprint and hardscape areas – equating to a few thousand to several thousand square-feet. Though less landscaped area than the custom home lots, the landscaped area will drive water use on these lots.

Based on the available historic meter data for similar developments served by EID, the baseline unit water demand factor for this land-use category is 0.55 af/du.

5,000 to 7,000 Square-foot Production Lots

The Proposed Project includes numerous lots with minimum areas of about 6,000 square feet with average of 5.1 dwelling units per acre. As a result of the limited outdoor area, many of these lots are limited to front-yard landscaping with well-maintained turf, and back yards often only including hardscapes, pools or other amenities, and lower water using landscapes. Unit water demands are based on recent water use data records for similar lots in the Serrano development – specifically Village D1A and Euer Ranch, which include numerous similar-sized lots.

Based on the available historic meter data for similar developments served by EID, the baseline unit water demand factor for this land-use category is 0.50 af/du.

Residential Indoor Water Use

Based on EID meter data for the past several years, indoor water use for typical single-family homes averages about 0.18 af/du.[4] This value can be used to derive separation of residential demands that could be served with non-potable supplies, such as recycled water from the Deer Creek and/or El Dorado Hills wastewater treatment facilities (see Section 2.7.2).

2.5 MODIFYING BASELINE VALUES

All of the above-developed water demand factors for the residential classifications are based on similar existing developments in the El Dorado Hills area. However, since construction of the

[4] This value is a subset of the total usage estimated for a dwelling unit under each land-use category. Data from 2012 Water Resources and Service Reliability Report, EID, August 13, 2012, Appendix Table A, p.42

existing houses, a few changes have occurred that will reduce the Proposed Project's water demands from the baseline unit water demands derived from existing meter data. These include:

- CAL Green Code
- California Model Water Efficient Landscape Ordinance

CAL Green Code

In January 2010, the California Building Standards Commission adopted the statewide mandatory Green Building Standards Code (CAL Green Code) that requires the installation of water-efficient indoor infrastructure for all new projects beginning January 1, 2011. CAL Green Code was incorporated as Part 11 into Title 24 of the California Code of Regulations.[5] The CAL Green Code applies to the planning, design, operation, construction, use and occupancy of every newly constructed building or structure. All proposed land uses must satisfy the indoor water use infrastructure standards necessary to meet the CAL Green Code. The CAL Green Code requires residential and nonresidential water efficiency and conservation measures for new buildings and structures that will reduce the overall potable water use inside the building by 20 percent. The 20 percent water savings can be achieved in one of the following ways: (1) installation of plumbing fixtures and fittings that meet the 20 percent reduced flow rate specified in the CAL Green Code, or (2) by demonstrating a 20 percent reduction in water use from the building "water use baseline."[6] The Proposed Project will satisfy one of these two requirements through the use of appliances and fixtures such as high-efficiency toilets, faucet aerators, on-demand water heaters, as well as Energy Star and California Energy Commission-approved appliances.

California Model Water Efficient Landscape Ordinance

In 2006, the Water Conservation in Landscaping Act was enacted, which required the Department of Water Resources to update the Model Water Efficient Landscape Ordinance (MWELO).[7] In fall of 2009, the Office of Administrative Law (OAL) approved the updated MWELO, which required that a retail water supplier adopt the provisions of the MWELO by January 1, 2010 or enact its own provisions equal to or more restrictive than the MWELO provisions.

The provisions of the MWELO are applicable to new construction with a landscape area greater than 2,500 square feet.[8] The MWELO provides a methodology to calculate total water use based upon a given plant factor and irrigation efficiency. Finally, MWELO requires the landscape design plan to delineate hydrozones (based upon plant factors) and then assign a unique valve for each hydrozone (low, medium, high water use).[9] The design of landscape irrigation systems is

[5] The CAL Green Code is Part 11 in Title 24.
[6] See CAL Green Code.
[7] Gov. Code §§ 65591-65599
[8] CCR Tit. 23, Div. 2, Ch. 27, Sec. 490.1.
[9] CCR Tit. 23, Div. 2, Ch. 27, Secs. 492.3(a)(2)(A) and 492.7(a)(2).

anticipated to better match the needs of grouped plant-types and thus result in more efficient outdoor irrigation.

Applying Conservation to Baseline Demand Factors

Collectively, these and other factors will put downward pressure on the baseline residential unit water demand factors – potentially dropping each unit demand by up to 10 percent for the larger lots. **Table 2-1** provides a summary of the baseline demand factor for each residential land-use category, the anticipated savings from the conservation mandates, and the resulting unit demand factor used to estimate the Proposed Project's water use.

Table 2-1 – Summary of Residential Baseline and Proposed Project Demand Factors

EID Water Demand Category (Relates to Table 1-1 Land Use)	Density	Current Factor (af/du)	Conservation Applied	Factor Used (af/du)
1 to 3 Acre Custom Lots	0.5 DU/Ac	1.16	10%	1.04
1/2 Acre Production Lots	2 DU/Ac	0.87	8%	0.80
8,000-10,000 sf Lots	3 DU/Ac	0.55	5%	0.53
5,000-7,000 sf Lots	5.1 DU/Ac	0.50	5%	0.48

2.6 Baseline Non-Residential Water Use Demand Factors

Similar to the residential water demand factors, non-residential factors are based upon recent water use trends for similar types of land classifications.

For purposes of this WSA, the per-lot demand for non-residential lots is described as "the acre-feet of water use annually per acre of land" – or simply put, acre-feet/acre (af/ac). This value reflects indoor and outdoor water needs expected for a typical non-residential use for each of the following classifications:

- Village Park
- Gate House
- Other miscellaneous, including street medians vineyards, construction water and environmental mitigation

The method and basis for determining the baseline unit water demand factor for each of these classifications is detailed in the following subsections.

Village Park

The Proposed Project includes a large village park that will include expansive turf areas, playfields and other park amenities. Based upon recent water meter data for similar park facilities in the El Dorado Hills area – namely Bella Terra Park, Allan Lindsey Park, and the Village A, C, L3, and L4 parks – a representative water demand factor was identified. A "smart

meter" controls the irrigation system at each existing park. These devices adjust water use to actual climate data, including precipitation events. Thus, the recent meter data is very indicative of expected demands for the new parks, which will also be outfitted with similar technology.

Based on the available historic meter data for similar facilities served by EID, the unit water demand factor is 2.77 af/ac.

Gate House

No usable comparison exists in the EID water use history to represent the demand of a gate house. A gate house consists of a small building with a single bathroom. The average country club employee per shift uses 50 Liters per day, or just over 13.2 gallons.[10] Assuming two employees per shift and 3 shifts per day, the resulting water use comes out to about 0.09 acre-feet per year. To be conservative, the demand used is rounded up to 0.1 acre-feet per year.

Other Miscellaneous Uses

The Proposed Project has additional miscellaneous uses including vineyards on street medians, environmental mitigation requirements, and construction water. These uses have minimal impacts to the overall per-project total water use due to their limited size and water needs, and some are temporary in nature.

Vineyard Street Medians

The Proposed Project will include approximately 5 acres of vineyards spread throughout the project. These vineyards serve as both an aesthetic feature and a business function – actively producing wine grapes. The majority of the planting is located on street medians and entrance areas throughout the community. The use of vineyards in this fashion results in lower water use than fully landscaped medians. The vineyard water use estimates is based on a collection of documents from the University of California – Cooperative Extension combined with input for a local producer and winemaker. Reviewing water use data from *Wine Grape Cost and Return Studies, El Dorado and Amador Counties*, as well as other areas with similar climates and elevations, water demand range from 5 to 12 inches per year for established vines. In the interest of being conservative, the 12-inch annual value is used.[11] To account for any additional water demands while establishing the vines, this WSA assumes that twice the water will be needed in the first few years following planting. As shown in **Table 2-3**, the initial demand upon planning (included for the first 5-year increment for each vineyard planning phase) is 2 acre-feet/acre. This value drops to 1 acre-foot/acre for the remainder of the analysis period for a particular planting phase.

[10] Tchobanoglous, George, and Edward Schroeder. *Water Quality*. Menlo Park: Addison Wesley Longman, 1987

[11] *The water demand is one dimensional and total demand is dependent on area. For the purposes of this WSA, acres are used for the second dimension. Therefore, one acre-foot of water is multiplied by each acre of vineyard. The result is 1 acre-foot/acre which is used in this documents calculations*

Oak Woodlands Management

As of the preparation of this WSA, the mitigation requirements for impacts to oak woodlands resulting from the Proposed Project are as detailed in the County's Policy 7.4.4.4.[12] For purposes of estimating the water demands of this Proposed Project element, the WSA assumes mitigation will include establishing new trees, likely with associated irrigation water to assure seedlings are established. As defined in the County's Oak Woodland Management Plan Monitoring Program:

> *"Replacement of removed tree canopy . . . is subject to intensive to moderate management and 10 to 15 years of monitoring, respectively. The survival rate shall be 90 percent as specified in the approved monitoring plan for the project, prepared by a qualified professional. Acorns may be used instead of saplings or one gallon trees."*
>
> *"Management intensity assumes that 10 years after planting 1 year old saplings that trees that have been nurtured with high management intensity will be on average 2 inches DBH with 90 percent survival; moderate management intensity will result in trees that are on average 1.5 inches DBH with 85 percent survival."*

More precisely, an intensive management program is required to obtain 90 percent survival. The management includes10 years of monitoring for one-gallon/one year old saplings and 15 years of monitoring if acorns are planted. Any trees/acorns that do not survive within the monitoring periods are to be replaced within that time, so that 90 percent survival is achieved at the end of the monitoring period.

Because establishment of new trees is highly dependent on site conditions (soil depth and composition, depth to water table, slope, aspect, existing vegetation), planting conditions (water year, starting from acorns or saplings, weed mats, mulch, density of plantings and other adjacent veg, etc.), establishment and maintenance practices (manual or installed irrigation systems, and irrigation intervals), and the required success criteria (target % survival), the estimated water demands are difficult to predict.[13] However, in order to be reasonably conservative, this WSA assumes that each acre of habitat mitigation will require 1 acre-foot per acre of annual irrigation

[12] The County Board of Supervisors has an Oak Woodland Management Plan (OWMP) codified as Chapter 17.73 of the County Code (Ord. 4771. May 6, 2008.). The primary purpose of this plan is to implement the Option B provisions of Policy 7.4.4.4. On September 24, 2012, the Board of Supervisors directed the Development Services Department to prepare a General Plan amendment to amend Policies 7.4.2.8, 7.4.2.9, 7.4.4.4, 7.4.4.5, 7.4.5.1, and 7.4.5.2 and their related implementation measures to clarify and refine the County's policies regarding oak tree protection and habitat preservation. (This excerpt was copied from the following El Dorado County web site: http://www.edcgov.us/Government/Planning/General_Plan_Oak_Woodlands.aspx on May 4, 2013.)

[13] A qualified professional will likely develop the project specific oak management plan. More detailed water use will be available in this plan. Review of information from oak mitigation projects in the area revealed a range of planting types, irrigation methods, and management time frames. Overall, irrigation demands were all low as would be expected for a native species.

for a period of 15 years.[14] For instance, if the Proposed Project must mitigate with 10 acres of woodland, the demand would be 10 acre-feet annually. All oak woodland will be established prior to build-out and require no on-going irrigation.

Construction Water

As stated in Section 1, early phases of the Proposed Project will include site grading and infrastructure installation. These and other construction elements will require dust suppression and other incidental water uses. These are estimated to be nominal, and do not continue beyond the construction phases of the Proposed Project. For purposes of identifying incremental water demands, construction water is assumed within this WSA to be as high as 2 acre-feet per year (this is well over half a million gallons – or more than 160 fill-ups of a 4,000 gallon water truck annually).

Modifications to Reflect Additional Water Use Reductions

Similar to the residential demand factors, the above-developed water demand factors for the non-residential classifications are based on similar existing developments in the El Dorado Hills area. Considerations to reduce these baseline values for conservation factors, however, are not required, since demand factors for many of the landscaped features, such as parks, will not change from the existing values. The landscape-dominant demand factors are affected primarily by climatic conditions that drive plant evapotranspiration. In other words, an acre of turf at a park will still use the same amount of water in the new parks as the existing parks. **Table 2-2** summarizes the non-residential demand factors used in this WSA.

Table 2-2 – Summary of Non-Residential Demand Factors

Land Use	Factor Used (af/ac)
Gate House	0.10
Parks	2.77
Vineyards	1.00
Open Space	0.00

2.7 PROPOSED PROJECT WATER DEMAND PROJECTION

Combining the Proposed Project's land-use details and phasing as summarized in **Table 1-1** and **Table 1-2** with the demand factors presented in **Table 2-1** and **Table 2-2**, the water demands for the project from initiation to build-out are estimated. At completion, the Proposed Project is estimated to need 507 acre-feet of water annually (prior to considerations of non-revenue water, described in the next subsection) as shown in **Table 2-3**.

[14] A conservative water demand number and a long management window were assumed to provide the Proposed Project applicants flexibility in meeting the oak woodland mitigation requirements.

2.7.1 Non-Revenue Water Demands

The demand factors presented earlier in this section represent the demand for water at the customer's meter for each category. To fully represent the demand on EID's water resources, non-revenue water also needs to be included. Non-revenue water represents all of the water necessary to deliver to the customer accounts and reflects distribution system leaks, water demands from potentially un-metered uses such as fire protection, hydrant flushing, and unauthorized connections, and inescapable inaccuracies in meter readings.[15] In most instances, the predominant source of non-revenue water is from system leaks – the loss from fittings and connections from EID's water sources through treatment plants, tanks, pumping plants, major delivery system back-bone pipelines, and community distribution systems. Because a significant portion of the delivery system used to bring water to the Proposed Project already exists, the benefits of new piping within the Proposed Project has limited effect on the overall percentage of non-revenue water necessary to operate the system.

Although EID has an established program for identifying and accounting for most unbilled and other system losses, there are still pipeline leaks, unmetered uses, unauthorized connections, meter inaccuracies, and other losses that are difficult to specifically quantify. Consistent with the District's methodology for calculating future water meter availability, as defined in the *2012 Water Resources and Service Reliability Report,* non-revenue water is projected at a fixed rate of 13 percent. Non-revenue demand is estimated to add 66 acre-feet per year at build-out to the Proposed Project's land-use demands, bringing the estimated build-out water demand attributed to the Proposed Project to 573 acre-feet annually (see **Table 2-4**).

2.7.2 Recycled Water Demand

A portion of the Proposed Project's demands (see **Figure 1-1**) could be met with recycled water provided by EID (see Section 4.3). As previously noted, residential potable demands require about 0.18 acre-feet annually per household. The remaining portion of the unit demand factor for each type of residential lot could be met with recycled water (see **Table 2.1** for unit demand factors). Using these unit water demand assumptions, coupled with the number of residential units, the Proposed Project could meet approximately 330 acre-feet of the 475 acre-feet of residential water demand with recycled water – prior to consideration of non-revenue water demands.

Non-residential components of the Proposed Project could also be met with recycled water, especially the parks and vineyards. Removing the small potable demands for parks and the gate house, the Proposed Project could meet all of the non-residential demand with recycled water –

[15] The American Water Works Association and the California Urban Water Conservation Council recognize the inherent non-revenue water that is either lost or mis-accounted in urban treated water distribution systems and suggest purveyors strive for a value of 10% of all delivered water. Obtaining this value is dependent on numerous factors including the age and extent of distribution system infrastructure, meter rehabilitation programs, and how a purveyor accounts for actions such as fire flows and hydrant flushing.

prior to the consideration of non-revenue water demands. Combined, recycled water could serve approximately 363 acre-feet of the Proposed Project's demand (see **Table 2-4**).

Table 2-4 – Estimated Demand Met with Recycled Water

	Demand (af/yr)		
	Residential	Non-Res	Total
Potable	144	0.1	144
Recycled	331	33	363
Total Demand	**475**	**33**	**507**

Table 2-3 – Estimated Proposed Project Water Demands from Start-up to Build-out

	Unit Count or Acreage						Demand Factor (af/du or af/ac)						Demand (af/yr)					
Category	Current	2015	2020	2025	2030	2035	Current	2015	2020	2025	2030	2035	Current	2015	2020	2025	2030	2035
Residential																		
1 to 3 Ac Lots	0	0	4	24	33	93	1.16	1.04	1.04	1.04	1.04	1.04	0	0	4	25	34	97
1/2 Ac Custom Lots	0	0	3	27	44	106	0.87	0.80	0.80	0.80	0.80	0.80	0	0	2	22	35	85
8,000-10,000 sf Lots	0	0	20	94	146	146	0.55	0.53	0.53	0.53	0.53	0.53	0	0	11	50	77	77
5,000-7,000 sf Lots	0	0	38	187	455	455	0.50	0.48	0.48	0.48	0.48	0.48	0	0	18	89	216	216
												Subtotal		0	35	185	363	475
Public																		
Village Park	0	0	5	5	10	10	2.77	2.77	2.77	2.77	2.77	2.77	0	0	14	14	28	28
Gate House	0	0	1	1	1	1	0.10	0.10	0.10	0.10	0.10	0.10	0	0	0.1	0.1	0.1	0.1
Open Space	0	314	314	314	314	314	0	0	0	0	0	0	0	0	0	0	0	0
												Subtotal		0	14	14	28	28
Other																		
Mitigation	0	15	35	35	20	0	1	1	1	1	1	1	0	15	35	35	20	0
ROW & Landscape	0	0	5	5	5	5	0	0	2	1	1	1	0	0	10	5	5	5
Construction Water	0	1	2	2	2	0	1	1	1	1	1	1	0	1	2	2	2	0
												Subtotal		16	47	42	27	5
												Total Water Demand	**0**	**16**	**96**	**241**	**417**	**507**
												Non-Revenue Demand at 13%	0	2	12	31	54	66
												Total Proposed Project Demand	**0**	**18**	**109**	**272**	**472**	**573**

SECTION 3 – OTHER ESTIMATED WATER DEMANDS

3.1 INTRODUCTION

As stated in this excerpt from Water Code Section 10910(b)(3): *"[T]he water supply assessment for the project shall include a discussion with regard to whether the public water system's total projected water supplies available…will meet the projected water demand associated with the proposed project, in addition to the public water system's existing and planned future uses…"* This section details EID's other "existing and planned future uses." For purposes of this WSA, existing and planned future uses are subdivided into the following:

- **Other Currently Proposed Projects** – in addition to the Proposed Project, El Dorado County (County) is the Lead Agency (pursuant to CEQA) for four additional proposed development projects. As Lead Agency, the County has requested separate WSAs from EID for each of these other projects. Because detailed land-use information is available for three of the four projects and separate WSAs are being developed for these three in parallel to this WSA, each of these three projects have unique water demand estimates that are included in this WSA.[16]

- **All Other Existing and Planned Future Uses –** in addition to the Proposed Project and the Other Currently Proposed Projects, existing customers and anticipated growth in the County must be quantified. The subdivisions of this category are:

    - **Current Customers and Uses** – using 2012 as a baseline condition, this category reflects the current range of EID's potable and recycled water customers. Because these customers and uses already exist, keeping them separate from planned future uses allows an analysis to reflect anticipated reductions in use over time as EID continues to implement its urban water conservation programs targeted at many of the existing customers.[17]

    - **Adjusted General Plan Update Land Use Growth** – in addition to the identified development projects currently undergoing County CEQA review, the County's 2004 General Plan Update (GPU) anticipates continued urban growth throughout the EID service area. This growth is accounted for in the EID 2013 *Integrated*

[16] EID understands the fourth project, San Stino, to be undergoing changes to its land-use plans at the time of drafting this WSA. Lacking the details needed to determine water demands similar to the other WSAs currently being completed, the San Stino project is reflected in the next subgroup of demands (see Section 3.3).

[17] New customers added to EID's system will have lower demand factors, as discussed in Section 2, and will be less likely to implement additional conservation or see much reduction when changes are made. For instance, many existing customers may still have 3 gallon per flush toilets or even 1.6 gallon per flush toilets, which when replaced, will likely only use 1.28 gallons. New houses will be constructed, per the CAL Green Code, with 1.28 gallon per flush toilets. EID has had conservation and incentives programs for more than 20 years.

Water Resources Master Plan (2013 IWRMP) and serves as the primary water demand driver into the future. Adjustments to anticipated GPU growth to reflect the "Other Currently Proposed Projects" and other proposed land-use changes, however, must be made. The adjustments discussed under this category include: (1) potential changes in the 2004 General Plan land use designations as identified in Facility Improvement Letters received and analyzed by EID; and (2) the removal of the Proposed Project and other proposed project uses being developed under concurrent WSAs.

- **Other Authorized Uses** – EID does not anticipate increases above 2012 levels in other authorized potable water uses such as fire flows, meter testing, water quality flushing, and ditch system operations. Demands for this category of water use is removed from the general plan growth and included separately.

- **Non-Revenue Water** – As discussed in Section 2.7.1, an additional demand is seen by EID to treat and deliver water to all customers. Referred to as non-revenue water, this water demand represents a 13 percent increase added to estimated customer demands. This value represents a long-term average experienced by EID.

3.2 OTHER CURRENTLY PROPOSED PROJECTS

As mentioned in the previous section, El Dorado County is the Lead CEQA Agency for four additional proposed development projects and has requested EID to prepare WSA's for each development concurrent with this Proposed Project WSA. EID is currently drafting three of these four WSAs.[18] The estimate of water demand for each WSA follows the same methods used in Section 2 of this WSA, with specific unit demand factors applied to each unique land use element. The other projects are:

- Central El Dorado Hills – located along El Dorado Hills Boulevard north of Highway 50, this projects is a planned infill mixed development with primarily residential units and some commercial space.
- The Village of Marble Valley Specific Plan – located southeast of the Proposed Project, this development features many additional water use elements such as vineyards, schools, parks, a large lake, and a diverse range of housing types and lot sizes.
- Dixon Ranch Residential Project – located northeast of the Proposed Project, this development is a planned residential community with a range of lot sizes and housing types, including a number of "age-restricted" units, accompanied by a community club house, parks, ponds, and trails.

[18] EID understands that the San Stino development project is undergoing changes to the land-use plans previously submitted to the County. Therefore, EID has not begun the WSA for that project.

Based on the detailed analysis completed in the other WSAs, these "Other Currently Proposed Projects" represent approximately 2,750 acre-feet per year of new demand by 2035. **Table 3-1**, presented later in this section, summarizes the estimated water demands as determined and detailed in the concurrent WSAs for each unique project. The values shown are the estimated customer and use demands and do not include the additional water associated with non-revenue percentages attributable to the treatment and distribution for each project (see Section 3.5).

3.3 ALL OTHER EXISTING AND PLANNED FUTURE USES

In simple terms, this category of use would typically reflect all the other water demands anticipated by EID that are in addition to the Proposed Project. However, because of the unique circumstance that other WSAs are concurrently being drafted by EID, this category must be adjusted to remove those other well-defined water demands. Furthermore, because other potential changes to the 2004 GPU have been brought to EID's attention, and EID anticipates changes to current customer uses, a more detailed assessment of future demands is warranted. This subsection describes:

- Current Customers and Uses
- Adjusted GPU Land Use Growth
- Other Authorized Uses

3.3.1 Current Customers and Uses

Current customers and uses in the contiguous EID service area provide a baseline from which to assess additional demand from the Proposed Project and other potential planned uses. For purposes of the WSA, the deliveries to current customers in 2012 were used to define this baseline. Based on the 2012 EID *Water Diversion Report*, EID diverted 36,580 acre-feet into its potable water system. In addition to the potable water, EID served 2,404 acre-feet of recycled water to meet customer demands.[19] Combined, the current water demand is represented as 38,984 acre-feet. This value includes the non-revenue water (see Section 2.7.1), including system losses, necessary to deliver these supplies from their respective treatment plants to the customer meter. This value also includes 1,269 acre-feet sold to the City of Placerville.[20]

Since the WSA uses 2012 as a baseline, the "current" demand varies from that used in the recently adopted 2013 IWRMP, which used the year 2008 for its baseline.[21] Given on-going conservation efforts, adoption of new rate structures, and other drivers, EID has seen an overall decrease in the annual customer use since the IWRMP selected its baseline. Therefore the 2012

[19] See EID 2013 Water Resources and Reliability Report (Table 14)
[20] See EID Consumption Report: Reporting Year 2012 (Table on p. 7)
[21] The IWRMP, adopted by the EID Board in March 2013, began several years ago and at the time used 2008 as a baseline. Since that time, EID's annual diversions have dropped from a high in 2008 of about 45,000 acre-feet to 35,678, 33,453, and 36,580 in 2010, 2011, and 2012, respectively. Combined with recycled water deliveries, the 2012 demand is lower than that used for the 2013 IWRMP, but greater than 2010 and 2011.

baseline used for this WSA is more representative of the baseline use expected into the future from these existing customers and uses.

A slight adjustment to this baseline is necessary, however, to project it into the future. Although this demand will remain relatively constant since it does not add any new uses (additional uses are discussed in the next subsections), a slight decrease is assumed that reflects on-going implementation of conservation and installation of new water-using fixtures by existing customers. EID's continued leadership in conservation will enable existing customers to retrofit toilets, receive appliance rebates for new household items such as dishwashers, water heaters and clothes washers, and implement irrigation efficiency improvements through various incentives. Additional reductions in existing customer demands will also occur simply as a result of the natural replacement of old fixtures and appliances with lower water-use devices. For purposes of the WSA, EID estimates the reduction in current customer demand will be approximately 2% by 2020 and an additional 1% by 2035. This is consistent with EID's expectations necessary to meet its per-capita water use targets as detailed in the 2010 Urban Water Management Plan.[22]

3.3.2 Adjusted GPU Land Use Growth

In the 2004 GPU, the County made growth projections using land-use zoning throughout the County. Within the contiguous EID water service area, the GPU land-use zoning correlates to EID defined unit water demand factors. During preparation of the recently adopted 2013 IWRMP, EID used GIS-based land-use designations, combined with the water demand factors, to develop estimated growth in water demand. Absent any changes to the 2004 GPU land-use designations, the 2013 IWRMP demand projections would provide a valid representation of future water needs. However, because several proposed changes to the GPU land-use designations have been submitted – both through the County's formal process, such as is the situation with the Proposed Project and Other Planned Projects, and through an EID process explained below – the 2013 IWRMP demand projections require refinement. The steps to adjust these demands included:

- Removal of Proposed Project and Other Planned Projects water demands
- Modifying land-use zoning based on Facility Improvement Letters
- Determining Growth to Year 2035

Once these steps were completed, the analysis reassessed the water demand using the water demand factors applied in the 2013 IWRMP.

Step 1: Removal of Proposed Project and Other Planned Project Water Demands

The first step in adjusting the water demands was to remove the detailed water demands estimated in this WSA for the Proposed Project and for the Other Planned Projects (see

[22] See Section 3 of the 2010 UWMP available here: http://www.eid.org/modules/showdocument.aspx?documentid=338

Section 2 and Section 3.2). This step involved removing the specific acreage and water demand factors from the 2013 IWRMP analysis. The 2004 GPU included land-use zoning for the lands underlying the Proposed Project as well as the Other Planned Projects. In the 2013 IWRMP, water demands were estimated using the existing zoning. Removing these land uses eliminates the potential to double-count the associated acreage when assessing the remaining GPU expected growth.

Step 2: Modifying Land-use Zoning based on FILs

When investigating water service from EID for development projects (e.g. lot splits, land use changes, and new service to existing parcels), existing landowners submit a Facilities Improvement Letter (FIL). This document allows EID to assess whether infrastructure or supplies are available to serve the proposed project. In some instances, the FILs include proposed land-use zoning changes not previously incorporated into EID water demand projections. By using GIS to map the locations of the FILs requesting a change in land-use zoning, EID was able to identify where changes to the 2013 IWRMP demand estimates would occur. About 25 specific FILs were identified as having land-use designation changes. These identified parcels were removed from the prior analysis to eliminate potential double counting of demands.

In a separate analysis, the water demand for this subset of parcels was recalculated using the appropriate water demand factor for the new proposed land-use classification (e.g. water needs for these parcels may have previously been calculated based on very-low density housing, but is requesting a change to higher density housing). Through the analysis, an increased demand of approximately 3,000 acre-feet over the 2013 IWRMP projections was identified.

Step 3: Determining Growth to 2035

The GPU identifies anticipated build-out conditions for the County and, as a subset, for the EID contiguous water service area. Since this WSA assesses water demands in 5-year increments only to 2035 – well short of the anticipated timing of the County's build-out – the amount of build-out growth occurring by 2035 must be determined. This was done for both the parcels identified with new land-use zoning through the FIL analysis, and for the remaining parcels with original GPU land-use designations.

Because there is little detail about planned development rates for the FIL-related parcels, this WSA assumed that these parcels would have full water demand usage by 2035.[23] This is a conservative estimate, since some of these lands may not develop by 2035 or may never

[23] This assumption also considers that a landowner would likely only submit a FIL to EID if they are seriously contemplating the development activity. Thus, there is a higher likelihood that these parcels will develop at a faster rate than other generally anticipated growth for the remaining parcels in the GPU.

develop. Thus, the estimated increase in demand of approximately 3,000 acre-feet was assumed to occur by 2035 with the 2013 IWRMP growth rate applied.

For the remaining parcels, growth rates used to determine the degree of development were based on EID's 2013 IWRMP. In the 2013 IWRMP, growth rates for the El Dorado Hills, and Western/Eastern water service areas were identified for specific year-ranges.[24] This WSA uses those growth rates for the remaining parcels. Using the 2013 IWRMP growth rates, the analysis determined build-out for the El Dorado and Western/Eastern service areas occurs after 2035.

During this adjustment, special attention was provided to the City of Placerville. The City purchases potable water from EID for distribution to its residents. The 2013 IWRMP projected future water demands for the City based on the City's existing General Plan. This WSA assumes the same rate of growth and build-out demand as the 2013 IWRMP for the City.

Upon completion of these steps, the adjusted demand for the GPU land uses was determined. **Table 3-1** summarizes the anticipated increase in water demand during each 5-year increment as a result of these adjustments to the GPU land-uses.

3.3.3 Other Authorized Uses

In addition to the sale of water to metered customers, EID has a set of water demands it refers to as "Other Authorized Uses." This designation is for the following existing uses:

- Knolls Reservoir Assessment District
- Private Fire Services
- Temporary Water Use Permit
- Bulk Water Stations - Permanent
- Bulk Water Stations - Temporary
- Lift Stations
- Collection System Flushing
- Spills, Overflows, and Flushing
- Clear Creek Aesthetics Flow Maintenance District

Of these, the Clear Creek aesthetic flows comprise over 80 percent of the annual authorized uses. Lift stations and temporary use permits comprise another 10 percent. The current demand of approximately 2,200 acre-feet is already reflected in the "Current Customers and Uses." EID anticipates no growth in these authorized water uses, with the total demand to remain constant at 2,200 acre-feet through 2035.

[24] EID Integrated Water Resources Master Plan, adopted March 2013 (Table 9-2).

3.4 NON-REVENUE WATER DEMANDS

The subtotal values in **Table 3-1** represent the demand for water at the customer's meter for each category. To fully represent the demand placed on EID's water resources, non-revenue water also needs to be included. Non-revenue water represents all of the water necessary to deliver to the meter and reflects distribution system leaks, water demands from potentially un-metered uses of fire protection, fire hydrant flushing, and unauthorized connections, and inescapable inaccuracies in meter readings.[25] In most instances, the predominant source of non-revenue water is from system losses – the loss from fittings and connections from the District's water sources through treatment plants, tanks, pumping plants, major delivery system back-bone pipelines, and community distribution systems.

Although the District has an established program for identifying and accounting for most unbilled and other system losses, there are still pipeline leaks, unmetered uses, unauthorized connections, meter inaccuracies, and other losses that are difficult to specifically quantify. Consistent with the District's methodology for calculating future water meter availability, as defined in the *2012 Water Resources and Service Reliability Report,* non-revenue water is projected at a fixed rate of 13 percent.

As shown in **Table 3-1**, non-revenue demand for Existing and Planned Future Uses is estimated to be about 7,700 acre-feet per year by 2035.

3.5 ESTIMATED EXISTING AND PLANNED FUTURE USES

Combining the estimated water demand for Other Currently Planned Projects (see Section 3.2 with the All Other Existing and Planned Future Uses demand (Current Customers and Uses plus the Adjusted GPU Land Use values), the total estimated demand during each 5-year increment to 2035 is derived (see subtotal water demand in **Table 3-1)**.

[25] See footnote 14

Table 3-1 – All Other Existing and Planned Future Uses

Category	Estimated Demand (af/yr)					
	Current	2015	2020	2025	2030	2035
Other Currently Proposed Projects	0	271	1,238	1,949	2,501	2,752
Current Customers and Uses [1]	38,984	34,154	33,809	33,694	33,579	33,464
Adjusted GPU Land Use [2]	0	514	2,853	7,975	14,718	22,830
Subtotal Water Demand	**38,984**	**34,940**	**37,901**	**43,618**	**50,798**	**59,046**
	Current	2015	2020	2025	2030	2035
Non-Revenue Water at 13%	--	4,542	4,927	5,670	6,604	7,676
Total Water Demand	**38,984**	**39,482**	**42,828**	**49,288**	**57,402**	**66,722**

1. The "Current Customers and Uses" demand value includes the "Other Authorized Uses." The Value is greater under the "Current" condition because "Non-Revenue Water" is included in the current year. All other years will have "non-revenue water" added on a separate line. A 3% conservation decrease occurs by 2035.
2. "Adjusted GPU Land Use" reflects changes to the 2004 GPU as determined by FILs submitted to EID. This value also does NOT include the other proposed projects currently undergoing County CEQA review.

3.6 TOTAL ESTIMATED DEMAND

The other existing and planned future water demands described in this section represent the total demands anticipated *in addition to* the water demands of the Proposed Project. Combining the estimated Proposed Project water demands of 573 acre-feet annually (see **Table 2-3**) with the estimated Existing and Planned Future water demands of approximately 66,780 acre-feet annually (see **Table 3-1**), a total estimated demand for EID water supplies by 2035 is determined. Estimated existing and planned future water demands, inclusive of non-revenue water needs, for each 5-year increment to 2035 are presented in **Table 3-2**. The estimated demand for EID Water supplies is 67,295 acre-feet annually.

Table 3-2 – Total Estimated Water Demands

Category	Estimated Demand (af/yr)					
	Current	2015	2020	2025	2030	2035
Proposed Project	0	18	109	272	472	573
Existing and Planned Future Uses	38,984	39,482	42,828	49,288	57,402	66,722
Total Water Demand	**38,984**	**39,500**	**42,937**	**49,560**	**57,874**	**67,295**

Of note is that the estimated water demand for 2035 presented in **Table 3-2** fits within the range of total demands presented in Table 9-1 of the 2013 IWRMP (estimated to be between 61,262 acre-feet and 77,315 acre-feet). The primary differences is that the 2013 IWRMP used 2008 as a baseline demand, which is substantially higher than EID has seen in the last several years. This WSA uses 2012 as a baseline. The 2008 value was approximately 45,000 acre-feet, while the 2012 value is 38,984 – or about 39,000 acre-feet. This represents a difference of about 6,000

acre-feet. Starting from a different baseline quantity and year, and then applying the 2013 IWRMP growth rates, results in a different estimated total demand when reaching 2035.

SECTION 4 – WATER SUPPLY CHARACTERIZATION

4.1 INTRODUCTION

This section explains the intended water supply that EID will use to serve the Proposed Project.[26] EID will meet the Proposed Project's water demands by utilizing water assets derived from its existing sources as well as through future asset acquisition efforts with El Dorado County Water Agency. This section details the Proposed Project's available water supplies and entitlements as well as its planned water supplies and entitlements in both normal water years and dry water years. The Proposed Project exists completely in El Dorado Irrigation District's contiguous water service area (see **Figure 4-1**) and may be served with both treated water and recycled water.[27]

El Dorado Irrigation District maintains two primary interconnected water systems in its contiguous service area: the El Dorado Hills system and the Western/Eastern system, along with a separate recycled water system. The El Dorado Hills water system obtains its primary supplies under rights and entitlements from Folsom Reservoir. The Western/Eastern system derives its supplies from sources under rights and entitlements emanating from further up the American River watershed and the Cosumnes River watershed. The recycled water system serves treated wastewater from the El Dorado Hills wastewater treatment plant and the Deer Creek wastewater treatment plant.

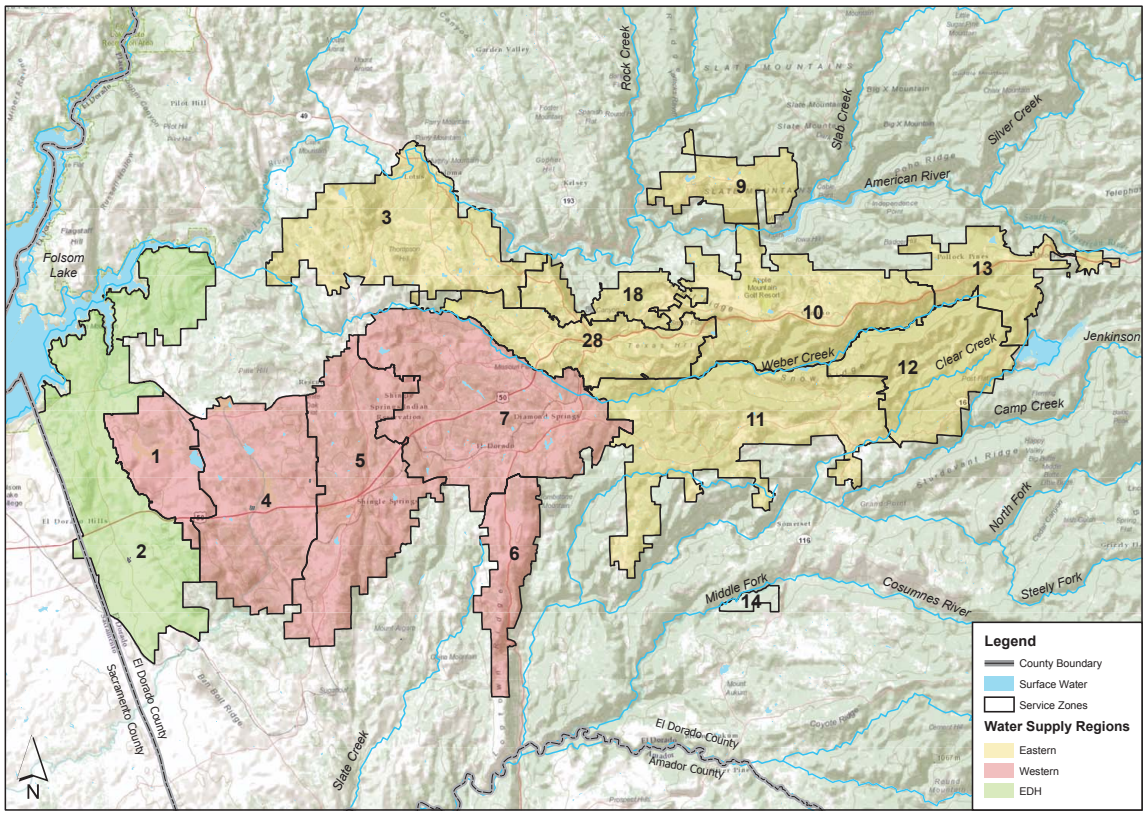
The water assets can be further categorized by the service area they primarily serve and the treatment plant they flow through. Water derived from Folsom Reservoir is delivered to the El Dorado Hills water treatment plant and serves the El Dorado Hills area. Water derived from upstream American River watershed diversions and storage reservoirs generally use the Reservoir 1 Water Treatment Plant while the Cosumnes River diversions use Reservoir A Water Treatment Plant to serve the Western/Eastern area. Water assets from these upstream diversions can be delivered by gravity feed to the El Dorado Hills area, but assets from Folsom Reservoir are not delivered outside the El Dorado Hills area due to infrastructure limitations. The following subsections describe these water supplies and delivery mechanics in more detail.

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[26] CWC § 10910(d)(1) requires that "The assessment… include an identification of any existing water supply entitlements, water rights, or water service contracts relevant to the identified water supply for the proposed project, and a description of the quantities of water received in prior years by the public water system…under existing water supply entitlements, water rights, or water service contracts. (2) An identification of existing water supply entitlements, water rights, or water service contracts held by the public water system…shall be demonstrated by providing information related to all of the following: (A) Written contracts or other proof of entitlement to an identified water supply. (B) Copies of a capital outlay program for financing the delivery of a water supply that has been adopted by the public water system. (C) Federal, state, and local permits for construction of necessary infrastructure associated with delivering the water supply. (D) Any necessary regulatory approvals that are required in order to be able to convey or deliver the water supply."

[27] EID also has surface water assets that it serves to two non-contiguous areas as well as raw water assets that are used for agricultural purposes. These water assets are irrelevant to the Proposed Project contemplated in this Water Supply Assessment and are, therefore, not analyzed.

Figure 4-1 – El Dorado Irrigation District Service Area
(from Figure 8-7, Integrated Water Resources Master Plan, EID, March 2013)



4.2 TREATED WATER SUPPLIES

EID's treated water supplies identified for the Proposed Project are derived from a number of water rights and entitlements as detailed in **Table 4-1**. The maximum available water assets column in **Table 4-1** does not account for other hydrological, technical, regulatory, and contractual limitations that apply to the water assets for normal year and dry year deliveries. These issues are addressed in the other two columns in the table. EID's water assets available for the Proposed Project include water rights and entitlements that EID currently has in its possession and planned water rights and entitlements that it will control in the future.

4.2.1 Water Rights and Entitlements Description

Generally, EID's water assets are derived from pre-1914 appropriative water rights, licensed and permitted appropriative water rights, Central Valley Project (CVP) contracts, Warren Act contracts (that allow non-federal water assets to be wheeled through the federal storage and conveyance facilities), and recycled water generated from the effluent treated at the District's two wastewater treatment plants. The District's counsel has recently confirmed all of these water rights and entitlements. Pertinent information regarding these water assets is included in **Appendix A** of this document as required by Water Code section 10910(d).

Water for the Proposed Project will be derived from both Folsom Reservoir and upstream American River and Cosumnes River diversions. As shown in **Table 4-1**, the primary water assets for diversion at Folsom Reservoir are: CVP Contract 14-06-200-1375A-LTR1, and License 2184 and several pre-1914 water rights incorporated into Warren Act contract 06-WC-20-3315. EID is seeking to finalize its Warren Act contract for diversions of Permit 21112 at Folsom Reservoir. EID also has additional water assets under the El Dorado – SMUD Cooperation Agreement and a Central Valley Project water entitlement derived from El Dorado County Water Agency's Fazio water supply. These water assets will be described in **Section 4.2.2**.

Table 4-1 – Water Rights, Entitlements, and Supply Availability

Water Right or Entitlement	Maximum Water Assets Available (Ac-ft)	Normal Year Planned Supply Availability (Ac-ft)	Dry-Year Planned Supply Availability (Ac-ft)
License 2184 and pre-1914 ditch rights including Warren Act Contract 06-WC-20-3315	4,560	4,560	3,000
Licenses 11835 and 11836	33,400	23,000	20,920[A]
CVP Contract 14-06-200-1375A-LTR1	7,550	7,550	5,660
Pre-1914 American River diversion and storage rights	15,080	15,080	15,080
Permit 21112	17,000	17,000	17,000
Subtotal Existing	**77,590**	**67,190**	**61,660**
Central Valley Project Fazio water entitlement (PL 101-514 (1990) Fazio) [D]	7,500	7,500	5,625
Applications 5645X12, 5644X02 and partial assignment of Applications 5645, 5644 with El Dorado-SMUD Cooperation Agreement [E]	40,000[B]	30,000	5,000[C]
Subtotal Planned	**47,500**	**37,500**	**10,625**
Recycled Water	5,600	5,600	5,600
Total	**130,690**	**110,290**	**77,885**

[A] This is the modeled safe-yield of this water right during a single dry-year. For planning purposes, the second and third dry years of a three-year dry period are assumed to be 17,000 acre-feet, and 15,500 acre-feet, respectfully
[B] Section 5.1.1 of the El-Dorado SMUD Cooperation Agreement indicates that 40,000 acre-feet of SMUD water will be available after 2025. For conservative Normal Year planning purposes, the District uses 30,000 acre-feet of available supply.
[C] Available supply is 15,000 acre-feet in a single dry year but in preparing for multiple dry years EID anticipates using only 5,000 acre-feet per year for a three year period.
[D] Available starting in 2015
[E] Available starting in 2025

License 2184 and Pre-1914 Water Rights

Water rights associated with Weber Dam, Weber Creek (Farmer's Free Ditch), Slab Creek (Summerfield Ditch), and Hangtown Creek (Gold Hill Ditch) are available to be diverted at Folsom Reservoir under a long-term Warren Act Contract, with approximately 4,560 acre-feet available each year from these sources. A Warren Act Contract allows the use of federal facilities to take non-CVP water such as these supplies. The 40-year contract commenced on March 1, 2011 and has a maximum net contract amount of 4,560 acre-feet per year. The contract total also assumes a 15% conveyance loss between the former points of diversion and Folsom

Reservoir, which can be adjusted at a later date by mutual agreement without amending the contract. The annual water diversion season is limited to April through November 15 and the water must be used for municipal and industrial purposes in the El Dorado Hills and Cameron Park areas.

Licenses 11835 and 11836

Licenses 11835 and 11836 allow for 33,400 acre-feet of diversion in EID's upstream system in the Cosumnes River watershed. These diversions are stored in Jenkinson Lake, the largest storage reservoir in EID, formed by two earth and rock dams across Sly Park Creek near Pollock Pines with a maximum capacity of 41,033 acre-feet. The dam was constructed as a portion of the United States Bureau of Reclamation (USBR) CVP in 1955. With the transfer of ownership from the USBR of the Sly Park dam and associated lands and facilities in 2003, EID not only operates and maintains the Jenkinson Lake and Sly Park Dam facilities, including recreational aspects, but also holds the water rights. The average annual use from this facility is approximately 23,000 acre-feet, though EID's annual water right is for 33,400 acre-feet of total beneficial use. This water supply is used entirely within EID's contiguous service area. Under average flow conditions, Jenkinson Lake is operated to maintain 14,000 to 18,000 acre-feet of carryover storage each year. The outlet works at Sly Park Dam have a maximum capacity of 125 cfs. Water is released to the Reservoir A Water Treatment Plant for subsequent treatment, transmission, and distribution.

Jenkinson Lake contributes approximately 20,920 acre-feet per year to EID's system firm yield. Over the past five years, EID's annual diversions from Jenkinson Lake have averaged approximately 22,600 acre-feet per year. EID's maximum and minimum diversions from this particular water source during this five-year period were 25,745 and 20,800 acre-feet per year, respectively.

USBR CVP Contract 14-06-200-1375A-LTR1

Surface water from Folsom Reservoir is provided to the El Dorado Hills area. By contract with the USBR for Folsom Reservoir water, EID is entitled to 7,550 acre-feet per year. The contract includes provisions for use in a particular area that generally encompasses the El Dorado Hills and Cameron Park areas. Folsom Reservoir is operated by the USBR as part of the CVP, a multipurpose project that provides flood control, hydroelectricity, drinking water, and water for irrigation.

The El Dorado Hills County Water District entered into a USBR Contract in 1964 for water supply from Folsom Reservoir. The contract had a not-to-exceed limit of 37,600 acre-feet per year. When EID annexed the El Dorado Hills County Water District in 1973, the contract was assigned to EID, and subsequently, in 1979, an amendatory contract replaced the original 1964 contract and reduced the maximum annual supply quantity of Folsom Reservoir water to 6,500 acre-feet per year. In 1983, the USBR increased the maximum annual supply quantity from

6,500 to 7,500 acre-feet per year. EID also annexed and succeeded to a USBR Contract for 50 acre-feet per year to supply the Lakehills area in El Dorado Hills. In 2006, these two contracts were consolidated into a single 40-year USBR Contract with a maximum quantity of 7,550 acre-feet per year.

Pre-1914 South Fork American River and Project 184

EID acquired Project 184 from Pacific Gas and Electric (PG&E) in 1999. Project 184 includes reservoirs and associated dams, 22 miles of canals, a 21 Mw powerhouse, and other ancillary facilities. Prior to the transfer of ownership and water rights, EID held a contract to purchase water from PG&E and its predecessor, Western States Gas and Electric Co. The original water rights claims date back to 1856, with additional claims being filed in the 1860s and 1870s. The water rights for diversions from Echo Lake were established in 1880 in a California Supreme Court decision. Then, in 1918, the California Railroad Commission (predecessor to the California Public Utilities Commission) recognized the use of water from the El Dorado Canal for irrigation and domestic purposes.

The sources of this water supply include natural flows in the South Fork American River and its tributaries, and stored water in Silver, Aloha, Echo, and Caples Lakes. The supply is diverted from the South Fork American River at Kyburz and is conveyed via the El Dorado Canal to the El Dorado Forebay. Some additional water is obtained by diversions into the El Dorado Canal from streams tributary to the South Fork American River. EID takes consumptive use of the water supply at the Main Ditch Intake, located at the El Dorado Forebay. This particular supply contributes 15,080 acre-feet per year to EID's system firm yield.

Water diversions of up to 156 cfs can be made from the South Fork American River at the diversion dam. In addition to these direct diversion rights, EID also has pre-1914 diversion and storage rights associated with portions of the waters stored in Silver Lake, Caples Lake, and Lake Aloha and all of the waters stored in Echo Lake.

El Dorado Forebay is filled by the surface water supply from the Project 184 facilities upstream in the South Fork American River basin and at Echo Lake. EID has a consumptive water entitlement of 15,080 acre-feet per year delivery at the Forebay. The entitlement is a pre-1914 water right, and diversions are made in compliance with the 40-year Federal Energy Regulatory Commission Project 184 operating license issued to EID in October 2006. Because the full entitlement can be provided in all years including the most severe historic single dry year of 1977, this source of water is considered assured, and not subject to shortage from hydrologic droughts.

Permit 21112 and Warren Act Contract

The State Water Resources Control Board (SWRCB) issued EID a water right permit in 2001 for an additional 17,000 acre-feet per year of water supply associated with Project 184 facilities and power operations to be taken at Folsom Reservoir. This water supply was authorized under

Permit 21112 for diversion and consumptive use anywhere within EID's contiguous service area. There are no cutback provisions on this supply.

The El Dorado County Water Agency (EDCWA) and EID applied to the SWRCB to obtain water rights for consumptive use of waters previously stored and released for power generation from Caples, Silver, and Aloha Lakes, as well as certain direct diversions from the South Fork American River, all of which have been used by Project 184 for hydroelectric power generation or instream flows. The EDCWA later assigned all of its rights under this application to EID. The SWRCB granted the right to appropriate 17,000 acre-feet per year of water. Permit 21112 allows EID to make direct diversions from the South Fork American River at Folsom Reservoir; to store in Caples, Silver, and Aloha Lakes; and to redivert the water released from storage. The sole approved point of take for consumptive purposes is Folsom Reservoir.

A diversion from Folsom Reservoir requires acquiescence from the USBR and issuance of a Warren Act Contract. EID has diverted water under this right under a temporary urgency basis and the Warren Act Contract is pending.

Recycled Water Supplies

EID produces recycled water at both the El Dorado Hills and Deer Creek wastewater treatment plants which is then used by EID's customers for irrigation of residential landscape and commercial landscape. The availability of recycled water is currently limited to the El Dorado Hills and Cameron Park areas. EID anticipates a 2035 recycled water supply totaling 5,600 acre-feet per year (see Section 4.3 for further details).

4.2.2 Planned Water Supplies

EID has plans to acquire and use two additional water supplies from EDCWA for use within its service area to make available for the Proposed Project – water under the El Dorado-SMUD Cooperation Agreement and water under EDCWA's Fazio CVP supply. This section describes these supplies.

El Dorado-SMUD Cooperation Agreement

As shown in **Table 4-1**, the additional supplies include a grouping of water right applications and assignment of existing water right applications totaling approximately 40,000 acre-feet of water. This supply is being developed by the El Dorado Water and Power Authority (EDWPA). EDWPA is a Joint Powers Authority consisting of El Dorado County, El Dorado County Water Agency and El Dorado Irrigation District (collectively, El Dorado Parties). EDWPA was formed to pursue additional water supplies for the western slope of El Dorado County as determined by the El Dorado County General Plan. This need is identified in the El Dorado County Water Agency Water Resources Development and Management Plan (Water Plan).[28] The Water Plan is designed to coordinate water resource planning activities within El Dorado County and identifies

[28] http://www.edcgov.us/water/final_water_resources_plan.html

water supply needs for the western slope of El Dorado County of approximately 34,000 acre-feet per year (AFA) at the 2025 demand level.

In 2005, the El Dorado Parties signed the "El Dorado – SMUD Cooperation Agreement" (included with **Appendix A**), which would help meet the Water Plan's identified water supply needs. This Agreement requires SMUD to make annual deliveries of up to 30,000 acre-feet of water through 2025 and 40,000 acre-feet thereafter from SMUD's Upper American River Project (UARP) to the El Dorado Parties. In 2008, EDWPA petitioned the SWRCB for partial assignment of two applications for diversion and storage to obtain water supplies necessary to trigger SMUD's obligations. A Draft Environmental Impact Report has been prepared in support of the water rights application and was circulated in July 2010. EDWPA is currently in the protest settlement phase and the CEQA process is anticipated to be completed in 2014 with award of water rights shortly thereafter.

The El Dorado-SMUD Cooperation Agreement also obliges SMUD to provide carryover storage and delivery to EID of up to 15,000 acre-feet of drought protection water supplies to be obtained by EDWPA. Based on demand projections, EID anticipates that only 30,000 acre-feet of the 40,000 acre-feet identified in the water right applications and the El Dorado – SMUD Cooperative Agreement will be available to EID in normal years. Moreover, EID has planned that a mere 5,000 acre-feet of the water supply will be available for EID's uses in each dry year. This number is derived from Appendix H of the El Dorado – SMUD Cooperation Agreement describing deliveries available from carryover storage. Both of these conservative assumptions are shown in **Table 4-1**. EID has planned this supply to be available starting in 2025.

Fazio CVP Supply

EID is also in the final stages of securing 7,500 acre-feet of CVP water supplies in conjunction with EDCWA. In 1990, Congress directed the Secretary of the Interior, through the USBR, to enter into a new CVP Municipal and Industrial (M&I) water service contract with EDCWA for up to 15,000 acre-feet of water annually (Section 206 of P.L. 101-514). The CVP water service contract requires requisite compliance by EDCWA and the USBR with CEQA, NEPA, and ESA statutes.

In 2009, a draft EIS/EIR was released for public review and comment for the CVP M&I water rights contract. In 2010, USBR advised EDCWA that it would take another 5 years before the CVP-Operations Criteria and Plan (OCAP) related litigation would allow the EIS to move forward. As a result, EDCWA made the decision to detach the EIR from the EIS – essentially separating the CEQA and NEPA processes. EDCWA certified the Final EIR and approved the project in January 2011. EDCWA then prepared and submitted to USBR a draft Biological Assessment (BA) in September 2011 and a draft Final EIS in October 2011. USBR submitted the draft Final EIS to NOAA Fisheries in December 2011. Final EIS completion and contract execution is pending completion of ESA consultation with NOAA Fisheries.

The CVP contract seeks to acquire 15,000 acre-feet of CVP project water, of which at least 7,500 acre-feet would be made available to EID by subcontracts with EDCWA.[29] Diversions by EID would occur at its existing intake in Folsom Reservoir, conveyed to the El Dorado Hills Water Treatment Plant, and delivered to a specific place of use location in El Dorado Hills and Cameron Park areas as shown in Figure ES-2 of EDCWA's EIR.

The contract negotiations and environmental compliance efforts are ongoing. These actions allow EID to use this water supply in this WSA as a planned supply that will be available to EID in the future to serve the Proposed Project. The approval of the contract terms as well as finalization of the environmental documents will allow EID to apply the water supplies under this contract entitlement to municipal and industrial beneficial uses. EID has planned this water supply to be available starting in 2015.

4.2.3 Normal Year Water Supply Availability

As shown in **Table 4-1**, EID's total water entitlements under its existing and planned supplies does not equate to the amount of water available in normal years in the future. The normal year water supplies will be described in this section.

Excluding recycled supplies, EID's secured water rights and entitlements available for the Proposed Project total 67,190 acre-feet. As shown in the sufficiency analysis in Section 5, this amount is insufficient to serve EID's future demand incorporating the Proposed Project and all planned future projects. Accordingly, this section assesses both EID's secured supplies and additional planned supplies. EID's water supplies associated with the entire secured and planned water assets totals 110,290 acre-feet per year.

The 67,190 acre-feet of secured supplies include appropriative water right license 2184 and pre-1914 appropriative water rights associated with Slab Creek, Hangtown Creek and Weber Creek. As described above, these rights are collectively combined for conveyance purposes in a Warren Act Contract, No. 06-WC-20-3315, that allows for storage in and diversion from Folsom Reservoir. The total volume is 4,560, net of a negotiated 15% conveyance loss under the terms of the Warren Act contract. For purposes of serving the Proposed Project, EID assumes full diversion at 4,560 in normal years under these water assets.

Appropriative water right licenses 11835 and 11836 are also secured supplies. These supplies can be diverted from several creeks in the Cosumnes River watershed (Camp, Hazel, and Sly Park) and are typically stored in Jenkinson Lake. The maximum rate of diversion is 500 cfs for a total possible diversion volume of 33,400. However, due to limitations in storage availability in Jenkinson Lake assessed through OASIS hydrologic modeling, the maximum available normal

[29] Central Valley Project Water Supply Contracts Under Public Law 101-514 (Section 206): Proposed Contract Between the U.S. Bureau of Reclamation and the El Dorado County Water Agency, and Proposed Subcontracts Between the El Dorado County Water Agency and the El Dorado Irrigation District, and Between the El Dorado County Water Agency and the Georgetown Divide Public Utility District Final Environmental Impact Report at ES-1, January 2011.

year supply for the Proposed Project is 23,000 acre-feet.[30] Although EID has diverted as much as 25,745 acre-feet from this reservoir, EID does not anticipate using more than 23,000 acre-feet under this right for its normal year diversions in the future.

Central Valley Project Contract 14-06-200-1375A-LTR1 is a secured supply available for immediate use for the Proposed Project. This CVP contract entitlement requires the USBR to deliver up to 7,550 acre-feet of water from its SWRCB water right permits on the American River to EID.

As described in Section 4.2.1, EID also has a number of pre-1914 appropriative water rights on the American River with storage components in Silver Lake, Lake Aloha, Caples Lake, and Echo Lake. For purposes of this document, these are collectively called the pre-1914 American River water rights.[31] The total volume of water available under the pre-1914 American River water rights is 15,080 acre-feet in normal years.

Appropriative water right permit 21112 is a secured supply for purposes of this WSA. Permit 21112 allows EID to divert up to 17,000 acre-feet of water per year from Folsom Reservoir to be used in EID's service area. EID has diverted water under this permit as part of a temporary urgency in 2008. EID must finalize its Warren Act Contract to divert this water at Folsom Reservoir. However, based upon the availability of the supply in Permit 21112, the ability to store the water in Caples, Silver, and Aloha lakes, and the pending conveyance agreement with USBR, the normal-year availability of this supply is 17,000 acre-feet.[32]

As described in Section 4.2.2, EID's planned water supplies include the CVP Fazio supply of 7,500 acre-feet as authorized under federal law. Once secured, EID should receive normal-year deliveries of the full entitlement just as USBR promises to other CVP M&I contract holders on the American River system. There is no reason to believe that this contract entitlement will be different than other CVP contract entitlements on the American River system.

Last, as described in Section 4.2.2, EID's planned water supplies derived from the EDWPA appropriative water right applications filings and assignments, as well as the El Dorado – SMUD Cooperation Agreement, indicate that EID should receive normal-year water deliveries of 30,000 acre-feet per year starting in 2025 and then as much as 40,000 acre-feet of deliveries thereafter. Based on demand projections, the District uses 30,000 acre-feet of normal-year deliveries under these collective applications and the El Dorado-SMUD Cooperation Agreement.

[30] 2013 Water Resources Report

[31] California Water Code section 10910(d)(2)(A) requires "proof of entitlement" of each individual water right that is combined into this pre-1914 American River water rights grouping. These documents are contained in **Appendix A** of this Water Supply Assessment.

[32] EID Urban Water Management Plan 2010 Update, July 2011 at page 4-7 of 22. Follow-up discussion with EID Counsel on water availability on April 23, 2013.

4.2.4 Dry-Year Water Supply Availability

As shown in **Table 4-1**, EID anticipates less water being available in dry years than is otherwise available in normal years as described in Section 4.2.3. Dry-year supplies include supply reductions attributable to hydrologic droughts and regulatory curtailments. The dry-year water supplies are described in this section.

EID's entire normal-year secured and planned water assets total 110,290 acre-feet per year. In dry years, EID's total water assets equal 77,885 acre-feet. Of this total supply, 61,660 acre-feet are secured water assets and 16,225 acre-feet are planned water assets.

As described in Section 4.2.3, the secured water assets include License 2184 and the additional pre-1914 appropriative rights that are included in Warren Act contract 06-WC-20-3315, Licenses 11835 and 11836, CVP Contract 14-06-200-1375A-LTR1, the pre-1914 American River water rights grouping, and Permit 21112. All of these water rights are subject to different regulatory and hydrological restrictions that could result, in some instances, in reduction of the water supplies available under the right or entitlement in dry years.

The water rights contained in the Warren Act Contract 06-WC-20-3315 have some level of regulatory restrictions and hydrological uncertainty. EID's 2010 UWMP indicates that the estimated dry-year yield associated with this water asset is 3,000 acre-feet per year based upon regional hydrologic conditions.[33] Accordingly, based upon the presumed hydrologic conditions, the dry-year reliability for this supply in three consecutive dry years is 3,000 acre-feet per year.

Licenses 11835 and 11836 have a full diversion entitlement of 33,400 acre-feet per year. Of that amount, carryover storage in Jenkinson Lake and diminished inflow reduce that entitlement to a normal-year supply of 23,000 acre-feet per year. In dry years, this amount is further reduced based upon hydrologic conditions as well as carryover storage needs for future years from Jenkinson Lake. Accordingly, based upon the OASIS hydrologic modeling report, EID reduces this supply's availability to 20,920 acre-feet in a single dry year. Thus, 20,920 acre-feet per year is used in this WSA as the dry-year safe yield number for a single dry year. To be conservative, EID plans for this supply to be further reduced during year two and again in year three of and three consecutive dry years. This WSA uses 17,000 acre-feet and 15,500 acre-feet as the available supply in year two and year three of a multi-year drought, respectfully.

CVP Contract 14-06-200-1375A-LTR1 has a normal-year entitlement of 7,500 acre-feet per year. The USBR, however, assesses the dry-year supply availability of its CVP M&I contracts through the CVP M&I Shortage Policy. Based on inflow and storage criteria developed at the joint operations center, USBR can reduce contract water supplies under the CVP M&I Shortage Policy by up to 25% of historic use with various adjustments made for population, use of non-

[33] EID Urban Water Management Plan 2010 Update, July 2011 at page 4-6 of 22. Follow-up discussion with EID Counsel on water availability on April 23, 2013.

CVP water and extraordinary conservation actions.[34] With these adjustments in mind, USBR calculates the reduced CVP M&I delivery essentially based upon the average of the three previous normal years of use under the CVP contract. Under the strictest interpretation of this policy, if the water under the CVP contract was not used, then the dry year water is not available. But, USBR has considered that use of non-CVP supplies in lieu of CVP water use may be used to calculate use under this shortage policy. For purposes of this analysis, however, we have determined that based upon normal growth in demand in EID's service area, EID's customers would utilize the entire contract entitlement in normal years in the future. As such, EID calculates its dry-year reduction for this Proposed Project based upon three years of full use of its contract allocation. Accordingly, the dry year supply under this water contract entitlement is 5,660 acre-feet per year.

EID's pre-1914 American River water rights-grouping has a normal-year reliability of 15,080 acre-feet per year. Based upon the early priority date of these water assets and the storage capability within EID's system associated with these water assets, they are not reduced at all in a single dry year or three consecutive dry years.

Permit 21112 is another secure dry-year water asset. EID's 2010 UWMP states "there are no cutback provisions on this supply."[35] As such, the dry year reliability of Permit 21112 is 17,000 acre-feet per year.

As described in Section 4.2.2, EID's planned supplies include the CVP Fazio supply, and the several rights and contract that make up the UARP SMUD water. All of these assets combined have a three consecutive dry year supply reliability of 10,625 acre-feet per year.

The CVP Fazio supply is another CVP M&I contract supply that is subject to the same Municipal and Industrial shortage provisions described above for EID's other CVP contract entitlement. EID's expected portion of the Fazio supply has a normal-year contract allocation of 7,500 acre-feet per year. Assuming under the rules described above that EID is able to use its entire contract entitlement in the future, a 25% reduction from the contract entitlement reduces the delivery by 1,875 acre-feet per year. As such, the single dry year reliability and three consecutive dry year reliability under this contract is 5,625 acre-feet per year.

Last, the UARP SMUD water that is derived from the numerous water right applications and assignments as well as the El Dorado-SMUD Cooperative Agreement indicates that the water available under these components in dry years could be severely curtailed. Appendix H of the Agreement states that annual deliveries can be superseded and deliveries from carryover drought

[34] Reclamation has the authority to reduce the supply volumes even further under extreme conditions – Health and Safety criteria – but this sort of supply reduction would only occur in extreme drought and would be offset by reductions in demand in EID's service area, as needed, to maintain basic Health and Safety conditions. The District's drought contingency plans address these situations.

[35] This assertion was confirmed in a telephone conversation with the District's Counsel on April 23, 2013.

storage can be reduced to as little as 5,000 acre-feet in a declared Critically Dry year if SMUD reservoir storage drops below 100,000 acre-feet (approximately 25%). Out of an abundance of caution, EID anticipates only 5,000 acre-feet of carryover drought-supply water would be available each year over the course of a three-year drought.

4.3 RECYCLED WATER SUPPLIES

EID uses recycled water to meet some current non-potable demands within its service area. EID may expand its development and use of recycled water in the future to meet a portion of the non-potable demands associated with the Proposed Project and other anticipated new demands. EID's current recycled water use is about 2,200 acre-feet per year. This use will expand incrementally over time. By 2035, EID anticipates a supply of 5,600 acre-feet of recycled water per year within its service area.[36]

EID's recycled water system consists of supply from the El Dorado Hills wastewater treatment plant and the Deer Creek wastewater treatment plant. These treatment plants have an interconnected network of transmission and distribution pipelines, pump stations, storage tanks, pressure reducing stations, and appurtenant facilities located within the communities of El Dorado Hills and Cameron Park.[37] EID mandates the use of recycled water through Board Policy 7010, wherever economically and physically feasible as determined by the Board, for non-domestic purposes.[38] At this time, non-domestic use includes commercial landscape irrigation, residential or multi-family dual-plumbed landscape irrigation, construction water, and recreational impoundments.

Recycled water availability is an outcome of increased municipal and domestic demand and wastewater production as a byproduct of this demand. In other words, annual recycled water production capabilities are based on the total wastewater flows to the treatment plants. With the population and industrial demands growing in this region, as described in Section 3, the availability of recycled water will increase. EID is taking a conservative view of the growth in recycled water based upon its current production levels, estimated regional population growth, facility expansion identified in its 2013 IWRMP and WWFMP, treated water discharge requirements, and its ability to capture and store recycled water supplies in the future. The total recycled water available for use in 2035 is estimated to be 5,600 acre-feet per year.[39] Accordingly, Table 4-2 shows the incremental recycled water assets that would be available over time for the District's non-potable water uses.

[36] EID Integrated Water Resources Master Plan, March 31, 2013
[37] EID Urban Water Management Plan 2010 Update, July 2011 at page 4-10 of 22.
[38] EID Urban Water Management Plan 2010 Update, July 2011 at page 4-6 of 22.
[39] EID Integrated Water Resources Master Plan, March 31, 2013 at page 221.

Table 4-2 – Timing of Recycled Water and Quantities

Year	Recycled Water Supply (acre-feet)
Current	2,200
2015	2,400
2020	2,600
2025	3,100
2030	4,200
2035	5,600

4.4 Facility Costs and Financing

EID's recently completed 2013 IWRMP and WWFMP identify and allocate the future costs of capital expansion and replacement needs, and addresses financing mechanisms for EID's water assets. These costs and financing mechanisms are hereby incorporated by reference.

The District establishes and periodically updates its Facility Capacity Charges (FCCs) to recover the cost of those portions of existing District facilities that will be used by future customers and to fund needed expansion, or additional capacity, of District facilities to serve new users. The District periodically reviews its FCCs to ensure they accurately reflect the costs of providing service to new customers. Currently the District is updating the FCCs to incorporate projects identified in the adopted 2013 IWRMP. The FCC update is currently under review by the Board and a developer committee, and the District anticipates adoption of the updated FCCs in August 2013.

4.5 Regulatory Approvals and Permits

As described in Section 4.2.2, EID has water assets that require further regulatory approvals, permit compliance, and contract approvals. Each water asset has its own set of regulatory requirements that are assessed in this section.

Appropriative water right Permit 21112 issued by the SWRCB has not been perfected. In order to perfect an appropriative water right, EID must put all of the water assets under that permit to beneficial use. Upon putting the water to beneficial uses and meeting all of the other conditions in the water right permit, EID will be eligible to obtain a water right license for this appropriative water right. Attaining a water right license further fortifies the legitimacy of the water right for EID's continual use in the future. There is no indication that EID will have difficulty in obtaining a water right license for Permit 21112.

Permit 21112 also requires a Warren Act Contract to be negotiated and approved by the USBR. The Warren Act Contract will allow EID to divert water from Folsom Reservoir for delivery to the El Dorado Hills Water Treatment Plant. Although the District may choose to divert some of

the water upstream of Folsom Reservoir through other SWRCB regulatory processes, a Warren Act Contract is essential for any diversions emanating from Folsom Reservoir. EID is currently in negotiations with USBR to obtain a long-term contract. While those negotiations continue, short-term Warren Act Contracts are also obtainable, if needed. There are no foreseeable reasons that these negotiations will not succeed. Both EID's Board of Directors and USBR officials will need to execute the contract once the terms have been drafted, and EID will need to obtain judgment in a judicial action to validate the contract.

The Fazio water supply also has additional regulatory approvals and permits pending. This CVP contract entitlement is authorized by Public Law 101-514. The 15,000 acre-feet of water supply is contemplated to be split equally between Georgetown Divide Public Utilities District and EID. As described in Section 4.2.2, EDCWA is negotiating with USBR on behalf of EID to secure the CVP contract entitlement authorized by this federal statute and finalize the EIS. Accordingly, EID will continue to work with EDCWA and USBR to finalize acquisition of this water supply. Upon completion of the EIS, the EDCWA's designee and USBR officials will need to execute the CVP water supply contract, and EDCWA may need to obtain judgment in a judicial action validating the contract.

The pending water right applications and application assignments before the SWRCB as well as the El Dorado – SMUD Cooperation Agreement constitute the last water supply that is pending further regulatory approvals. As described in Section 4.2.2, EDWPA is awaiting approvals from SWRCB for these water assets. Upon SWRCB approval, EID will obtain 30,000 acre-feet of water under the El Dorado – SMUD Cooperation Agreement.

The SWRCB water right process requires the SWRCB to conduct an internal project review of the applicable technical and hydrological information as well as consider the broader effects on other legal users of water throughout the watershed before issuing a permit. This regulatory process may eventually necessitate a SWRCB hearing where testimony from proponents and opponents of the water right permit is heard and weighed by the SWRCB Board Members before issuing the conditioned permits. Once permits have been issued, then the District must comply with the permit terms and perfect application of the water supplies to beneficial use in order to acquire water right licenses associated with the appropriative water rights.

The El Dorado – SMUD Cooperation Agreement is an agreement among the various parties to cooperate in facilitating the storage and delivery of these water assets to the identified purveyors. As such, through the processing of the water right applications and the furtherance of compliance with the terms of those agreements, the water assets considered there are likely to be available to EID. The regulatory approvals and permits needed to finalize EID's control over these water assets are moving forward.

4.6 SUPPLY SUMMARY

EID has two broad categories of water assets that are available for the Proposed Project – the secured water assets and planned water assets. Collectively, these supplies total 110,290 acre-feet in normal water years and 77,885 acre-feet in a single dry water year. In year two and year three of a multi-year drought, supplies are further reduced to 73,965 acre-feet and 72,465 acre-feet, respectfully.

As described above, the secured water assets include appropriative water right License 2184 and the accompanying pre-1914 appropriative water rights held under Warren Act Contract 06-WC-20-3315, appropriative water right Licenses 11835 and 11836, CVP Contract 14-060200-1375A-LTR1, the pre-1914 American River storage and diversion appropriative water rights, and Permit 21112. The normal year water supplies available to EID under the secured assets total 67,190 acre-feet per year. In dry years, the water supplies available to EID under the secured assets totals 61,660 acre-feet per year.

The planned water assets, although partially secured, are not yet fully available for EID's use to serve the Proposed Project contemplated in this WSA. As described above, these assets are sufficiently secure to be considered planned supplies for the Proposed Project in 2035. In normal years, the water supplies under these assets total 37,500 acre-feet. In dry years, the water supplies under these assets total 10,625 acre-feet.

Finally, the recycled water assets in both normal and dry years, derived from planned growth and continual indoor water usage regardless of year type, total 5,600 acre-feet in 2035.

SECTION 5 – SUFFICIENCY ANALYSIS

5.1 INTRODUCTION

The analysis detailed in this section provides a basis for determining whether sufficient water supplies exist to meet the estimated water demand of the Proposed Project.[40]

This section includes:

- Analysis of sufficiency, considering variations in supply and demand characteristics under normal, single-dry and multi-dry hydrologic conditions,
- Analysis conclusions

5.2 SUFFICIENCY ANALYSIS

The sufficiency analysis integrates the water demands detailed in Section 2 and Section 3 with the water supplies characterized in Section 4. The results are presented in **Table 5-1** beginning with "current" conditions (recognized as 2012) and continuing with 5-year increments from 2015 through 2035. While the analysis at various intervals before build-out is important, the most critical projection for the sufficiency analysis occurs in 2035. This analysis assumes that the Proposed Project, along with the other projects simultaneously undergoing a WSA analysis (see Section 3.3), are fully constructed by 2035, and other anticipated growth continues as described in Section 3.4.

Table 5-1 incorporates the Proposed Project water demand projection in **Table 2-3**, assuming the Proposed Project develops as detailed in Section 1, and the estimated water demands for all other existing and planned future uses through 2035 as detailed in **Table 3-2**. **Table 5-1** also presents the available water supplies for the contiguous EID service area during normal, single-dry and multiple-dry years, as detailed in Section 4. The water demands and available supplies in a single dry-year and multiple dry-year condition are discussed in the following subsections.

[40] CWC § 10910 (c)(4) provides that "If the city or county is required to comply with this part pursuant to subdivision (b), the water supply assessment for the project shall include a discussion with regard to whether the total projected water supplies, determined to be available by the city or county for the project during normal, single dry, and multiple dry water years during a 20-year projection, will meet the projected water demand associated with the proposed project, in addition to existing and planned future uses, including agricultural and manufacturing uses."

Table 5-1 – Comparable Analysis of Supply and Demand

Year	Project Water Demand (af/yr)	All Other EID Water Demands (af/yr)	Total Water Demands (af/yr)	Non-Revenue Water @ 13%	Demands with Loss	EID Water Supplies						
						Surface Water				Recycled Water (af/yr)	Total Available Water Supply (af/yr)	Projected Surplus/ (Shortfall) (af/yr)
						Hydrologic Year Type		EDH Service Area (af/yr)	West/East Service Area (af/yr)	Total (af/yr)		
Current	0	38,984	38,984	N/A	38,984	Normal		29,110	38,080	67,190	2,200	69,390	30,406
	0	40,933	40,933	N/A	40,933	Single Dry		25,660	36,000	61,660		63,860	22,927
	0	40,933	40,933	N/A	40,933	Multiple Dry	Year 1	25,660	36,000	61,660		63,860	22,927
	0	38,068	38,068	N/A	38,068		Year 2	25,660	32,080	57,740		59,940	21,872
	0	34,793	34,793	N/A	34,793		Year 3	25,660	30,580	56,240		58,440	23,647
2015	16	34,940	34,956	4,544	39,500	Normal		36,610	38,080	74,690	2,400	77,090	37,590
	17	36,687	36,704	4,771	41,475	Single Dry		31,285	36,000	67,285		69,685	28,210
	17	36,687	36,704	4,771	41,475	Multiple Dry	Year 1	31,285	36,000	67,285		69,685	28,210
	16	34,119	34,134	4,437	38,572		Year 2	31,285	32,080	63,365		65,765	27,193
	14	31,184	31,198	4,056	35,254		Year 3	31,285	30,580	61,865		64,265	29,011
2020	96	37,901	37,997	4,940	42,937	Normal		36,610	38,080	74,690	2,600	77,290	34,353
	101	39,796	39,897	5,187	45,084	Single Dry		31,285	36,000	67,285		69,885	24,801
	101	39,796	39,897	5,187	45,084	Multiple Dry	Year 1	31,285	36,000	67,285		69,885	24,801
	94	37,010	37,104	4,824	41,928		Year 2	31,285	32,080	63,365		65,965	24,037
	86	33,827	33,912	4,409	38,321		Year 3	31,285	30,580	61,865		64,465	26,144
2025	241	43,618	43,859	5,702	49,561	Normal		19,610	85,080	104,690	3,200	107,890	58,329
	253	45,799	46,052	5,987	52,039	Single Dry		14,285	58,000	72,285		75,485	23,446
	253	45,799	46,052	5,987	52,039	Multiple Dry	Year 1	14,285	58,000	72,285		75,485	23,446
	235	42,593	42,828	5,568	48,396		Year 2	14,285	54,080	68,365		71,565	23,169
	215	38,929	39,144	5,089	44,233		Year 3	14,285	52,580	66,865		70,065	25,832
2030	417	50,798	51,216	6,658	57,874	Normal		19,610	85,080	104,690	4,100	108,790	50,916
	438	53,338	53,777	6,991	60,768	Single Dry		14,285	58,000	72,285		76,385	15,617
	438	53,338	53,777	6,991	60,768	Multiple Dry	Year 1	14,285	58,000	72,285		76,385	15,617
	408	49,605	50,012	6,502	56,514		Year 2	14,285	54,080	68,365		72,465	15,951
	373	45,338	45,710	5,942	51,652		Year 3	14,285	52,580	66,865		70,965	19,313
2035	507	59,046	59,553	7,742	67,295	Normal		19,610	85,080	104,690	5,600	110,290	42,995
	533	61,998	62,531	8,129	70,660	Single Dry		14,285	58,000	72,285		77,885	7,225
	533	61,998	62,531	8,129	70,660	Multiple Dry	Year 1	14,285	58,000	72,285		77,885	7,225
	496	57,658	58,154	7,560	65,714		Year 2	14,285	54,080	68,365		73,965	8,251
	453	52,699	53,151	6,910	60,061		Year 3	14,285	52,580	66,865		72,465	12,404

5.2.1 Single Dry Year Supply and Demand Conditions

Under this condition, EID would anticipate a variance from the normal-year analysis, including: (1) shortage in full availability of supplies as detailed in **Section 4**, and (2) an increase in water demand. The increase in demand is based on the following:

- Landscape irrigation demands will increase to reflect the generalized earlier start of the landscape irrigation season due to limited rainfall in the single driest year. Since this increase only applies to the outdoor portion of a customer's demand, an adjustment factor of 5 percent is applied to the total normal-year water demand values.
- Historically, during single dry year circumstances, EID does not implement its shortage contingency plan,[41] since the extent of the dry conditions into future years is unknown. EID follows adopted policies and its 2008 *Drought Preparedness Plan* when implementing any voluntary or mandatory demand reduction measures.

As a result of these factors, the Proposed Project water demand and those of the other existing and planned uses is expected to increase in a single dry year above the demand expected under normal hydrologic circumstances. Additionally, as detailed in Section 4, EID anticipates a decrease in available water supplies. These changes are shown in **Table 5-1**.

5.2.2 Multi-Dry Year Supply and Demand Conditions

When a single dry year expands into a series of dry years, water supply and demand conditions will continue to evolve. Under such a multi-dry year, EID would anticipate many similar conditions that were assumed for the single-dry year, including: (1) shortage in full availability of supplies as detailed in Section 4, and (2) increases in projected demands. However, when entering the second and third year of a sequence of dry-years, EID would implement necessary policies to manage limited water supplies.[42] Demands over a series of three dry years are adjusted as follows:

- Year 1 – the first year mimics a "single-dry year" condition, where demands increase approximately 5 percent and EID shortage policies are not yet invoked (see Section 5.2.1).
- Year 2 – The demands again mimic a "single-dry year" and would be expected to increase by 5 percent above normal year conditions. However, when recognizing a second dry-year, EID would invoke the first stage of the Drought Preparedness Plan. This stage states: "*The objective of Stage 1 is to initiate public awareness of predicted water shortage conditions, and encourage voluntary water conservation to decrease*

[41] See EID Board Policy AR 5011-Water Supply Management Conditions (available at http://www.eid.org/modules/showdocument.aspx?documentid=2687).
[42] See EID Board Policy AR 5011-Water Supply Management Conditions (available at http://www.eid.org/modules/showdocument.aspx?documentid=2687).

normal demand up to 15%."[43] As part of this stage, EID implements drought water rates among other specified activities to encourage conservation. For purposes of this WSA, the demand reduction achieved under Stage 1 is estimated to be 7 percent of the already higher single dry-year demand.

- Year 3 – Upon entering the third dry year, EID would invoke the second stage of the Drought Preparedness Plan. This stage states: "*The objective of Stage 2 is to increase public understanding of worsening water supply conditions, encourage voluntary water conservation measures, and then if necessary, enforce mandatory conservation measures in order to decrease normal demand up to 30%.*"[44] Under this Stage, EID increases efforts to reduce demand. For purposes of this WSA, the savings achieved under Stage 2 is estimated to be 15 percent of the already higher single dry-year demand.

As a result of these factors, the Proposed Project water demand and those of the Other Existing and Planned Uses is expected to increase in the first year of a multi dry-year condition above that estimated during normal hydrologic circumstances. In subsequent years, the demand will drop as elements of EID's Drought Preparedness Plan are implemented. These changes are shown in **Table 5-1**.

5.2.3 Analysis

As shown in **Table 5-1**, the demand and supply are compared under each hydrologic condition for each 5-year increment out to 2035. The resulting "supply surplus" or "supply shortfall" is shown in the final column. Based on the analyses, EID anticipates it will have sufficient water under all hydrologic conditions in each of the 5-year increments through 2035. Notably, the "surplus" supply is lowest during the second year of a multi-dry year condition, since this is the circumstance where demand is only slightly constrained, while supplies are the most constrained. Yet, even under such circumstances, sufficient water should be available.

5.3 SUFFICIENCY ANALYSIS CONCLUSIONS

As detailed in **Section 2**, this WSA estimates water demands for the Proposed Project of 573 acre-feet per year at build-out (including non-revenue water demands). The annual water demand estimate for all existing and planned projects in the contiguous EID service area, as detailed in **Section 3**, is approximately 67,300 acre-feet per year by 2035. After accounting for these demand projections for the next twenty years, EID should have sufficient water to meet the demands of the Proposed Project and its other service area demands for at least the next 20 years.

[43] See EID Board Policy AR 5011.2-Water supply slightly restricted Drought Stage 1 – Voluntary reductions in use (available at http://www.eid.org/modules/showdocument.aspx?documentid=2687).
[44] See EID Board Policy AR 5011.3-Water supply slightly restricted Drought Stage 2 – Voluntary and mandatory reductions (available at http://www.eid.org/modules/showdocument.aspx?documentid=2687).

The conclusion that EID should have sufficient water available to meet the needs of the Proposed Project, in addition to the other demands in its service area through 2035, rests on the following set of assumptions:

- EID, EDCWA, and EDWPA successfully execute the contracts and obtain the water right permit approvals for currently unsecured water supplies discussed in Section 4. Absent these steps, the water supplies currently held by EID and recognized to be diverted under existing contracts and agreements would be insufficient in 2035 to meet the Proposed Project demands along with all other existing and planned future uses.
- EID will commit to implement Facility Capacity Charges in an amount sufficient to assure the financing is available as appropriate to construct the necessary infrastructure as detailed in the March 2013 EID *Integrated Water Resources Master Plan*.
- Demand in single-dry years includes an additional 5 percent of demand over the normal year demand during the same time period. This conservative assumption accounts for the likelihood that EID customers will irrigate earlier in the season to account for dry spring conditions. This hypothetical demand augmentation may or may not manifest in dry years, but this conservative assumption further tests the sufficiency of water supplies during dry conditions.
- The estimated demands include 13 percent to account for non-revenue water losses (e.g. distribution system losses).

The finding of this WSA is that EID should have sufficient water to meet the demands of Proposed Project and its other service area demands for the next 20 years.

Appendix I

Appendix F: Energy Conservation

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APPENDIX F:
ENERGY CONSERVATION

I. Introduction

The goal of conserving energy implies the wise and efficient use of energy. The means of achieving this goal include:

(1) decreasing overall per capita energy consumption,

(2) decreasing reliance on fossil fuels such as coal, natural gas and oil, and

(3) increasing reliance on renewable energy sources.

In order to assure that energy implications are considered in project decisions, the California Environmental Quality Act requires that EIRs include a discussion of the potential energy impacts of proposed projects, with particular emphasis on avoiding or reducing inefficient, wasteful and unnecessary consumption of energy (see Public Resources Code section 21100(b)(3)). Energy conservation implies that a project's cost effectiveness be reviewed not only in dollars, but also in terms of energy requirements. For many projects, cost effectiveness may be determined more by energy efficiency than by initial dollar costs. A lead agency may consider the extent to which an energy source serving the project has already undergone environmental review that adequately analyzed and mitigated the effects of energy production.

II. EIR Contents

Potentially significant energy implications of a project shall be considered in an EIR to the extent relevant and applicable to the project. The following list of energy impact possibilities and potential conservation measures is designed to assist in the preparation of an EIR. In many instances specific items may not apply or additional items may be needed. Where items listed below are applicable or relevant to the project, they should be considered in the EIR.

A. Project Description may include the following items:

1. Energy consuming equipment and processes which will be used during construction, operation and/or removal of the project. If appropriate, this discussion should consider the energy intensiveness of materials and equipment required for the project.
2. Total energy requirements of the project by fuel type and end use.
3. Energy conservation equipment and design features.
4. Identification of energy supplies that would serve the project.
5. Total estimated daily vehicle trips to be generated by the project and the additional energy consumed per trip by mode.

B. Environmental Setting may include existing energy supplies and energy use patterns in the region and locality.

C. Environmental Impacts may include:

1. The project's energy requirements and its energy use efficiencies by amount and fuel type for each stage of the project including construction, operation, maintenance and/or removal. If appropriate, the energy intensiveness of materials maybe discussed.
2. The effects of the project on local and regional energy supplies and on requirements for additional capacity.
3. The effects of the project on peak and base period demands for electricity and other forms of energy.
4. The degree to which the project complies with existing energy standards.
5. The effects of the project on energy resources.

6. The project's projected transportation energy use requirements and its overall use of efficient transportation alternatives.

D. Mitigation Measures may include:

1. Potential measures to reduce wasteful, inefficient and unnecessary consumption of energy during construction, operation, maintenance and/or removal. The discussion should explain why certain measures were incorporated in the project and why other measures were dismissed.
2. The potential of siting, orientation, and design to minimize energy consumption, including transportation energy, increase water conservation and reduce solid waste.
3. The potential for reducing peak energy demand.
4. Alternate fuels (particularly renewable ones) or energy systems.
5. Energy conservation which could result from recycling efforts.

E. Alternatives should be compared in terms of overall energy consumption and in terms of reducing wasteful, inefficient and unnecessary consumption of energy.

F. Unavoidable Adverse Effects may include wasteful, inefficient and unnecessary consumption of energy during the project construction, operation, maintenance and/or removal that cannot be feasibly mitigated.

G. Irreversible Commitment of Resources may include a discussion of how the project preempts future energy development or future energy conservation.

H. Short-Term Gains versus Long-Term Impacts can be compared by calculating the project's energy costs over the project's lifetime.

I. Growth Inducing Effects may include the estimated energy consumption of growth induced by the project.

Note: Authority cited: Sections 21083 and 21087, Public Resources Code. Reference: Sections 21000-21176. Public Resources Code.

Revised 2009

Appendix J

Watermark Engineering Lime Rock Valley Specific Plan Drainage Analysis

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Draft

LIME ROCK VALLEY

STORM DRAIN MASTER PLAN

August 27, 2014

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LIME ROCK VALLEY STORM DRAIN MASTER PLAN

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OVERVIEW

The Lime Rock Valley Specific Plan (LRVSP) is located on the western slope of El Dorado County, south of Highway 50 and Cameron Park, approximately 11 miles west of Placerville. The LRVSP is a proposed 740-acre comprehensively planned community which will include a mixture of low and medium residential densities, a park and open spaces. At build-out, Lime Rock Valley (LRV) will accommodate as much as 800 residential dwelling units, an eight-acre park, and 333 acres of public and private natural open space. The open space element will comprise forty-five percent of the projects total acreage. See Figure 1, Vicinity Map.

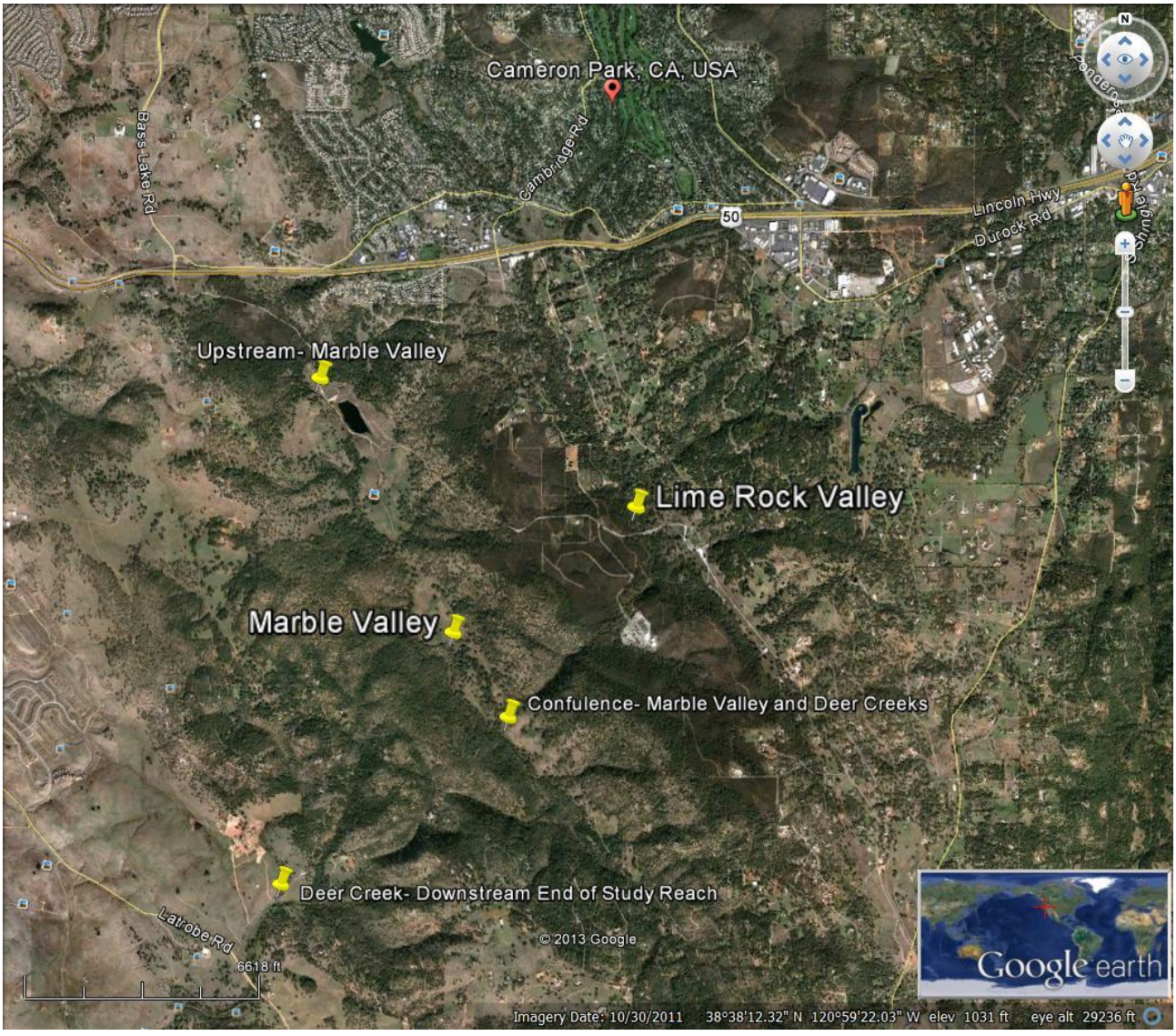


Figure 1. Vicinity Map

The proposed residential development includes as much as 550 low density residential lots (0.2 to 5 du/ac) on 324 acres and 250 medium density residential lots (5 to 8 du/ac) on 36 acres. A total of 333 acres will be preserved as oak woodlands, riparian habitat, cultural resources and natural open space.

Within Lime Rock Valley, there are only a few residential structures, a few dilapidated structures, and remnants of limestone mining. There are few roads within the property limits.

Deer Creek flows north to south through the site. There are also several tributaries to Deer Creek that drain the development area. The terrain is moderately steep as Deer Creek drains south through Cameron Park, then continues southerly for about two miles after crossing under Highway 50. The creek then turns southwest, discharging into the Cosumnes River upstream of Highway 99.

DEVELOPMENT CONDITIONS

The development of Lime Rock Valley is expected to be concurrent or after the development of the proposed Village of Marble Valley for both access and utilities. The proposed main entrance to LRV will be an extension of the major road through Marble Valley and water supply is currently planned to be provided from an extension through Marble Valley.

Although it is expected that the Marble Valley development will be concurrent or ahead of the LRV development, there is a chance that LRV will be developed before Marble Valley. Because of uncertainty of the development sequence, three scenarios have been analyzed and are presented in this document.

The three scenarios are as follows:

1. **Scenario A**: Existing Conditions.
2. **Scenario B**: Based on the assumption that the Marble Valley development is concurrent or in front of LRV, and the increased peak flows from LRV would be completely attenuated by facilities within Marble Valley.
3. **Scenario C**: Based on the assumption that Marble Valley is not developed and LRV is developed. A berm will be constructed across the drainage channel that traverses the southeast portion of the development site that flows from the southeast to the northwest. The berm and outfall culvert will attenuate the developed 100-year peak flow leaving the LRV development area to equal or less than the 100-year peak flow under existing conditions.

SOFTWARE

The XP-SWMM was used for the analysis. It is a dynamic program, based on the EPA SWMM, with numerous improvements. The model continuously accounts for all subshed runoff throughout the duration of the selected storm. Time steps are between 3 to 30 seconds, and all of the runoff is routed through the model.

The XP-SWMM software is graphics-based with numerous error routines and graphic aids to assist the modeler. The runoff model has numerous hydrologic methods available to generate runoff hydrographs. The hydraulics module transports this runoff through a system of pipes, channels, storage/treatment devices, pumps, and regulators. The program can track the quantity and quality of runoff generated within each subcatchment, and the flow rate, flow depth, and quality of water in each pipe and channel during the simulation period comprised of multiple time steps.

XP-SWMM is approved by FEMA for use to update or complete Flood Insurance Studies. Sacramento County uses XP-SWMM extensively.

METHODOLOGY

Both the hydrologic and hydraulic analyses are based on procedures outlined in the County of El Dorado Drainage Manual, adopted 3-14-95. The SCS Curve Number methodology was used. XP SWMM was used for both hydrograph generation and hydraulic routing.

The purpose of this study was to analyze the drainage systems and determine facilities that will provide attenuation sufficient such that developed flows are equal to or less than existing conditions and that there will be no increase in flood potential downstream of the project. It should also be noted that local drainage facilities within the several development areas have not been evaluated because there is no site development information at this time.

The analysis consisted of hydrologic and hydraulic analyses of Deer Creek and two significant tributaries that drain portions of LRV.

HYDROLOGY

Peak Flow Data along Main Stem of Deer Creek

There were two discontinued gages along Deer Creek where peak flow data were collected in the past: Deer Creek near Shingle Springs and Deer Creek near Sloughhouse. Another gage, identified as Deer Creek at Cameron Park, has more recent peak flow data available. The Sloughhouse gage is downstream of the confluence of Marble Valley Creek and Deer Creek while the other two are upstream of the confluence. Figures 2, 3, & 4 are plots of the respective peak flows at the three gages.

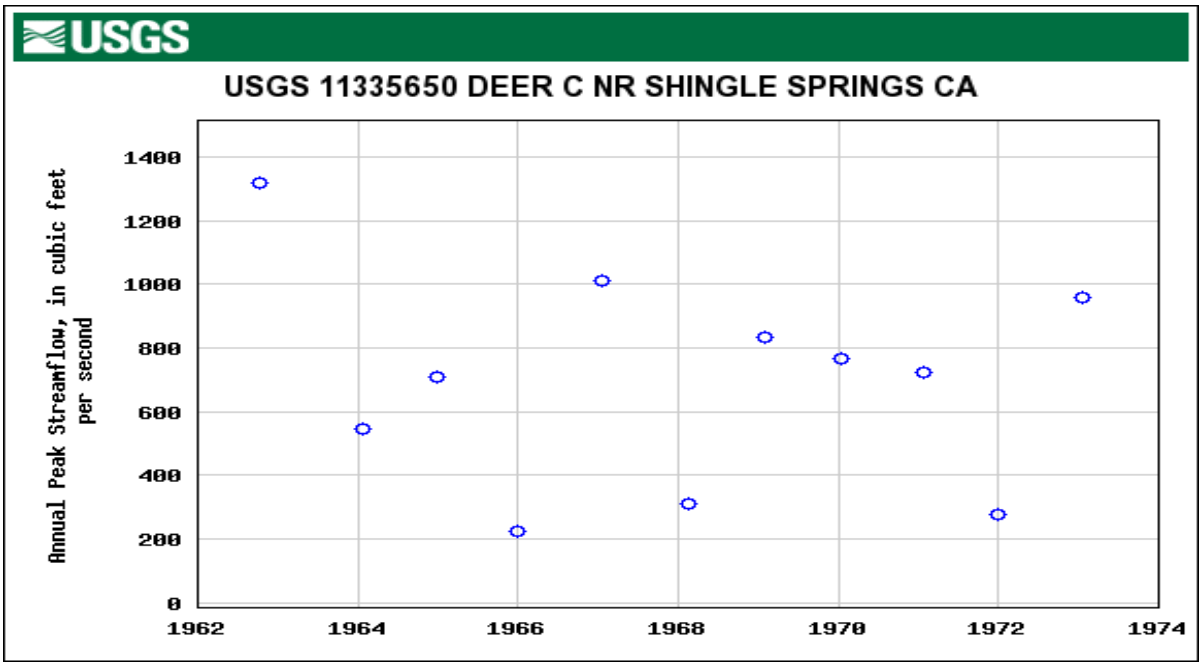


Figure 2. Peak Flows along Deer Cr near Shingle Springs, Gage #11335650, DA= 6.62 sq. mi.

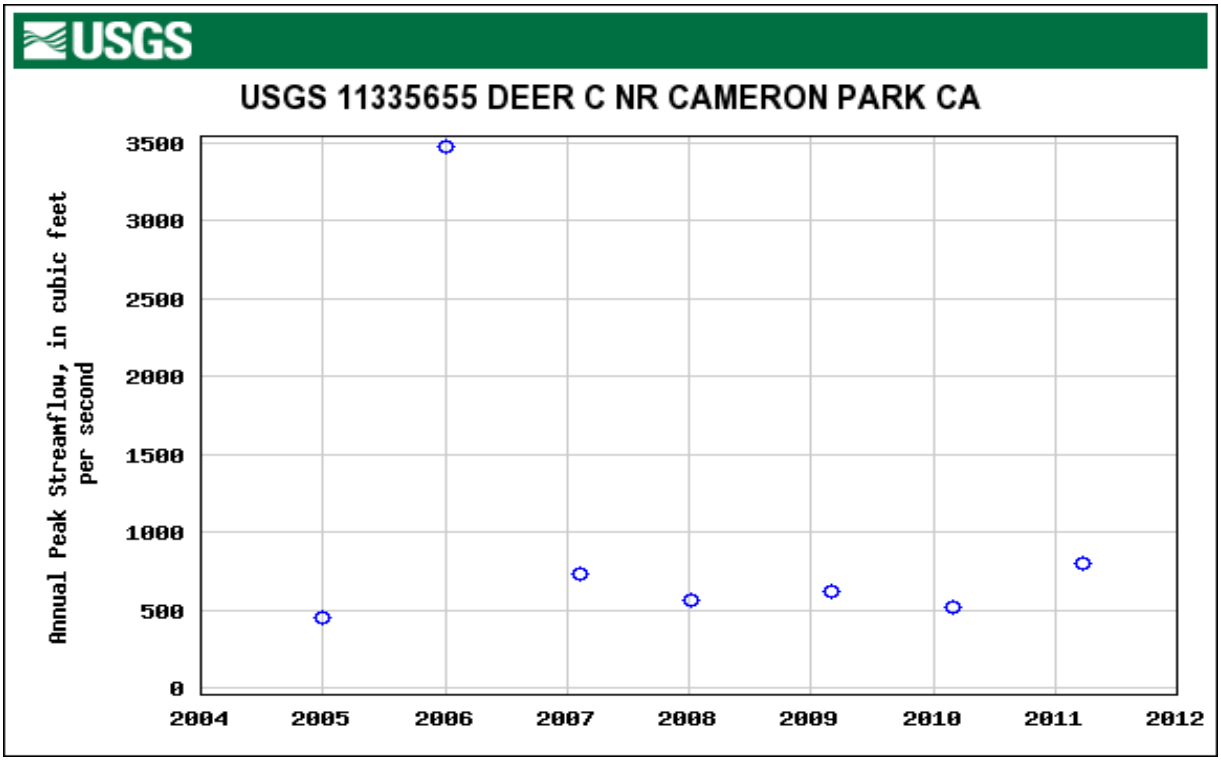


Figure 3. Peak Flows along Deer Creek near Cameron Park, Gage # 11335655, DA= 10.3 sq. mi

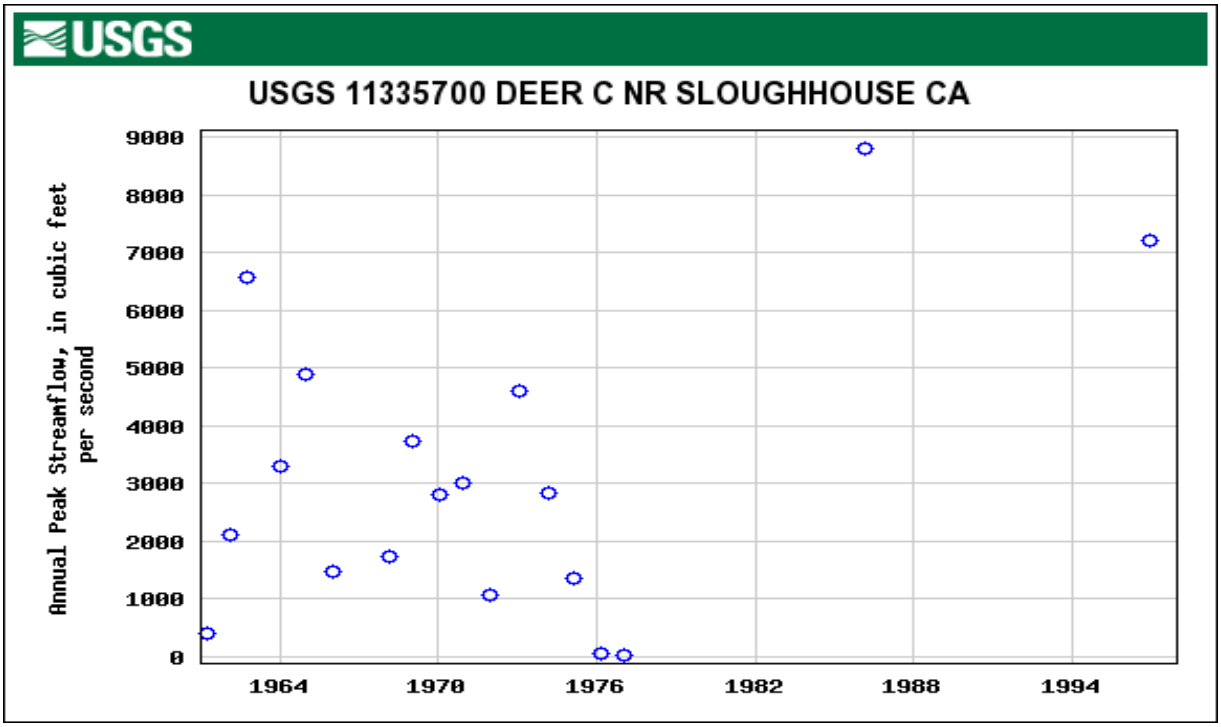


Figure 4. Peak Flows along Deer Creek near Sloughhouse, Gage # 11335700, DA=46.0 sq. mi.

Flood frequency data were also available at two of the gages. The statistical 100-year peak flow estimates, using Bulletin 17B (standardized flood-frequency analysis techniques), are 1,820 cfs at the Shingle Springs gage and 10,800 cfs at the Sloughhouse gage. All of the hydrologic data described above were used as guidelines to estimate runoff from the selected subsheds.

Subshed Tributary Peak Flow Analysis

The SCS Curve Number methodology was used to generate runoff hydrographs from the selected subsheds. Thirty-one subsheds were used to define the runoff hydrographs from the Marble Valley development area. An additional thirteen subsheds were modeled to define tributary areas of Deer Creek and Marble Creek upstream of the development.

Type D soils were assumed in all cases based on SCS soils information, the relatively steep slopes, and visual evidence of hard rock at or near the land surface. Soils are mostly within the Auburn series, silt loams, about 1 to 2 feet thick on bedrock. The hydrologic classification is Type D soils, low permeability. A curve number (CN) of 84 was used for all undeveloped areas based on interpretation of Table 2-2a from Soil Conservation Service-Technical Release 55.

There are several methods to compute time-of-concentration and/or catchment lag. Several methods were evaluated, and as expected, results varied because of the variety of slopes and shapes of the subsheds. Rather than selecting one of the methodologies, the modeler used the USGS Regional Flood-frequency Equations (Table A2.4.1, El Dorado County Drainage Manual) as a guide to determine peak flows within the SCS hydrograph method for each subshed. Trial and error was used to select lag times that seemed reasonable and generated hydrographs with peak flows that were similar but generally larger compared to the peaks computed from the regression equation.

Runoff hydrographs were generated for existing conditions. For the development scenarios, the percent imperviousness and the times-of-concentration were modified based on proposed land use and extent of development relative to the total subshed area. For this study, the 100-year storm was used for evaluating potential downstream impacts. The 2- and 10-year storms were also analyzed and the results are provided but were not used to size the proposed detention facilities.

A summary of the 100-year peak flows and the basin parameters for the three scenarios [: existing (Scenario A); Marble Valley and LRV developed (Scenario B); and only Lime Rock developed (Scenario C)], is provided in Table 1. Changes to the watershed parameters as a result of each development are quantified on the table.

A summary of the 2-, 10-, and 100-year flow information and a map of the upper Deer Creek watershed with shed boundaries is provided in the Appendices.

HYDRAULICS

There will be a moderate increase in runoff when Lime Rock Valley develops. Normally, measures are taken to maintain downstream water levels to avoid impacts to nearby development. In this case, there is no development, and there are no structures along Deer Creek and its tributaries within LRV. Therefore, there would be no local impacts if the runoff increased and the corresponding water levels were higher as a result of development.

However, there is development along Deer Creek farther downstream. Therefore, the design of the drainage facilities will be to attenuate the LRV development flows equal to or less than development flows measured along Deer Creek downstream of the LRV development.

Table 1. Summary of 100-yr Peak Flows and Basin Parameters.

	Existing Conditions					Developed Conditions				Changes from Development			
Node Name	Area (ac)	100-yr Max Flow cfs	% Imprv	Perv. Curve #	Time of Conc (min)	Source	% Imprv	Time of Conc (min)	100-yr Max Flow cfs	% Imprv Increase	Time of Conc De-crease (min)	Pk Flow Increase (cfs)	Node Name
D1	4,356	2,547	25	84	190								D1
D2	1,254	911	25	84	133								D2
D3	381	329	15	84	92	M	20		336	5		7	D3
D4	651	499	10	84	109	M	13		506	3		7	D4
D5a	142	139	2	84	66	B	12	61	152	10	5	13	D5a
D5b-2+	1,939	1,200	5	84	150	L	6		1,206	1		6	D5b-2+
D6a-2+	569	430	2	84	105	L	4		434	2		4	D6a-2+
D6b-18+	220	198	2	84	77	L	25		219	23		21	D6b-18+
D6c-24+	72	81	2	84	51	L	30		91	28		10	D6c-24+
D6d-48+	696	507	2	84	112	L	10		526	8		19	D6d-48+
d121+3+D6e	110	113	2	84	60	L	20		123	18		9	d121+3+D6e
D7a	118	119	2	84	62	M	7		122	5		3	D7a
D7b	315	268	2	84	85	B	5	80	281	3	5	13	D7b
D8	173	164	2	84	70	M	5		166	3		2	D8
D9	259	228	2	84	80	M	13	78	243	11	2	15	D9
D10	238	210	2	84	80	M	5		213	3		3	D10
D11	1,768	1,098	2	84	146								D11
D12	687	503	2	84	111								D12
							If blank, no change to basin parameter.						
M1a	23	31	2	84	33								M1a
M1b	65	75	2	84	48								M1b
M1c	39	49	2	84	41								M1c
M1d	55	65	2	84	46								M1d
M2	51	63	10	84	45								M2
M3a	150	144	2	84	68	M	11	63	157	9	5	12	M3a
M3b	134	132	2	84	65	M	10		137	8		5	M3b
M4a	70	79	2	84	50	M	8	47	84	6	3	5	M4a
M4b	110	113	2	84	60	M	10	55	123	8	5	10	M4b
M5	87	94	2	84	55	M	21	50	107	19	5	13	M5
M6	107	111	2	84	59	M	32	49	139	30	10	28	M6
M7a	102	107	2	84	58	M	15		113	13		6	M7a
M7b	45	55	2	84	43	M	21	38	63	19	5	8	M7b
M8	65	75	2	84	48	M	38.2	38	97	36.2	10	22	M8
M9	40	49	2	84	42	M	32	35	60	30	7	11	M9
M10a	42	52	2	84	42	M	27	38	60	25	4	9	M10a
M10b	55	65	2	84	46	M	22	41	75	20	5	10	M10b
M11a	46	55	2	84	44	M	26	39	65	24	5	9	M11a
M11b	96	102	2	84	57	M	22	52	116	20	5	15	M11b
M11c	50	60	2	84	45	M	15	40	67	13	5	7	M11c
M12	95	102	2	84	56	M	13		107	11		5	M12
M13a	71	80	2	84	50	M	10	47	86	8	3	6	M13a
M13b	62	72	2	84	47	M	12	44	78	10	3	6	M13b
M13c	52	62	2	84	45	M	8	42	66	6	3	4	M13c
M13d	44	54	2	84	42	M	5	40	56	3	2	2	M13d
PluktCr	1,078	728	2	84	127	M	4		735	2		7	PluktCr
StrpMinr	359	296	2	84	90								StrpMinr
Totals	17,141	12,516				M= Marble Valley, L= Lime Rock Valley, B= Both							

The goal of the attenuation is to mimic existing conditions or to reduce downstream flows if there are existing flooding issues downstream of the development. The analysis for the proposed attenuation focused on the 100-year storm because that is the size of storm that is most likely to impact downstream properties. The 2- and 10-year storms were also routed through the proposed facilities.

Results of the 2- and 10-year storm analyses indicate there is slightly less attenuation compared to the 100-year analysis. This is mainly because the culvert sizing needs to be sufficiently large to safely pass the 100-year storm, and consequently, the smaller storms pass more quickly with less attenuation. A smaller culvert would improve the attenuation during the smaller storms but would also generate greater upstream storage during the 100-year storm. This tradeoff was evaluated, but the culvert configuration was based solely on the design to safely pass the 100-year storm.

As stated earlier and currently not defined, Site Design Measures will be implemented as the development proceeds. These measures will reduce peak flows and volumes of smaller storms. The reductions will tend to mitigate the flow increases expected as a result of development. This is a secondary reason to focus the culvert design on the 100-year storm rather than any lessor storm.

Scenario A: Existing Conditions

The computed runoff hydrographs were then routed along the respective creeks. Tributaries were added just upstream of their respective confluence with the main stem using a typical steep channel. A more detailed analysis of the tributaries affected by LRV development will be completed at a later date as part of the development design.

Scenario B: Attenuation is provided as part of Marble Valley development

These facilities would be part of the southern road crossing within the Marble Valley development at channel stationing 135+75. Preliminary facilities include a 7’ wide by 5’ high box culvert to attenuate the flows leaving Marble Valley and the flow along Deer Creek downstream of Plunkett Creek.

Please note that because of the timing of the peak flows along both Deer Creek and Marble Valley Creek, coupled with inflow from several side tributaries, significant attenuation is needed to attenuate the downstream peak of Deer Creek. The inflow upstream of the road embankment is approximately 1,450 cfs during the 100-year storm, and the outflow through the box culvert is about 800 cfs. Maximum upstream water depth is 30 feet, and the temporary storage is about 53 acre-feet. The storage area upstream of the road embankment fills and empties in about six hours.

The major benefit of this approach is that detention facilities within Lime Rock Valley would not have to be constructed or maintained.

As an additional note, the depth and temporary storage at this proposed site would exceed Dam Safety requirements if applicable. Review of the regulations and a phone conversation with personnel at the Division of Dam Safety indicated that rail, roadway, and highway embankments are exempt from the regulation.

Scenario C: Attenuation is provided within the LRV development facilities

A relatively large berm and restricted outfall at approximately cross-section D6-42+ (station 42+00) along a tributary from the south will provide the necessary attenuation. The maximum storage upstream of the berm will be approximately 25 acre-feet, the RCP outlet pipe has a diameter of 66 inches, and the maximum water depth at the face of the berm will be about 19 feet. The stored runoff will drain to normal channel conditions in less than six hours after the peak has passed.

Map 1 in the appendices, shows the location of the proposed detention and also provides comparative 100-year flows at key locations of Deer Creek and the southern tributary. Map 2 also provides floodplain information along the main stem of Deer Creek and selected tributaries through the LRV development area.

Summary

Although not needed for this analysis, two recommendations are presented. The first is that an emergency spillway to be included in the roadway embankment design, and the second is erosion control facilities downstream of the box culvert be designed rather than installing a simple blanket of large stone. Discharge velocities are very high at both proposed embankments.

Table 2 provides flows for existing and developed conditions at selected locations to show that there will be no increase of flow along Deer Creek as a result of the Lime Rock Valley development. Appendix B provides similar flow information at the selected nodes for the 2-, 10-, and 100-year storms.

Table 2 Summary of 100-yr Flows at Select Locations

Description	Location/ Chnl Stationing	Scenario A Exist Conditions (cfs)	Scenario B LRV Dev., MV Dev., (cfs)	Scenario C LRV Dev., MV Undev., (cfs)
Deer Creek Upstream of LRV	d102+80x	3,000	3,000	3,000
Deer Cr DS of LRV Boundary	d121+30x	5,120	5,160	5,080
Deer Cr DS of LRV Influence	d140-145	5,300	5,330	5,250
Deer Cr US of confluence with Marble Valley Cr	d180-185	5,490	5,520	5,420
Marble Valley Cr US of confluence w/ Deer Cr	175-179end	1,700	857	1,700
Deer Cr DS of confluence with Marble Valley Cr	d185-190	6,320	6,370	6,170
Deer Cr - DS of confluence w/ Plunkett Cr-End of Study	DrCrDS	8,820	8,720	8,650

Note that the 100-year peak flow computed in this analysis, if projected downstream to Sloughhouse, would be larger compared to the flood frequency information presented earlier that was based on the Bulletin 17B procedures. Based on comparatively more intense rainfalls over the last 20-30 years, the higher peak flows from the XP SWMM modeling will be used.

There is typically additional runoff from developed impervious surfaces. Table 3 provides a summary of the volumes of runoff for both existing and developed conditions. The developed conditions volume does not include any reductions gained from Design Site Measures that will be part of the development but are unknown at this time. Note that the runoff volumes are from the entire Deer Creek shed area. Subshed volumes are available if needed.

Table 3. Summary of Storm Volumes

Storm Event	Exist Cond Vol (af)	Dev. Cond Vol. (af)	Increase (af)
2-yr	1,544	1,570	26
10-yr	2,917	2,951	34
100-yr	4,848	4,889	41

Electronic copies of the modeling files are available upon request.

WATER QUALITY

Water quality Best Management Practices (BMPs) will be implemented on a parcel by parcel basis to adhere to the most current NPDES Phase II Small MS4 General Permit and El Dorado County Storm Water Quality Standards, effective at the time of parcel entitlement. Lacking detailed parcel specific site plans, grading and utility design during the Specific Plan process, it is impossible to quantify, or identify locations of, specific Low Impact Design (LID) elements, Treatment Control Measures and Hydromodification Control Measures.

These measures are best implemented during the tentative map planning stage as more detailed, parcel specific, design information becomes available to assist in developing LID credits, to determine treatment control and hydromodification control extent or necessity.

Water quality Best Management Practices will be utilized to reduce urban runoff pollution to the maximum extent practicable.

DISCUSSION

Timing of peak flows is very important for this project, and the model analysis is based on several simplifying assumptions. The rainfall intensity, distribution, and duration are all based on standard modeling procedures. Different storm shapes will generate different hydrograph shapes. In addition, the shape of the runoff hydrograph is also dependent on subshed characteristics and time of concentration.

The proposed berm will provide significant attenuation along the southeast tributary and moderate attenuation along Deer Creek. If the time-of-concentration along the main channel of Deer Creek is less than modeled, then the attenuation at the proposed berm will actually be greater along Deer Creek compared to the information presented herein. If the estimated time-of-concentration for the mainstem is longer, the effect of the berm on the southeast tributary is less important, and the proposed development will not cause an increase in flood potential along the downstream reaches of Deer Creek.

MAP 1

G3 ENTERPRISES, INC

LIME ROCK VALLEY

DRAINAGE PLAN

August 2014



LEGEND

- EXISTING DRAINAGE SHED
- EXISTING DRAINAGE SWALE
- D2 DRAINAGE BASIN
- PROPOSED DETENTION BASIN
  DETENTION VOLUME = 25 AC-FT
- B DRAINAGE NODE

Deer Cr

A

D5A

D5B

D6D

D6E

C

D

D6C

B

D7A

DEER CREEK
WASTE WATER
TREATMENT PLANT

D6B

E

D9

Deer Creek

D7B

D6A

D8

PROPOSED
VILLAGE OF MARBLE VALLEY
SPECIFIC PLAN

Marble Creek

D10

F

(DS End of Study)

SCENARIOS A + C

100-YR RUNOFF (CFS)

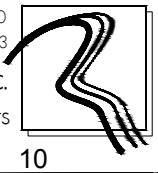
NODE	PRE	POST
A	3,000	3,000
B	630	650
C	630	460
D	5,120	5,070
E	5,300	5,250
F	8,820	8,640

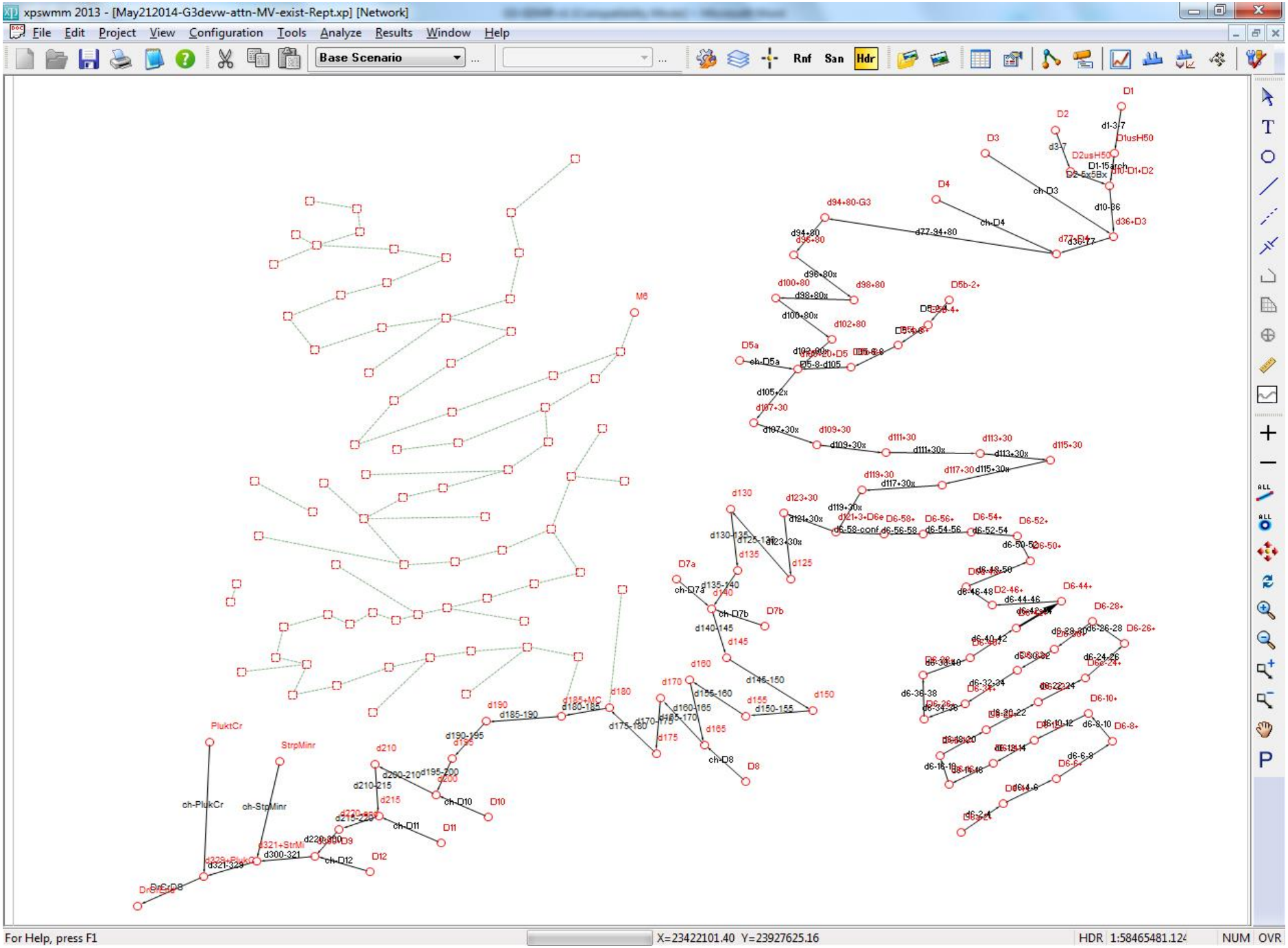
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SCALE IN FEET

NOTE: DETENTION IN LIME ROCK VALLEY TO BE CONSTRUCTED ONLY IF NO DETENTION IS PROVIDED AS PART OF THE MARBLE VALLEY SPECIFIC PLAN.

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Appendix A, Modeling Map, Marble Valley (undeveloped) modeled but “turned off”.

Node Name	Area (ac)	Storm Freq (yrs)	Max Q (Exist) (cfs)	Max Q (LRV Dev) (cfs)	Increase from LRV Dev (cfs)	Max Q (LRV + MV Dev) (cfs)	Increase from MV Dev (cfs)
D1	4356	2	826	826		826	
D1	4356	10	1,553	1,553		1,553	
D1	4356	100	2,547	2,547		2,547	
D2	1254	2	296	296		296	
D2	1254	10	557	557		557	
D2	1254	100	911	911		911	
D3	381	2	101	101		107	5
D3	381	10	197	197		203	6
D3	381	100	329	329		336	7
D4	651	2	149	149		154	5
D4	651	10	296	296		301	6
D4	651	100	499	499		506	7
D5a	142	2	40	44	5	46	6
D5a	142	10	81	87	7	90	9
D5a	142	100	139	148	9	152	13
D5b-2+	1939	2	353	353		353	
D5b-2+	1939	10	704	708	5	708	
D5b-2+	1939	100	1,200	1,206	6	1,206	
D6a-2+	569	2	123	126	3	126	
D6a-2+	569	10	250	254	3	254	
D6a-2+	569	100	430	434	4	434	
D6b-18+	220	2	57	71	15	71	
D6b-18+	220	10	115	134	19	134	
D6b-18+	220	100	198	219	21	219	
D6c-24+	72	2	23	32	9	32	
D6c-24+	72	10	47	59	12	59	
D6c-24+	72	100	81	95	14	95	
D6d-48+	696	2	145	157	12	157	
D6d-48+	696	10	295	311	16	311	
D6d-48+	696	100	507	526	19	526	
d121+3+D6e	110	2	32	39	7	39	
d121+3+D6e	110	10	66	74	8	74	
d121+3+D6e	110	100	113	123	9	123	

Node Name	Area (ac)	Storm Freq (yrs)	Max Q (Exist) (cfs)	Max Q (LRV Dev) (cfs)	Increase from LRV Dev (cfs)	Max Q (LRV + MV Dev) (cfs)	Increase from MV Dev (cfs)
D7a	118	2	34	36	2	36	
D7a	118	10	70	72	2	72	
D7a	118	100	119	122	3	122	
D7b	315	2	77	82	5	82	
D7b	315	10	156	165	9	165	
D7b	315	100	268	281	13	281	
D8	173	2	47	47		48	2
D8	173	10	95	95		97	2
D8	173	100	164	164		166	2
D9	259	2	65	65		74	9
D9	259	10	133	133		145	12
D9	259	100	228	228		243	15
D10	238	2	60	60		62	2
D10	238	10	122	122		125	3
D10	238	100	210	210		213	3
D11	1768	2	314	314		314	
D11	1768	10	639	639		639	
D11	1768	100	1,098	1,098		1,098	
D12	687	2	144	144		144	
D12	687	10	293	293		293	
D12	687	100	503	503		503	
StrpMinr	359	2	85	85		85	
StrpMinr	359	10	173	173		173	
StrpMinr	359	100	296	296		296	
PluktCr	1078	2	208	208		213	4
PluktCr	1078	10	424	424		430	6
PluktCr	1078	100	728	728		735	7

Node Name	Area (ac)	Storm Freq (yrs)	Max Q (Exist) (cfs)	Max Q (LRV Dev) (cfs)	Increase from LRV Dev (cfs)	Max Q (LRV + MV Dev) (cfs)	Increase from MV Dev (cfs)
M1a	23	2	9	9		9	
M1a	23	10	18	18		18	
M1a	23	100	31	31		31	
M1b	65	2	21	21		21	
M1b	65	10	44	44		44	
M1b	65	100	75	75		75	
M1c	39	2	14	14		14	
M1c	39	10	28	28		28	
M1c	39	100	49	49		49	
M1d	55	2	19	19		19	
M1d	55	10	38	38		38	
M1d	55	100	65	65		65	
M2	51	2	19	19		19	
M2	51	10	37	37		37	
M2	51	100	63	63		63	
M3a	150	2	41	41		47	6
M3a	150	10	84	84		93	9
M3a	150	100	144	144		157	12
M3b	134	2	38	38		41	3
M3b	134	10	77	77		81	4
M3b	134	100	132	132		137	5
M4a	70	2	23	23		25	2
M4a	70	10	46	46		50	4
M4a	70	100	79	79		84	5
M4b	110	2	32	32		37	4
M4b	110	10	66	66		73	7
M4b	110	100	113	113		123	10
M5	87	2	27	27		34	7
M5	87	10	55	55		65	10
M5	87	100	94	94		107	13
M6	107	2	32	32		47	15
M6	107	10	65	65		86	22
M6	107	100	111	111		139	28
M7a	102	2	30	30		35	4
M7a	102	10	62	62		68	6
M7a	102	100	107	107		113	6
M7b	45	2	16	16		20	5
M7b	45	10	32	32		38	6
M7b	45	100	55	55		63	8

Node Name	Area (ac)	Storm Freq (yrs)	Max Q (Exist) (cfs)	Max Q (LRV Dev) (cfs)	Increase from LRV Dev (cfs)	Max Q (LRV + MV Dev) (cfs)	Increase from MV Dev (cfs)
M8	65	2	21	21		34	13
M8	65	10	44	44		61	18
M8	65	100	75	75		97	22
M9	40	2	14	14		21	7
M9	40	10	29	29		38	9
M9	40	100	49	49		60	11
M10a	42	2	15	15		20	5
M10a	42	10	30	30		37	7
M10a	42	100	52	52		60	9
M10b	55	2	19	19		24	6
M10b	55	10	38	38		46	8
M10b	55	100	65	65		75	10
M11a	46	2	16	16		21	6
M11a	46	10	32	32		40	8
M11a	46	100	55	55		65	9
M11b	96	2	29	29		37	8
M11b	96	10	59	59		71	11
M11b	96	100	102	102		116	15
M11c	50	2	17	17		21	4
M11c	50	10	35	35		40	5
M11c	50	100	60	60		67	7
M12	95	2	29	29		32	3
M12	95	10	59	59		64	5
M12	95	100	102	102		107	5
M13a	71	2	23	23		26	3
M13a	71	10	47	47		51	4
M13a	71	100	80	80		86	6
M13b	62	2	21	21		24	3
M13b	62	10	42	42		47	4
M13b	62	100	72	72		78	6
M13c	52	2	18	18		19	2
M13c	52	10	36	36		39	3
M13c	52	100	62	62		66	4
M13d	44	2	15	15		16	1
M13d	44	10	32	32		33	1
M13d	44	100	54	54		56	2

Location	Chnl Sta	2-year Storm (cfs)			10-year Storm (cfs)			100-year Storm (cfs)		
		Scenario A- Exist Cond	Scenario B LRV Dev, MV Dev.	Scenario C LRV Dev, MV Undev	Scenario A- Exist Cond	Scenario B LRV Dev, MV Dev.	Scenario C LRV Dev, MV Undev	Scenario A- Exist Cond	Scenario B LRV Dev, MV Dev.	Scenario C LRV Dev, MV Undev
Deer Cr Upstream of LRV	d102+80x	970	970	970	1,820	1,820	1,820	3,000	3,000	3,000
Deer Cr Downstream of LRV Boundary	d121+30x	1,560	1,590	1,570	3,040	3,070	3,110	5,110	5,150	5,070
Deer CR Downstream of LRV Influence	d140-145	1,610	1,640	1,640	3,150	3,180	3,210	5,300	5,330	5,250
Deer Cr US of Confluence w/ Marble Valley Cr	d180-185	1,670	1,670	1,700	3,260	3,260	3,310	5,490	5,490	5,420
Marble Valley Cr US of Confluence w/ Deer Cr	175-179	490	475	490	1,000	695	1,000	1,700	857	1,700
Deer Cr DS of Confluence w/ Marble Valley Cr	d185-190	1,890	2,030	1,920	3,740	3,950	3,760	6,320	6,370	6,170
Deer Cr DS of Confluence with Plunkett Cr- End of Study	DrCrDS (d334)	2,560	2,710	2,590	5,150	5,300	5,150	8,820	8,730	8,640

MAP 2

LIME ROCK VALLEY

100 YEAR FLOODPLAIN EXHIBIT

August 2014



LEGEND

100 YEAR FLOODPLAIN

Note: Detention in Lime Rock Valley to be constructed only if no detention is provided as part of the Marble Valley Specific Plan.

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0 150' 300' 600'

SCALE IN FEET

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Appendix K

Fehr & Peers Lime Rock Valley Specific Plan Transportation Impact Analysis

Lime Rock Valley Specific Plan

Transportation Impact Analysis

August 2018

RS12-3029

FEHR PEERS

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1. Introduction

1.1 Report Overview

This study presents the results of a transportation impact analysis completed for the Lime Rock Valley Specific Plan (LRVSP) (project) in El Dorado Hills, California, which is an unincorporated area of El Dorado County (County). The project area is south of US 50 and is bound by the Cameron Estates subdivision on the north, the Royal Equestrian Estates subdivision on the south, the proposed Village of Marble Valley Specific Plan and Deer Creek Wastewater Treatment Plant on the west, and the Sacramento-Placerville Transportation Corridor on the east.

The purpose of this impact analysis is to identify potential environmental impacts to transportation facilities as required by the California Environmental Quality Act (CEQA). This study was performed in accordance with the *El Dorado County Department of Transportation's Traffic Impact Study Protocols and Procedures*, and the scope of work developed in collaboration with County staff and Caltrans.

The remaining sections of this report document the proposed project, analysis methodologies, impacts and mitigations.

1.2 Project Description

The proposed LRVSP includes the development of up to 800 dwelling units, on approximately 360 acres, an eight-acre park plus additional neighborhood parks, and about 333 acres of public and private open space. The total site is approximately 740 acres. The proposed project expands the Community Region of El Dorado Hills to include the LRVSP area and to rezone existing districts. Figure 1, adapted from the project's *Notice of Preparation of a Draft Environmental Impact Report,* provides an overview of the proposed project and internal roadway network to support proposed land uses. Primary public access to the project will be from Marble Valley Parkway. The project includes potential emergency vehicle access at Amber Fields Drive and Shingle Lime Mine Road.

1.3 Notice of Preparation Comments Review

The project's Notice of Preparation (NOP), which is required by CEQA, was issued on February 20, 2013. The NOP and subsequent public scoping meeting provided interested parties the opportunity to formally comment on the project. This transportation analysis is informed by comments received during the NOP comment period. The following list summarizes transportation-related comments received by affected agencies and the general public.

1.3.1.1 Agency Comments Received

- Caltrans request to review the transportation scope. Caltrans recommended specific procedures for the analysis of state facilities. *Note: Coordination with Caltrans was completed during the NOP phase and included a meeting between Caltrans and El Dorado County to review study area and analysis methods.*
- CalFire request to review dead end road length calculations. *Note: The project has been reviewed and meets the requested length parameter.*

1.3.1.2 Public Comments Received (By Topic)

As applicable, public comments were incorporated into the environmental analysis.

1.3.1.2.1 General Traffic

- Impact of potential cut-through traffic on Cameron Estates roadways. *Note: No connections are proposed to Cameron Estates. Therefore, no evaluation of potential cut-through traffic on Cameron Estates is necessary.*
- Concern regarding traffic congestion on Marble Valley Road at the Bass Lake Road interchange with 800 planned dwelling units. *Note: Analysis of Marble Valley Road (renamed Marble Valley Parkway and Marble Lake Boulevard with the project) is included in the study.*
- Need for a parallel and alternative route to US 50 on the south side of the freeway. *Note: Marble Valley Parkway will provide a parallel route to US 50 to the south.*
- Concern regarding congestion on US 50 and Cambridge Road. *Note: Analysis of Cambridge Road and US 50 (coordinated with Caltrans) is included in the study.*
- Preclude future connections to the east, west and south as not to worsen Cumulative impacts. *Note: The analysis does not assume new connections to the east, west, or south.*

1.3.1.2.2 Access

- Assess impacts associated with different circulation routes. *Note: Site access is analyzed in the study.*
- Issue of increased traffic on rural County roads and related access. *Note: The analysis study area includes rural roadways where the project is anticipated to contribute traffic.*
- Provide additional freeway access. *Note: Analysis of US 50 was coordinated with Caltrans and is included in the study. Freeway access is proposed and is consistent with the County's CIP.*
- Need more than the proposed access point from the community in the event of an emergency evacuation. *Note: Emergency vehicle access locations are proposed with the project.*

1.3.1.2.3 Pedestrian, Bicycle, Transit

- Take bicycle and pedestrian design into roadway design consideration. *Note: Bicycle and pedestrian facilities are evaluated in the study.*
- Assess Cumulative impacts of additional traffic on pedestrian and bicycle access on Cambridge Road. *Note: Bicycle and pedestrian facilities are evaluated in the study.*
- Consider public transit. *Note: transit facilities and services are evaluated in the study.*
- Provide pedestrian and bicycle access to transit especially at night. *Note: Bicycle and pedestrian facilities are evaluated in the study.*

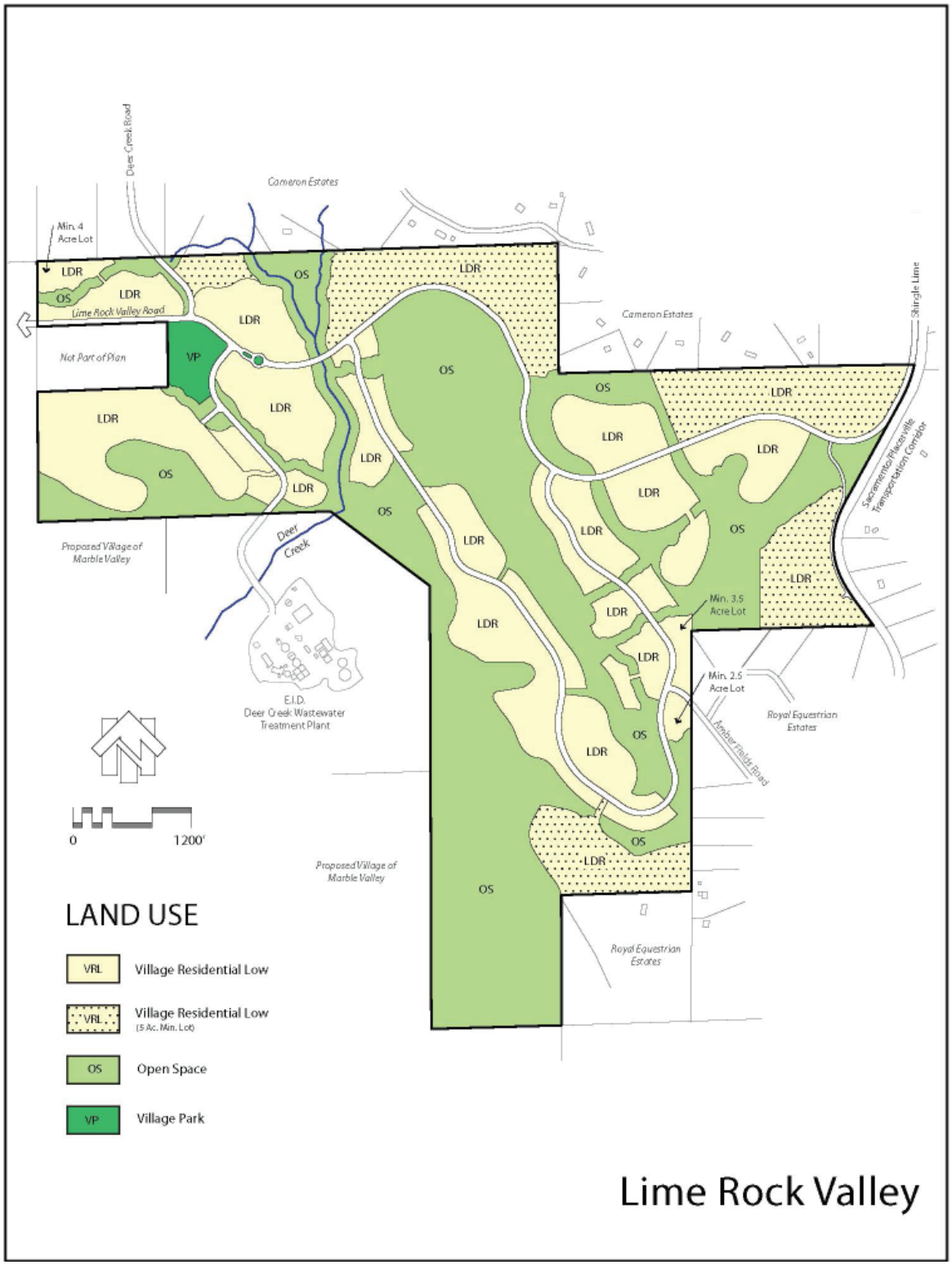


Figure 1.

Proposed Project

2. Regulatory Setting

Existing transportation policies, laws, and regulations that would apply to the proposed project are summarized below. This information provides a context for the impact discussion related to the project's consistency with applicable regulatory conditions.

2.1 State

2.1.1 California Department of Transportation

The California Department of Transportation (Caltrans) is responsible for operating and maintaining the State highway system. In the project vicinity, US 50 falls under Caltrans jurisdiction. Caltrans provides administrative support for transportation programming decisions made by the California Transportation Commission (CTC) for state funding programs. The State Transportation Improvement Program (STIP) is a multi-year capital improvement program that sets priorities and funds transportation projects envisioned in long-range transportation plans.

In June 2014, Caltrans approved a *Transportation Concept Report and Corridor System Management Plan (TCR/CSMP) for United States Route 50*. Caltrans prepares a TCR/CSMP, which is a long-range (20-year) planning document, for each state highway. The purpose of each TCR/CSMP is to identify existing route conditions and future needs and to communicate the vision for the development of each route during a 20-year planning horizon. Caltrans has established LOS E as the 'concept LOS' consistent with the El Dorado County General Plan LOS policy. Since LOS E is identified as the concept LOS no further degradation of service from existing "E" is acceptable. The Concept LOS is a generalized LOS for large study segments used by Caltrans that reflect the minimum level of service or quality of operations acceptable for each route segment.

According to the *Guide for the Preparation of Traffic Impact Studies* (Caltrans, December 2002), the existing LOS should be maintained if a freeway facility is currently operating at an unacceptable LOS (e.g., LOS F). A project impact is said to occur if the project degrades LOS from an acceptable to unacceptable level. A project impact may also occur when the addition of project trips exacerbates existing LOS F conditions and leads to a perceptible increase in density on freeway mainline segments or ramp junctions, or a perceptible increase in service volumes in a weaving area. In addition, a project impact is said to occur when the addition of project trips causes a queue on the off-ramp approach to a ramp terminal intersection to extend beyond its storage area and onto the freeway mainline.

2.2 Local

2.2.1 Sacramento Area Council of Governments

The Sacramento Area Council of Governments (SACOG) is an association of local governments in the six-county Sacramento Region. Its members include the counties of Sacramento, El Dorado, Placer, Sutter, Yolo, and Yuba as well as 22 cities. SACOG provides transportation planning and funding for the region, and serves as a forum for the study and resolution of regional issues. In addition to preparing the region's long-range transportation plan, SACOG assists in planning for transit, bicycle networks, clean air, and airport land uses.

The *Metropolitan Transportation Plan/Sustainable Communities Strategy (MTP/SCS)* (SACOG 2016) is a federally mandated long-range fiscally constrained transportation plan for the six-county area. Most of this area is designated a federal non-attainment area for ozone, indicating that the transportation system is required to meet stringent air quality emissions budgets to reduce pollutant levels that contribute to ozone formation. To receive federal funding, transportation projects nominated by cities, counties, and agencies must be consistent with the MTP/SCS.

The *2017/20 Metropolitan Transportation Improvement Program (MTIP)* is a list of transportation projects and programs to be funded and implemented over the next 3 years. SACOG submits this document to Caltrans and amends the program on a quarterly cycle. Only projects listed in the MTP/SCS may be included in the MTIP.

2.2.2 El Dorado County Transportation Commission (EDCTC)

The El Dorado County Transportation Commission (EDCTC) is the Regional Transportation Planning Agency (RTPA) for El Dorado County, except for that portion of the County within the Tahoe Basin, which is under the jurisdiction of the Tahoe Regional Planning Agency (TRPA).

One of the fundamental responsibilities which results from RTPA designation is the preparation of the County's Regional Transportation Plan. The *El Dorado County Regional Transportation Plan 2015 – 2035 (RTP)* is designed to be a blueprint for the systematic development of a balanced, comprehensive, multi-modal transportation system. The EDCTC submits the RTP to SACOG for inclusion in the MTP/SCS process.

The *El Dorado County Bicycle Transportation Plan - 2010 Update* provides a blueprint for the development of a bicycle transportation system on the western slope of El Dorado County. The plan updates the currently adopted El Dorado County Bicycle Master Plan, which was adopted in January 2005.

In May 2013, The EDCTC completed the *El Dorado Hills Community Transit Needs Assessment and US 50 Corridor Operations Plan* (Plan), which explores how the recent growth and projected development impact the need for transit services, and identifies the most appropriate type and level of service needed given the demand. The Plan represents a recommendation from the Western El Dorado County 2008 Short-Range Transit Plan to study and consider improved transit service in the El Dorado Hills area.

In April 2015, The EDCTC adopted the *Coordinated Public Transit – Human Services Transportation Plan*, which is intended to improve mobility of individuals who are disabled, elderly, or of low-income status. The plan focuses on identifying needs specific to those population groups and identifying strategies to meet their needs.

2.2.3 County of El Dorado

The County of El Dorado provides for the mobility of people and goods within El Dorado Hills, which is an unincorporated area of the County. The Transportation and Circulation Element of the El Dorado County General Plan (amended January 2009) outlines goals and policies that coordinate the transportation and circulation system with planned land uses. The following goals and their associated policies are relevant to the project.

- GOAL TC-1: To plan for and provide a unified, coordinated, and cost-efficient countywide road and highway system that ensures the safe, orderly, and efficient movement of people and goods.
- GOAL TC-X: To coordinate planning and implementation of roadway improvements with new development to maintain adequate levels of service on County roads. (The LOS policy specific to this project is described in Section 3.2.)
- GOAL TC-2: To promote a safe and efficient transit system that provides service to all residents, including senior citizens, youths, the disabled, and those without access to automobiles that also helps to reduce congestion, and improves the environment.
- GOAL TC-3: To reduce travel demand on the County's road system and maximize the operating efficiency of transportation facilities, thereby reducing the quantity of motor vehicle emissions and the amount of investment required in new or expanded facilities.
- GOAL TC-4: To provide a safe, continuous, and easily accessible non-motorized transportation system that facilitates the use of the viable alternative transportation modes.
- GOAL TC-5: To provide safe, continuous, and accessible sidewalks and pedestrian facilities as a viable alternative transportation mode.

The El Dorado County Community Development Agency's (CDA) Transportation Impact Study Guidelines set forth the protocols and procedures for conducting transportation analysis in the County (El Dorado County, 2014), including the identification of the study area. All of the study intersections for the

proposed project are within the County's jurisdiction. This traffic analysis is consistent with the County-established methods at the commencement of the project.

2.2.4 El Dorado County Transit Authority

El Dorado County Transit Authority (EDCTA) operates El Dorado Transit, which provides public transit service within the project area. El Dorado Hills is currently served by El Dorado Transit Dial-A-Ride services, Commuter Service, and the Iron Point Connector Route.

The El Dorado Park-and-Ride Facilities Master Plan (November 2007) calls for constructing nine new facilities over 20 years. The plan calls for EDCTA to assume primary responsibility for existing Park-and-Ride facilities in the County and sets forth an annual program to fund the upkeep and operation. The Plan reiterates that demand exceeds supply at the Park-and-Ride lot, referred to as the El Dorado Hills Multi-Modal Facility, located in the northeast corner of the White Rock Road/Latrobe Road intersection. In particular, Table 2 of the Plan suggests that future (Year 2027) deficiency at this location is 172 additional spaces. The Plan identifies the construction of a 325-space multi-story parking garage with ground floor retail as priority project #12 in the Capital Improvement Program list. The proposed location is the existing Park-and-Ride lot.

The plan identifies the construction of the Bass Lake Hills Multi-Modal Facility as the top priority. The concept is a condition of the Bass Lake Hills Specific Plan, which requires a designated site suitable for the construction of a 200-space Park-and-Ride facility. New development is also required to construct the first 100 spaces. The plan states that completion of the 200-space facility would fully address parking deficiencies in the Cameron Park area. Another facility, named the Marble Valley Park-and-Ride lot, has been proposed on the south side of US 50 at the Bass Lake Road interchange as part of the Marble Valley development previously approved by the County. However, the plan states that the Marble Valley Park-and-Ride lot is redundant with the Bass Lake Hills Multi-Modal Facility and instead suggests that the developer provide an in-lieu payment towards another proposed Park-and-Ride facility such as the Bass Lake Hills Multi-Modal Facility.

3. Method of Analysis

3.1 Analysis Procedures

Intersections, roadways, and freeway facilities were selected for analysis based on coordination with the El Dorado County CDA, Long Range Planning staff and Caltrans, and based on the expected distribution of project trips and review of the El Dorado County CDA's *Transportation Impact Study Guidelines*.

Each study roadway facility was analyzed using the concept of Level of Service (LOS). LOS is a qualitative measure of traffic operating conditions whereby a letter grade, from A (the best) to F (the worst), is assigned. These grades represent the perspective of drivers and are an indication of the comfort and convenience associated with driving. In general, for intersections and roadways LOS A represents conditions with little to no delay and congestion, and LOS F represents greater delay and more congestion. For basic freeways segments (i.e., like US 50 west of El Dorado Hills Boulevard), LOS A represents a vehicle density of up to 11 passenger cars per mile per lane and vehicle speeds (a secondary performance measure) at or above 65 miles per hour, and LOS F represents a vehicle density of greater than 45 passenger cars per mile per lane and vehicle speeds less than 52 miles per hour.

3.1.1 Intersections

Traffic operations at the study intersections were analyzed using procedures and methodologies contained in the *Highway Capacity Manual* (HCM) (Transportation Research Board, 2000 and 2010) (as confirmed with County staff). These methodologies were applied using Synchro or SimTraffic software packages, developed by Trafficware. Table 1 displays the delay range associated with each LOS category for signalized and unsignalized intersections based on the HCM.

The micro-simulation analysis software, SimTraffic, was used to analyze operations at the US 50/El Dorado Hills Boulevard interchange (White Rock Road to Saratoga Way) to accurately analyze the effect of closely-spaced intersections. Simulation was requested by El Dorado County staff and Caltrans. The SimTraffic micro-simulation analysis applied the following methodology:

- The simulation was conducted for the entire peak hour (i.e., 60 minutes) using four 15-minute intervals with the peak hour factor applied in the second interval
- The results were based on the average of ten model runs
- Each of the ten simulation runs applied a ten-minute seeding time

The Existing conditions SimTraffic model was validated to field measured traffic volumes and observed maximum vehicle queue lengths.

The HCM methodology determines the level of service (LOS) at signalized intersections by comparing the average control delay (i.e. delay resulting from initial deceleration, queue move-up time, time actually stopped, and final acceleration) per vehicle at the intersection to the established thresholds. The LOS for traffic signal controlled and all-way stop controlled intersections is based on the average control delay for the entire intersection. For side-street stop-controlled intersections, the LOS is evaluated separately for each individual movement with delay reported for the critical (i.e., worst case) turning movement.

The following procedures and assumptions were applied for the analysis of Existing and Cumulative conditions:

- Roadway geometric data were gathered using aerial photographs and field observations.
- Peak hour traffic volumes were entered according to the peak hour of each intersection, except for the US 50/El Dorado Hills Boulevard interchange and adjacent intersections. For the interchange and adjacent intersections, a consistent peak hour was used so that volumes would balance (a requirement for accurate simulation analysis). The peak hour of the freeway is based traffic counts.
- Headway factors were adjusted based on the observed driver behavior. Drivers were observed to be more aggressive and use smaller headway to travel through the intersections near the US 50/El Dorado Hills Boulevard interchange.
- The peak hour factor (PHF) was calculated based on traffic counts and applied by approach, except for interchange areas, which applied the intersection PHF (a requirement for accurate simulation analysis), and under Cumulative conditions where there was a significant increase in traffic volumes compared to Existing conditions was forecast. A PHF of 0.95 was used at these locations.
- The counted pedestrian and bicycle volumes were used with a minimum of two pedestrians per approach per peak hour.
- Heavy vehicle percentages were based on traffic counts and applied by movement.
- Signal phasing and timings were based on existing signal timing sheets provided by El Dorado County and field observations at the US 50/El Dorado Hills Boulevard interchange.
- Speeds for the model network were based on the posted speed limit.
- The existing heavy vehicle percentages were maintained for Cumulative conditions.

- The existing pedestrian and bicycle volumes were maintained for Cumulative conditions.
- Traffic signals were optimized to serve future traffic volumes.

TABLE 1: INTERSECTION LEVEL OF SERVICE CRITERIA

Level of Service	Average Control Delay (seconds/vehicle)		Description
	AM Peak Hour	PM Peak Hour	
A	< 10.0	< 10.0	Very low delay. At signalized intersections, most vehicles do not stop.
B	10.1 to 20.0	10.1 to 15.0	Generally good progression of vehicles. Slight delays.
C	>20.1 to 35.0	>15.1 to 25.0	Fair progression. At signalized intersections, increased number of stopped vehicles.
D	>35.1 to 55.0	>25.1 to 35.0	Noticeable congestion. At signalized intersections, large portion of vehicles stopped.
E	>55.1 to 80.0	>35.1 to 50.0	Poor progression. High delays and frequent cycle failure.
F	>80.0	>50.0	Oversaturation. Forced flow. Extensive queuing.

Source: *Highway Capacity Manual* (Transportation Research Board, 2010).

3.1.2 Roadway Segments

Roadway segment LOS was determined by comparing traffic volumes for selected roadway segments with peak hour LOS capacity thresholds. These thresholds are shown in Table 2 and were calculated based on the methodology contained in the HCM and applied for the analysis of the *2004 El Dorado County General Plan*.

TABLE 2: PEAK HOUR ROADWAY SEGMENT CAPACITIES BY FUNCTIONAL CLASSIFICATION AND LOS

Classification	Lanes	Roadway Segment Capacity (Vehicles per Hour)				
		LOS A	LOS B	LOS C	LOS D	LOS E
Arterial (Divided)	4	N/A	N/A	1,850	3,220	3,290
	5	N/A	N/A	2,350	4,060	4,110
	6	N/A	N/A	2,760	4,680	4,710
	7	N/A	N/A	3,215	5,410	5,420
Arterial (Undivided)	2	N/A	N/A	850	1,540	1,650
	4	N/A	N/A	1,760	3,070	3,130

Notes: Peak hour roadway segment capacities based on the *Highway Capacity Manual* (Transportation Research Board, 2010) and developed by the El Dorado County CDA, Long Range Planning. Five-lane capacity calculated by adding half of the

difference between the two-lane and four-lane capacity to the four-lane capacity. Seven-lane capacity calculated by adding half of the difference between the four-lane and six-lane capacity to the four-lane capacity,
Source: Fehr & Peers, 2017

3.1.3 Freeway Facilities

The HCM includes three different tiers of analysis for freeway facilities, which include planning, design, and operations analysis. The different tiers are intended to provide flexibility to the user in selecting the appropriate analysis level given available resources (e.g., time and availability of analysis inputs) and the desired breadth of analysis coverage (e.g., more locations with less detail vs. fewer locations with more detail). For example, a planning level analysis requires relatively generalized analysis inputs and is regularly used when the breadth of coverage is more important than analysis detail. For example, Caltrans uses planning level analysis for long-range planning efforts like the *US 50 Corridor System Management Plan*, which groups many freeway facilities into single analysis segments. The project level analysis in this report is based on operations analysis methods and analyzes each freeway facility separately, focusing on analysis detail instead of breadth of coverage. The operations analysis method is consistent with General Plan Policy TC-Xd and Caltrans traffic impact study guidelines.

Freeway operations were analyzed using the procedures and methodologies contained in the HCM. Table 3 describes the HCM LOS criteria for freeway mainline, freeway ramp junctions, and freeway weaving segments. For weaving segments, Caltrans District 3 prefers analysis based on the Leisch Method, which is described in the *Highway Design Manual* (Caltrans, last updated August 1, 2008). For consistency with both the El Dorado County General Plan and Caltrans preference, analysis of freeway weaving segments was conducted using both the HCM and Leisch Methods.

TABLE 3: FREEWAY FACILITY LEVEL OF SERVICE CRITERIA

Level of Service	Density (Vehicles/Mile/Lane)		
	Mainline	Ramp Junction	Weaving
A	≤ 11	≤ 10	
B	11 – 18	10 – 20	
C	18 – 26	20 – 28	
D	26 – 35	28 – 35	
E	35 – 45	> 35	
F	> 45		

Source: *Highway Capacity Manual* (Transportation Research Board, 2010)

3.2 Thresholds of Significance

In accordance with CEQA, the effects of a project are evaluated to determine if they will result in a significant adverse impact on the environment. Informed by the 2014 California Environmental Quality Act (CEQA) Statutes and Guidelines, specifically Appendix G, the following criteria have been established to determine whether or not the project would have a significant impact on transportation and circulation.

The intent of CEQA Section 15064 is for the responsible agency to establish the thresholds in the context of what their specific values are towards environmental resources or impacts. Therefore, the standards of significance in this analysis are based on the framework presented in CEQA Appendix G and the current practice of the appropriate regulatory agencies. For most areas related to transportation and circulation, policies from the *2004 El Dorado County General Plan (amended January 2009)* and the El Dorado County CDA's *Transportation Impact Study Guidelines* (El Dorado County, 2014) were used. For the freeway system, Caltrans' standards were used. Implementation of the project would have a potentially significant impact on transportation and circulation if it causes any of the following outcomes:

- Conflict with an applicable plan, ordinance or policy establishing measures of effectiveness (MOEs) for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit. The following specific MOEs, which have been generated by the regulatory agencies, are applicable to this project.
    - General Plan Circulation Policy TC-Xd provides Level of Service standards for County-maintained roads and state highways as follows[1]:
        - Level of Service (LOS) for County-maintained roads and state highways within the unincorporated areas of the county shall not be worse than LOS E in the Community Regions or LOS D in the Rural Centers and Rural Regions except as specified in Table TC-2. The volume to capacity ratio of the roadway segments listed in Table TC-2 as applicable shall not exceed the ratio specified in that table. *(Note: Two of the study roadways are presented in Table TC-2. Cambridge Road from Country Club Drive to Oxford Road is allowed a maximum volume-to-capacity (V/C) ratio of 1.07 until 2018. Cameron Park Drive from Robin Lane to Coach Lane is allowed a maximum V/C ratio of 1.11 until 2018.)*

[1] *El Dorado County Department of Transportation's Traffic Impact Study Protocols and Procedures, June 2008.*

- If a project causes the peak hour level of service or volume/capacity ratio on a county road or state highway that would otherwise meet the County standards (without the project) to exceed the LOS threshold, then the impact shall be considered significant.
- If any county road or state highway fails to meet the above listed county standards for peak hour level of service or volume/capacity ratios under Existing conditions, and the project will "significantly worsen" conditions on the road or highway, then the impact shall be considered significant. The term "significantly worsen" is defined for the purpose of the paragraph according to General Plan Policy TC-Xe as follows:
    A. A two (2) percent increase in traffic during the AM peak hour, PM peak hour or daily, OR
    B. The addition of 100 or more daily trips, OR
    C. The addition of 10 or more trips during the AM peak hour or the PM peak hour.

- Caltrans considers the following to be significant impacts:
    - Off-ramps with vehicle queues that extend into the ramp's deceleration area or onto the freeway (i.e., exceed the available storage capacity);
    - Project traffic increases that cause any ramp's merge/diverge level of service to be worse than the freeway's level of service.
    - Any additional traffic generated by the project is added to a facility already operating at LOS F[2].

- Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment).
- Result in inadequate emergency access.
- Conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities.
    - The County has published the following issues and General Plan goals as relevant to traffic impact study assessments. The project may trigger a potentially significant impact if it's in conflict with any of the following:
        - Access to Public Transit Services consistent with General Plan Circulation Element Goal TC-2: "To promote a safe and efficient transit system that provides service to

[2] The US 50 Transportation Corridor Concept Report identifies LOS F as the "Concept LOS" for US 50 from the Sacramento/El Dorado County line to Cameron Park Drive.

all residents, including senior citizens, youths, the disabled, and those without access to automobiles that also helps to reduce congestion, and improves the environment."

- Transportation System Management consistent with General Plan Circulation Element Goal TC-3: "To reduce travel demand on the County's road system and maximize the operating efficiency of transportation facilities, thereby reducing the quantity of motor vehicle emissions and the amount of investment required in new or expanded facilities."
- Non-Motorized Transportation consistent with General Plan Circulation Element Goal TC-4: "To provide a safe, continuous, and easily accessible non-motorized transportation system that facilitates the use of the viable alternative transportation modes."

- Conflict with adopted policies, plans or programs regarding the delivery of goods and services.

4. Existing Setting

4.1 Study Area

Based on coordination with the El Dorado County CDA (Long Range Planning) staff and Caltrans, the expected distribution of project trips, and review of the *El Dorado County Department of Transportation's Traffic Impact Study Protocols and Procedures,* the following study intersections, roadway segments and freeway facilities have been selected for analysis during both the AM and PM peak hours. Figure 2 identifies the study area.

The following lists both existing intersections and intersections proposed as part of the project. The applicable LOS target (LOS E for Community Regions and LOS D for Rural Regions) is identified for each study intersection.

4.1.1 Existing Intersections

1. Serrano Parkway/Bass Lake Road (LOS E)
2. Hollow Oak Drive/Bass Lake Road (LOS E)
3. Old Bass Lake Road/Bass Lake Road (LOS D)
4. Country Club Drive/Bass Lake Road (LOS D)
5. US 50 westbound ramps/Bass Lake Road (LOS D)
6. US 50 eastbound ramps/Bass Lake Road (LOS D)
7. Marble Mountain Road/Marble Valley Parkway (LOS D)
8. Marble Valley Parkway/Marble Ridge Road (LOS D)
9. Country Club Drive/Cambridge Road (LOS E)
10. Knollwood Drive/Cambridge Road (LOS E)
11. Merrychase Drive/Cambridge Road/ US 50 westbound ramps (LOS E)
12. US 50 eastbound ramps/Cambridge Road (LOS E)
13. Crazy Horse Road/Flying C Road/Cambridge Road (LOS E)
14. Flying C Road/Marble Valley Parkway (LOS E)
15. US 50 westbound ramps/El Dorado Hills Boulevard (LOS E)
16. US 50 eastbound ramps/Latrobe Road (LOS E)
17. Silva Valley Parkway/US 50 westbound Ramps (LOS E)
18. Silva Valley Parkway/US 50 eastbound Ramps (LOS E)

4.1.2 Roadways

- Bass Lake Road
- Cambridge Road
- Cameron Park Drive
- Country Club Drive
- Durock Road

4.1.3 Freeway Facilities

- US 50 Mainline (Eastbound and Westbound) – Sacramento County to Cameron Park Drive
- El Dorado Hills Boulevard Interchange
- Bass Lake Road Interchange
- Cameron Park Interchange
- Silva Valley Parkway Interchange

4.2 Roadway Network

The characteristics of the roadway system in the vicinity of the project are described below. Where applicable, the roadway designation given in the *2004 El Dorado County General Plan* is provided.

US Route 50 (US 50) is an east-west freeway located north of the project site. Generally, US 50 serves the majority of El Dorado County's major population centers and provides regional connections to the west (i.e., Sacramento) and to the east (i.e., State of Nevada). Primary access to the project from US 50 is provided via the US 50/Bass Lake Road and US 50/Cambridge Road interchanges (under Cumulative conditions). Near the project, westbound US 50 has a high-occupancy vehicle (HOV) lane and two general purpose travel lanes and eastbound US 50 has an HOV lane and three general purpose travel lanes west of Bass Lake Road and an HOV lane and two general purpose travel lanes between Bass Lake Road an Cambridge Road. The General Plan identifies US 50 as an eight lane freeway under future conditions. US 50 serves about 63,000 vehicles per day between Bass Lake Road and Cambridge Road.

Completed in 2015, construction at the US 50/El Dorado Hills Boulevard/Latrobe Road interchange improved the westbound on- and off-ramps, added 1,000 feet of auxiliary lane to westbound US 50, and provided westbound ramp metering and a dedicated HOV on-ramp lane. Future improvements are planned for this interchange as described in Section 6.1, Table 12.

Phase 1 of US 50/Silva Valley Parkway/White Rock Road interchange is west of the project area completed construction and was opened to traffic in 2016. Phase 1 (CIP Project No: 71328) is a connection to US 50 with new signalized slip on- and off-ramps westbound and a slip off-ramp and loop on-ramp eastbound. The mainline has an overcrossing for Silva Valley Parkway and includes eastbound and westbound auxiliary lanes between the US 50/El Dorado Hills Boulevard/Latrobe Road interchange and the new US 50/Silva Valley interchange. Phase 2 will construct a westbound loop on-ramp and eastbound slip on-ramp (CIP Project No: 71345). The westbound loop on-ramp will begin the addition of an auxiliary lane that will continue westbound through the El Dorado Hills Boulevard interchange and terminate at the planned US 50/Empire Ranch interchange.

The planned reconstruction of the US 50/Bass Lake Road interchange (CIP Project No: 71330 and GP148), will add a westbound auxiliary lane between the Bass Lake Road and Silva Valley Parkway interchanges.

Bass Lake Road is a two-lane roadway that generally follows at north-south alignment from north of US 50 to Green Valley Road. Marble Valley Parkway is the continuation of Bass Lake Road south of US 50 and is proposed as the primary route to the project. The County's General Plan identifies Bass Lake Road as a four lane divided road near US 50 transitioning to a four lane undivided road and eventually a two-lane road as it continues north. Bass Lake Road serves about 11,000 vehicles per day north of US 50.

Cambridge Road is a two-lane roadway that generally follows a north-south alignment from north of US 50 to Green Valley Road. Under Cumulative conditions, the project will access the US 50/ Cambridge Road interchange by way of Marble Valley Parkway with a connection to Flying C Road (north of the Cameron Estates entry gate). The County's General Plan identifies Cambridge Road as a major two lane road. Cambridge Road serves about 8,000 vehicles per day north of Country Club Drive.

Cameron Park Drive north of Palmer Drive, is a two-lane roadway to Green Valley Road. North of Green Valley Road, Cameron Park Drive continues as Starbuck Road. South of Palmer Drive, the roadway widens to four lanes with a center left-turn lane through the US 50 interchange to Coach Lane where it narrows again. Durock Road is the continuation of Cameron Park Drive south of Robin Lane. The County's General Plan identifies Cameron Park Drive as a four lane divided roadway from US 50 to Meder Road. Remaining portions are classified as a major two lane road. Cameron Park Drive serves about 20,000 vehicles per day south of Hacienda Drive.

Country Club Drive is a two-lane east-west roadway that generally runs parallel to and north of US 50. Country Club Drive provides connectivity between Bass Lake Road and Cameron Park Drive. It serves as a frontage road to US 50 and a connection between El Dorado Hills and Cameron Park communities. The County's General Plan identifies Country Club Drive as a major two lane road. Country Club Drive serves about 4,000 vehicles per day east of Bass Lake Road.

Flying "C" Road is two travel lanes south of the US 50 eastbound ramp-terminal intersection at the US 50/ Cambridge Road interchange. The project will access the US 50 / Cambridge Road interchange by way of Marble Valley Parkway with a connection to Flying C Road (north of the Cameron Estates entry gate). The County's General Plan does not specifically identify Flying "C" Road on the Circulation Map. Flying C Road serves about 500 vehicles per day.

El Dorado Hills Boulevard is a north-south roadway that continues as Salmon Falls Road on the north and Latrobe Road on the south. The roadway is four lanes with a center median between Park Drive and Governor Drive. Between US 50 and Park Drive, the roadway section widens to three lanes northbound to accommodate vehicle demand near the US 50 interchange. The County's General Plan identifies El Dorado Hills Boulevard as a four lane divided road except near US 50 where the designation changes to a six lane divided road. El Dorado Hills Boulevard serves about 22,000 vehicles per day north of Wilson Boulevard.

Latrobe Road is a north-south roadway and is the continuation of El Dorado Hills Boulevard south of US 50. Latrobe Road is six lanes near the US 50 interchange, narrows to four lanes south of White Rock Road and eventually narrows to two lanes as it continues south to connect with State Route 16 in Amador County. The General Plan identifies Latrobe Road as a six lane divided roadway near the US 50 interchange transitioning to a four lane divided road, then a two lane major road and eventually a two lane regional

road serving the southwest portion of the County. Latrobe Road serves about 30,000 vehicles per day north of White Rock Road.

Marble Mountain Road is a relatively short two-lane roadway that serves rural residential properties south of US 50. The roadway is west of the project area but intersects Marble Valley Parkway near the US 50/Bass Lake Road interchange. The County's General Plan does not specifically identify Marble Mountain Road on the Circulation Map. Marble Mountain Road serves less than 200 vehicles per day.

Marble Valley Parkway is a two-lane roadway just south of US 50. The road terminates approximately 500 feet south of the US 50/Bass Lake Road interchange. Marble Valley Parkway is the continuation of Bass Lake Road south of US 50 and is the primary route to the proposed project. The County's General Plan does not specifically identify Marble Valley Parkway on the Circulation Map. Marble Valley Parkway serves less than 200 vehicles per day.

Serrano Parkway primarily serves residential land uses west of Bass Lake Road. The roadway provides one lane in each direction with a landscaped median west of Bass Lake Road. A new traffic signal is being installed at the Bass Lake Road/Silva Valley Parkway intersection as part of improvement to add the east leg to the intersection. The General Plan identifies this segment of Serrano Parkway as a major two lane road. Serrano Parkway serves about 5,000 vehicles per day west of Bass Lake Road.

Silva Valley Parkway is a north-south roadway that generally runs parallel to El Dorado Hills Boulevard north of US 50. Silva Valley Parkway ranges from two lanes to four lanes with a center median within the study area. The General Plan identifies Silva Valley Parkway as a four lane divided road. A new US 50 interchange at Silva Valley/White Rock Road is open to traffic and is included in the Existing and the Cumulative conditions analysis. The interchange project provides a realigned Silva Valley Parkway that connects to the existing four-lane Silva Valley Parkway to the north and the existing two-lane White Rock Road on the south. A new signalized intersection has been installed where the new Silva Valley Parkway intersects old White Rock Road on the south. Silva Valley Parkway serves about 10,300 vehicles per day north of US 50.

White Rock Road is the continuation of Silva Valley Parkway south of US 50. White Rock Road is predominately a two or three lane roadway until west of Latrobe Road where the cross section widens to four lanes. White Rock Road was recently widened east of Latrobe Road to Monte Verde Drive to accommodate four lanes, sidewalks and Class II bicycle lanes. The US 50/Silva Valley Parkway/White Rock Road interchange modified the roadway alignment and introduced a new signalized intersection at the intersection of White Rock Road/existing Silva Valley Parkway/new Silva Valley Parkway. White Rock Road serves about 10,600 vehicles per day south of US 50.

4.3 Existing Conditions Peak Hour Traffic Volumes

Intersection, roadway segment, and freeway counts were collected to determine the existing traffic operations of study facilities. Weather conditions were generally dry and local schools were in full session, during the traffic count data collection.

For study intersections, AM peak period (7 AM to 9 AM) and PM peak period (4 PM to 6 PM) intersection turning movement counts were collected in May 2012, January 2013, and December 2016 (i.e., to capture conditions with the opening of the US 50/Silva Valley Parkway Interchange). For study roadways, 24-hour traffic counts were collected in May 2012. At commencement of this study, construction was ongoing at the US 50/El Dorado Hills Boulevard interchange. Field observations conducted during the AM and PM peak periods identified extensive vehicle queuing near the US 50/El Dorado Hills Boulevard interchange, with the longest queues southbound during the AM peak hour and northbound during the PM peak hour. However, all queued vehicles were served during the peak hour, so the traffic counts are representative of peak hour travel demand. As discussed in Section 3.1.1, the Latrobe Road/White Rock Road, Latrobe Road/Town Center Boulevard, US 50 EB Ramps/El Dorado Hills Boulevard, US 50 WB Ramps/El Dorado Hills Boulevard, and the Saratoga Way/Park Drive/El Dorado Hills Boulevard intersections where analyzed using SimTraffic micro-simulation with a common analysis hour (a requirement for accurate simulation analysis).

Each of the other study intersection's peak hours within the peak period was used for the analysis. For the majority of study intersections, the counts indicate that the AM peak hour is between 7:15 AM and 8:15 AM and the PM peak hour is between 5:00 PM and 6:00 PM. Figure 3 provides peak hour traffic volumes, lane configurations and traffic controls at each of the study intersections. Following is a list of both existing intersections and intersections proposed as part of the project.

Roadway segment traffic counts were collected for 20 roadway segments on Bass Lake Road, Cambridge Road, Cameron Park Drive, Country Club Drive, and Durock Road.

For US 50, directional traffic counts were collected during the AM peak period (6 AM to 9 AM) and PM peak period (3 PM to 6 PM) and included vehicle classification (i.e., automobiles and trucks) and vehicles using the high occupancy vehicle (HOV) lanes. The freeway traffic counts were conducted midweek (i.e., Tuesday, Wednesday, and Thursday) in August 2013. The August 2013 traffic counts were verified for reasonableness by comparing to traffic data from Caltrans' Performance Measurement System (PeMS) and the Transportation Systems Network (TSN) data. PeMS data is collected continuously from traffic counts detectors located in the travel lanes of freeway facilities (HOV, general purpose, and on- and off-ramps). The TSN data includes an estimate of peak hour traffic based on seven day traffic counts. Figure 4 provides

peak hour traffic volumes and lane configurations on US 50. Based on the August 2013 counts, heavy vehicles (i.e., trucks) represented one- and two-percent of westbound traffic during the morning and evening peak hours, respectively. In the eastbound direction, heavy vehicles represented four- and one-percent of traffic during the morning and evening peak hours, respectively. These peak hour heavy vehicle percentages are lower than rates based on daily traffic volumes, since heavy vehicles avoid peak hour conditions.

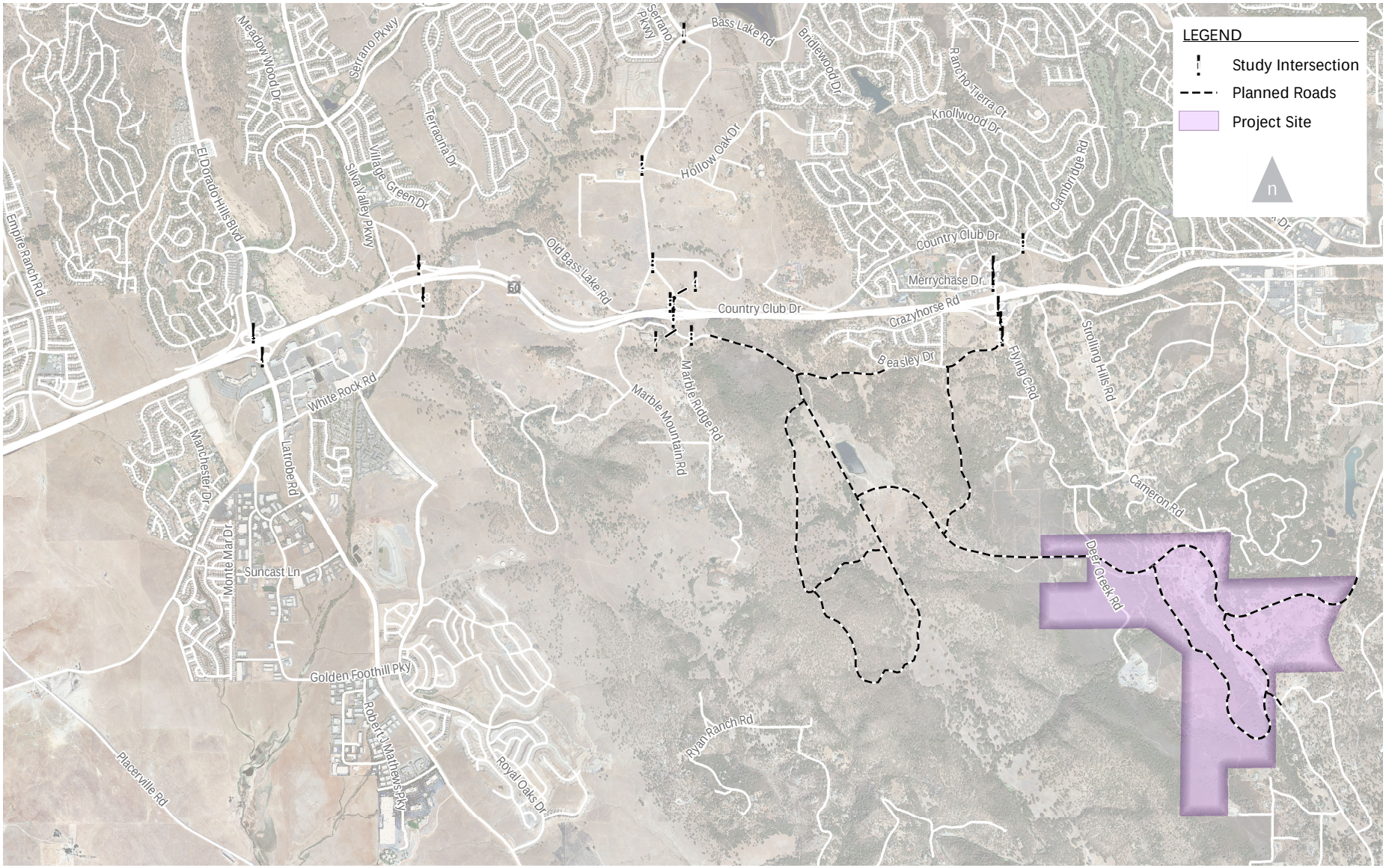
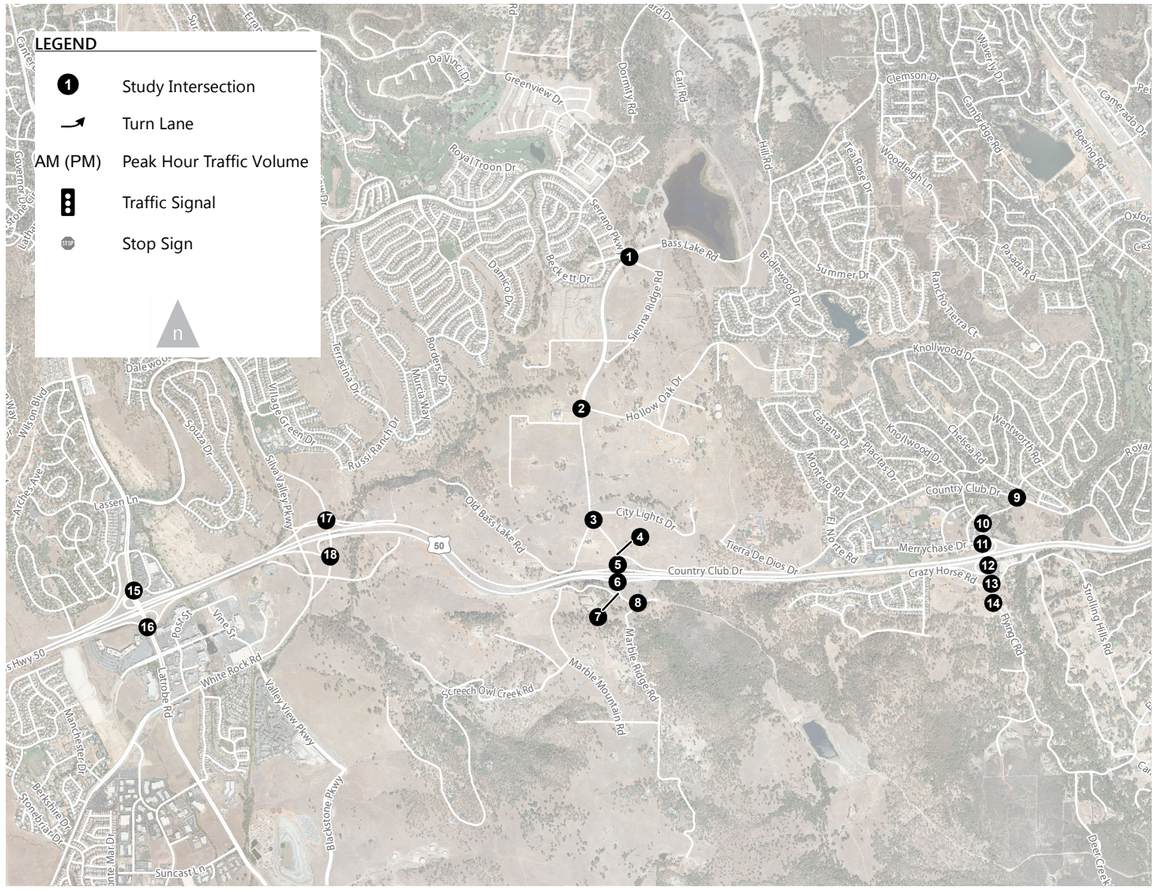


Figure 2

Study Area

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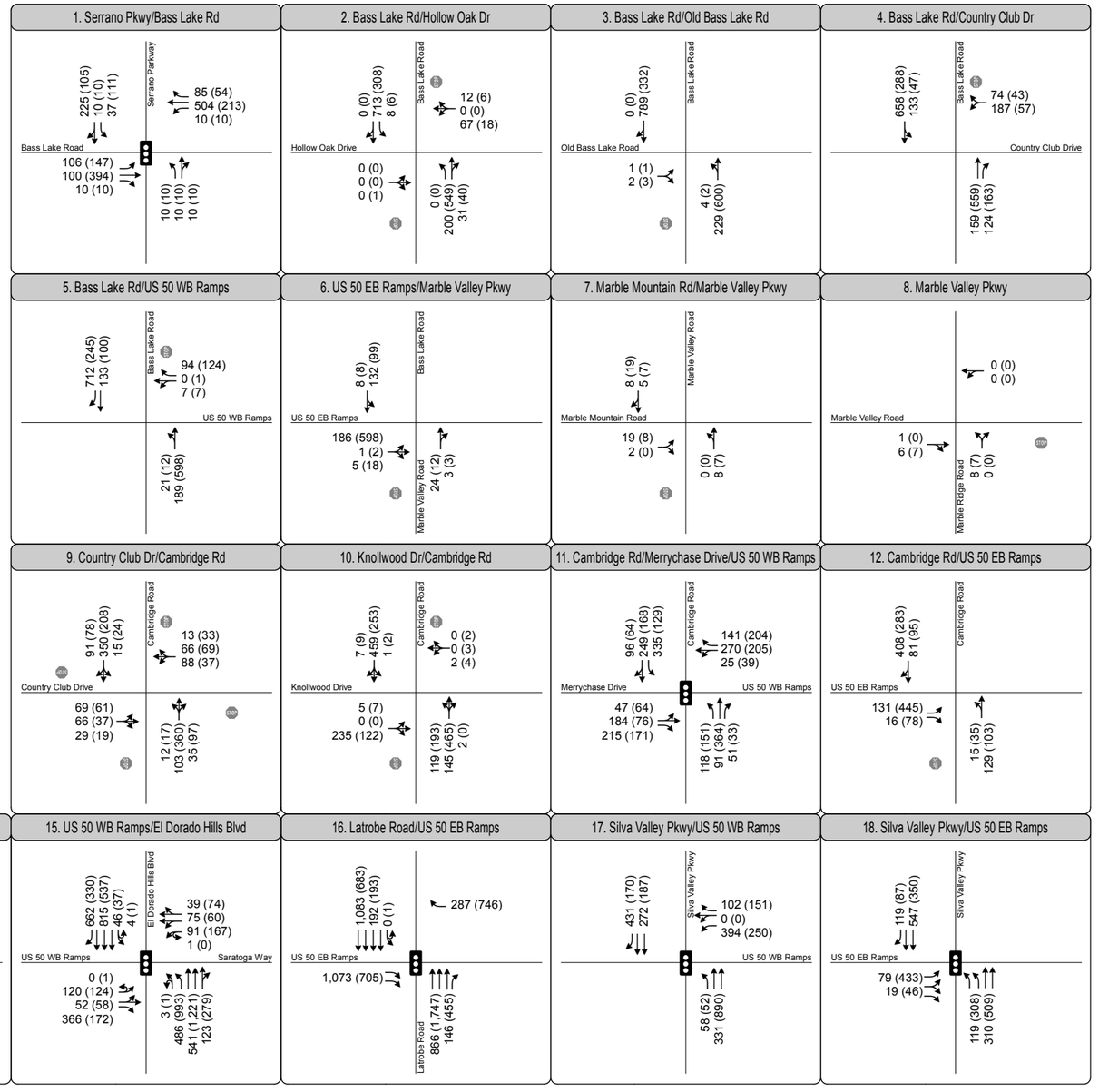


Figure 3

Peak Hour Traffic Volumes and Lane Configurations - Existing Conditions

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Figure 4

Freeway Mainline and Ramp Peak Hour Traffic Volumes - Existing Conditions

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4.4 Existing Conditions Peak Hour Vehicle Level of Service

4.4.1 Intersections

Table 4 summarizes Existing conditions AM and PM peak hour Level of Service (LOS) for the study intersections. The LOS of a facility is a qualitative measure used to describe operating conditions. LOS ranges from A (best), which represents short delays, to LOS F (worst), which represents long delays and a facility that is operating at or near its functional capacity.

As described in Section 2.2, an intersection that is operating at LOS D or better in a Rural Region or LOS E or better in a Community Region is considered to operate at an acceptable level. The following three study intersections currently operate at LOS F:

- Bass Lake Road/Country Club Drive – LOS F during the AM peak hour
- Bass Lake Road/US 50 eastbound Ramps – LOS F during the PM peak hour
- Cambridge Drive/Knollwood Drive – LOS F during the AM peak hour

All three intersections have side-street stop control.

TABLE 4: PEAK HOUR LEVEL OF SERVICE - EXISTING CONDITIONS (INTERSECTIONS)

Intersection	LOS Target	Traffic Control	LOS / Delay (Seconds)	
			AM Peak Hour	PM Peak Hour
1. Bass Lake Road/Serrano Parkway	E	Signal	C / 20	B / 18
2. Bass Lake Road/Hollow Oak Drive	E	SSSC	C / 20	B / 14
3. Bass Lake Road/Old Bass Lake Road	D	SSSC	C / 20	B / 12
4. Bass Lake Road/Country Club Drive	D	SSSC	**F / >180**	C / 22
5. Bass Lake Road/US WB 50 Ramps	D	SSSC	B / 11	C / 16
6. Bass Lake Road/US EB 50 Ramps	D	SSSC	C / 20	**F / 58**
7. Marble Valley Parkway/ Marble Mountain Road	D	SSSC	A / 9	A / 9
8. Marble Valley Parkway/ Marble Ridge Road	D	SSSC	A / 9	A / 9
9. Cambridge Road/Country Club Drive	E	AWSC	E / 39	C / 18
10. Cambridge Road/Knollwood Drive	E	SSSC	**F / 82**	E / 41
11. Cambridge Road/Merrychase Drive/US 50 WB Ramps	E	Signal	D / 54	C / 28
12. Cambridge Road/US 50 EB Ramps	E	SSSC	B / 14	E / 45
13. Cambridge Road/Flying C Road/Crazy Horse Road	E	SSSC	B / 12	B / 11
14. Flying C Road/Marble Valley Parkway	E	SSSC	A / 0	A / 0
15. El Dorado Hills Boulevard/US 50 WB Ramps	E	Signal	C / 31	C / 33
16. Latrobe Road/US 50 EB Ramps	E	Signal	C / 33	C / 20
17. Silva Valley Parkway/US 50 WB Ramps	E	Signal	B / 11	A / 10
18. Silva Valley Parkway/US 50 EB Ramps	E	Signal	B / 10	B / 13

Note: SSSC = side-street stop-control, AWSC = all-way stop control
Bold text indicates LOS worse than established threshold.
The average delay is measured in seconds per vehicle. For signalized and AWSC intersections, the delay shown is the average control delay for the overall intersection. For SSSC intersections, the LOS and control delay for the worst movement is shown.
Intersection LOS and delay is calculated based on the procedures and methodology contained in the *Highway Capacity Manual* (Transportation Research Board, 2000 & 2010). Intersections 1-14, 17, and 18 are analyzed in Synchro. Intersections 15 and 16 are analyzed in SimTraffic.
Source: Fehr & Peers, 2017

Detailed LOS analysis sheets are contained in Appendix A. See Section 3.1 and Table 1 for a definition of LOS as it relates to intersection delay.

4.4.2 Roadway Segments

Table 5 summarizes Existing conditions AM and PM peak hour LOS for the study roadways. All study area roadway segments operate acceptably, with most operating at LOS C or better.

Detailed LOS analysis sheets are contained in Appendix A. See Section 3.1 and Table 2 for a definition of LOS as it relates to roadway segments.

TABLE 5: PEAK HOUR LEVEL OF SERVICE - EXISTING CONDITIONS (ROADWAY SEGMENTS)

Roadway	Segment	Facility Type	Volume / Volume – Capacity (V/C) Ratio / LOS	
			AM Peak Hour	PM Peak Hour
Bass Lake Rd	Green Valley Rd to Bridlewood Dr	2 lane arterial	503 / 0.30 / C[1]	486 / 0.29 / C[1]
	Bridlewood Dr to Serrano Pkwy	2 lane arterial	726 / 0.44 / C[1]	772 / 0.47 / C[1]
	Serrano Pkwy to Hollow Oak Dr	2 lane arterial	933 / 0.57 / D	869 / 0.53 / D
	Hollow Oak Dr to Country Club Dr	2 lane arterial	1,023 / 0.62 / D	928 / 0.56 / D
	Country Club Dr to US 50	2 lane arterial	1,128 / 0.68 / D	1,067 / 0.65 / D
Cambridge Rd	Green Valley Rd to Oxford Rd	2 lane arterial	381 / 0.23 / C[1]	394 / 0.24 / C[1]
	Oxford Rd to Knollwood Dr	2 lane arterial	641 / 0.39 / C[1]	764 / 0.46 / C[1]
	Knollwood Dr to Country Club Dr	2 lane arterial	617 / 0.37 / C[1]	738 / 0.45 / C[1]
	Country Club Dr to US 50	2 lane arterial	959 / 0.58 / D	993 / 0.60 / D
Cameron Park Dr	Green Valley Rd to Alhambra Dr	2 lane arterial	654 / 0.40 / C[1]	793 / 0.48 / C[1]
	Alhambra Dr to Oxford Rd	2 lane arterial	1,211 / 0.73 / D	1,434 / 0.87 / D
	Oxford Rd to Hacienda Dr	2 lane arterial	1,080 / 0.65 / D	1,612 / 0.98 / E
	Hacienda Dr to US 50	4 lane undivided arterial	1,084 / 0.35 / C[1]	1,636 / 0.52 / C[1]
Country Club Dr	Bass Lake Rd to Merrychase Dr	2 lane arterial	518 / 0.31 / C[1]	310 / 0.19 / C[1]
	Merrychase Dr to Knollwood Dr	2 lane arterial	481 / 0.29 / C[1]	300 / 0.18 / C[1]
	Knollwood Dr to Cambridge Rd	2 lane arterial	338 / 0.20 / C[1]	281 / 0.17 / C[1]
	Cambridge Rd to Royal Dr	2 lane arterial	283 / 0.17 / C[1]	297 / 0.18 / C[1]
	Royal Dr to Cameron Park Dr	2 lane arterial	215 / 0.13 / C[1]	362 / 0.22 / C[1]
Durock Rd	US 50 to Business Dr	2 lane arterial	319 / 0.19 / C[1]	556 / 0.34 / C[1]
	Business Dr to S. Shingle Rd	2 lane arterial	322 / 0.20 / C[1]	547 / 0.33 / C[1]
Shingle Lime Mine Rd	South of Durock Rd	2 lane arterial	32 / 0.02 / C[1]	41 / 0.02 / C[1]
Amber Fields Dr	North of S. Shingle Rd	2 lane arterial	39 / 0.02 / C[1]	77 / 0.05 / C[1]
S. Shingle Rd	US 50 to Amber Fields Dr	2 lane arterial	423 / 0.26 / C[1]	453 / 0.27 / C[1]
	Amber Fields Dr to Latrobe Rd	2 lane arterial	103 / 0.06 / C[1]	65 / 0.04 / C[1]

Notes: [1]LOS at this location is C or better
Volume-to-Capacity ratio and LOS is based on the *Highway Capacity Manual* (Transportation Research Board, 2010) peak hour level of service thresholds.
Source: Fehr & Peers, 2017

4.4.3 Freeway Facilities

Freeway facilities in the County are under the jurisdiction of the California Department of Transportation (Caltrans). In recent years, US 50 and interchanges within or proximate to the study area have undergone or are undergoing various improvements to increase capacity and improve traffic operations. These recently completed improvements include: extension of High Occupancy Vehicle (HOV) lanes east to Cameron Park Drive, modifications to the US 50/El Dorado Hills Boulevard/Latrobe Road interchange westbound ramps, and the construction of the US 50/Silva Valley Parkway/White Rock Road interchange.

Table 6 summarizes Existing peak hour freeway operations. All of the study facilities currently operate acceptably. A secondary performance measure, average speed, was used to verify the results shown in Table 6 that are based on the primary performance measure of density. Average midweek (i.e., Tuesday, Wednesday, and Thursday non-holiday) speed data was collected from the Caltrans Performance Measurement System (PeMS) for the period from October 2013 through September 2014. The speed data was collected for general purpose lanes (i.e., not the HOV lane) on eastbound and westbound US 50 near the El Dorado/Sacramento county line. As a secondary performance measure, the PeMS speed data is consistent with and confirms the LOS results shows in Table 6 for the segments of US 50 at the county line. The PeMS data identifies average speeds of 60 and 59 miles per hour on eastbound and westbound US 50, respectively, during peak hours. Detailed LOS analysis sheets are contained in Appendix A. See Section 3.1 and Table 3 for a definition of LOS as it relates to freeway facilities.

TABLE 6: PEAK HOUR LEVEL OF SERVICE – EXISTING CONDITIONS (FREEWAY FACILITIES)

Freeway Facility	Segment	Facility Type	Existing Density[1] / LOS	
			AM	PM
US 50 EB	Latrobe Rd off-ramp	Diverge	22 / C	30 / D
	El Dorado Hills Blvd off-ramp	Diverge	14 / B	26 / C
	Latrobe Rd on-ramp to Silva Valley Pkwy off-ramp	Weave (HCM)	10 / A	23 / C
		Basic	7 / A	15 / B
	Silva Valley Pkwy on-ramp (loop)	Merge	11 / B	21 / C
	Silva Valley Pkwy on-ramp to Bass Lake Rd off-ramp	Basic	11 / A	20 / C
	Bass Lake Rd off-ramp	Diverge	15 / B	25 / C
	Bass Lake Rd on-ramp	Merge	16 / B	27 / C
	Bass Lake Rd on-ramp to Cambridge Rd off-ramp	Basic	14 / B	25 / C
	Cambridge Rd off-ramp	Diverge	18 / B	30 / D
	Cambridge Rd on-ramp	Merge	19 / B	26 / C
US 50 WB	Cambridge Rd off-ramp	Diverge	28 / C	23 / C
	Cambridge Rd on-ramp to Bass Lake Rd off-ramp	Merge	20 / B	13 / B

TABLE 6: PEAK HOUR LEVEL OF SERVICE – EXISTING CONDITIONS (FREEWAY FACILITIES)

Freeway Facility	Segment	Facility Type	Existing Density[1] / LOS	
			AM	PM
	Cambridge Rd on-ramp to Bass Lake Rd off-ramp	Basic	23 / C	17 / B
	Bass Lake Rd off-ramp	Diverge	29 / D	21 / C
	Bass Lake Rd on-ramp	Merge	32 / D	21 / C
	Bass Lake Rd on-ramp to lane add	Basic	29 / D	17 / B
	Lane add to Silva Valley Pkwy off-ramp	Basic	19 / C	12 / B
	Silva Valley Pkwy off-ramp	Diverge	13 / B	5 / A
	Silva Valley Pkwy on-ramp to El Dorado Hills Blvd off-ramp	Weave (HCM)	34 / D	18 / B
		Basic	19 / C	11 / A
	El Dorado Hills Blvd on-ramp	Merge	34 / D	24 / C

Notes: [1]Density reported as passenger cars per mile per lane. Density is not reported for LOS F operations. Analysis based on *Highway Capacity Manual* (Transportation Research Board, 2010).
[2]Out of realm of weaving of Leisch analysis; analyzed as a basic segment
Source: Fehr & Peers, 2017

4.5 Pedestrian Circulation

Attached or landscape-separated detached sidewalks are provided intermittently throughout the project study area. Given the primarily rural residential nature of El Dorado Hills and Cameron Park, it is not necessarily the desire to provide sidewalks in all areas. That said, some of the following major roadway facilities lack sidewalks and result in pedestrian network gaps:

- Both sides of Bass Lake Road from US 50 to Hollow Oak Drive; however, this area currently serves only a few large residential parcels with no services within walking distance.
- Both sides of Country Club Drive west of Trinidad Drive; however, there are limited land uses that would benefit from sidewalks near the street.
- Sidewalk is also missing on the south side of Country Club Drive between Merrychase Drive and opposite Placitas Drive (Cameron Park Library driveway). This segment is adjacent to Blue Oak Elementary/Charter Montessori School and Camerado Springs Middle School.
- Country Club Drive lacks sidewalk from approximately 300 feet east of Placitas Drive to 200 west of Cameron Park Drive.
- Cambridge Road and Flying "C" Road (south of US 50) lack sidewalk except for the east side near the US 50 interchange.

Most study intersections are unsignalized without physical pedestrian features such as curb ramps and marked crosswalks. The three signalized study intersections do provide controlled pedestrian crossings or

are otherwise restricted. As described in Section 4.6 below, Class I bicycle paths double as pedestrian facilities. For example, the Class I path along the east side of Bass Lake Road between Hollow Oak Drive and Serrano Parkway provide redundant pedestrian facilities to the detached sidewalk on the west side.

4.6 Bicycle Circulation

Existing and proposed bicycle facilities within the study area are displayed in Figure 5. Bicycle facilities can be classified into three categories.

- Class I Bicycle Path– Off-street bike paths within exclusive right-of-way; usually shared with pedestrians
- Class II Bicycle Lane – Striped on-road bike lanes adjacent to the outside travel lane on preferred corridors for biking
- Class III Bicycle Route– Shared on-road facility, usually delineated by signage and pavement markings

According to the *El Dorado Bicycle Transportation Plan – 2010 Update*, mapping information provided by the County, and field observations, the following major bikeway facilities are present within the study area:

- Class II bicycle lanes on Serrano Parkway, White Rock Road, Latrobe Road and portions of Silva Valley Parkway, Country Club and El Dorado Hills Drive
- Class I bicycle path, Bass Lake Road (Hollow Oak Drive to Serrano Parkway), New York Creek Nature Trail, which is adjacent to El Dorado Hills Drive on the east side between Serrano Parkway to St Andrews Drive

Figure 5 identifies existing and planned bikeways presented in the *El Dorado Bicycle Transportation Plan, 2010 Update* and the *Sacramento Area Council of Governments (SACOG) Metropolitan Transportation Plan/Sustainable Communities Strategy (MTP/SCS).*

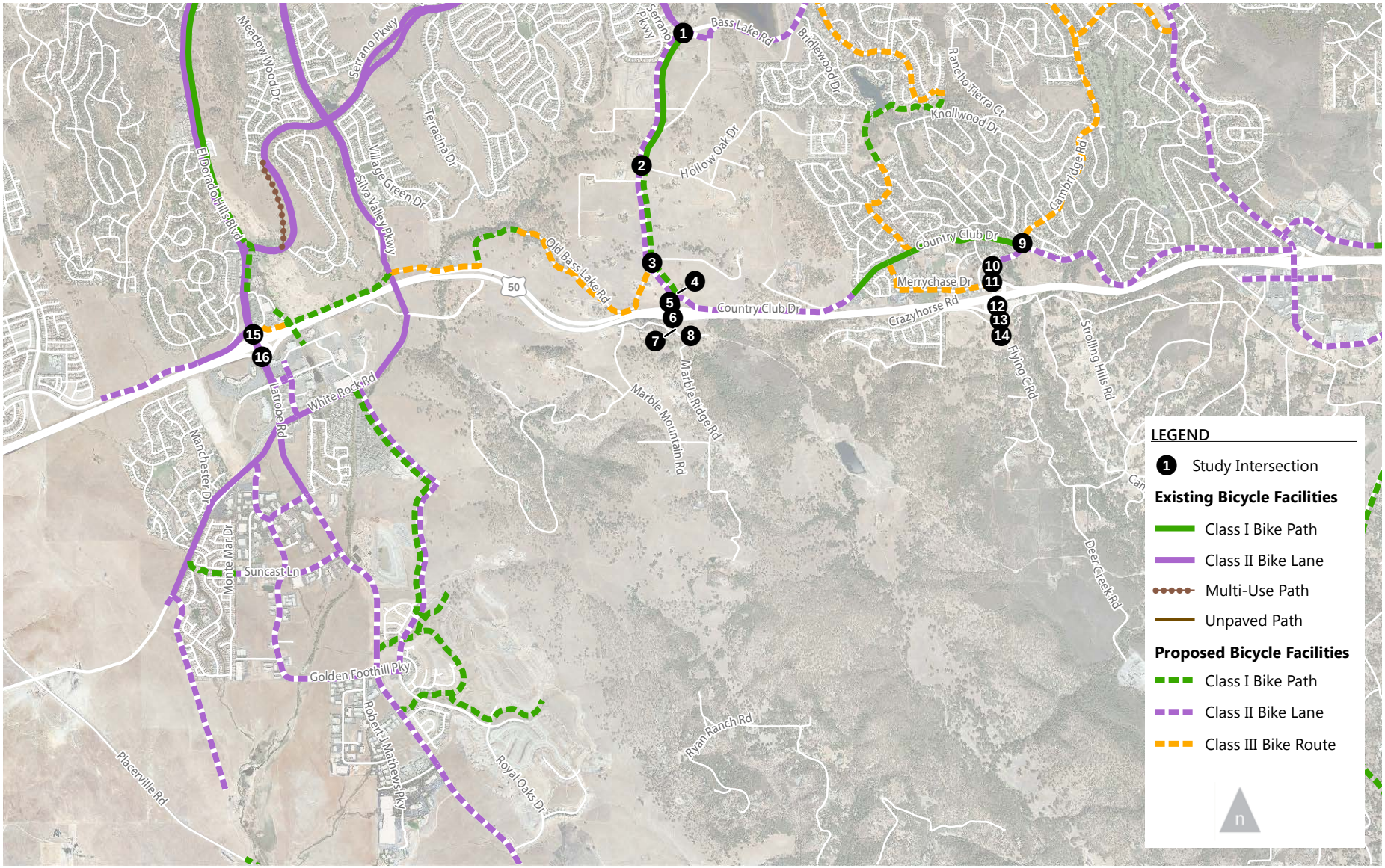


Figure 5.

Bicycle Facilities

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4.7 Transit

El Dorado County Transit Authority (El Dorado Transit) provides public transit service within the project area. El Dorado Hills is currently served by El Dorado Transit Dial-A-Ride services, Commuter Service, and the Iron Point Connector Route. Both the Commuter Service and the Iron Point Connector Route serve only the El Dorado Hills Park-and-Ride Lot and do not circulate within the community.

In May 2013, The EDCTC completed the *El Dorado Hills Community Transit Needs Assessment and US 50 Corridor Operations Plan* (Plan), which explores how the recent growth and projected development impact the need for transit services, and identifies the most appropriate type and level of service needed given the demand. All three services are addressed in the Plan and are described briefly below.

- **Dial-A-Ride** service is a demand response service designed for seniors and disabled passengers, with limited access available for the general public. The service is available on a first-come, first-serve basis Monday through Friday between the hours of 7:30 AM and 5:00 PM, and between 8:00 AM and 5:00 PM on Saturdays and Sundays. El Dorado Hills is one of twelve geographic zone service areas.
- **Commuter Service** is offered Monday through Friday between El Dorado County and downtown Sacramento. Morning departures from El Dorado County locations are scheduled from 5:10 AM to 8:00 AM, and afternoon eastbound departures from Sacramento occur from 2:40 PM to 6:00 PM. A reverse commuting service is offered. The El Dorado Hills Park-and-Ride located in Town Center at the White Rock Road/Post Street intersection is the nearest stop location for the project. According to the Plan, nearly half of commute passengers boarded at the El Dorado Hills Park-and-Ride in the mornings, which makes this location the highest boarding stop offered as part of the Commuter Service.
- **Iron Point Connector (IPC) Route** provides direct service from El Dorado County to Folsom with connections to Sacramento Regional Transit light rail on weekdays. This route runs twice in the morning and twice in the afternoon from the Central Transit Center to the Iron Point Light Rail Station in Folsom. The El Dorado Hills Park-and-Ride located in Town Center at the White Rock Road/Post Street intersection is the nearest stop location for the project.
- **Cameron Park Route** is a fixed-route service, which begins at the Missouri Flat Transfer Center in Placerville, serves the Folsom Lake College/El Dorado Center, then continues to Cameron Park. After serving Cameron Park in a clockwise direction, the route serves the Cambridge Park-and-Ride and returns via Country Club Drive. The Cameron Park Route operates four runs daily and

one morning express run with limited stops. Deviations are not permitted on the express run. Monthly ridership was 3,000 passengers for fiscal year 2011-2012.[3]

The El Dorado Hills Park-and-Ride lot provides 120 parking spaces. The Plan reports that parking demand exceeds supply. Specifically, Table 19 of the Plan reports 108-percent parking utilization in 2005 for the El Dorado Park-and-Ride based on Sacramento Area Council of Governments and Caltrans data. Similarly, the Cambridge Road Park-and-Ride lot was reported to have 142-percent parking utilization in 2005; however, this lot was expanded in size in 2006.

The Plan also describes other transit providers that serve western El Dorado County, including the Senior Shuttle Program which has recently initiated service in El Dorado Hills.

[3] Ridership data derived from El Dorado Transit Administrative Operations Reports, August-December 2010; Summary report January-June, 2011 presented in the El Dorado Hills Community Transit Needs Assessment and US 50 Corridor Operations Plan, May 2013.

5. Existing Plus Project Conditions

5.1 Trip Generation

Based on information contained in the Notice of Preparation and subsequent correspondence with County staff and the applicant, Fehr & Peers prepared trip generation estimates for the project based on methodologies and trip rates presented in Trip Generation, 9th Edition (Institute of Transportation Engineers, 2012). Table 7 summarizes project land use, assumed trip rates, and calculated trip generation totals.

The entire project is projected to generate about 7,616 daily vehicle trips, 600 AM peak hour vehicle trips and 800 PM peak hour vehicle trips.

TABLE 7: TRIP GENERATION - LIME ROCK VALLEY

Land Use	Quantity	ITE Code	Trip Rate			Trips						
			Daily	AM	PM	Daily	AM			PM		
							In	Out	Total	In	Out	Total
Single Family Detached Housing (Dwelling Units)	800	210	9.52	0.75	1.00	7,616	150	450	600	504	296	800

Source: *Trip Generation, 9th Edition* (Institute of Transportation Engineers).

5.2 Trip Distribution and Assignment

The expected distribution of project trips is shown on Figure 6. The distribution was developed using the following sources and analytical techniques:

- Existing travel patterns based on the existing traffic counts
- Traffic assignment using the validated base year El Dorado County travel demand forecasting model
- Project access and internal circulation

As shown on Figure 6, the largest share of project trips (72 percent) will use US 50 to/from the west in the morning and evening with 16 percent traveling on US 50 to/from the east. Travel to/from the north on Bass Lake Road is 5 percent. Figure 7 shows only project trips based on the trip distribution shown on Figure 6. The resulting AM and PM peak hour traffic volumes under Existing Plus Project conditions are presented on Figure 8.

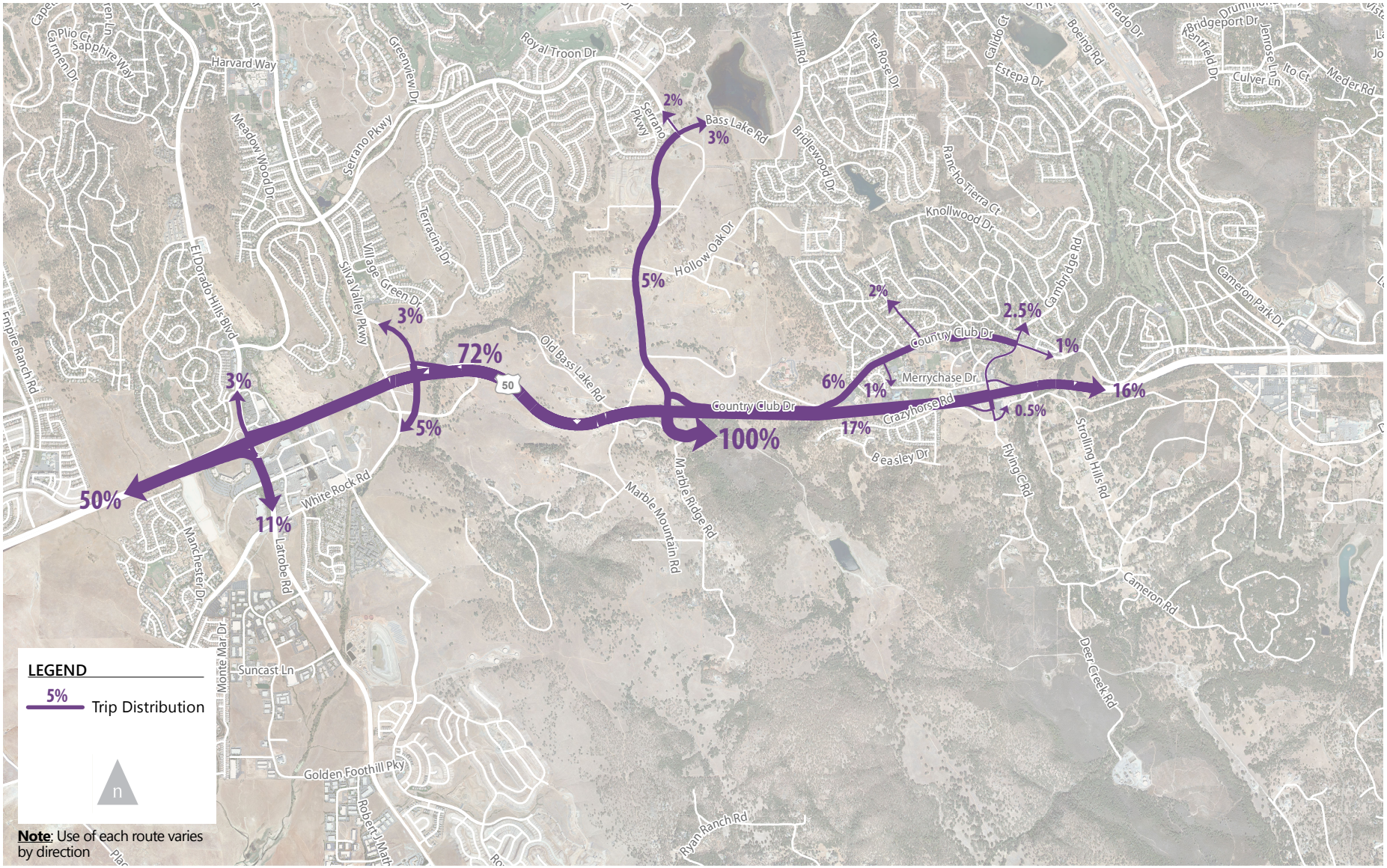
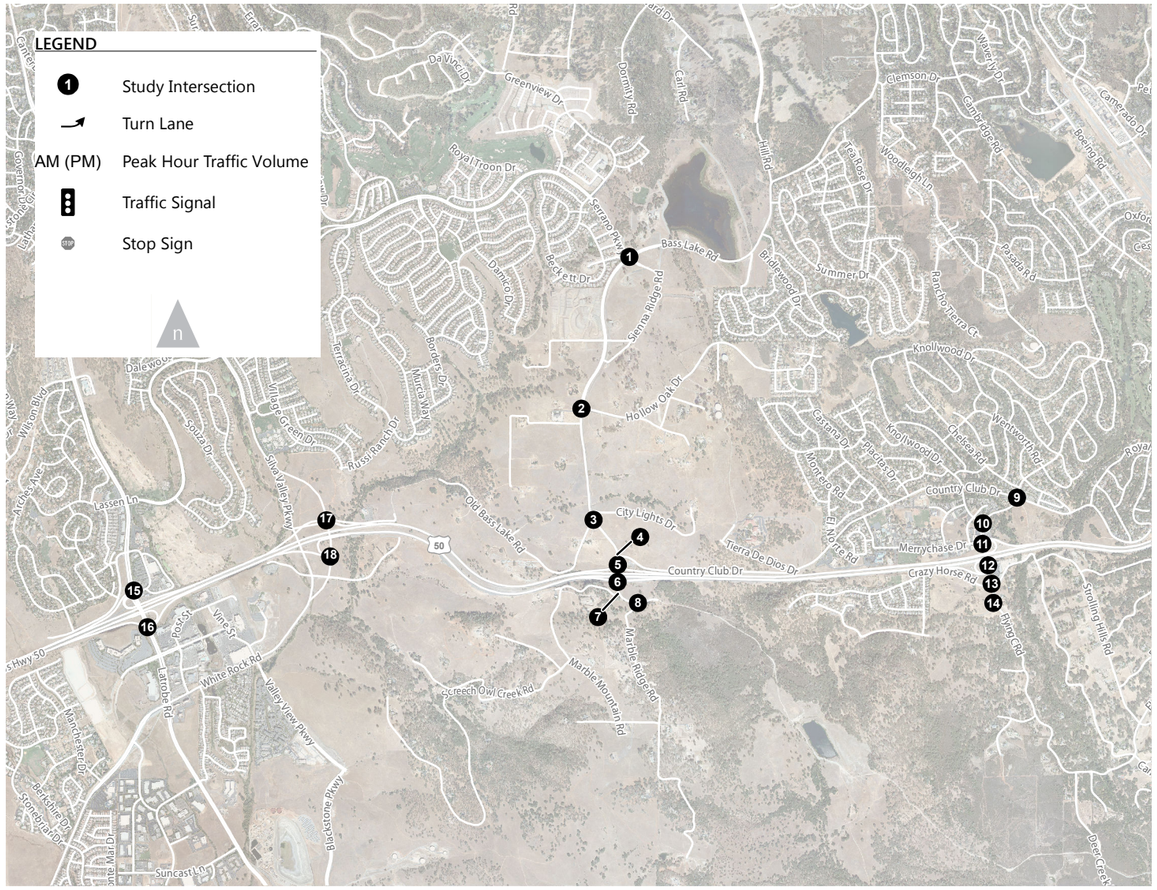


Figure 6

Lime Rock Trip Distribution

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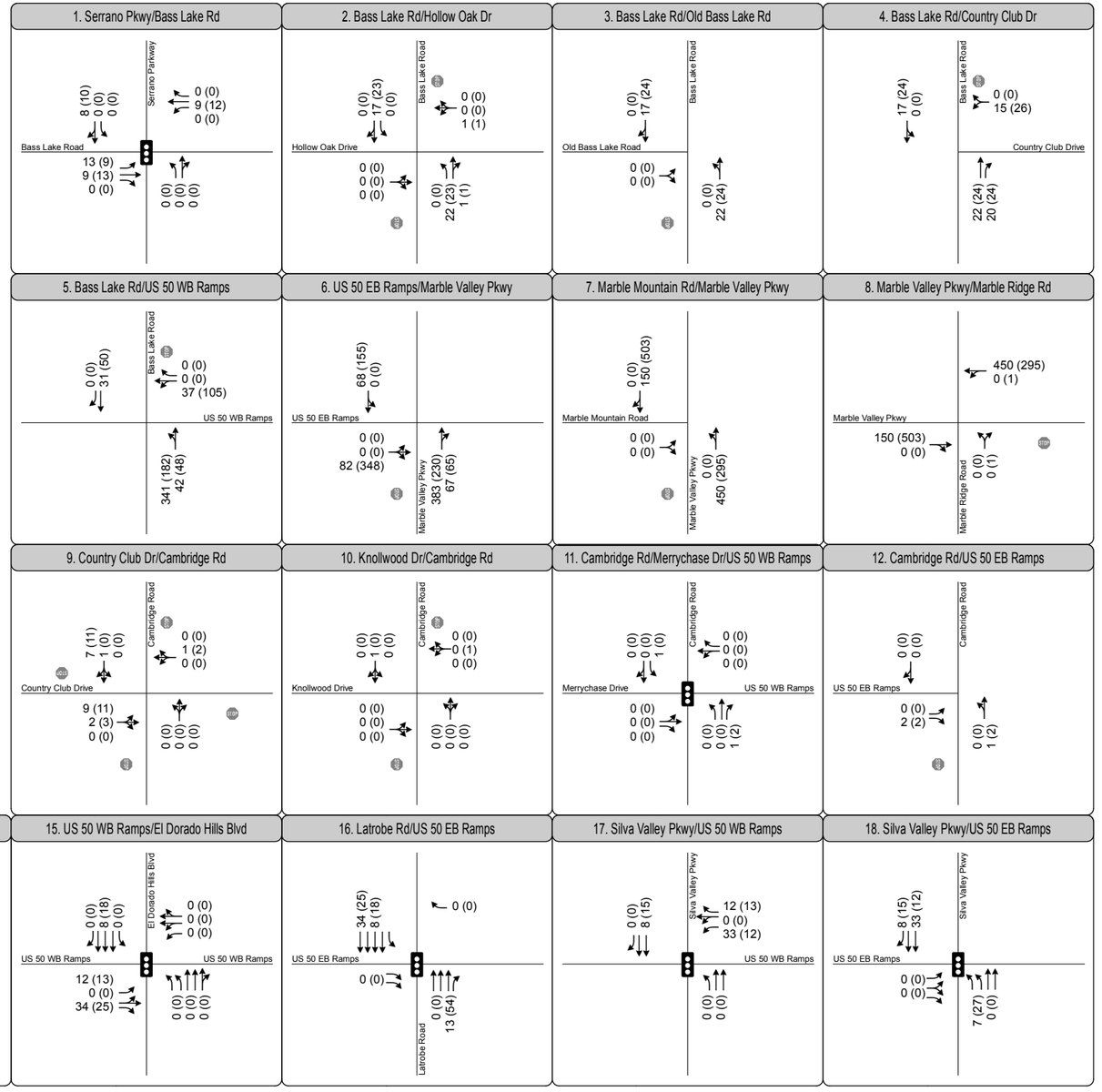
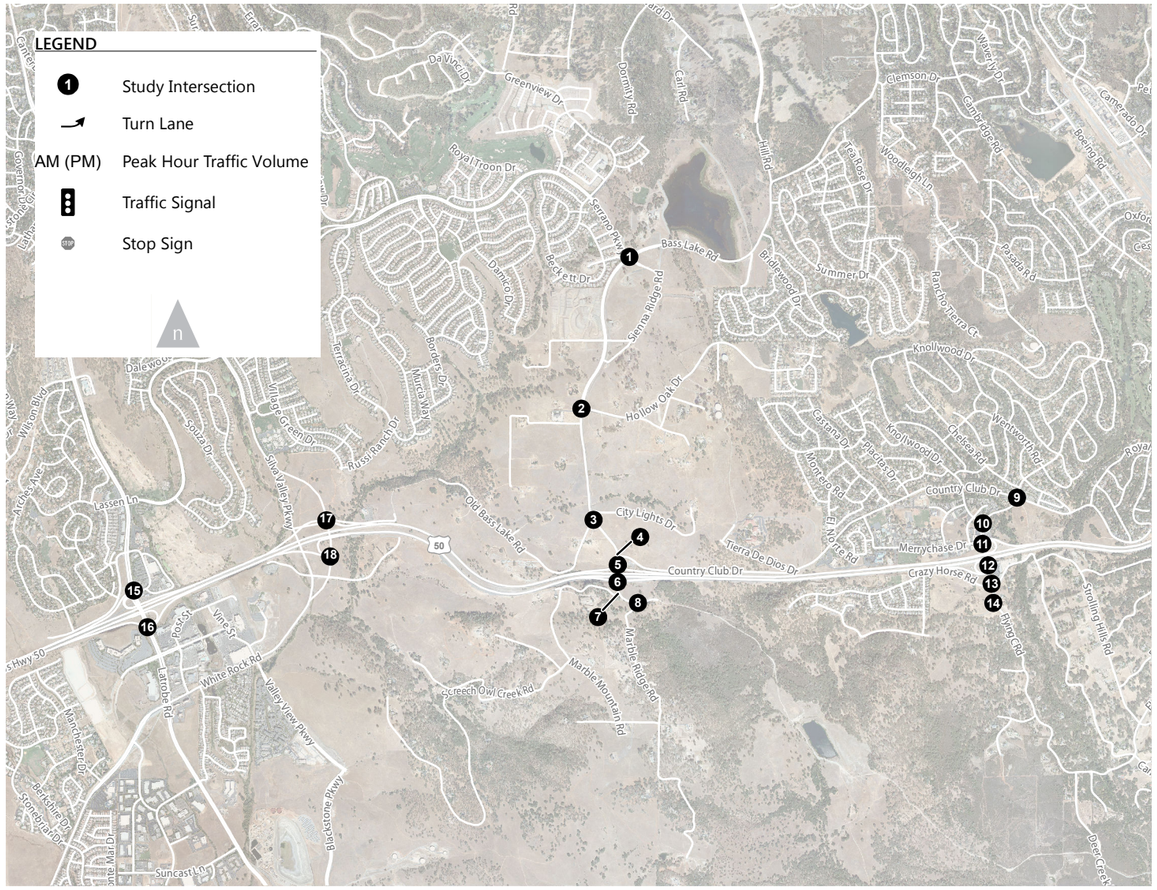


Figure 7

Peak Hour Traffic Volumes and Lane Configurations - Project Only Trips

FEHR PEERS



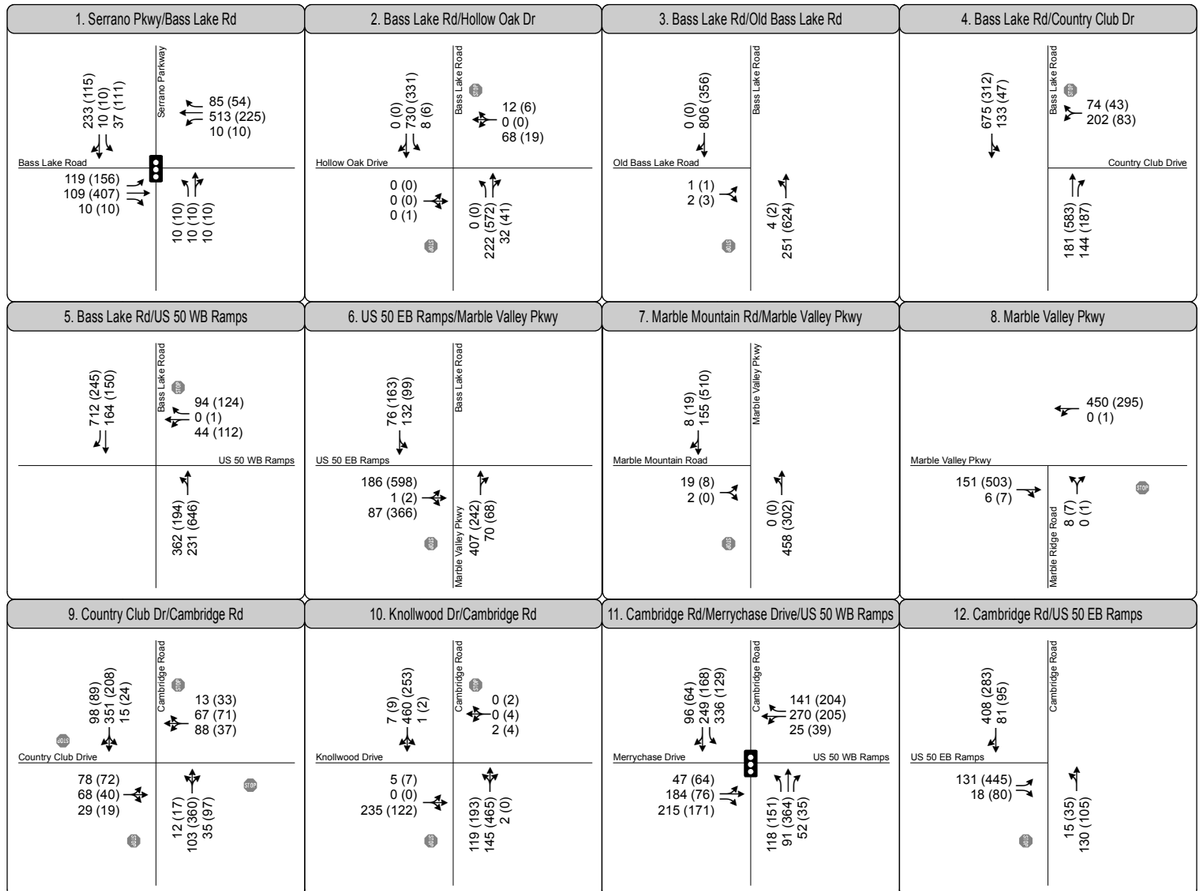


Figure 8

Peak Hour Traffic Volumes and Lane Configurations - Existing Plus Project Conditions

FEHR PEERS

5.3 Peak Hour Vehicle Level of Service

5.3.1 Intersections

Analysis results, which are presented in Table 8, indicate that increased traffic from build-out of the proposed project added to Existing conditions will result in unacceptable LOS F operations at one intersection and will significantly worsen operations at two intersections that operate unacceptably at LOS F without the project.

- Bass Lake Road/Country Club Drive (Intersection 4) – This intersection is located in the County's Rural Region and is subject to the LOS D significance threshold. This intersection currently operates unacceptably at LOS F without the project during the AM peak hour. According to established significance criteria, the addition of the project is projected to "significantly worsen" conditions, since it would add more than 10 trips to the intersection during the AM peak hour.
- Bass Lake Road/US 50 westbound ramps (Intersection 5) – This intersection is located in the County's Rural Region and is subject to the LOS D significance threshold. This intersection currently operates acceptably at LOS B and C without the project during the AM and PM peak hours, respectively. The addition of the project results in unacceptable LOS F conditions during the AM and PM peak hours.
- Bass Lake Road/US 50 eastbound ramps (Intersection 6) – This intersection is located in the County's Rural Region and is subject to the LOS D significance threshold. This intersection currently operates unacceptably at LOS F without the project during the PM peak hour. According to established significance criteria, the project is projected to "significantly worsen" conditions, since it would add more than 10 trips to the intersection during the PM peak hour. The addition of the project would also result in unacceptable LOS F conditions during the AM hour.
- Cambridge Road/Knollwood Drive (Intersection 10) – This intersection is subject to the County's LOS E threshold. This intersection currently operates unacceptably at LOS F without the project during the AM peak hour. According to established significance criteria, the addition of the project would **not** "significantly worsen" conditions, since it would add less than 10 trips to the intersection during the AM peak hour.

TABLE 8: PEAK HOUR LEVEL OF SERVICE - EXISTING PLUS PROJECT CONDITIONS (INTERSECTIONS)

Intersections	LOS Target	Control	Existing (LOS / Delay)		Existing Plus Project (LOS / Delay)	
			AM	PM	AM	PM
1. Bass Lake Road/Serrano Parkway	E	Signal	C / 20	B / 18	C / 21	B / 18
2. Bass Lake Road/Hollow Oak Drive	E	SSSC	C / 20	B / 14	C / 20	B / 14

TABLE 8: PEAK HOUR LEVEL OF SERVICE - EXISTING PLUS PROJECT CONDITIONS (INTERSECTIONS)

Intersections	LOS Target	Control	Existing (LOS / Delay)		Existing Plus Project (LOS / Delay)	
			AM	PM	AM	PM
3. Bass Lake Road/Old Bass Lake Road	D	SSSC	C / 20	B / 12	C / 21	B / 13
4. Bass Lake Road/Country Club Drive	D	SSSC	**F / >180**	C / 22	***F / > 180***	D / 29
5. Bass Lake Road/US WB 50 Ramps	D	SSSC	B / 11	C / 16	***F / 58***	***F / > 180***
6. Bass Lake Road/US EB 50 Ramps	D	SSSC	C / 20	**F / 58**	***F / > 180***	***F / > 180***
7. Marble Valley Road/ Marble Mountain Road	D	SSSC	A / 9	A / 9	D / 32	D / 27
8. Marble Valley Parkway/ Marble Ridge Road	D	SSSC	A / 9	A / 9	C / 17	C / 23
9. Cambridge Road/Country Club Drive	E	AWSC	E / 39	C / 18	E / 43	C / 20
10. Cambridge Road/Knollwood Drive	E	SSSC	**F / 82**	E / 41	***F / 83***	E / 41
11. Cambridge Road/Merrychase Drive/US 50 WB Ramps	E	Signal	D / 54	C / 28	D / 54	C / 28
12. Cambridge Road/US 50 EB Ramps	E	SSSC	B / 14	E / 45	B / 14	E / 46
13. Cambridge Road/Flying C Road/Crazy Horse Road	E	SSSC	B / 12	B / 11	B / 12	B / 12
14. Flying C Road/Deer Creek Road	E	SSSC	A / 0	A / 0	A / 0	A / 0
15. El Dorado Hills Boulevard/US 50 WB Ramps	E	Signal	C / 31	C / 33	C / 31	C / 32
16. Latrobe Road/US 50 EB Ramps	E	Signal	C / 33	C / 20	C / 29	C / 22
17. Silva Valley Parkway/US 50 WB Ramps	E	Signal	B / 11	A / 10	B / 11	A / 10
18. Silva Valley Parkway/US 50 EB Ramps	E	Signal	B / 10	B / 13	B / 11	B / 13

Note: SSSC = side-street stop-control, AWSC = all-way stop control
Bold text indicated LOS worse than established threshold. *Italic* and underlined text identified a potential impact.
The average delay is measured in seconds per vehicle. For signalized and AWSC intersections, the delay shown is the average control delay for the overall intersection. For Roundabout and SSSC intersections, the LOS and control delay for the worst movement is shown.
Intersection LOS and delay is calculated based on the procedures and methodology contained in the *Highway Capacity Manual* (Transportation Research Board, 2010).
Intersections 1-14, 17, and 18 are analyzed in Synchro. Intersections 15 and16 are analyzed in SimTraffic.
Source: Fehr & Peers, 2017

5.3.2 Roadway Segments

Analysis results, which are presented in Table 9, indicate that all study roadway segments will operate acceptably. Traffic generated by the project is not anticipated to result in roadway segment impacts according to established significance criteria.

TABLE 9: PEAK HOUR LEVEL OF SERVICE - EXISTING PLUS PROJECT CONDITIONS (ROADWAY)

Roadway	Segment	Facility Type	Existing Volume – Capacity (V/C) Ratio / LOS		Existing Plus Project Volume – Capacity (V/C) Ratio / LOS	
			AM	PM	AM	PM
Bass Lake Rd	Green Valley Rd to Bridlewood Dr	2 lane arterial	503 / 0.30 / C[1]	486 / 0.29 / C[1]	520 / 0.32 / C[1]	510 / 0.31 / C[1]
	Bridlewood Dr to Serrano Pkwy	2 lane arterial	726 / 0.44 / C[1]	772 / 0.47 / C[1]	730 / 0.44 / C[1]	790 / 0.48 / C[1]
	Serrano Pkwy to Hollow Oak Dr	2 lane arterial	933 / 0.57 / D	869 / 0.53 / D	970 / 0.59 / D	915 / 0.55 / D
	Hollow Oak Dr to Country Club Dr	2 lane arterial	1,023 / 0.62 / D	928 / 0.56 / D	1,070 / 0.65 / D	980 / 0.59 / D
	Country Club Dr to US 50	2 lane arterial	1,128 / 0.68 / D	1,067 / 0.65 / D	1,200 / 0.73 / D	1,170 / 0.71 / D
Cambridge Rd	Green Valley Rd to Oxford Rd	2 lane arterial	381 / 0.23 / C[1]	394 / 0.24 / C[1]	385 / 0.23 / C[1]	400 / 0.24 / C[1]
	Oxford Rd to Knollwood Dr[2]	2 lane arterial	641 / 0.39 / C[1]	764 / 0.46 / C[1]	650 / 0.39 / C[1]	770 / 0.47 / C[1]
	Knollwood Dr to Country Club Dr[2]	2 lane arterial	617 / 0.37 / C[1]	738 / 0.45 / C[1]	625 / 0.38 / C[1]	750 / 0.45 / C[1]
	Country Club Dr to US 50	2 lane arterial	959 / 0.58 / D	993 / 0.60 / D	960 / 0.58 / D	995 / 0.60 / D
Cameron Park Dr	Green Valley Rd to Alhambra Dr	2 lane arterial	654 / 0.40 / C[1]	793 / 0.48 / C[1]	655 / 0.40 / C[1]	795 / 0.48 / C[1]
	Alhambra Dr to Oxford Rd	2 lane arterial	1,211 / 0.73 / D	1,434 / 0.87 / D	1,215 / 0.74 / D	1,440 / 0.87 / D
	Oxford Rd to Hacienda Dr	2 lane arterial	1,080 / 0.65 / D	1,612 / 0.98 / E	1,080 / 0.65 / D	1,615 / 0.98 / E
	Hacienda Dr to US 50	4 lane undivided arterial	1,084 / 0.35 / C[1]	1,636 / 0.52 / C[1]	1,090 / 0.35 / C[1]	1,640 / 0.52 / C[1]
Country Club Dr	Bass Lake Rd to Merrychase Dr	2 lane arterial	518 / 0.31 / C[1]	310 / 0.19 / C[1]	540 / 0.33 / C[1]	330 / 0.20 / C[1]
	Merrychase Dr to Knollwood Dr	2 lane arterial	481 / 0.29 / C[1]	300 / 0.18 / C[1]	500 / 0.30 / C[1]	320 / 0.19 / C[1]
	Knollwood Dr to Cambridge Rd	2 lane arterial	338 / 0.20 / C[1]	281 / 0.17 / C[1]	350 / 0.21 / C[1]	300 / 0.18 / C[1]
	Cambridge Rd to Royal Dr	2 lane arterial	283 / 0.17 / C[1]	297 / 0.18 / C[1]	285 / 0.17 / C[1]	300 / 0.18 / C[1]
	Royal Dr to Cameron Park Dr	2 lane arterial	215 / 0.13 / C[1]	362 / 0.22 / C[1]	220 / 0.13 / C[1]	365 / 0.22 / C[1]
Durock Rd	US 50 to Business Dr[3]	2 lane arterial	319 / 0.19 / C[1]	556 / 0.34 / C[1]	320 / 0.19 / C[1]	560 / 0.34 / C[1]
	Business Dr to S. Shingle Rd	2 lane arterial	322 / 0.20 / C[1]	547 / 0.33 / C[1]	325 / 0.20 / C[1]	550 / 0.33 / C[1]
Shingle Lime Mine Rd	South of Durock Rd	2 lane arterial	32 / 0.02 / C[1]	41 / 0.02 / C[1]	35 / 0.02 / C[1]	45 / 0.03 / C[1]
Amber Fields Dr	North of S. Shingle Rd	2 lane arterial	39 / 0.02 / C[1]	77 / 0.05 / C[1]	40 / 0.02 / C[1]	80 / 0.05 / C[1]

TABLE 9: PEAK HOUR LEVEL OF SERVICE - EXISTING PLUS PROJECT CONDITIONS (ROADWAY)

Roadway	Segment	Facility Type	Existing Volume – Capacity (V/C) Ratio / LOS		Existing Plus Project Volume – Capacity (V/C) Ratio / LOS	
			AM	PM	AM	PM
S. Shingle Rd	US 50 to Amber Fields Dr	2 lane arterial	423 / 0.26 / C[1]	453 / 0.27 / C[1]	425 / 0.26 / C[1]	455 / 0.28 / C[1]
	Amber Fields Dr to Latrobe Rd	2 lane arterial	103 / 0.06 / C[1]	65 / 0.04 / C[1]	105 / 0.06 / C[1]	70 / 0.04 / C[1]

Notes: Volume-to-Capacity ratio and LOS is based on the *Highway Capacity Manual* (Transportation Research Board, 2010) peak hour level of service thresholds.
[1]LOS at this location is C or better.
[2]Cambridge Road between Country Club Drive and Oxford Road is allowed to operate at LOS F (maximum V/C/ ratio of 1.07) until 2018 per County standard.
[3]Durock Road/Cameron Park Drive between Coach Lane and Robin Lane is allowed to operate at LOS F (maximum V/C ratio of 1.11) until 2018 per County standard.
Source: Fehr & Peers, 2017

5.3.3 Freeway Facilities

Analysis results, which are presented in Table 10, indicate that all but one study freeway facilities will operate acceptably. Traffic generated by the project will result in LOS F conditions at the westbound on-ramp from El Dorado Hills Boulevard.

TABLE 10: PEAK HOUR LEVEL OF SERVICE - EXISTING PLUS PROJECT (FREEWAY FACILITIES)

Freeway	Segment	Facility Type	Existing Density[1] / LOS		Existing Plus Project Density[1] / LOS	
			AM	PM	AM	PM
US 50 EB	Latrobe Rd off-ramp	Diverge	22 / C	30 / D	22 / C	31 / D
	El Dorado Hills Blvd off-ramp	Diverge	14 / B	26 / C	14 / B	27 / C
	Latrobe Rd on-ramp to Silva Valley Pkwy off-ramp	Weave (HCM)	10 / A	23 / C	10 / B	26 / C
		Weave (Leisch)	-[2]	-[2]	-[2]	- / C
		Basic	7 / A	15 / B	7 / A	16 / C
	Silva Valley Pkwy on-ramp	Merge	11 / B	21 / C	12 / B	22 / C
	Silva Valley Pkwy on-ramp to Bass Lake Rd off-ramp	Basic	11 / A	20 / C	11 / B	21 / C
	Bass Lake Rd off-ramp	Diverge	15 / B	25 / C	16 / B	27 / C
	Bass Lake Rd on-ramp	Merge	16 / B	27 / C	17 / B	28 / C
	Bass Lake Rd on-ramp to Cambridge Rd off-ramp	Basic	14 / B	25 / C	15 / B	25 / D
	Cambridge Rd off-ramp	Diverge	18 / B	30 / D	19 / B	31 / D
	Cambridge Rd on-ramp	Merge	19 / B	26 / C	19 / B	26 / D
US 50 WB	Cambridge Rd off-ramp	Diverge	28 / C	23 / C	28 / D	24 / C
	Cambridge Rd on-ramp	Merge	20 / B	13 / B	20 / C	14 / B
	Cambridge Rd on-ramp to Bass Lake Rd off-ramp	Basic	23 / C	17 / B	24 / C	17 / B
	Bass Lake Rd off-ramp	Diverge	29 / D	21 / C	29 / D	22 / C
	Bass Lake Rd on-ramp	Merge	32 / D	21 / C	34 / D	22 / C
	Bass Lake Rd on-ramp to lane add	Basic	29 / D	17 / B	33 / D	19 / C
	Lane add to Silva Valley Pkwy off-ramp	Basic	19 / C	12 / B	20 / C	13 / B
	Silva Valley Pkwy off-ramp	Diverge	13 / B	5 / A	14 / B	6 / A
		Weave (HCM)	34 / D	18 / B	38 / E	20 / B

TABLE 10: PEAK HOUR LEVEL OF SERVICE - EXISTING PLUS PROJECT (FREEWAY FACILITIES)

Freeway	Segment	Facility Type	Existing Density[1] / LOS		Existing Plus Project Density[1] / LOS	
			AM	PM	AM	PM
	Silva Valley Pkwy on-ramp to El Dorado Hills Blvd off-ramp	Weave (Leisch)	-[2]	-[2]	- / D	-[2]
		Basic	19 / C	11 / A	20 / C	12 / B
	El Dorado Hills Blvd on-ramp	Merge	34 / D	24 / C	***- / F***	25 / C

Notes: [1]Density reported as passenger cars per mile per lane. Density is not reported for LOS F operations. Analysis based on *Highway Capacity Manual* (Transportation Research Board, 2010).
[2]Out of realm of weaving for Leisch or HCM analysis; analyzed as a basic segment
Bold text indicates LOS worse than established threshold. *Italic* and underlined text identifies a potential impact.
Source: Fehr & Peers, 2017

5.4 Pedestrian Circulation

The project proposes pedestrian facilities by implementing a comprehensive network of pedestrian trails and pathways to provide connectivity among land uses for non-motorized transportation and public recreational enjoyment. Lime Rock Valley is bordered on the east by the Sacramento-Placerville Transportation Corridor, which is home to the El Dorado Trail. A comprehensive network of pedestrian trails and pathways throughout the property will connect the El Dorado Trail to the regional park and will link with the trail system in and through the neighboring Village of Marble Valley. The proposed trails are designed as a combination of paved Class I multi-use paths in developed areas and unpaved gravel or dirt trails.

5.5 Bicycle Circulation

The project proposes bicycle facilities by implementing Class I multi-use paths and Class II bicycle lanes along the major transportation corridors, particularly in the northern portion of the project. Less formal trails are proposed to traverse the preserved open space areas. Pathways will lead to the proposed Foundation Regional Park in the southern portion of the community and a Class I bike path will connect through the proposed Lime Rock Valley Specific Plan to the El Dorado Trail.

5.6 Transit

No transit enhancements are proposed as part of the project. However, as described above, the project will provide bicycle and pedestrian connections to existing and planned bicycle and pedestrian facilities. Based on ridership data presented in the *El Dorado Hills Community Transit Needs Assessment and US 50 Corridor Transit Operations Plan,* 41,760 annual commute trips are made by El Dorado Hills residents using El Dorado Transit Commuter Service. Residents of El Dorado Hills account for about 72 percent of boardings at the El Dorado Hills Park-n-Ride lot, which includes riders that park in the lot and riders that use other means to access the service (i.e., walk, bike, and drop-off).

Based on this information, about one annual commute trip is generated per El Dorado Hills resident, assuming a population of 42,100 (2010 Census) in El Dorado Hills. Therefore, the project's 800 dwelling units could result in demand of about 2,100 annual commute trips (assuming a household population of 2.93 persons, based on 2010 Census), or about 9 commute trips per workday.

6. Cumulative Conditions

6.1 Travel Demand Forecasts

For this project, the El Dorado County model was utilized to develop forecasts in the study area. The El Dorado County model has a base year of 2010 and a forecast year of 2035 (Version EDC_CAT_03_2014) with an updated forecast year based on a 75/25 growth allocation scenario, which projects a growth to be 75 percent in Community Regions and urban areas and 25 percent in Rural Regions. However, as is standard practice with large area travel demand models, a thorough model review was completed and the model was refined to ensure that it produced reasonable results in the study area.

The following refinements were implemented in the study area:

- Added roadway network detail
- Updated land use to reflect 2012 conditions
- Refined the traffic analysis zones (TAZs) in order to get more refined loading of trips in the study area
- Updated network attributes in the study area to reflect Existing conditions (e.g. verified roadway network speeds, number of lanes on the roadway, and roadway capacities to reflect Existing conditions)
- Updated the future year roadway network in the study area to only reflect the SACOG Metropolitan Transportation Plan (MTP) constrained roadway network, which is consistent with the County's Capital Improvement Program (CIP)
- Updated the future land use information to reflect approved and reasonably foreseeable projects in the study area
- Added peak hour assignment functionality

Specific information related to the model's performance is described below.

6.1.1 Base Year Model Validation

Before any model can be applied for use in a major specific plan application, it must first satisfy specific validation criteria identified by Caltrans, the Federal Highways Administration (FHWA), and the California Transportation Commission (CTC). These criteria were developed to ensure that a model is developed such that it can accurately forecast Existing conditions based on land use and roadway network information, which improves the model's ability to accurately forecast future conditions. The state-of-the-practice for

developing defensible forecasts for changes in the roadway network and/or changes in proposed land use is to use a valid base year model.

The first step of any model validation is to ensure that the model generally produces similar results to existing counts. Please note that, since the model is being used to generate AM peak hour and PM peak hour forecasts, the model must be valid at our study facilities for both time periods.

Key metrics for model validation guidelines are described below:

- The volume-to-count ratio is computed by dividing the volume assigned by the model and the actual traffic count for individual roadways (or intersections). The volume-to-count ratio should be less than 10%.
- The deviation is the difference between the model volume and the actual count divided by the actual count. Caltrans provides guidance on the maximum allowable deviation by facility type (e.g. lower-volume roadways can have a higher deviation than higher-volume roadways). 75% of the study facilities should be within the maximum allowable deviation.
- The correlation coefficient estimates the correlation between the actual traffic counts and the estimated traffic volumes from the model. The correlation coefficient should be greater than 0.88.
- The percent Root Mean Square Error (RMSE) is the square root of the model volume minus the actual count squared divided by the number of counts. It is a measure similar to standard deviation in that it assesses the accuracy of the entire model. The RMSE should be less than 40%.

The model validation statistics are summarized in Table 11. As shown in Table 11, the model meets or exceeds the identified model validation statistics in the study area. As such, the model is deemed appropriate for use in this assessment.

TABLE 11: TRAVEL DEMAND FORECASTING SUB AREA VALIDATION

Metric	Model Validation	Maximum Allowable Deviation
AM Peak Hour – 114 Count Locations		
Model/Count Ratio	1.04	between 0.90 and 1.10
Percent within Caltrans Maximum Deviation	85%	> 75%
Percent Root Mean Square Error	24%	< 40%
Correlation Coefficient	0.98	> 0.88
PM Peak Hour – 114 Count Locations		
Model/Count Ratio	1.06	between 0.90 and 1.10
Percent within Caltrans Maximum Deviation	86%	> 75%
Percent Root Mean Square Error	21%	< 40%
Correlation Coefficient	0.98	> 0.88

Source: Fehr & Peers, 2017

6.1.2 Future (Year 2035) Modeling Assumptions

All modifications incorporated into the validated Base Year model were incorporated into the future year (2035) travel demand forecasting model. Additionally, as previously mentioned, the model was also updated to include only roadway improvements consistent with the SACOG's MTP and the County's 2016 CIP.

Table 12 describes capacity-enhancing improvements to roadway facilities in the project study area that are planned to occur prior to year 2035 and are included in the Cumulative analysis. This information is primarily based on El Dorado County's CIP (Section 8.1 – West Slope Road/Bridge Individual Project Summaries) and SACOG's MTP/SCS (Appendix A1: MTP/SCS Project List). All relevant projects with the El Dorado County Department of Transportation as the lead agency are identified in Table 12. The validated El Dorado County model was used to develop AM and PM peak hour forecasts for the following scenarios:

- Cumulative No Project – Corresponds to a 2035 No Project Cumulative horizon that accounts for planned roadway improvements, land use growth consistent with the 2004 General Plan, and with approved and reasonably foreseeable projects in the study area, including the following:
    - Bass Lake Hills Specific Plan
    - Cameron Estates
    - Carson Creek Specific Plan
    - Dixon Ranch
    - Central El Dorado Hills Specific Plan
    - Marble Valley Specific Plan
    - Promontory

- Rancho Dorado
- Ridgeview
- San Stino Residential Project
- Serrano
- Tilden Park
- Valley View Specific Plan
- John Adams Academy
- Montano de El Dorado Shopping Center

- Cumulative Plus Proposed Project – Includes similar assumptions to the Cumulative No Project scenario, but incorporates buildout of the Proposed Project and associated roadway network.

For each scenario listed above, roadway segment and intersection turning movement volumes were pulled directly from the scenario-specific models and adjusted. Consistent with state-of-the-practice travel demand forecasting practice, model error was corrected using the methodologies identified in the National Cooperative Highway Research Program Report 255 (Transportation Research Board, 1982) using the "difference method," which adds the forecasted growth in traffic volume to existing roadway segment and intersection counts.

Figure 9 and Figure 10 present AM and PM peak hour traffic volume forecasts for Cumulative conditions without and with the proposed project, respectively.

TABLE 12: CAPACITY-ENHANCING ROADWAY IMPROVEMENTS (ASSUMED COMPLETED BY 2035)

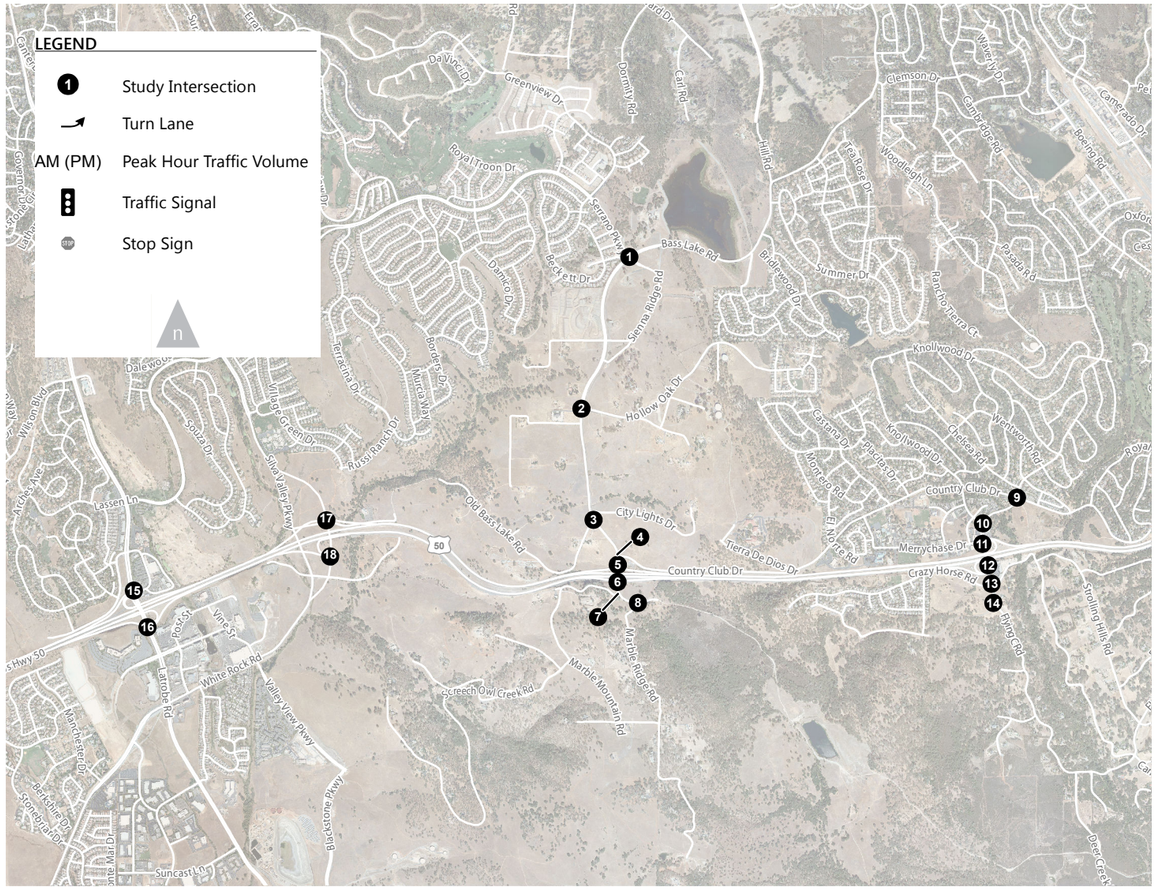
Project Name	Project Description	Estimated Completion
Country Club Drive – El Dorado Hills Boulevard to Silva Valley Parkway	Construct new 2-lane road of Country Club Drive from El Dorado Hills Blvd. to Silva Valley Pkwy. Work includes curb, gutter, and sidewalk on both sides of the roadway. CIP#72377	By 2035
Country Club Drive – Silva Valley Parkway to Tong Road	Construct new 2-lane road of Country Club Drive from Silva Valley Parkway to Tong Road. Work includes curb, gutter, and sidewalk on both sides of the roadway. CIP#71362	By 2027
Country Club Drive Extension – Tong Road to Bass Lake Road	Construct 2-lane extension of Country Club Drive from Tong Road to Bass Lake Road, with 8-foot paved shoulder, curb and gutter, and new intersection at Bass Lake Road. CIP#71361	By 2035
Country Club Drive Realignment - Bass Lake Road to Tierra De Dios Drive	Realign Country Club Drive from Bass Lake Road/Old Bass Lake Road to Tierra de Dios Drive. Work includes constructing a two-lane road with 8-foot paved shoulders, sidewalk, curb and gutter. CIP#71360	By 2019
Green Valley Rd Widening - Francisco to Salmon Falls	Widen Green Valley Rd from Francisco Dr to Salmon Falls Rd to 4-lanes divided with curb, gutter, and sidewalk. CIP#GP178	By 2035

TABLE 12: CAPACITY-ENHANCING ROADWAY IMPROVEMENTS (ASSUMED COMPLETED BY 2035)

Project Name	Project Description	Estimated Completion
Green Valley Road Widening - County Line to Sophia Parkway	Widen Green Valley Rd from County line to Sophia Parkway from two to four lanes.	By 2018
Latrobe Connection	The project consists of intersection improvements at Golden Foothill Pkwy (south) and Carson Crossing Dr. CIP#66116	By 2027
Saratoga Way Ext - Phase 1	Construct new 2-lane arterial to extend Saratoga Wy from current terminus near Finders Wy to Sacramento County Line; includes median, 6-ft shoulders, right-turn pocket onto Finders Way, asphalt path, drainage system, environmental clearance and secure ROW for future 4-lane road from County Line to El Dorado Hills Blvd. CIP#71324 (Phase 2 CIP#GP147 - See ELD19234 in MTP.)	By 2035
Saratoga Way. (Phase 2)	Widen: 4 lanes from the Sacramento/El Dorado County line to El Dorado Hills Blvd. Includes: full curb, gutter, and sidewalk. (See ELD16010 for Phase 1) CIP#GP147	By 2035
Silva Valley Parkway/Serrano Parkway Traffic Circulation Improvement	Project includes traffic signal modification and lane re-striping at the Silva Valley Parkway/Serrano Parkway intersection, installation of an all-way stop at Serrano Parkway/Village Green intersection, and installation of left-turn prohibition signs at Silva Valley Parkway/Entrada intersection and Oak Meadow School driveway at Silva Valley Parkway. This project will be coordinated with the US 50/Silva Valley Parkway Freeway Interchange (CIP#71328). CIP#72141	Completed
Silver Springs Parkway to Bass Lake Road (South Segment)	Realign Bass Lake Road south of Green Valley Road through the proposed Silver Springs subdivision, which is west of the existing Bass Lake Road. The new road is named Silver Springs Parkway. That development is responsible for building Silver Springs Parkway through their development. Silver Springs Parkway will be a two-lane standard divided roadway with shoulders. CIP#76108	By 2020
US 50 Aux Lane WB - El Dorado Hills Boulevard to Sacramento County Line	Widen US 50 and add auxiliary lane to westbound US 50 connecting the El Dorado Hills Blvd/Latrobe Rd Interchange to the future Empire Ranch Rd Interchange located in the City of Folsom; (City of Folsom will construct the EB aux lane.) CIP#53115	By 2035
US 50 50 Auxiliary Lane Westbound - Ponderosa Road to Cameron Park Drive	Widen US 50 and add an auxiliary lane to westbound US 50, connecting Cameron Park Drive Interchange to Ponderosa Road Interchange. CIP#53128	By 2035
US 50 Auxiliary Lane Westbound – Bass Lake Road to Silva Valley Parkway	Widen US 50 to add an auxiliary lane to westbound US 50 connecting the Bass Lake Road Interchange and Silva Valley Parkway Interchange. Timing of construction to be concurrent with or after the Bass Lake Road Interchange improvement (71330). CIP#53117	By 2027

TABLE 12: CAPACITY-ENHANCING ROADWAY IMPROVEMENTS (ASSUMED COMPLETED BY 2035)

Project Name	Project Description	Estimated Completion
US 50 Auxiliary Lane Westbound – Cambridge Road to Bass Lake Road	Widen US 50 to add an auxiliary lane to westbound US 50 connecting the Cambridge Road Interchange to Bass Lake Road Interchange. Timing of construction to be concurrent with or after the Bass Lake Road Interchange improvement (71330). GP149	By 2035
US 50 Auxiliary Lane Eastbound – Bass Lake Road to Cambridge Road	Widen US 50 and add eastbound auxiliary lane between Bass Lake Road Interchange and Cambridge Road Interchange. Timing of construction to be concurrent with or after the Bass Lake Road Interchange improvements.	By 2035
US 50 Auxiliary Lane Eastbound – Cambridge Road to Cameron Park Drive	Widen US 50 and add eastbound auxiliary lane between Cambridge Road Interchange and Cameron Park Drive Interchange. Timing of construction to be concurrent with or after the Cambridge Road Interchange improvements.	By 2035
US 50 Auxiliary Lane Eastbound – Sacramento County Line to El Dorado Hills Boulevard/Latrobe Road Interchange	Widen US 50 and add eastbound auxiliary lane between planned US 50/Empire Ranch Road Interchange and US 50 El Dorado Hills Boulevard/Latrobe Road Interchange. Timing of construction to be concurrent with El Dorado Hills Boulevard Interchange or Empire Ranch Interchange.	By 2035
US 50 / Bass Lake Rd Interchange Improvements	Phase 1 of a larger project for the complete reconstruction of the Bass Lake Road interchange. Phase 1 of the project includes a detailed study to determine the complete improvements needed. Phase 1 is assumed to include ramp widenings, road widening, signals, and bridge replacement. CIP#71330	By 2035
US 50 / Cambridge Rd. Interchange Improvements	Phase 1 improvements to Cambridge Road interchange consists of widening the existing EB and WB off-ramps; addition of new WB on-ramp from SB Cambridge Road; reconstruction of the local intersections to provide for additional capacity, both turning and through lanes; and the installation of traffic signals at the EB ramp-terminal intersection. Also preliminary engineering for Phase 2 improvements to the Cambridge Interchange. CIP#71332	By 2035
US 50 / Cameron Park Dr. Interchange Improvements	Interchange Improvements: this project includes detailed study to identify capacity improvement alternatives and selection of preferred alternative; assumes reconstruction of US 50 bridges to widen Cameron Park Dr. to 8 lanes under the overcrossing; road and ramp widening. CIP#72361	By 2035
US 50 / El Dorado Hills Blvd Interchange Improvements – (Phase 2B)	Reconstruct eastbound diagonal on-ramp and eastbound loop off-ramp for the ultimate configuration; add a lane to northbound El Dorado Hills Blvd under the overpass (eliminates merge lane and improves traffic flow from the eastbound loop off-ramp); eastbound diagonal on-ramp will be metered and have an HOV bypass. Project split from ELD15630 (CIP#71323).	By 2035
US 50 / Silva Valley Pkwy Interchange - Phase 1	New Interchange: Phase 1 includes US 50 on-/off-ramps, overcrossing, and US 50 aux lanes. (See ELD19291/CIP#71345 for Phase 2). CIP#71328	Completed



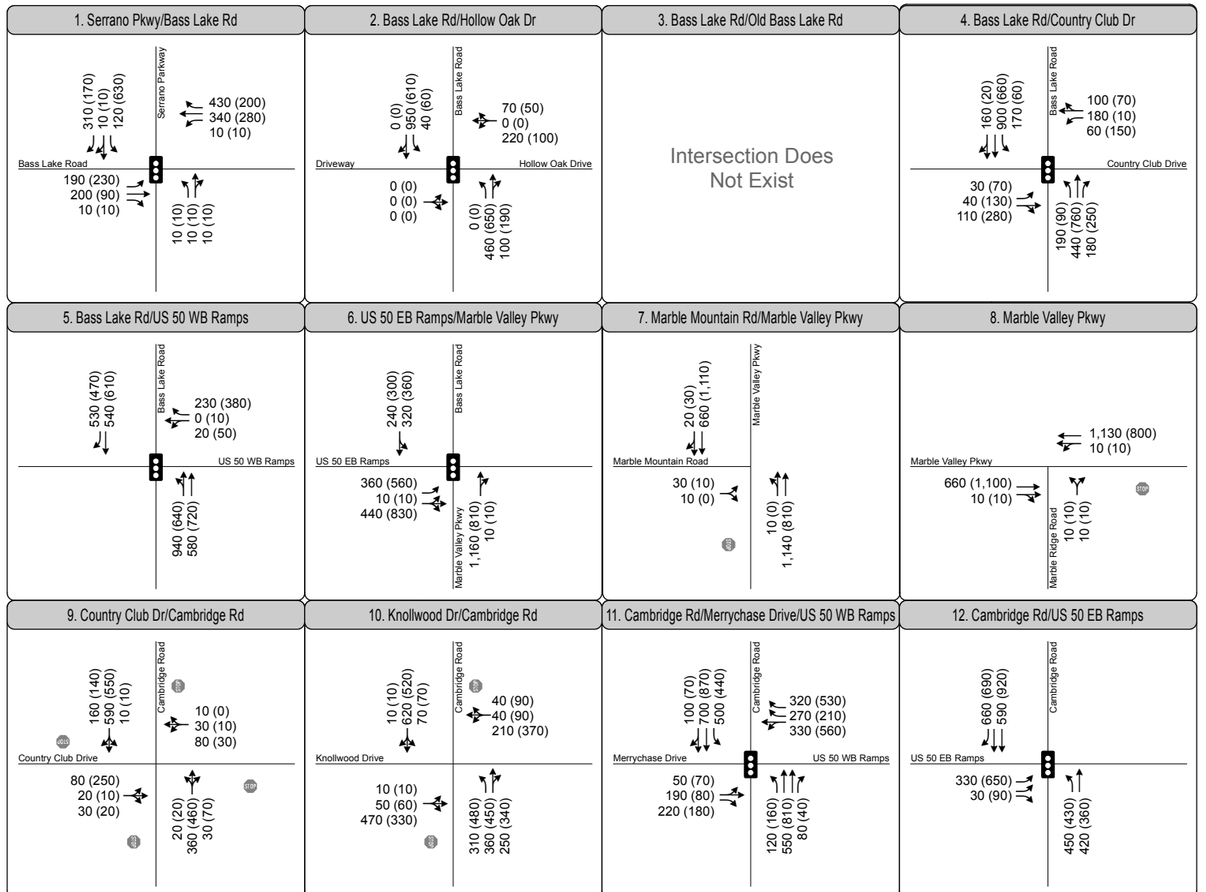
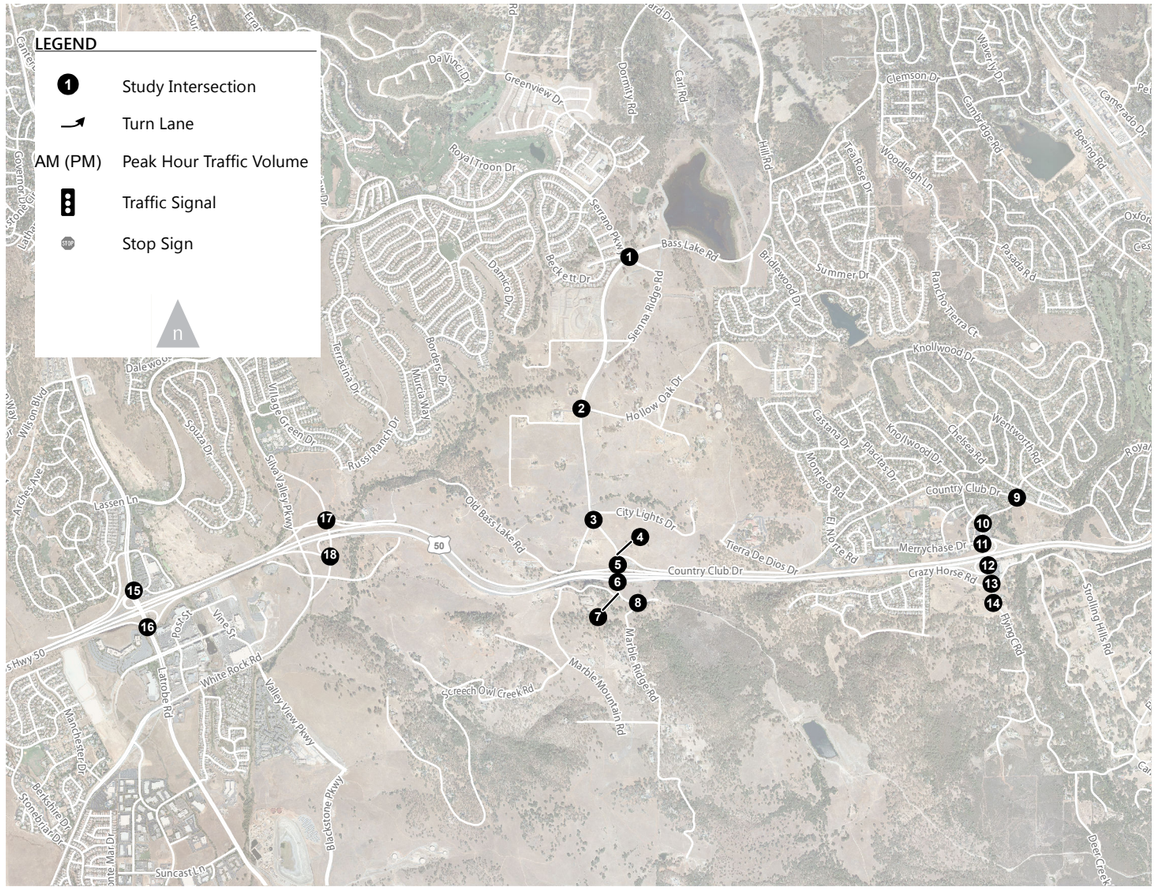


Figure 9

Peak Hour Traffic Volumes and Lane Configurations - Cumulative No Project Conditions

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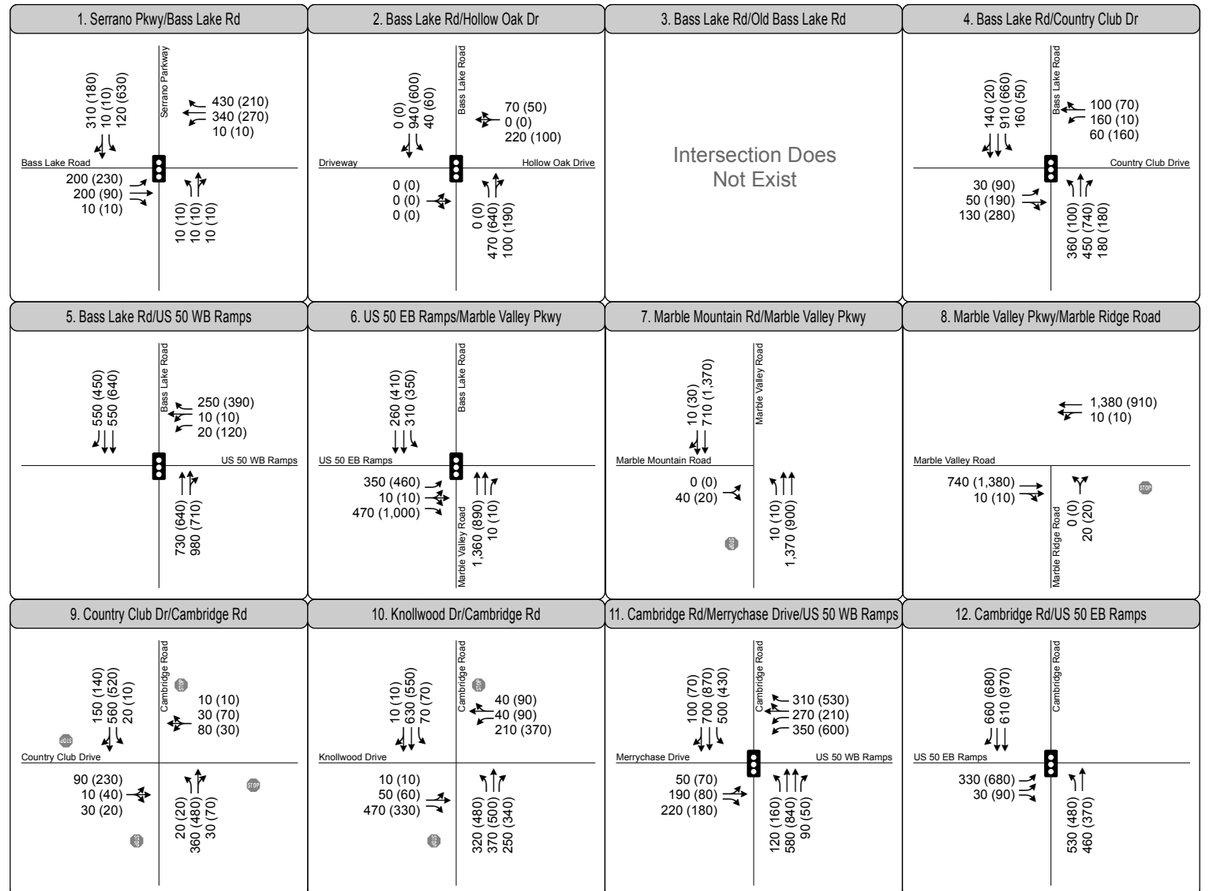


Figure 10

Peak Hour Traffic Volumes and Lane Configurations - Cumulative Plus Project Conditions

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6.2 Peak Hour Vehicle Level of Service

6.2.1 Intersections

Analysis results, which are presented in Table 13, indicate that many of the study intersections, which are stop controlled, will operate unacceptably with increased traffic from build-out of the proposed project added to Cumulative background traffic. Traffic generated by the project result in potential impacts at the following locations:

- Bass Lake Road/US 50 eastbound ramps (Intersection 6) – This intersection is located in the County's Rural Region and is subject to the LOS D significance threshold. This intersection will operate at unacceptable LOS F conditions and acceptable LOS C conditions without the project during the AM and PM peak hours, respectively. The addition of project traffic will degrade the operation of the intersection to LOS F during the AM and PM peak hours.
- Marble Valley Parkway/Marble Mountain Road (Intersection 7) – This intersection is located in the County's Rural Region and is subject to the LOS D significance threshold. This intersection will operate at LOS D or better without the project during both the AM and PM peak hours. The project will result in unacceptable LOS E and LOS F conditions during the AM and PM peak hours, respectively.
- Marble Valley Parkway/Marble Ridge Road (Intersection 8) – This intersection is located in the County's Rural Region and is subject to the LOS D significance threshold. This intersection will operate at LOS D without the project during the PM peak hour. The project will result in unacceptable LOS F conditions during the PM peak hour.
- Cambridge Road/Country Club Drive (Intersection 9) – This intersection will operate at LOS F without the project during both the AM and PM peak hours. According to established significance criteria, the project is projected to "significantly worsen" conditions, since it would add more than 10 trips to the intersection during the AM and PM peak hours.
- Cambridge Road/Knollwood Drive (Intersection 10) – This intersection will operate at LOS F without the project during both the AM and PM peak hours. According to established significance criteria, the project is projected to "significantly worsen" conditions, since it would add more than 10 trips to the intersection during the AM and PM peak hours.
- Cambridge Road/US 50 westbound ramps (Intersection 11) – This intersection will operate at LOS F without the project during the AM and PM peak hours. According to established significance criteria, the project is projected to "significantly worsen" conditions, since it would add more than 10 trips to the intersection during the AM and PM peak hours.
- Cambridge Road/Flying C Road/Crazy Horse Road (Intersection 13) – This intersection will operate at LOS F without the project during both the AM and PM peak hours. According to established

significance criteria, the project is projected to "significantly worsen" conditions, since it would add more than 10 trips to the intersection during the AM and PM peak hours.

TABLE 13: PEAK HOUR LEVEL OF SERVICE - CUMULATIVE CONDITIONS (INTERSECTIONS)

Intersections	Control	Cumulative No Project (LOS / Delay)		Cumulative Plus Project (LOS / Delay)	
		AM	PM	AM	PM
1. Bass Lake Road/Serrano Parkway	Signal	B / 18	D / 38	B / 18	D / 37
2. Bass Lake Road/Hollow Oak Drive	Signal	B / 17	A / 10	B / 17	A / 10
3. Bass Lake Road/Old Bass Lake Road	Does Not Exist				
4. Bass Lake Road/Country Club Drive	Signal	C / 27	C / 30	C / 34	D / 51
5. Bass Lake Road/US WB 50 Ramps	Signal	A / 2	A / 5	B / 10	A / 5
6. Bass Lake Road/US EB 50 Ramps	Signal	**F / >180**	C / 29	***F / >180***	***F / >180***
7. Marble Valley Road/ Marble Mountain Road	SSSC	D / 32	D / 34	***E / 43***	***F / 55***
8. Marble Valley Parkway/ Marble Ridge Road	SSSC	C / 22	D / 33	D / 27	***F / 54***
9. Cambridge Road/Country Club Drive	AWSC	**F / >180**	**F / 133**	***F / >180***	***F / 163***
10. Cambridge Road/Knollwood Drive	SSSC[1]	**F / -**	**F / -**	***F / -***	***F / -***
11. Cambridge Road/Merrychase Drive/US 50 WB Ramps	Signal	**F / 159**	**F / 121**	***F / 170***	***F / 127***
12. Cambridge Road/US 50 EB Ramps	Signal	B / 18	C / 32	C / 22	D / 44
13. Cambridge Road/Flying C Road/Crazy Horse Road	SSSC	**F / >180**	**F / >180**	***F / >180***	***F / >180***
14. Flying C Road/Deer Creek Road	SSSC	C / 18	C / 24	C / 20	C / 21
15. El Dorado Hills Boulevard/US 50 WB Ramps	Signal	D / 41	D / 51	D / 39	E / 80
16. Latrobe Road/US 50 EB Ramps	Signal	C / 21	D/ 36	B / 18	E / 57
17. Silva Valley Parkway/US 50 WB Ramps	Signal	A / 10	B / 19	A / 10	C / 20
18. Silva Valley Parkway/US 50 EB Ramps	Signal	A / 3	A / 6	A / 3	B / 11

Notes: SSSC = side-street stop-control, AWSC = all-way stop control
Bold text indicates LOS worse than established threshold. *Italic and underlined* text identifies a potential impact.
The average delay is measured in seconds per vehicle. For signalized and AWSC intersections, the delay shown is the average control delay for the overall intersection. For SSSC intersections, the LOS and control delay for the worst movement is shown.
Intersection LOS and delay is calculated based on the procedures and methodology contained in the *Highway Capacity Manual* (Transportation Research Board, 2010). Intersections 1-14, 17 and 18 are analyzed in Synchro. Intersections 15 and 16 are analyzed in SimTraffic.
[1] Analyzed with *Highway Capacity Manual 2000* Methodology

Source: Fehr & Peers, 2017

6.2.2 Roadway Segments

Analysis results, which are presented in Table 14, indicate that all but two study roadway segments will operate acceptably under Cumulative conditions, due primarily to the capacity increasing roadway project included in the County's CIP, which are documented in Table 12. These segments are listed below.

- Bass Lake Road between Hollow Oak Drive and Country Club Drive (LOS F during AM the peak hour and LOS E during the PM peak hour)
- Cameron Park Drive between Alhambra Drive and Oxford Road (LOS F during the PM peak hour)

Without the project, the segments of Bass Lake Road between Hollow Oak Drive and Country Club Drive would operate at unacceptable LOS F and LOS E conditions during the AM and PM peak hours, respectively. However, the project would not "significantly worsen" conditions on these segments since it does not add more than 10 trips to the volumes on these segments.

Without the project, the segment of Cameron Park Drive between Alhambra Drive and Oxford Road would operate at unacceptable (LOS F) conditions during the PM peak hour. According to established significance criteria, the project is projected to "significantly worsen" conditions, since it would add more than 10 trips to the roadway segment during the PM peak hour.

TABLE 14: PEAK HOUR LEVEL OF SERVICE - CUMULATIVE CONDITIONS (ROADWAY)

Roadway	Segment	Facility Type	Cumulative No Project Volume – Capacity (V/C) Ratio / LOS		Cumulative Plus Project Volume – Capacity (V/C) Ratio / LOS	
			AM	PM	AM	PM
Bass Lake Rd	Green Valley Rd to Bridlewood Dr	2 lane arterial	750 / 0.45 / C[1]	830 / 0.50 / C[1]	750 / 0.45 / C[1]	820 / 0.50 / C[1]
	Bridlewood Dr to Serrano Pkwy	2 lane arterial	1,070 / 0.65 / D	1,170 / 0.71 / D	1,070 / 0.65 / D	1,180 / 0.72 / D
	Serrano Pkwy to Hollow Oak Dr	2 lane arterial	1,020 / 0.62 / D	880 / 0.53 / D	1,030 / 0.62 / D	880 / 0.53 / D
	Hollow Oak Dr to Country Club Dr	2 lane arterial	**1,720 / 1.04 / F**	**1,550 / 0.94 / E**	**1,720 / 1.04 / F**	**1,540 / 0.93 / E**
	Country Club Dr to US 50	4 lane divided arterial	1,850 / 0.56 / C[1]	2,170 / 0.63 / D	2,060 / 0.63 / D	2,100 / 0.66 / D
Cambridge Rd	Green Valley Rd to Oxford Rd	2 lane arterial	570 / 0.35 / C[1]	670 / 0.41 / C[1]	580 / 0.35 / C[1]	680 / 0.41 / C[1]
	Oxford Rd to Knollwood Dr	2 lane arterial	980 / 0.59 / D	1,200 / 0.73 / D	990 / 0.60 / D	1,210 / 0.73 / D
	Knollwood Dr to Country Club Dr	2 lane arterial	1,090 / 0.66 / D	1,300 / 0.79 / D	1,100 / 0.67 / D	1,310 / 0.79 / D
	Country Club Dr to US 50	4 lane divided arterial	2,190 / 0.67 / D	2,460 / 0.75 / D	2,220 / 0.67 / D	2,500 / 0.76 / D
Cameron Park Dr	Green Valley Rd to Alhambra Dr	2 lane arterial	840 / 0.51 / C[1]	970 / 0.59 / D	830 / 0.50 / C[1]	970 / 0.59 / D
	Alhambra Dr to Oxford Rd	2 lane arterial	1,500 / 0.91 / D	**1,750 / 1.06 / F**	1,500 / 0.91 / D	**1,750 / 1.06 / F**
	Oxford Rd to Hacienda Dr	2 lane arterial	1,400 / 0.85 / D	**1,850 / 1.12 / F**	1,400 / 0.85 / D	***1,860 / 1.13 / F***
	Hacienda Dr to US 50	4 lane undivided arterial	1,680 / 0.54 / C[1]	2,300 / 0.73 / D	1,680 / 0.54 / C[1]	2,310 / 0.74 / D
Country Club Dr	Bass Lake Rd to Merrychase Dr	2 lane arterial	690 / 0.42 / C[1]	650 / 0.39 / C[1]	680 / 0.41 / C[1]	630 / 0.38 / C[1]
	Merrychase Dr to Knollwood Dr	2 lane arterial	620 / 0.38 / C[1]	630 / 0.38 / C[1]	610 / 0.37 / C[1]	600 / 0.36 / C[1]
	Knollwood Dr to Cambridge Rd	2 lane arterial	490 / 0.30 / C[1]	620 / 0.38 / C[1]	490 / 0.30 / C[1]	600 / 0.36 / C[1]
	Cambridge Rd to Royal Dr	2 lane arterial	290 / 0.18 / C[1]	310 / 0.19 / C[1]	290 / 0.18 / C[1]	310 / 0.19 / C[1]
	Royal Dr to Cameron Park Dr	2 lane arterial	230 / 0.14 / C[1]	370 / 0.22 / C[1]	230 / 0.14 / C[1]	370 / 0.22 / C[1]
Durock Rd	US 50 to Business Dr	2 lane arterial	640 / 0.39 / C[1]	860 / 0.52 / D	640 / 0.39 / C[1]	870 / 0.53 / D
	Business Dr to S. Shingle Rd	2 lane arterial	560 / 0.34 / C[1]	760 / 0.46 / C[1]	560 / 0.34 / C[1]	760 / 0.46 / C[1]
Shingle Lime Mine Rd	South of Durock Rd	2 lane arterial	40 / 0.02 / C[1]	50 / 0.03 / C[1]	40 / 0.02 / C[1]	50 / 0.03 / C[1]
Amber Fields Dr	North of S. Shingle Rd	2 lane arterial	50 / 0.03 / C[1]	80 / 0.05 / C[1]	50 / 0.03 / C[1]	80 / 0.05 / C[1]

TABLE 14: PEAK HOUR LEVEL OF SERVICE - CUMULATIVE CONDITIONS (ROADWAY)

Roadway	Segment	Facility Type	Cumulative No Project Volume – Capacity (V/C) Ratio / LOS		Cumulative Plus Project Volume – Capacity (V/C) Ratio / LOS	
			AM	PM	AM	PM
S. Shingle Rd	US 50 to Amber Fields Dr	2 lane arterial	660 / 0.40 / C[1]	800 / 0.48 / C[1]	660 / 0.40 / C[1]	800 / 0.48 / C[1]
	Amber Fields Dr to Latrobe Rd	2 lane arterial	140 / 0.08 / C[1]	150 / 0.09 / C[1]	140 / 0.08 / C[1]	150 / 0.09 / C[1]

Notes: Volume-to-capacity ratio and LOS is based on the *Highway Capacity Manual* (Transportation Research Board, 2010) peak hour level of service thresholds.
[1]LOS at this location is C or better
Bold text indicates LOS worse than established threshold. *Italic* and <u>underlined</u> text identifies a potential impact.
Source: Fehr & Peers, 2017

6.2.3 Freeway Facilities

Analysis results, which are presented in Table 15, indicate that all of the study freeway facilities will operate acceptably under Cumulative conditions.

The capacity increasing projects from the County's 2016 CIP, which are documented in Table 12, include many projects that will add capacity to US 50, increase east/west parallel capacity, and add new interchange connections to US 50 that will provide alternatives to the existing US 50/El Dorado Hills Boulevard interchange. The following lists some of the more significant transportation improvements in the US 50 corridor:

6.2.3.1 Interchange Projects

- US 50/El Dorado Hills Boulevard Interchange Improvements (final improvement phases)
- US 50/Silva Valley Parkway Interchange (new connection to US 50)
- US 50/Empire Ranch Road Interchange (new connection to US 50)
- US 50/Bass Lake Road Interchange Upgrade
- US 50/Cambridge Road Interchange Upgrade

6.2.3.2 Mainline Projects

- Westbound US 50 interchange-to-interchange auxiliary lane (Bass Lake Road to Silva Valley Parkway)
- Westbound US 50 auxiliary lane (Silva Valley Parkway to Empire Ranch Road)
- Westbound US 50 interchange-to-interchange auxiliary lane (Silva Valley Parkway to El Dorado Hills Boulevard)
- Eastbound US 50 interchange-to-interchange auxiliary lane (El Dorado Hills Boulevard to Silva Valley Parkway)
- Westbound US 50 interchange-to-interchange auxiliary lane (Cambridge Drive to Bass Lake Road)
- Eastbound US 50 interchange-to-interchange auxiliary lane (Bass Lake Road to Cambridge Drive)

6.2.3.3 Arterial Roadway Projects

- Saratoga Way Extension from El Dorado Hills Boulevard to Iron Point Road
- Extension of Empire Ranch Road from US 50 to White Rock Road
- Latrobe Road Connector (new roadway between Latrobe Road and White Rock Road)

Figure 11 compares Existing conditions on US 50 to US 50 with the interchange and mainline projects listed above. Figure 12 shows peak hour US 50 mainline and ramp volumes under Cumulative conditions. About 11 percent of project trips will have an origin/destination in Rancho Cordova and other areas to the west, including unincorporated Sacramento County and the City of Sacramento.

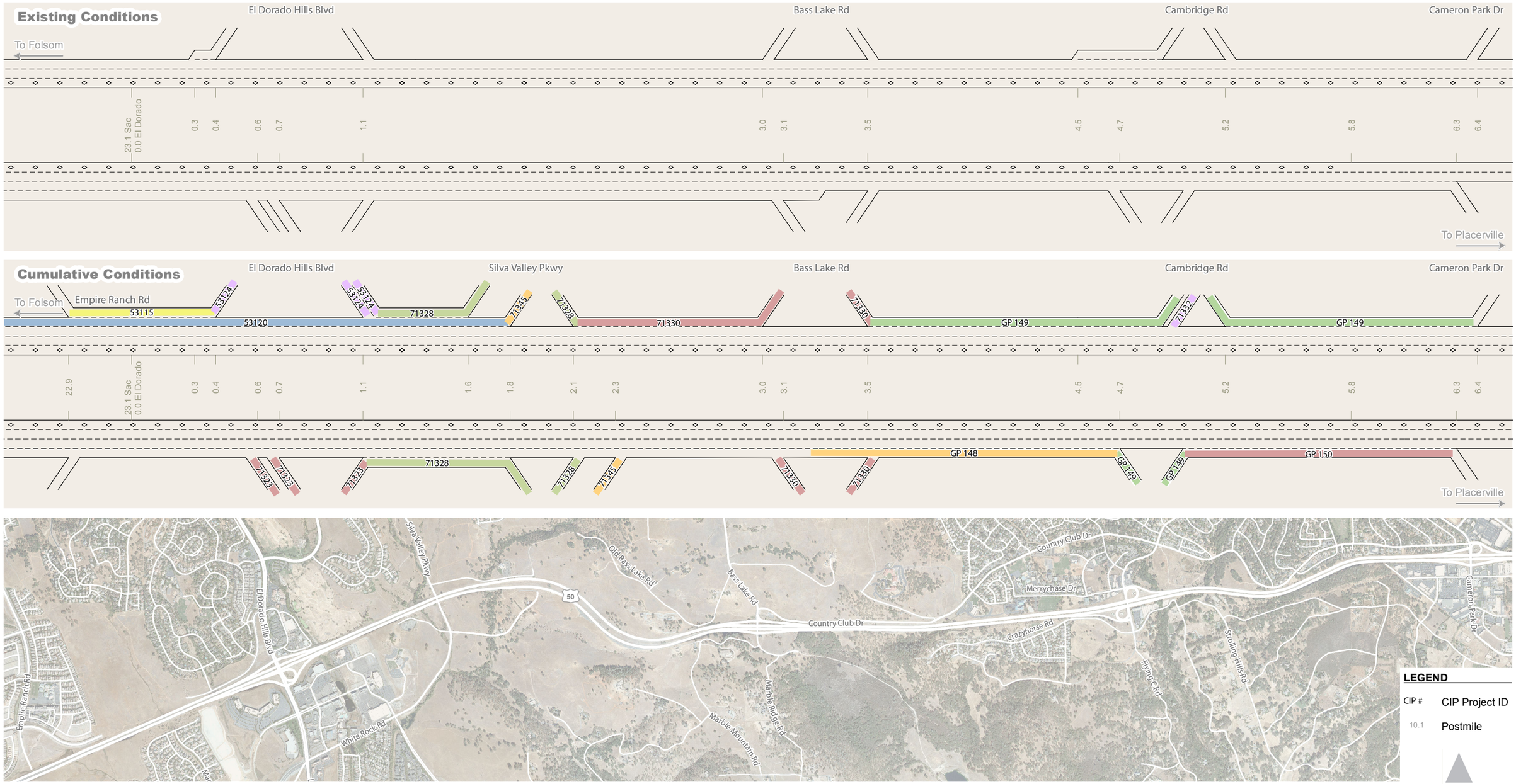


Figure 11.

Programmed Freeway Improvements

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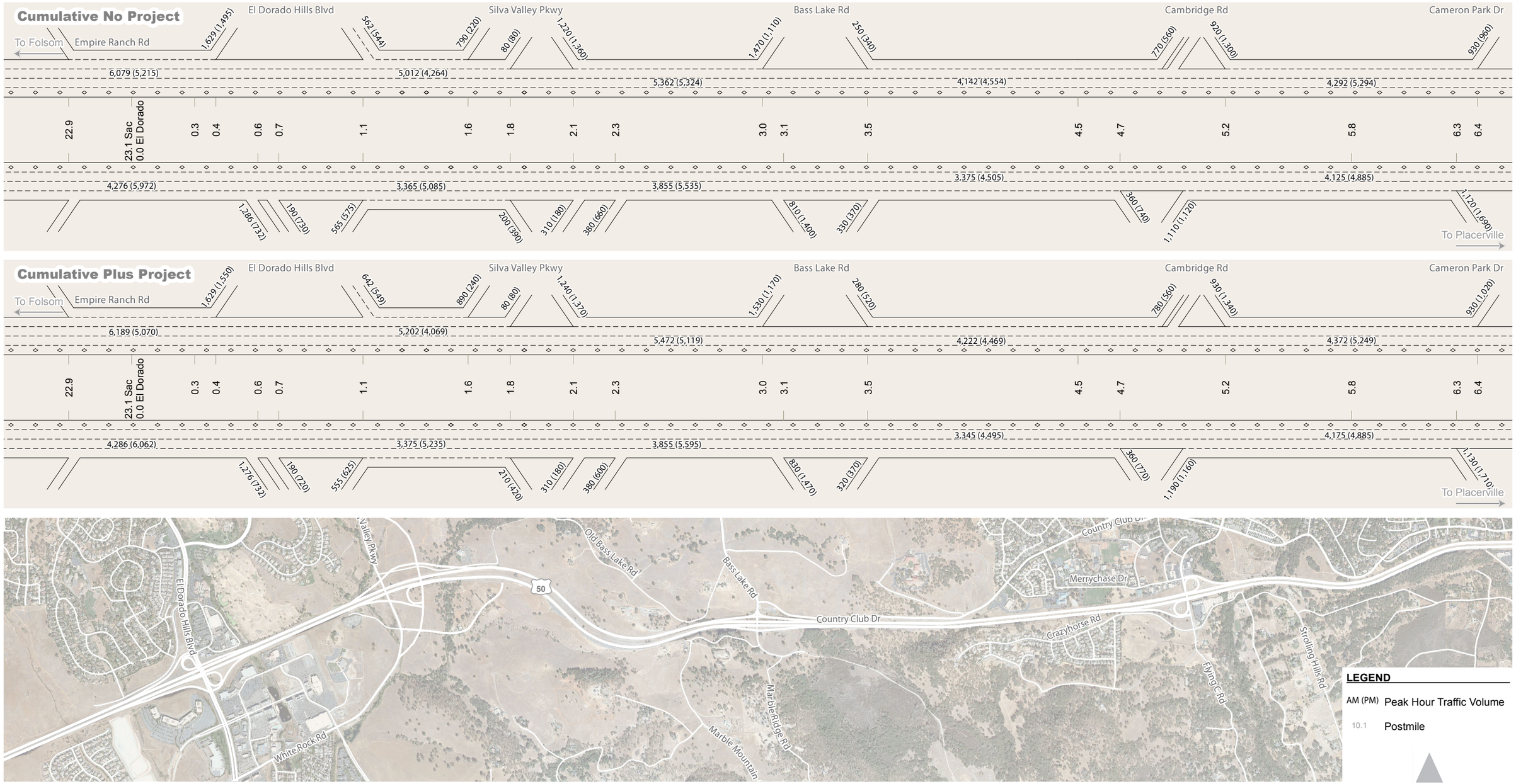


Figure 12.

Freeway Mainline and Ramp Peak Hour Traffic Volumes - Cumulative Conditions

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TABLE 15: PEAK HOUR LEVEL OF SERVICE – CUMULATIVE CONDITIONS (FREEWAY FACILITIES)

Freeway	Segment	Facility Type	Cumulative No Project Density[1] / LOS		Cumulative Plus Project Density[1] / LOS	
			AM	PM	AM	PM
US 50 EB	Latrobe Rd off-ramp	Diverge	29 / D	34 / D	29 / D	34 / D
	El Dorado Hills Blvd off-ramp	Diverge	21 / C	30 / D	21 / C	30 / D
	Latrobe Rd on-ramp to Silva Valley Pkwy off-ramp	Weave (HCM)	20 / C	30 / D	20 / C	31 / D
		Basic[2]	13 / B	18 / B	13 / B	19 / C
	Silva Valley Pkwy (loop) on-ramp	Merge	19 / B	23 / C	19 / B	24 / C
	Silva Valley Pkwy (slip) on-ramp	Merge	23 / C	30 / D	23 / C	30 / D
	Silva Valley Pkwy on-ramp to Bass Lake Rd off-ramp	Basic	21 / C	27 / C	21 / C	27 / D
	Bass Lake Rd off-ramp	Diverge	26 / C	32 / D	26 / C	33 / D
	Bass Lake Rd on-ramp to Cambridge Rd off-ramp	Basic[2]	17 / B	21 / C	17 / B	21 / C
	Cambridge Rd on-ramp to Cameron Park Dr off-ramp	Basic[2]	21 / C	23 / C	22 / C	23 / C
US 50 WB	Cameron Park Dr on-ramp to Cambridge Rd Off-Ramp	Weave (HCM)	48 / E	-[2]	49 / E	-[2]
		Basic[2]	21 / C	25 / C	21 / C	25 / C
	Cambridge Rd on-ramp to Bass Lake Rd off-ramp	Basic[2]	20 / C	21 / C	20 / C	20 / C
	Bass Lake Rd on-ramp to Silva Valley Pkwy off-ramp	Weave (Leisch)	-[2]	-[2]	-[2]	- / E
		Basic	27 / C	26 / C	27 / D	25 / C
	Silva Valley Pkwy (loop) on-ramp	Diverge	15 / B	14 / B	15 / B	13 / B
	Silva Valley Pkwy (slip) on-ramp to El Dorado Hills Blvd off-ramp	Weave (HCM)	31 / D	24 / C	34 / D	23 / C
		Weave (Leisch)	- / C	-[2]	- / C	-[2]
		Basic	18 / C	15 / B	19 / C	14 / B
	El Dorado Hills Blvd on-ramp to Empire Ranch off-ramp	Weave (HCM)	42 / E	35 / E	42 / E	35 / D
		Weave (Leisch)	- / D	- / C	- / D	- / C

TABLE 15: PEAK HOUR LEVEL OF SERVICE – CUMULATIVE CONDITIONS (FREEWAY FACILITIES)

Freeway	Segment	Facility Type	Cumulative No Project Density[1] / LOS		Cumulative Plus Project Density[1] / LOS	
			AM	PM	AM	PM
		Basic	22 / C	19 / B	22 / C	18 / C

Notes: [1]Density reported as passenger cars per mile per lane. Density is not reported for LOS F operations. Analysis based on *Highway Capacity Manual* (Transportation Research Board, 2010).
[2]Out of realm of weaving; analyzed as basic segment
Bold text indicates LOS worse than established threshold. *Italic* and underlined text identifies a potential impact.
Source: Fehr & Peers, 2017.

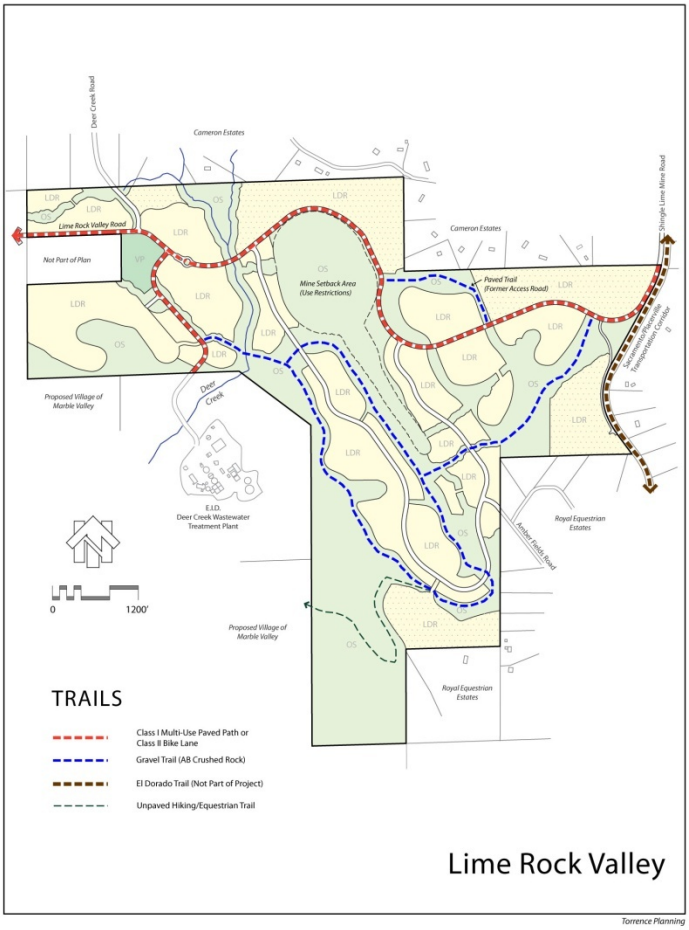
6.3 Pedestrian and Bicycle Circulation

Bicycle network improvements are planned within the study area. Figure 5 identifies planned bikeways presented in the *El Dorado Bicycle Transportation Plan, 2010 Update* and the *Sacramento Area Council of Governments (SACOG) Metropolitan Transportation Plan/Sustainable Communities Strategy (MTP/SCS) for 2035*. The following are planned improvement projects:

- El Dorado Hills Class I bike path - SMUD Corridor: Design and construct a Class I bike path between El Dorado Hills Boulevard and Silva Valley Parkway within the powerline easement operated by the Sacramento Municipal Utility District (SMUD). A portion of this project has been constructed between Silva Valley and New York Creek;
- Latrobe Road Class II bike lanes from Investment Boulevard to Deer Creek/SPTC;
- Old Bass Lake Road – El Dorado Hills Boulevard to Bass Lake Road Connection, Phase 1: Use existing roadway as Class I path from Tong Road to Old Bass Lake Road;
- Saratoga Way Extension Class II bike lanes included in extension of Saratoga Way from Finders Way to County Line. (Alternatively construct a Class I bike path prior to construction of extension of Saratoga Way to Iron Point Road) An informal trail exists connecting these roadways;
- Bass Lake Road Class II bike lanes from Green Valley Road to US 50;
- Bike path parallel to US 50 on the north side – El Dorado Hills Boulevard to Bass Lake Road Connection, Phase 2: Connect Silva Valley Road to El Dorado Hills Village Center Shopping Center. The Central El Dorado Hills Specific Plan will implement a portion of this bike path;
- El Dorado Hills Boulevard bike lanes, Phase 1: Saratoga Way to Governor Drive/St. Andrews;
- El Dorado Hills Boulevard bike path, Phase 2: Utilizing an existing golf cart undercrossing of Serrano Parkway, extend the bike path from the current terminus at Serrano Parkway to Raley's Center. The Central El Dorado Hills Specific Plan will implement this improvement;
- El Dorado Hills Boulevard to Bass Lake Connection, Phase 1; Class III bike route on Tong Road, Class III bike route on Old Bass Lake Road;
- Green Valley Road Class II bike lanes from Francisco Drive to Pleasant Grove Middle School;
- Harvard Way bike path from Clermont Road to El Dorado Hills Boulevard;
- Silva Valley Parkway bike lanes from the new connection with White Rock Road to Green Valley Road;
- SPTC/El Dorado Trail Class I bike path from Latrobe Road to County Line;

- Class I bike path and US 50 Undercrossing or overcrossing between the El Dorado Hills Town Center and El Dorado Hills Village Center (not fully funded or listed in MTP/SCS). As outlined below, the Central El Dorado Hills Specific Plan proposes to locate the overcrossing of US 50 adjacent to the Village Park with, connecting the planned bike path north of US 50 to the El Dorado Hills Town Center; and
- Class I bike path within the SMUD power line easement between El Dorado Hills Boulevard and Sophia Parkway (not fully funded or listed in the MTP/SCS).

The project proposes a network of trails and pathways that would connect to and enhance existing and proposed trails in the area, including the El Dorado Trail and Class II Bike Lanes and/or Class I Multi-Use Path on Marble Valley Parkway and Marble Lake Boulevard by way of Lime Rock Valley Road. The proposed trail network is shown to the right.



6.4 Transit

No transit enhancements are proposed as part of the project. However, as described above, the project will provide bicycle and pedestrian connections to existing and planned bicycle and pedestrian facilities. Based on ridership data presented in the *El Dorado Hills Community Transit Needs Assessment and US 50 Corridor Transit Operations Plan,* 41,760 annual commute trips are made by El Dorado Hills residents using El Dorado Transit Commuter Service. Residents of El Dorado Hills account for about 72 percent of boardings at the El Dorado Hills Park-n-Ride lot, which includes riders that park in the lot and riders that use other means to access the service (i.e., walk, bike, and drop-off).

Based on this information, about one annual commute trip is generated per El Dorado Hills resident, assuming a population of 42,100 (2010 Census) in El Dorado Hills. Therefore, the project's 800 dwelling units could result in demand of about 2,100 annual commute trips (assuming a household population of 2.93 persons, based on 2010 Census), or about 9 commute trips per workday.

7. Impact Statements and Mitigation Measures

Project impacts were determined by comparing conditions with the project to conditions without the project in accordance with the established significance criteria presented in Section 3.2.

7.1 Existing Plus Project

7.1.1 Intersections

Analysis results, which are presented in Table 16, indicate that the addition of the project would exacerbate unacceptable operations at three intersections and result in unacceptable operation at one study intersection. The following discusses these impacts and associated mitigation:

7.1.1.1 Impacts

Impact 1 - Bass Lake Road/Country Club Drive (Intersection 4) – This intersection is located in the County's Rural Region and is subject to the LOS D significance threshold. This intersection operates unacceptably at LOS F without the project during the AM peak hour. According to established significance criteria, the addition of the project is projected to "significantly worsen" conditions, since it would add more than 10 trips to the intersection during the AM peak hour. **This is a significant impact**.

Impact 2 - Bass Lake Road/US 50 westbound ramps (Intersection 5) – This intersection is located in the County's Rural Region and is subject to the LOS D significance threshold. This intersection operates acceptably without the project during the AM and PM peak hours. The addition of the project results in unacceptable LOS F conditions during the AM and PM peak hours. Poor operation at this intersection will result in vehicle queuing on the westbound off ramp during the PM peak hour that could cause vehicles to spill back to the US 50 mainline, impacting mainline operations. **This is a significant impact**.

Impact 3 - Bass Lake Road/US 50 eastbound ramps (Intersection 6) – This intersection is located in the County's Rural Region and is subject to the LOS D significance threshold. This intersection operates unacceptably at LOS F without the project during the PM peak hour. According to established significance criteria, the addition of the project is projected to "significantly worsen" conditions, since it would add more than 10 trips to the intersection during the PM peak hour. The project would also result in unacceptable LOS F conditions during the AM hour. Poor operation at this intersection will result in vehicle queuing on the eastbound off ramp during the PM peak hour that could cause

vehicles to spill back to the US 50 mainline, impacting mainline operations. **This is a significant impact**.

7.1.1.2 Mitigations

Mitigation 1 - Bass Lake Road/Country Club Drive (Intersection 4) – This intersection will be part of the planned extension of Country Club Drive between Tong Road and Bass Lake Road, which is included in the County's 10-year CIP (Project no. 71361). Implementation of the following improvements to the Bass Lake Road/Country Club Drive intersection would result in acceptable LOS B operations during the AM and PM peak hours:

- Install traffic signal control
- Provide one through lane and a separate right-turn lane on the northbound approach
- Provide one left-turn lane, and two through lanes on the southbound approach
- Provide one left-turn lane and one right-turn lane on the westbound approach

Implementation of these improvements would result in acceptable LOS D or better operations during the AM and PM peak hours. With these improvements, this impact would be **less than significant**.

The analysis of the project under Existing conditions assumes that the entire project develops immediately. However, development of the proposed project is anticipated to occur over 20 or more years. Consequently, the phasing of offsite infrastructure improvement is not certain and will be influenced by the following factors:

- The rate and location of regional development
- The location of development within the project site
- The type of development within the project site
- The implementation of roadway improvement constructed by others

The project applicant should work collaboratively with El Dorado County to initiate programming studies to identify the scope of the ultimate interchange reconstruction, which will be used to guide phased implementation of at-grade improvements and interchange reconstruction to ensure consistency with General Plan Policy TC-Xf.

If constructed by others or prior to residential development levels in the project site that would require this mitigation, payment of traffic impact mitigation fees would satisfy the project's fair share obligation towards this improvement. If not constructed by

others, the applicant would be responsible for implementing this improvement consistent with General Plan Goal TC-X and supporting Policy TC-Xf to ensure that transportation improvements are implemented concurrent with approved residential development. If constructed by the applicant, the applicant may be subject to fee credit or reimbursement through the County's traffic impact mitigation fee program.

Mitigation 2 - Bass Lake Road/US 50 westbound ramps (Intersection 5) – This intersection will be part of the planned realignment of the US 50/Bass Lake Road interchange, which is not included in the County's 10-year CIP. Implementation of the following improvements to the Bass Lake Road/US 50 westbound ramps would result in acceptable LOS A and B operations during the AM and PM peak hours, respectively:

- Install traffic signal control
- Provide one shared left/through lane one through lane on the northbound approach
- Provide one through lane and one right-turn lane on the southbound approach
- Provide one left-turn lane, one shared left/through lane, and one right-turn lane on the westbound approach

Implementation of these improvements would result in acceptable LOS D or better operations during the AM and PM peak hours. The above modifications represent the "Interim Improvements" of the US 50 / Bass Lake Road Interchange. With these improvements, this impact would be **less than significant**.

The analysis of the project under Existing conditions assumes that the entire project develops immediately. However, development of the proposed project is anticipated to occur over 20 or more years. Consequently, the phasing of offsite infrastructure improvement is not certain and will be influenced by the following factors:

- The rate and location of regional development
- The location of development within the project site
- The type of development within the project site
- The implementation of roadway improvement constructed by others

The project applicant should work collaboratively with El Dorado County to initiate programming studies to identify the scope of the ultimate interchange reconstruction, which will be used to guide phased implementation of at-grade improvements and interchange reconstruction to ensure consistency with General Plan Policy TC-Xf.

If constructed by others prior to residential development levels in the project site that would require this mitigation, payment of traffic impact mitigation fees would satisfy the project's fair share obligation towards this improvement. If not constructed by others, the applicant would be responsible for implementing this improvement consistent with General Plan Goal TC-X and supporting Policy TC-Xf to ensure that transportation improvements are implemented concurrent with approved residential development. If constructed by the applicant, the applicant may be subject to fee credit or reimbursement through the County's traffic impact mitigation fee program.

Mitigation 3 - Bass Lake Road/US 50 eastbound ramps (Intersection 6) – This intersection will be part of the planned reconstruction of the US 50/Bass Lake Road interchange, which is not included in the County's 10-year CIP. Implementation of the following would result in acceptable operations during the AM and PM peak hours, respectively:

- Install traffic signal control
- Provide one through lane and a separate right-turn lane on the northbound approach
- Provide one shared left/through lane and one through lane on the southbound approach
- Provide one left-turn lane and one shared left/through/right-turn lane on the eastbound approach

Implementation of these improvements would result in acceptable LOS D or better operations during the AM and PM peak hours. The above modifications represent the "Interim Improvements" of the US 50 / Bass Lake Road Interchange. With these improvements, this impact would be **less than significant**.

The analysis of the project under existing conditions assumes that the entire project develops immediately. However, development of the proposed project is anticipated to occur over 20 or more years. Consequently, the phasing of offsite infrastructure improvement is not certain and will be influenced by the following factors:

- The rate and location of regional development
- The location of development within the site
- The type of development within the project site
- The implementation of roadway improvement constructed by others

The project applicant should work collaboratively with El Dorado County to initiate programming studies to identify the scope of the ultimate interchange reconstruction,

which will be used to guide phased implementation of at-grade improvements and interchange reconstruction to ensure consistency with General Plan Policy TC-Xf.

If constructed by others or prior to residential development levels in the project site that would require this mitigation, payment of traffic impact mitigation fees would satisfy the project's fair share obligation towards this improvement. If not constructed by others, the applicant would be responsible for implementing this improvement consistent with General Plan Goal TC-X and supporting Policy TC-Xf to ensure that transportation improvements are implemented concurrent with approved residential development. If constructed by the applicant, the applicant may be subject to fee credit or reimbursement through the County's traffic impact mitigation fee program.

TABLE 16: PEAK HOUR LEVEL OF SERVICE - EXISTING PLUS PROJECT (MITIGATED) CONDITIONS (INTERSECTIONS)

Intersection	LOS Target	Control	Existing LOS / Delay		Existing Plus Project LOS / Delay		Existing Plus Project (Mitigated) LOS / Delay	
			AM	PM	AM	PM	AM	PM
4. Bass Lake Road/Country Club Drive	D	SSSC	**F / >180**	C / 22	***F / > 180***	D / 29	A / 5	B / 13
5. Bass Lake Road/US 50 WB Ramps	D	SSSC	B / 11	C / 16	***F / 59***	***F / > 180***	B / 12	A / 3
6. Bass Lake Road/US 50 EB Ramps	D	SSSC	C / 20	**F / 58**	***F / > 180***	***F / > 180***	B / 16	B / 19

Notes: SSSC = side-street stop controlled
Bold text indicates LOS is worse than established threshold. *Italic* and underlined text identifies a potential impact. The average delay is measured in seconds per vehicle. For signalized intersections, the delay shown is for the overall intersection. For SSSC intersections, the LOS and control delay for the worst movement is shown. Intersections are analyzed in Synchro.
Source: Fehr & Peers, 2017.

7.1.2 Freeway Facilities

The addition of project traffic will result in one impact to US 50 operations under Existing conditions. The analysis result is presented in Table 17.

Impact 4 - US 50/Westbound El Dorado Hills Boulevard On-Ramp – The addition of project traffic will result in LOS F conditions at the US 50 westbound on-ramp from El Dorado Hills Boulevard during the AM peak hour. **This is a significant impact.**

Mitigation 4 - US 50/Westbound El Dorado Hills Boulevard On-Ramp – Implementation of CIP project number 71324 (Saratoga Way Extension – Phase 1), which is in the County's five-year CIP, would result in acceptable LOS D operations at westbound on-ramp merge area during the AM peak hour.

With this improvement, this impact would be **less than significant**.

If Saratoga Way Phase I is constructed by others prior to residential development levels in the project site that would require this mitigation, payment of traffic impact mitigation fees would satisfy the project's fair share obligation towards this improvement. If not constructed by others, the applicant would be responsible for implementing this improvement consistent with General Plan Goal TC-X and supporting Policy TC-Xf to ensure that transportation improvements are implemented concurrent with approved residential development. If constructed by the applicant, the applicant may be subject to fee credit or reimbursement through the County's traffic impact mitigation fee program. The other improvements are either under construction or included in the County's five-year, 10-year, and 20-year CIPs, and if Saratoga Way Phase I is constructed by others or included in the County's five-year, 10-year, or 20-year CIPs, payment of traffic impact mitigation fees would satisfy the project's fair share obligation towards these improvements.

TABLE 17: PEAK HOUR LEVEL OF SERVICE - EXISTING PLUS PROJECT (MITIGATED) CONDITIONS (FREEWAY FACILITIES)

Freeway	Segment	Facility Type	Existing Density[1] / LOS		Existing Plus Project Density[1] / LOS		Existing Plus Project (Mitigated) Density[1] / LOS	
			AM	PM	AM	PM	AM	PM
US 50 WB	El Dorado Hills Blvd on-ramp	Merge	34 / D	24 / C	***- / F***	25 / C	31 / D	22 / C

Notes: [1]Density reported as passenger cars per mile per lane. Density is not reported for LOS F operations. Analysis based on *Highway Capacity Manual* (Transportation Research Board, 2010).
Bold text indicates LOS worse than established threshold. *Italic* and underlined text identifies potential impact.
Source: Fehr & Peers, 2017

7.2 Cumulative Plus Project

Analysis results, which are presented in Table 13, indicate that the addition of the project would exacerbate unacceptable operations at seven study intersections. Results of the following mitigations are presented in Table 18. The following discusses these impacts and associated mitigation:

7.2.1 Intersections

7.2.1.1 Impacts

Impact 5 - Bass Lake Road/US 50 eastbound ramps (Intersection 6) – This intersection is located in the County's Rural Region and is subject to the LOS D significance threshold. This intersection will operate at unacceptable LOS F conditions and acceptable LOS C without the project during AM and PM peak hours, respectively. According to established significance criteria, the addition of the project is projected to "significantly worsen" conditions, since it would add more than 10 trips to the intersection during the AM peak hour. The addition of project traffic will degrade the operation of the intersection to LOS F during the PM peak hour. **This is a significant impact.**

Impact 6 - Marble Valley Parkway/Marble Mountain Road (Intersection 7) – This intersection is located in the County's Rural Region and is subject to the LOS D significance threshold. This intersection will operate at LOS D without the project during both the AM and PM peak hours. The addition of the project will degrade the operation of the intersection to LOS E and LOS F during the AM and PM peak hours. **This is a significant impact.**

Impact 7 - Marble Valley Parkway/Marble Ridge Road (Intersection 8) – This intersection is located in the County's Rural Region and is subject to the LOS D significance threshold. This intersection will operate at LOS D without the project during the PM peak hour. The addition of the project will degrade the operation of the intersection to LOS F during the PM peak hour. **This is a significant impact.**

Impact 8 - Cambridge Road/Country Club Drive (Intersection 9) – This intersection will operate at LOS F without the project during both the AM and PM peak hours. According to established significance criteria, the addition of the project is projected to "significantly worsen" conditions, since it would add more than 10 trips to the intersection during the AM and PM peak hours. **This is a significant impact.**

Impact 9 - Cambridge Road/Knollwood Drive (Intersection 10) – This intersection will operate at LOS F without the project during both the AM and PM peak hours. According to established significance criteria, the addition of the project is projected to "significantly worsen" conditions, since it would add more than 10 trips to the intersection during the AM and PM peak hours. **This is a significant impact.**

Impact 10 - Cambridge Road/US 50 westbound ramps (Intersection 11) – This intersection will operate at LOS F without the project during the AM and PM peak hours. According to established significance criteria, the addition of the project is projected to "significantly worsen" conditions, since it would add more than 10 trips to the intersection during the AM and PM peak hours. **This is a significant impact.**

Impact 11 - Cambridge Road/Flying C Road/Crazy Horse Road (Intersection 13) – This intersection will operate at LOS F without the project during both the AM and PM peak hours. According to established significance criteria, the addition of the project is projected to "significantly worsen" conditions, since it would add more than 10 trips to the intersection during the AM and PM peak hours. **This is a significant impact.**

7.2.1.2 Mitigations

Mitigation 5 - Bass Lake Road/US 50 eastbound ramps (Intersection 6) – Implementation of the following improvements would result in acceptable LOS D operations in the AM and PM peak hours:

- Install traffic signal control
- Provide two through lanes and a separate right-turn lane on the northbound approach
- Provide one left-turn lane and two through lanes on the southbound approach
- Provide one left-turn lane, a shared left/through/right-turn lane, and a separate right-turn lane on the eastbound approach

With these improvements, this impact would be **less than significant**.

The Cumulative analysis includes planned roadway improvements, growth consistent with the 2004 General Plan, and with approved and reasonably foreseeable projects within the study area. This is found to be an impact in the Cumulative scenario without the project, which includes other foreseeable but unapproved projects. Therefore, the project is responsible for its proportional share of the proposed mitigation under Cumulative conditions. Since the impact is identified under the Cumulative scenario, the timing of the improvement is a function of the rate of population and employment growth. The County's traffic impact mitigation fee program provides a mechanism for collecting fair share contributions for improvements in the 2016 CIP.

The CIP includes a line item for unprogrammed traffic signal installation and operational and safety improvements at intersections, including improvements like construction of new traffic signals, construction of turn pockets, and the upgrade of existing traffic signal systems. The County annually monitors intersections with potential need for improvement through the Intersection Needs Prioritization Process. The Intersection

Needs Prioritization Process is then used to inform the annual update to the CIP, and potential intersection improvements can be added, by the Board of Supervisors, to the CIP as funding becomes available.

Therefore, appropriate mitigation, as determined by the CDA, would include payment of traffic impact mitigation fees to satisfy the project's fair share obligation towards this improvement or construction of the improvement with reimbursement or fee credit for costs that exceed the project's proportional share if the improvement is needed but not included in future updates to the CIP or constructed by others.

Mitigation 6 - Marble Valley Parkway/Marble Mountain Road (Intersection 7) – Implementation of the following improvements would result in acceptable LOS C or better operations during the AM and PM peak hours:

- Restrict access to right-in/right-out and left-turn in movements only.
- Provide an uncontrolled U-turn movement just east of Marble Ridge Road to accommodate the restricted turn movements.

With these improvements, this impact would be **less than significant**.

Mitigation 7 - Marble Valley Parkway/Marble Ridge Road (Intersection 8) – Implementation of the following improvements would result in acceptable LOS C operations during the PM peak hour:

- Restrict access to right-in/right-out and left-turn in movements only.
- Provide an uncontrolled U-turn movement just east of Marble Ridge Road to accommodate the restricted turn movements.

With these improvements, this impact would be **less than significant**.

Mitigation 8 - Cambridge Road/Country Club Drive (Intersection 9) – Implementation of the following improvements to the Cambridge Road/Country Club Drive intersection would result in acceptable LOS C or better operation during the AM and PM peak hours, respectively:

- Provide one left-turn lane and a shared through/right-turn lane on the northbound approach.
- Provide one left-turn lane and one shared through / right turn lane on the southbound approach.

With these improvements, this impact would be **less than significant**.

The Cumulative analysis includes planned roadway improvements, growth consistent with the 2004 General Plan, and approved and reasonably foreseeable projects within the study area. This is found to be an impact in the Cumulative scenario without the

project, which includes other foreseeable but unapproved projects. Therefore, the project is responsible for its proportional share of the proposed mitigation under Cumulative conditions. Since the impact is identified under the Cumulative scenario, the timing of the improvement is a function of the rate of population and employment growth. The County's traffic impact mitigation fee program provides a mechanism for collecting fair share contributions for improvements in the 2016 CIP.

The CIP includes a line item for unprogrammed traffic signal installation and operational and safety improvements at intersections, including improvements like construction of new traffic signals, construction of turn pockets, and the upgrade of existing traffic signal systems. The County annually monitors intersections with potential need for improvement through the Intersection Needs Prioritization Process. The Intersection Needs Prioritization Process is then used to inform the annual update to the CIP, and potential intersection improvements can be added, by the Board of Supervisors, to the CIP as funding becomes available.

Therefore, appropriate mitigation, as determined by the CDA, would include payment of traffic impact mitigation fees to satisfy the project's fair share obligation towards this improvement or construction of the improvement with reimbursement or fee credit for costs that exceed the project's proportional share if the improvement is needed but not included in future updates to the CIP or constructed by others.

Mitigation 9 - Cambridge Road/Knollwood Drive (Intersection 10) – Implementation of the following improvements would result in acceptable LOS D operations during the AM and PM peak hours:

- Install traffic signal control
- Provide coordinated traffic signal operation with westbound off-ramp terminal intersection
- Provide one left-turn lane, one through lane, and one right-turn lane on the northbound approach
- Provide one left-turn lane, a through lane, and a shared through/right-turn lane on the southbound approach
- Provide a shared left-turn/through lane and a right-turn lane on the eastbound approach
- Provide a left-turn lane and shared through/right-turn on the westbound approach
- Provide split phasing eastbound and westbound and protected left-turn phasing on the northbound and southbound approaches

With these improvements, this impact would be **less than significant**.

The Cumulative analysis includes planned roadway improvements, growth consistent with the 2004 General Plan, and with approved and reasonably foreseeable projects within the study area. This is found to be an impact in the Cumulative scenario without the project, which includes other foreseeable but unapproved projects. Therefore, the project is responsible for its proportional share of the proposed mitigation under Cumulative conditions. Since the impact is identified under the Cumulative scenario, the timing of the improvement is a function of the rate of population and employment growth. The County's traffic impact mitigation fee program provides a mechanism collecting fair share contributions for improvements in the 2016 CIP.

The CIP includes a line item for unprogrammed traffic signal installation and operational and safety improvements at intersections, including improvements like construction of new traffic signals, construction of turn pockets, and the upgrade of existing traffic signal systems. The County annually monitors intersections with potential need for improvement through the Intersection Needs Prioritization Process. The Intersection Needs Prioritization Process is then used to inform the annual update to the CIP, and potential intersection improvements can be added, by the Board of Supervisors to the CIP as funding becomes available.

Mitigation 10 - Cambridge Road/Merrychase Drive/US 50 westbound ramps (Intersection 11) – Implementation of the following improvements to the Cambridge Road/Merrychase Drive/US 50 westbound ramps intersection would result in acceptable LOS E operations during the AM and PM peak hours:

- Modify traffic signal control
- Provide one left-turn lane, two through lanes, and a right-turn lane (to the loop on-ramp) on the northbound approach
- Provide one left-turn lane, one through lane, and a shared through/right-turn lane on the southbound approach
- Provide a shared through/left-turn lane and a right-turn lane on the eastbound approach
- Provide two left-turn lanes, a shared through/right-turn lane, and a separate right-turn lane on the westbound approach

With these improvements, this impact would be **less than significant**.

The Cumulative analysis includes planned roadway improvements, growth consistent with the 2004 General Plan, and approved and reasonably foreseeable projects within the study area. This is found to be an impact in the Cumulative scenario without the project, which includes other foreseeable but unapproved projects. Therefore, the

project is responsible for its proportional share of the proposed mitigation under Cumulative conditions. Since the impact is identified under the Cumulative scenario, the timing of the improvement is a function of the rate of population and employment growth. The County's traffic impact mitigation fee program provides a mechanism for collecting fair share contributions for improvements in the 2016 CIP.

The CIP includes a line item for unprogrammed traffic signal installation and operational and safety improvements at intersections, including improvements like construction of new traffic signals, construction of turn pockets, and the upgrade of existing traffic signal systems. The County annually monitors intersections with potential need for improvement through the Intersection Needs Prioritization Process. The Intersection Needs Prioritization Process is then used to inform the annual update to the CIP, and potential intersection improvements can be added, by the Board of Supervisors, to the CIP as funding becomes available.

Therefore, appropriate mitigation, as determined by the CDA, would include payment of traffic impact mitigation fees to satisfy the project's fair share obligation towards this improvement or construction of the improvement with reimbursement or fee credit for costs that exceed the project's proportional share if the improvement is needed but not included in future updates to the CIP or constructed by others.

Mitigation 11 - Cambridge Road/Flying C Road/Crazy Horse Road (Intersection 13) – Implementation of the following improvements to the Cambridge Road/Flying C Road/Crazy Horse Road intersection would result in acceptable LOS C operations during the AM and PM peak hours, respectively:

- Install traffic signal control
- Provide coordinated traffic signal operation with Cambridge Road interchange terminal intersections
- Provide one left-turn lane, one through lane, and a shared through/right-turn lane on the northbound approach
- Provide one left-turn lane, one through lane, and a right-turn lane on the southbound approach
- Provide a shared left/through/right-turn lane on the eastbound and westbound approach

With these improvements, this impact would be **less than significant**.

The Cumulative analysis includes planned roadway improvements, growth consistent with the 2004 General Plan, and approved and reasonably foreseeable projects within the study area. This is found to be an impact in the Cumulative scenario without the project, which includes other foreseeable but unapproved projects. Therefore, the

project is responsible for its proportional share of the proposed mitigation under Cumulative conditions. Since the impact is identified under the Cumulative scenario, the timing of the improvement is a function of the rate of population and employment growth. The County's traffic impact mitigation fee program provides a mechanism for collecting fair share contributions for improvements in the 2016 CIP.

The CIP includes a line item for unprogrammed traffic signal installation and operational and safety improvements at intersections, including improvements like construction of new traffic signals, construction of turn pockets, and the upgrade of existing traffic signal systems. The County annually monitors intersections with potential need for improvement through the Intersection Needs Prioritization Process. The Intersection Needs Prioritization Process is then used to inform the annual update to the CIP, and potential intersection improvements can be added, by the Board of Supervisors, to the CIP as funding becomes available.

Therefore, appropriate mitigation, as determined by the CDA, would include payment of traffic impact mitigation fees to satisfy the project's fair share obligation towards this improvement or construction of the improvement with reimbursement or fee credit for costs that exceed the project's proportional share if the improvement is needed but not included in future updates to the CIP or constructed by others.

TABLE 18: PEAK HOUR LEVEL OF SERVICE - CUMULATIVE PLUS PROJECT (MITIGATED) CONDITIONS (INTERSECTIONS)

Intersection	Control	Cumulative No Project LOS / Delay		Cumulative Plus Project LOS / Delay		Cumulative Plus Project (Mitigated) LOS / Delay	
		AM	PM	AM	PM	AM	PM
6. Bass Lake Road/US 50 EB Ramps	Signal	**F / >180**	C / 29	***F / >180***	***F / >180***	D / 49	C / 29
7. Marble Valley Road / Marble Ridge Road	SSSC	D / 32	D / 34	***E / 43***	***F / 55***	B / 11	C / 16
8. Marble Valley Parkway/Marble Ridge Road	SSSC	C / 22	D / 33	D / 27	***F / 54***	B / 11	C / 16
9. Cambridge Road/Country Club Drive	AWSC / Signal	**F / >180**	**F / 133**	***F / >180***	***F / 163***	B / 16	C / 32
10. Cambridge Road/Knollwood Drive	SSSC[1] / Signal	**F / -**	**F / -**	***F / -***	***F / -***	D / 52	D / 55
11. Cambridge Road/Merrychase Drive/US 50 WB Ramps	Signal	**F / 159**	**F / 121**	***F / 170***	***F / 127***	E / 71	E / 61
13. Cambridge Road/Flying C Road/Crazy Horse Road	SSSC / Signal	**F / >180**	**F / >180**	***F / >180***	***F / >180***	C / 34	C / 30

Notes: SSSC = side-street stop controlled
Bold text indicates LOS is worse than established threshold. *Italic* and underlined text identifies a potential impact.
The average delay is measured in seconds per vehicle. For signalized intersections, the delay shown is for the overall intersection. For SSSC intersections, the LOS and control delay for the worst movement is shown. Intersections are analyzed in Synchro.
[1]Analyzed with *Highway Capacity Manual* (Transportation Research Board, 2000) Methodology

Source: Fehr & Peers, 2017.

7.2.2 Roadways

Analysis results, which are presented in Table 14, indicate that the addition of the project would significantly worsen unacceptable operations on one study roadway segment. Results of the mitigations are shown in Table 19. The following discusses this impact and associated mitigation:

Impact 12 - Cameron Park Drive (Oxford Road to Hacienda Drive) – This roadway segment would operate unacceptably at LOS F without the project during the PM peak hour. According to established significance criteria, the project is projected to "significantly worsen" conditions, since it would add more than 10 trips to the roadway segment during the PM peak hours. **This is a significant impact.**

Mitigation 12 - Cameron Park Drive (Oxford Road to Hacienda Dr) – Implementation of the following improvements to this segment of Cameron Park Drive would result in acceptable LOS D or better operations during the AM and PM peak hours:

- Widen the segment of Cameron Park Drive from a two-lane arterial to a four-lane (undivided or divided) arterial.

With this improvement, this impact would be **less than significant**.

The Cumulative analysis includes planned roadway improvements, growth consistent with the 2004 General Plan, and approved and reasonably foreseeable projects within the study area. This is found to be an impact in the Cumulative scenario without the project, which includes other foreseeable but unapproved projects. Therefore, the project is responsible for its proportional share of the proposed mitigation under Cumulative conditions. Since the impact is identified under the Cumulative scenario, the timing of the improvement is a function of the rate of population and employment growth. The County's traffic impact mitigation fee program provides a mechanism for collecting fair share contributions for improvements in the 2016 CIP.

Therefore, appropriate mitigation, as determined by the CDA, would include payment of traffic impact mitigation fees to satisfy the project's fair share obligation towards this improvement or construction of the improvement with reimbursement or fee credit for costs that exceed the project's proportional share if the improvement is needed but not included in future updates to the CIP or constructed by others.

With this improvement, this impact would be **less than significant**.

TABLE 19: PEAK HOUR LEVEL OF SERVICE - CUMULATIVE PLUS PROJECT (MITIGATED) CONDITIONS (ROADWAY)

Roadway	Segment	Facility Type	Cumulative No Project Volume / Volume-Capacity (V/C) Ratio / LOS		Cumulative Plus Project Volume / Volume-Capacity (V/C) Ratio / LOS		Cumulative Plus Project (Mitigated) Volume / Volume-Capacity (V/C) Ratio / LOS	
			AM	PM	AM	PM	AM	PM
Cameron Park Drive	Oxford Rd to Hacienda Dr	2 lane arterial	1,400 / 0.85 / D	**1,850 / 1.12 / F**	1,400 / 0.85 / F	***1,860 / 1.13 / F***	-	
		4 lane arterial (Undivided)	-				1,400 / 0.45 / C[1]	1,860 / 0.59 / D
		4 lane arterial (Divided)	-				1,400 / 0.43 / C[1]	1,860 / 0.57 / D

Notes: [1]LOS at this location is C or better
Volume-to-Capacity ratio and LOS is based on the *Highway Capacity Manual* (Transportation Research Board, 2010) peak hour level of service thresholds
Bold text indicates LOS worse than established threshold. *Italic* and underlined text identifies a potential impact.
Source: Fehr & Peers, 2017

7.2.3 Pedestrian and Bicycle Facilities

Impact 13 - Implementation of the proposed project will increase demand for pedestrian and bicycle facilities. As outlined in Section 6.3, the project proposes pedestrian and bicycle facilities that will connect and integrate with existing and planned facilities adjacent to the project. In addition, elements of the proposed project will provide new recreational opportunities. Therefore, the proposed project will not conflict with adopted policies, plans, or programs regarding bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities. **This is a less than significant impact.**

Mitigation 13 - No mitigation required

7.2.4 Transit

Impact 14 - Implementation of the proposed project will increase demand transit. As outlined in Section 6.4, the project could result in demand of about 2,100 transit commute trips annually, which would be an average of about 9 commute trips per workday. This increase represents about a five percent increase in El Dorado Transit Commuter Service. The growth in commute trips would not likely exceed the ability to serve this ridership growth through existing funding sources for transit that are tied to population growth. However, most of the boardings for the El Dorado Transit Commuter Service at the El Dorado Hills park-n-ride lot are from El Dorado Hills residents. Consequently this increase in commuter trips will increase demand for the El Dorado Hills and Cameron Park park-n-ride lot, which operate at or near capacity. **This is a significant impact.**

Mitigation 14 - The project applicant should make an in-lieu payment towards the planned Bass Lake Hills Multi-modal Facility if it is constructed at the time demand for the lot is created by development in the proposed project. Implementation of this measure would reduce this impact to a **less than significant level**.

7.2.5 Emergency Access

Impact 15 - The proposed project will provide two points of access from the US 50/Bass Lake Road interchange and emergence vehicle access at Amber Fields Road and Shingle Lime Mine Road. This is a **less than significant impact**.

Mitigation 15 - No mitigation required

8. Other Considerations

8.1.1 Site Access

Under near-term condition, access to Lime Rock Valley would be through the US 50/Bass Lake Road interchange. The proposed circulation for the Lime Rock Valley Specific Plan under Cumulative conditions is shown to the right. US 50 access will be through the US 50/Bass Lake Road and US 50/Cambridge Road interchanges by way of Lime Rock Valley Road and Marble Lake Boulevard (in the Marble Valley Specific Plan). Lime Rock Valley Road is planned as a two-lane roadway.

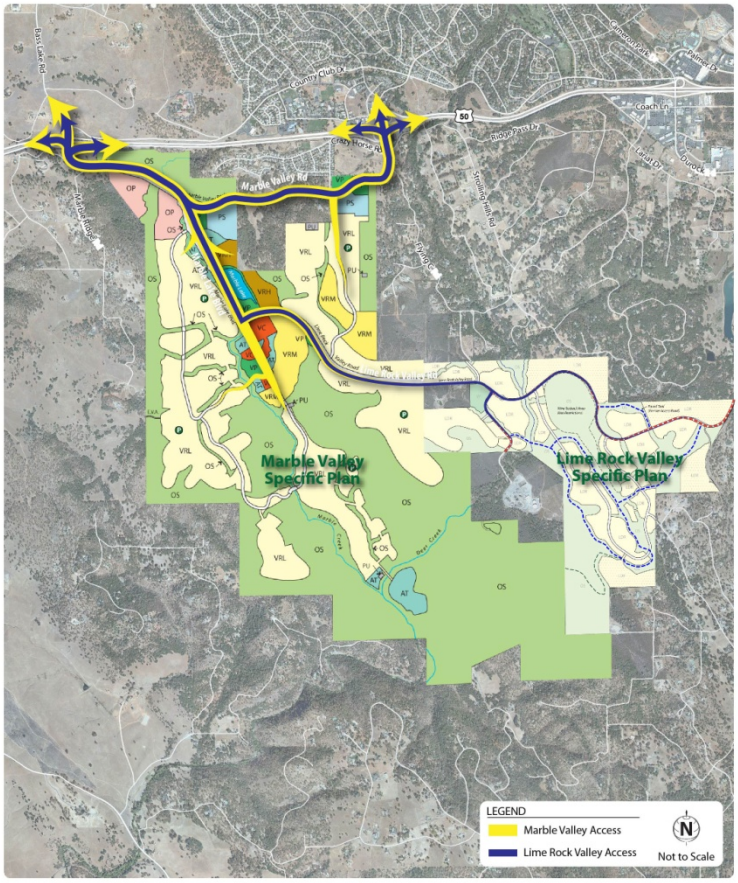


Figure 13 shows the proposed intersection layout and lane assumptions for Marble Lake Boulevard and Lime Rock Valley Road necessary to support the both the Lime Rock Valley Specific Plan and the proposed Village of Marble Valley. The following summarizes the key design features of the proposed intersections:

- Intersection 1- A two-lane roundabout with a northbound-to-eastbound right-turn bypass lane.
- Intersection 2 - A two-lane roundabout with a southbound-to-westbound right-turn bypass lane.
- Intersection 3 - A couplet intersection with one northbound and one southbound lane on Marble Lake Boulevard (uncontrolled) and stop controls at all of the minor movements (eastbound and westbound).
- Intersection 4 - A two-lane roundabout with a westbound-to-northbound right-turn bypass lane.
- Intersection 5 - A single lane roundabout.

Marble Lake Boulevard would be four lanes from US 50 to just south of Intersection 2. As shown in Table 20, the study intersections would operate acceptably with the proposed lane configurations. Detailed input assumptions and analysis results are included in Appendix A.

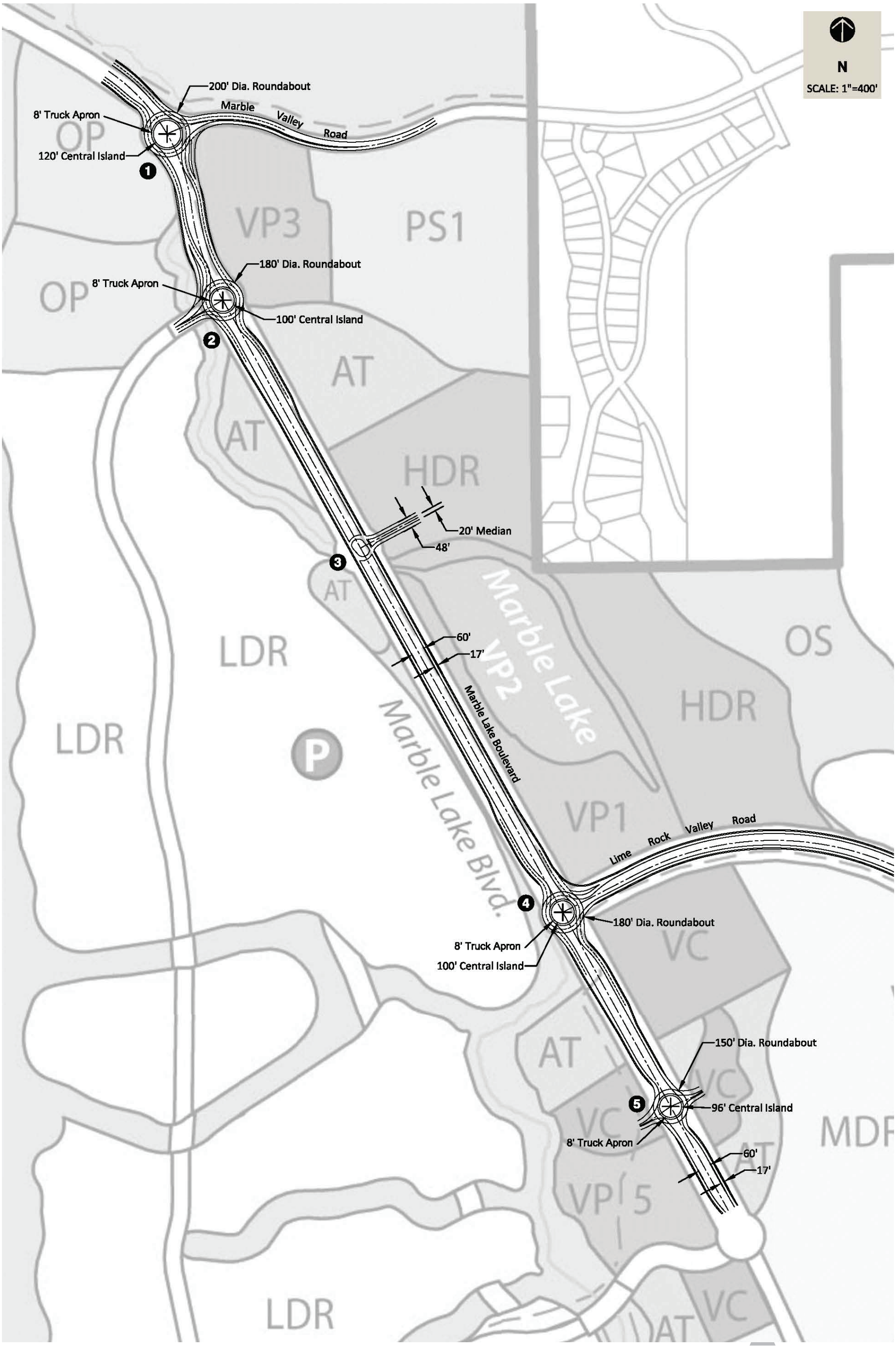


Figure 13.

Marble Lake

TABLE 20: PEAK HOUR LEVEL OF SERVICE - CUMULATIVE CONDITIONS (ON-SITE INTERSECTIONS)

Intersection	LOS Target	Traffic Control	LOS / Delay (seconds)	
			AM	PM
1. Marble Lake Boulevard (Intersection 1)	D	Roundabout	C / 17	D / 27
2. Marble Lake Boulevard (Intersection 2)	D	Roundabout	D / 32	B / 10
3. Marble Lake Boulevard (Intersection 3)	D	SSSC	D / 34	D / 30
4. Marble Lake Boulevard/Lime Rock Valley Road (Intersection 4)	D	Roundabout	C / 22	B / 13
5. Marble Lake Boulevard (Intersection 5)	D	Roundabout	A / 9	A / 9

Notes: SSSC = side-street stop-control, AWSC = all-way stop control
The average delay is measured in seconds per vehicle. For signalized and AWSC intersections, the delay shown is the average control delay for the overall intersection. For Roundabout and SSSC intersections, the LOS and control delay for the worst movement is shown. Intersection LOS and delay is calculated based on the procedures and methodology contained in the *Highway Capacity Manual* (Transportation Research Board, 2000). Intersections 1-14, and 17-18 are analyzed in Synchro 7. Intersections 15-16 are analyzed in SimTraffic.
Source: Fehr & Peers, 2014.

8.1.2 Peak Hour Traffic Signal Warrant Evaluation

An evaluation of the need for traffic signal installation was conducted using the peak hour traffic signal warrant methodologies from the *California Manual on Uniform Traffic Control Devices*, (Caltrans, 2012). Table 21 and Table 22 display the results of the peak hour volume warrant for Existing and Cumulative conditions, respectively. Under Existing and Existing Plus Project conditions, all the intersections evaluated would satisfy the peak hour signal warrant during at least one peak hour except for the Cambridge Road/Country Club Drive and Cambridge Road/Knollwood Drive intersections. Under Cumulative conditions, all intersections evaluated would satisfy the peak hour volume warrant.

TABLE 21: PEAK HOUR SIGNAL WARRANT EVALUATION - EXISTING PLUS PROJECT CONDITIONS

Unsignalized Intersections	Peak Hour Signal Warrant Met[1]			
	Existing		Existing Plus Project	
	AM	PM	AM	PM
Bass Lake Road / Serrano Parkway	No	No	Yes	No
Bass Lake Road / Country Club Drive	Yes	No	Yes	No
Bass Lake Road / US 50 WB Ramps	No	No	Yes	Yes
Bass Lake Road / US 50 EB Ramps	No	No	No	Yes
Cambridge Road / Country Club Drive	No	No	No	No
Cambridge Road / Knollwood Drive	No	No	No	No

TABLE 21: PEAK HOUR SIGNAL WARRANT EVALUATION - EXISTING PLUS PROJECT CONDITIONS

Unsignalized Intersections	Peak Hour Signal Warrant Met[1]			
	Existing		Existing Plus Project	
	AM	PM	AM	PM
Cambridge Road / US 50 EB Ramps	No	Yes	No	Yes

Note: [1]Based on the Peak Hour Volume warrant (for urban areas) contained in the *California Manual on Uniform Traffic Control Devices* (Caltrans, 2012).
Source: Fehr & Peers, 2014.

TABLE 22: PEAK HOUR SIGNAL WARRANT EVALUATION - CUMULATIVE PLUS PROJECT CONDITIONS

Unsignalized Intersections	Peak Hour Signal Warrant Met[1]			
	Cumulative No Project		Cumulative Plus Project	
	AM	PM	AM	PM
Bass Lake Road / Serrano Parkway	Yes	Yes	Yes	Yes
Bass Lake Road / Hollow Oak Drive	Yes	Yes	Yes	Yes
Bass Lake Road / Country Club Drive	Yes	Yes	Yes	Yes
Bass Lake Road / US 50 WB Ramps	Signalized intersection under Cumulative conditions			
Bass Lake Road / US 50 EB Ramps	Signalized intersection under Cumulative conditions			
Cambridge Road / Country Club Drive	No	Yes	No	Yes
Cambridge Road / Knollwood Drive	Yes	Yes	Yes	Yes
Cambridge Road / US 50 EB Ramps	Signalized intersection under Cumulative conditions			

Note: [1]Based on the Peak Hour Volume warrant (for urban areas) contained in the *California Manual on Uniform Traffic Control Devices* (Caltrans, 2012).
Source: Fehr & Peers, 2014

This analysis is intended to examine the general correlation between the planned level of future development and the need to install new traffic signals. It estimates future development-generated traffic compared against a sub-set of the standard traffic signal warrants recommended in the *Federal Highway Administration Manual on Uniform Traffic Control Devices*. This analysis should not serve as the only basis for deciding whether and when to install a signal. To reach such a decision, the full set of warrants should be investigated based on field-measured, rather than forecast, traffic data and a thorough study of traffic and roadway conditions by an experienced engineer. Furthermore, the decision to install a signal should not be based solely upon the warrants, since the installation of signals can lead to certain types of collisions. El Dorado County should undertake regular monitoring of actual traffic conditions and accident data, and timely re-evaluation of the full set of warrants in order to prioritize and program intersections for signalization.

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TECHNICAL MEMORANDUM

Date: April 30, 2021

To: Amy Wolfe – G3 Enterprises, Inc

From: David B. Robinson – Fehr & Peers

Subject: Lime Rock Valley Specific Plan VMT Analysis RS12-3029

This memorandum presents vehicle miles traveled (VMT) analysis of the proposed Lime Rock Valley Specific Plan (LRVSP).

With the implementation of Senate Bill (SB) 743, local agencies such as El Dorado County may no longer rely on vehicular delay or capacity-based analyses for California Environmental Quality Act (CEQA) impact determination. Instead, agencies must analyze transportation impacts utilizing VMT, a measure of the total distance traveled by vehicles for trips beginning or ending in the County on a typical weekday. This memorandum covers the following topics:

- SB 743
- VMT Thresholds of Significance
- VMT Estimation Methodology
- Project Summary
- VMT for Lime Rock Valley Specific Plan

SB 743

Passed in 2013, SB 743 changes the focus of transportation impact analysis in CEQA from measuring impacts to drivers, to measuring the impact of driving. The change is being made by replacing LOS with vehicle miles of travel (VMT). This shift in transportation impact focus is intended to better align transportation impact analysis and mitigation outcomes with the State's goals to reduce greenhouse gas (GHG) emissions, encourage infill development, and improve public health through more active transportation. Level of service or other delay metrics may still be used to evaluate the impact of projects on drivers as part of land use entitlement review and impact fee programs.

In January 2019, the Natural Resources Agency finalized updates to the CEQA Guidelines including the incorporation of SB 743 modifications. The Guidelines' changes were approved by the Office of

Administrative Law and are now in effect. Specific to SB 743, Section 15064.3(c) states, "A lead agency may elect to be governed by the provisions of this section immediately. The provisions apply statewide as of July 1, 2020.

To help aid lead agencies with SB 743 implementation, the Governor's Office of Planning and Research (OPR) produced the *Technical Advisory on Evaluating Transportation Impacts in CEQA*[1] (December 2018) that provides guidance about the variety of implementation questions they face with respect to shifting to a VMT metric. Key guidance from this document includes:

- VMT is the most appropriate metric to evaluate a project's transportation impact.
- OPR recommends tour- and trip-based travel models to estimate VMT, but ultimately defers to local agencies to determine the appropriate tools.
- OPR recommends measuring VMT for residential and office projects on a "per rate" basis.
- OPR recommends that a per capita or per employee VMT that is fifteen percent below that of existing development may be a reasonable threshold. In other words, an office project that generates VMT per employee that is more than 85 percent of the regional VMT per employee could result in a significant impact. OPR notes that this threshold is supported by evidence that connects this level of reduction to the State's emissions goals.
- OPR recommends that where a project replaces existing VMT-generating land uses, if the replacement leads to a net overall decrease in VMT, the project would lead to a less-than-significant transportation impact. If the project leads to a net overall increase in VMT, then the thresholds described above should apply.
- Lead agencies have the discretion to set or apply their own significance thresholds.

VMT Thresholds of Significance

In 2019, the El Dorado County Transportation Commission completed the *El Dorado County and City of Placerville SB 743 Implementation Plan*[2] (July 19, 2019) to support El Dorado County and the City of Placerville with implementation of SB 743, including the selection of VMT analysis methodology, setting thresholds of significance, and potential mitigation.

[1] Governor's Office of Planning and Research. *Technical Advisory on Evaluating Transportation Impacts in CEQA*. December 2018. https://opr.ca.gov/docs/20190122-743_Technical_Advisory.pdf

[2] El Dorado County Transportation Commission. *El Dorado County and City of Placerville SB 743 Implementation Plan.* July 19, 2019. https://www.edcgov.us/Government/dot/Documents/Transportation%20Planning/EDCTC%20SB743%20Implementation%20Plan.pdf

With Resolution 141-2020[3] (October 6, 2020), the Board of Supervisors of the County of El Dorado adopted VMT thresholds of significance for purposes of analyzing transportation impacts under CEQA.

The County's VMT thresholds consider the VMT performance of residential and office components of a project separately, using the efficiency metrics of VMT per capita and VMT per employee, respectively. For retail components of a project, the county-wide VMT effect is analyzed. The El Dorado County VMT thresholds of significance are summarized below for each of these components:

- Residential – 15% below baseline unincorporated countywide VMT per Capita
- Commercial Office – 15% below baseline unincorporated countywide VMT per Employee
- Commercial Retail – No net increase in VMT

VMT Estimation Methodology

Consistent with Resolution 141-2020, VMT estimation was conducted using the El Dorado County Travel Demand Forecasting Model (EDCTDM). The VMT estimation process generates estimates in a manner that is consistent with OPRs Technical Advisory and the selected VMT significance thresholds outlined above.

The following section from the Technical Advisory suggests that lead agencies should use VMT estimation methodologies that account for the "full extent of vehicle travel".

> **Considerations for All Projects**. Lead agencies should not truncate any VMT analysis because of jurisdictional or other boundaries, for example, by failing to count the portion of a trip that falls outside the jurisdiction or by discounting the VMT from a trip that crosses a jurisdictional boundary. CEQA requires environmental analyses to reflect a "good faith effort at full disclosure." (CEQA Guidelines, § 15151.) Thus, where methodologies exist that can estimate the full extent of vehicle travel from a project, the lead agency should apply them to do so. Where those VMT effects will grow over time, analyses should consider both a project's short-term and long-term effects on VMT.

To provide a full accounting of vehicle travel, the EDCTDM provides VMT estimates that include the VMT from intrazonal vehicle trips and trip length adjustments for the trips that enter or exit the area covered by the EDCTDM.

Intrazonal Trips and Trip Lengths

The VMT estimation process includes intrazonal trips in its estimates. Intrazonal trips are trips that have their origin and destination within the same traffic analysis zone (TAZ). Because these trips do not leave a TAZ, they are not assigned to the EDCTDM's roadway network. Consequently, intrazonal trips cannot be

[3] Board of Supervisors of the County of El Dorado Resolution 141-2020. https://www.edcgov.us/Government/dot/Documents/Transportation%20Planning/Executed%20Resolution%20141-2020.pdf

directly derived from the EDCTDM's network and must be estimated to provide a more complete VMT analysis. The intrazonal trip lengths are estimated by calculating half of the shortest travel distance between a given TAZ and all the other TAZs, using the EDCTDM's midday assignment. The EDCTDM uses the following four assignment periods to develop a 24-hour travel assignment:

- AM3VS.NET – AM 3-Hour Assignment
- MDVS.NET – Midday 5-Hour Assignment
- P3V.NET – PM 3-Hour Assignment
- EVV.NET – Evening 13-Hour Assignment

The different assignment periods are used to account for the affect that congestion has on accessibility (i.e., the ability to travel between two locations). It typically takes longer to travel the same distance during peak periods than it does during other times of the day. The midday 5-hour assignment period is used to calculate intrazonal travel because there is generally less traffic and less congestion (i.e., compared to the AM or PM peak periods) and is more representative of average daily conditions.

Gateway Trip Length Adjustments

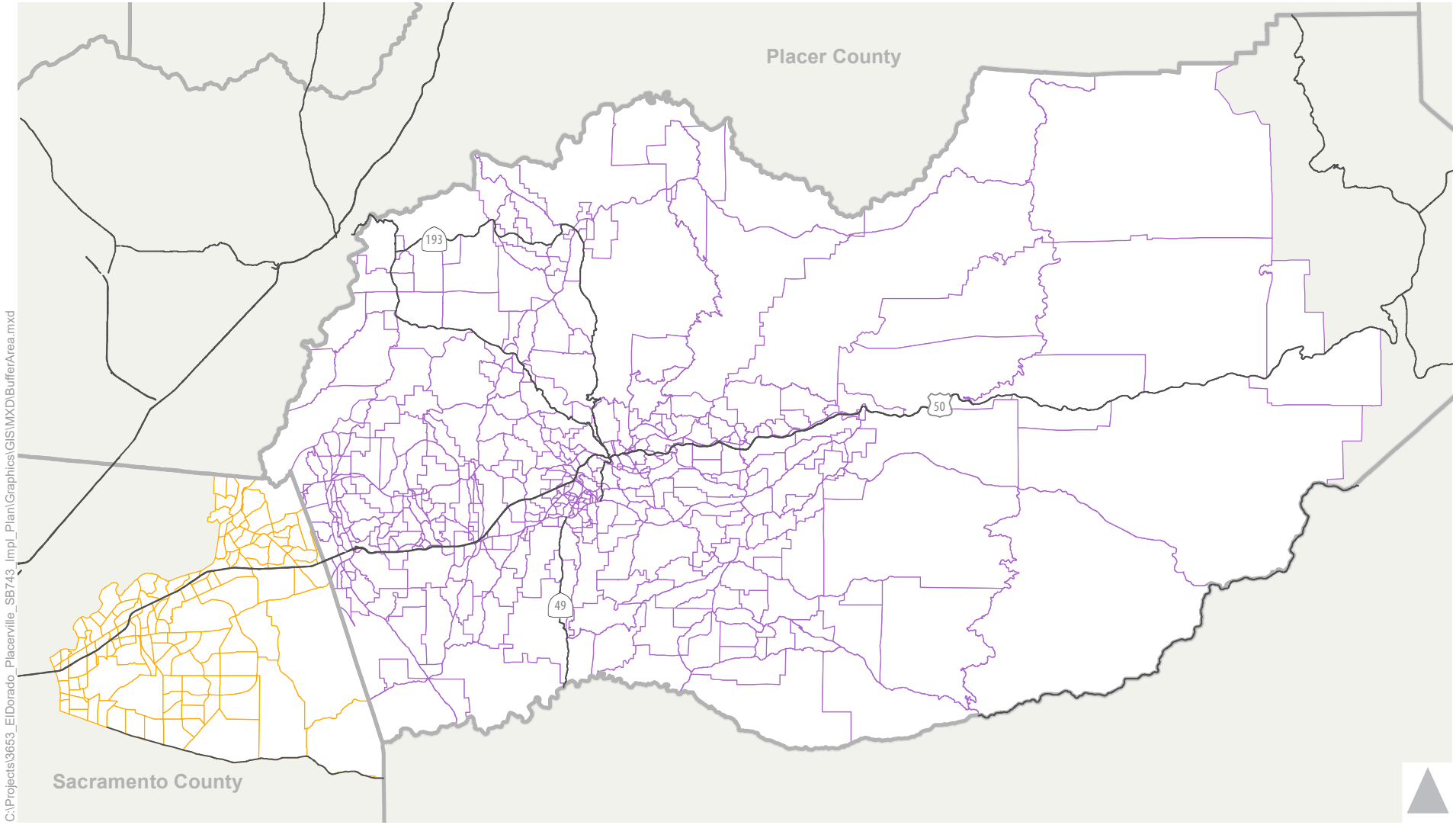
The EDCTDM includes a buffer area that extends along Highway 50 from El Dorado County into eastern Sacramento County, including the City of Folsom and City of Rancho Cordova. **Figure 1** shows the model area, including the TAZs that represent El Dorado County (purple), the buffer area (yellow), and the state highway system. The buffer area allows for more detailed modeling of travel interaction between El Dorado County and eastern Sacramento County. However, even with the buffer area, adjustments to the length of trips passing through the EDCTDM's gateway locations are necessary to account for the full length of trips throughout California.

Table 1 summarizes the average trip lengths for trips entering (XI) and exiting (IX) the EDCTDM developed using the California Statewide Travel Demand Model (CSTDM). Although not as detailed a the EDCTDM, the CSTDM can summarize the general patterns of trips made by El Dorado County residents and employees entering and leaving the County throughout California. The CSTDM scale makes it a useful tool to generate trip length estimates for trips entering or leaving the EDCTDM coverage area.

Because of the sample size limitations with the California Household Travel Survey (CHTS) data (i.e., only 163 recorded trips), trip length adjustments from the CSTDM are used. The average additional travel distance from the CSTDM shown in **Table 1** indicate the additional lengths added to the trips that pass through the EDCTDM's gateway locations.

Table 1: Average Trip Length Adjustments for Each Gateway Location				
			Average Additional Travel Distance (miles)	
Gateway Location	Direction	Gateway Node ID	Internal to External (IX) Trips	External to Internal (XI) Trips
US 50	West	650	12.41	13.08
Dillard Road	South	651	4.11	3.96
Sloughhouse Road	South	652	0.00	0.00
Grant Line Rd/Sunrise Boulevard	South	653	31.33	20.39
Excelsior Road	South	654	11.07	10.38
Bradshaw Road	South	655	11.32	8.80
Mayhew Road	South	656	0.00	0.00
Jackson Road (SR 16)	West	657	6.91	6.40
Local Access between Bradshaw Road and Excelsior Road	South	658	0.00	0.00
Eagles Nest Road	South	659	0.00	0.00
Folsom Boulevard	West	660	7.73	7.19
Kiefer Boulevard	West	661	8.88	8.54
Sunrise Boulevard	North	662	5.47	6.14
Hazel Avenue	North	663	8.16	5.41
Folsom Auburn Road	North	664	10.17	12.66
Greenback Lane	West	665	5.43	5.17
Oak Avenue	West	666	6.97	7.44
SR 49	South	667	0.00	0.00
Jackson Road/Latrobe Road/SR 49/Omo Ranch Road	South	668	15.96	14.21
Jackson Road	South	669	0.00	0.00
Latrobe Road	South	670	0.00	0.00
SR 49	North	671	18.61	16.28
SR 88	East	672	0.00	0.00
N. South Rd	South	673	3.73	3.82
US 50	East	674	19.21	18.38

Notes:
Internal to External (IX) trips are trips that begin inside the El Dorado County model area and end outside.
External to Internal (XI) trips are trips that begin outside the El Dorado County model area and end inside.
Source: California Statewide Travel Demand Model



Traffic Analysis Zones (TAZs)

TAZs within the County

Buffer Area

Regional Centerlines

SACOG Counties

Figure 1

El Dorado County Model (2018)

Traffic Analysis Zones within El Dorado County and the Buffer Area

Model-wide Network Refinements

The EDCTDM is a countywide model developed and maintained by the County for traffic analysis related to the General Plan and Traffic Impact Fee Program. Consistent with these applications, the model includes major transportation facilities, including County arterials like El Dorado Hills Boulevard and State facilities like US 50, and a TAZ system that is at a corresponding level of detail. The EDCTDM does not include local and collector roadways. Therefore, the EDCTDM may require refinement for different applications.

The 2017 California Regional Transportation Plan Guidelines (CTC, January 2017) provides guidance on the application of travel demand models. Specifically, that travel demand models should be at an appropriate scale relative to the analysis being conducted. Consistent with this guidance, additional roadway network and TAZ detail was added in El Dorado Hills north of US 50, south of Green Valley Road, east of Sophia Parkway, and west of El Dorado Hills Boulevard to better reflect actual travel time and distance between El Dorado Hills and the City of Folsom. **Figure 2** compares the traffic analysis zone and roadway network detail with and without modification.

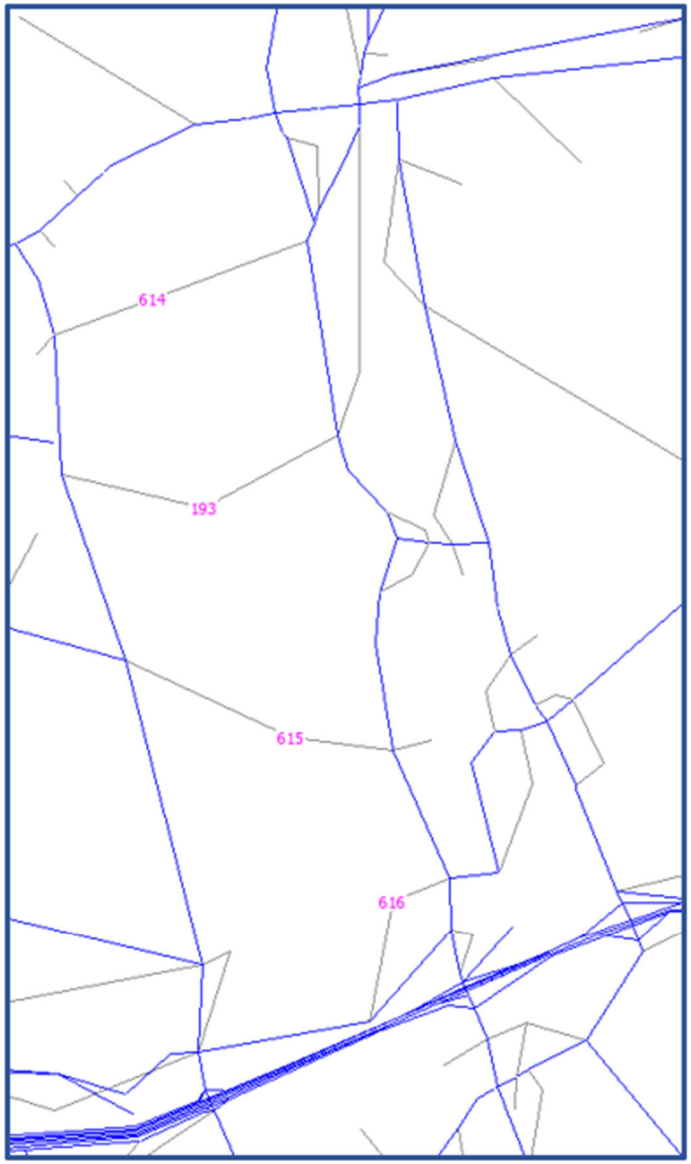
Without modification, the EDCTDM uses 4 TAZs to represent most of the land use in this area with local roadway access modeled using special model links, referred to as TAZ centroid connectors. TAZ centroid connectors provide access for the local development but not for other trips on the network. With this roadway network coding trip lengths are shorter for the land uses represented by the 4 TAZs.

The modified network increased the TAZ detail from 4 to 22 and added roadway links, instead of TAZ centroid connectors, for local access between El Dorado Hills and the City of Folsom in this area. The following public roadway connections were added between El Dorado Hills Boulevard and Sophia Parkway/Empire Ranch Road:

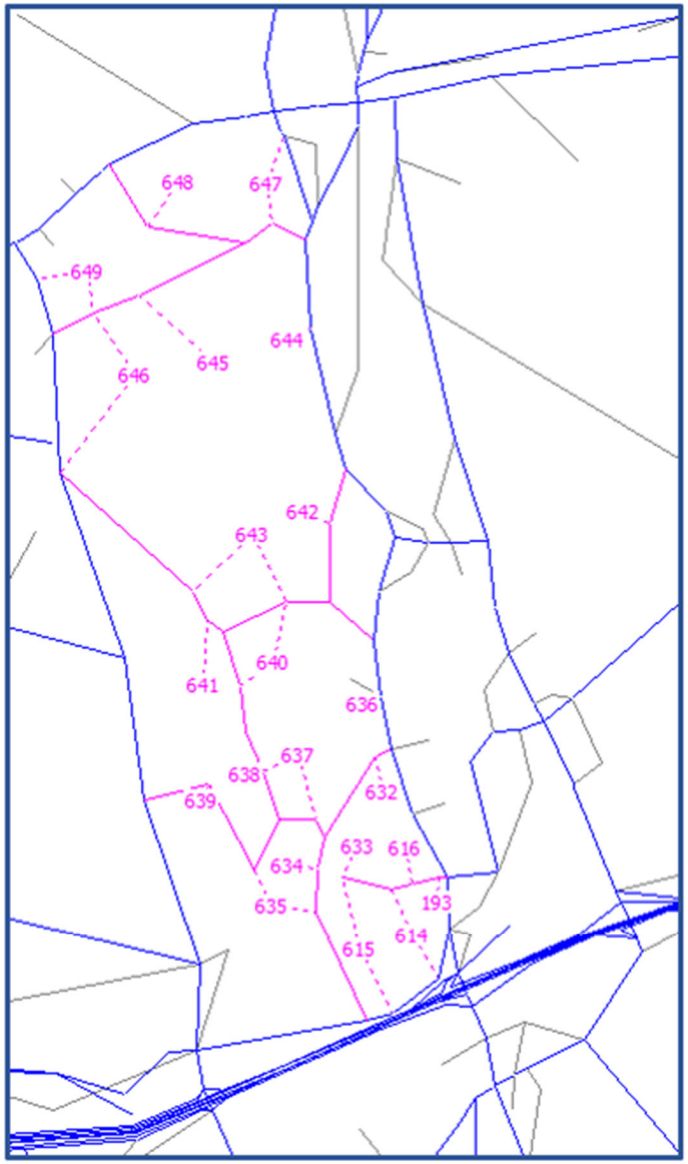
- North Connection: Brittany Way – Suffolk Way – Elmores Way
- North Central Connection: Olson Lane – Gillette Drive – Ridgeview Drive – Muse Drive – Mossridge Way – Powers Drive – Julie Ann Way – Beatty Drive – Alexandra Drive
- South Central Connection: Wilson Boulevard –Ridgeview Drive – Powers Drive – Montridge Way – Crestline Circle – Via Treviso – Via Barlogio – Hildebrand Circle – Woodhead Street
- South Connection: Wilson Boulevard (El Dorado Hills Boulevard to Saratoga Way)

Figure 2 – EDCTDM Model-Wide Network Refinements

Without Modification



With Modification



FEHR PEERS

Table 2 compares the estimated travel time from the EDCTDM after modification to field measured travel times. As shown, the model's estimated travel time is consistent with and comparable to field measurements. Therefore, the model is more representative of actual travel times and distance than the EDCTDM prior to modification since the model did not include these connections.

Table 2: Travel Time Comparison (Model Estimate vs Field Measurement)			
	Travel Time (minutes)		
Added Roadway Connection	Model Estimate	Field Measurement	Difference (Model – Field)
North	3.3	3.0	+0.3
North Central	5.2	5.1	+0.1
South Central	4.4	4.7	-0.3
South	2.5	2.7	-0.2

The TAZ and roadway network modifications shown in **Figure 2** were made to both the Base Year (2018) and Cumulative Year (2040) EDCTDMs. The modified models were used for the analysis of the proposed project to maintain analysis consistency.

Table 3 compares the VMT efficiency metrics for residential and commercial office land uses in unincorporated El Dorado County with and without the roadway network refinements outlined above and on **Figure 2**. As shown, the VMT efficiency metrics for both residential and commercial office land use increased with the network refinement. The direction and magnitude of the change is reasonable and in the correct direction relative to the network refinements made.

Table 3: VMT Efficiency Metrics with Network Refinements				
	VMT Efficiency Metrics (Unincorporated El Dorado County			
Land Use	Without Refinements	With Refinements	Difference	VMT Threshold (With Refinements)[1]
2018				
Residential	22.5	22.7	+0.2	19.3
Commercial Office	12.8	13.0	+0.2	11.1
2040				
Residential	16.9	17.1	+0.2	14.5
Commercial Office	11.7	12.0	+0.3	10.2

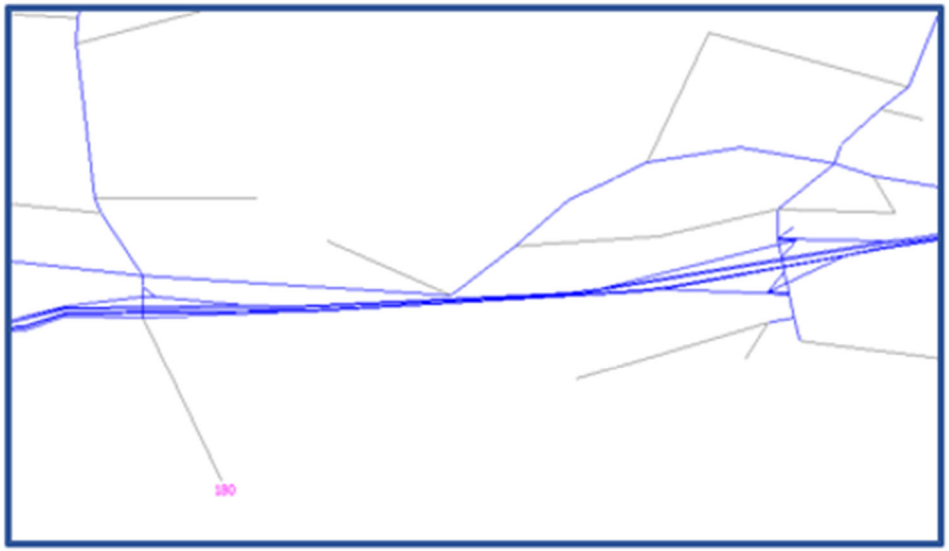
Notes:
[1]85% of Unincorporated El Dorado County VMT per Capita (Residential) and VMT per Employee (Commercial Office)

Study Area Network Refinements

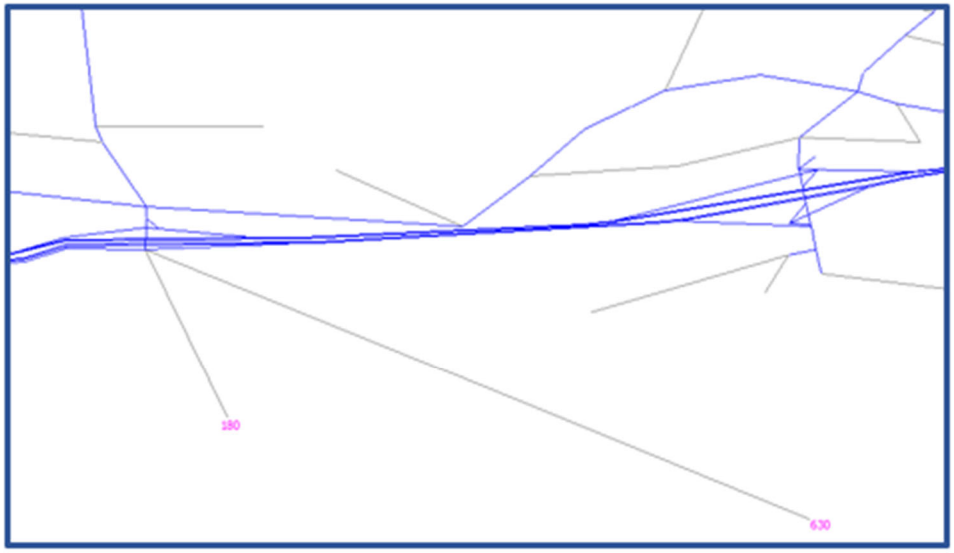
In addition to the model-wide network edits discussed above, the study area required refinement of the TAZ system to better reflect the project land use and geography. In the study area, the EDCTDM includes one TAZ that models the residential land use served by Marble Ridge Road and Marble Mountain Road (west of the LRVSP). One new TAZ was added in the LRVSP to represent residential land use. **Figure 3** shows the study area network with and without the network refinements.

Figure 3 – EDCTDM Study Area Network Refinements

Without Modification



With Modification



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The following steps outline the method we used to forecast VMT under existing and cumulative conditions:

- Existing Conditions (2018) – For existing conditions (i.e., baseline conditions), the base year model land use and transportation network were used to estimate baseline (2018) average VMT per capita and average VMT per employee for unincorporated El Dorado County.

  For existing plus project conditions, the project's land use was added to the modified model, increasing the base year population and employment. Project-generated average VMT per capita and VMT per employee were calculated.

- Cumulative Conditions (2040) – For cumulative conditions, the future year model was used to estimate cumulative (2040) average VMT per capita and average VMT per employee.

  For cumulative plus project conditions, the project's land use was added to the modified model, increasing the cumulative year population and employment. Project-generated average VMT per capita and VMT per employee were calculated.

VMT Calculation for Each TAZ

VMT is estimated using a three-step process. In the first step, travel distance between each pair of TAZs for using the loaded networks for the four model time periods (AM Peak Period, Midday Period, PM Peak Period, and Evening Period). Using the loaded network accounts for any increases in trip distance that may result from traffic congestion. In this process, the additional trip lengths associated with the model gateways are added to the trip length estimates. The distance of intrazonal trips is estimated as outlined above.

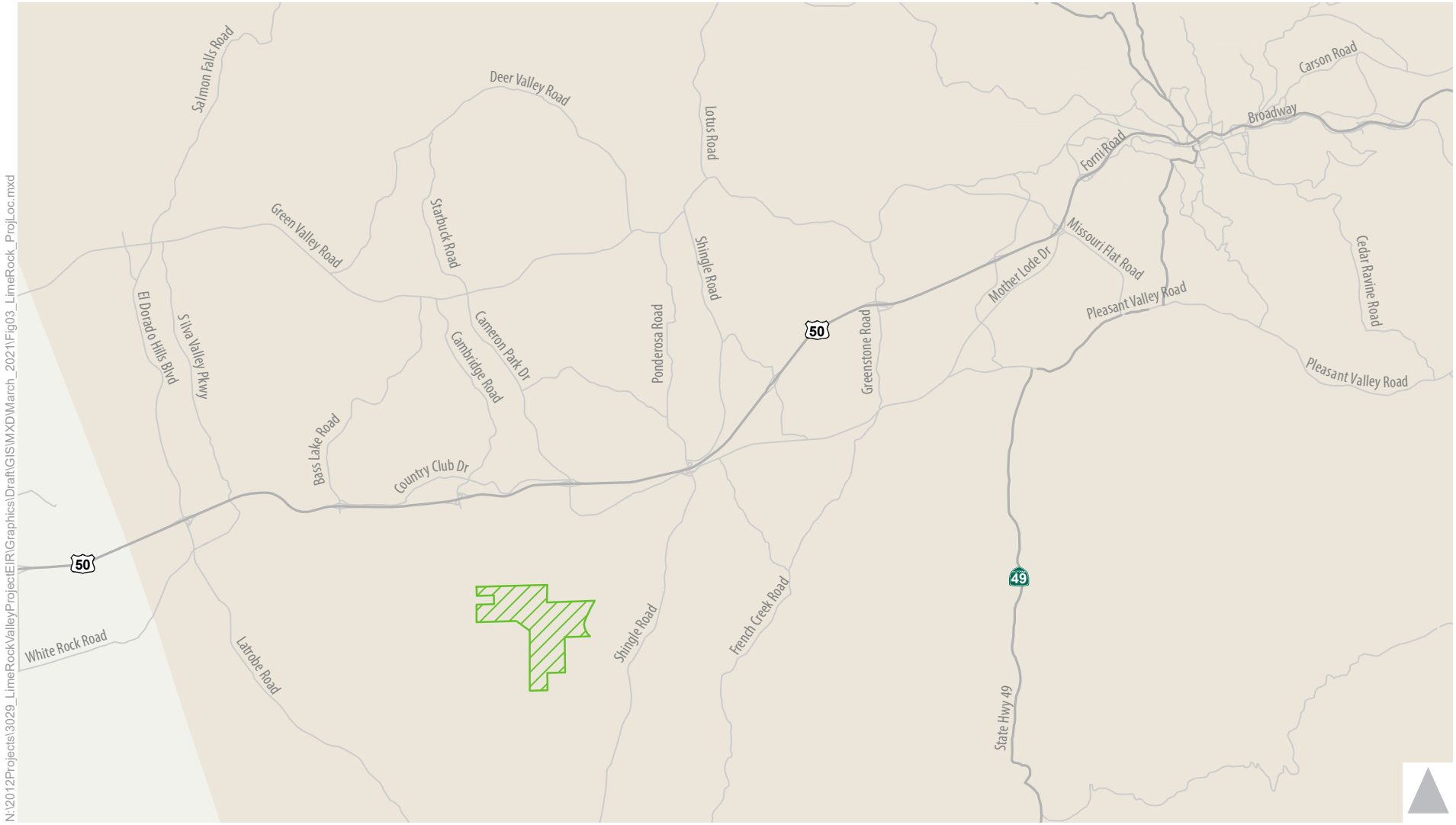
The second step of the process calculates the VMT for travel between each TAZ pair. The number of vehicle trips modeled between each TAZ pair is multiplied by the trip lengths to estimate the VMT associated with the travel between each TAZ pair for each time period. The VMT from the intrazonal trips is also included in the VMT estimates.

The third step estimates the home-based and home-based work VMT. These estimates are calculated by determining the percentage of vehicle productions and attractions by trip purpose and direction (departures and returns). These percentages are then applied to the total VMT estimates, to determine the VMT by trip purpose and direction. The home-based VMT summarizes VMT by the origin TAZ. The home-based work VMT summarizes VMT by the destination TAZ. The use of home-based and home-based work VMT allows independent analysis of residential and commercial project components.

Project Summary

Figure 4 shows the location of the project. As proposed, the project includes residential and park land use. **Table 4** summarizes the project's trip generating land uses.

Table 4: Lime Rock Valley Specific Plan Land Use			
Land Use			**Total**
Category		**Units**	
Residential	Single Family	Dwellings	800
Non-Residential	Village Park	Acres	8



Lime Rock Valley Specific Plan

El Dorado County

Figure 4

Project Location

VMT for Lime Rock Valley Specific Plan

Consistent with the County's VMT methodology, the residential land use is analyzed and summarized in **Table 5**.

As shown, under both base year and future year conditions, the VMT per Capita for the LRVSP exceeds the established residential threshold for residential land use by 45% and 48% under 2018 and 2040 conditions, respectively. The LRVSP is proposed in a sparsely populated area about 1.5 miles from the US 50/Bass Lake Road interchange, which contributes to the project's VMT.

Table 5: Lime Rock Valley Specific Plan's VMT – Residential Component				
Scenario	Analysis Geography	VMT	Total Population	VMT per Capita
2018 Baseline	Unincorporated El Dorado County	3,088,005	136,108	22.7
2018 Baseline Threshold (85% of Unincorporated El Dorado County Total Average VMT per Capita)				19.3
2018 Baseline Plus Project	Project Area	65,687	2,358	27.9
			VMT Threshold Exceeded?	**Yes**
2040 Baseline	Unincorporated El Dorado County	3,102,953	181,914	17.1
2040 Baseline Threshold (85% of Unincorporated El Dorado County Total Average VMT per Capita)				14.5
2040 Baseline Plus Project	Project Area	50,585	2,358	21.5
			VMT Threshold Exceeded?	**Yes**

The LRVSP is proposed east of the Village of Marble Valley Specific Plan (VMVSP) and will rely on VMVSP roadways for access. Therefore, we also evaluated the LRVSP VMT with the VMVSP. **Table 6** compares the VMT per Capita for LRVSP to the established residential threshold for residential land use, assuming that VMVSP is also developed. The combined projects' VMT per Capita is reported. Total VMT for LRVSP was estimated by multiplying the LRVSP population by the combined VMT per Capita. As shown, under both 2018 and 2040 conditions, the VMT per Capita for the LRVSP exceeds the established residential threshold for residential land use by 3% and 1% under 2018 and 2040 conditions, respectively, which is substantially better performance than the LRVSP in isolation.

The value presented in **Table 6** is for both projects combined. However, because LRVSP is farther from US 50 than VMVSP, its VMT per Capita is expected to be higher than VMVSP's VMT per Capita. Therefore, the VMT per Capita for LRVSP shown in **Table 6** may be higher but would be lower than the values in **Table 5**. The VMT calculations for all scenarios are included in **Attachment A**.

For the scenario that includes Marble Valley, the LRVSP's future year VMT per Capita is substantially smaller than the project's base year VMT per Capita. Under base year conditions, the area surrounding the proposed project is sparsely populated. Therefore, trips to/from the project would have to travel farther to reach their

destination. Under future year conditions, more development is planned near the project (e.g., Bass Lake Hills Specific Plan), which would reduce the length of trips to/from the project. Planned population and employment growth in these areas contributes to the reduction in the project's VMT per Capita from base year to future year conditions.

Table 6: Lime Rock Valley Specific Plan with Village of Marble Valley Specific Plan VMT – Residential Component				
Scenario	Analysis Geography	VMT	Total Population	VMT per Capita
2018 Baseline	Unincorporated El Dorado County	3,088,005	136,108	22.7
2018 Baseline Threshold (85% of Unincorporated El Dorado County Total Average VMT per Employee)				19.3
2018 Baseline Plus Project	Project Area	46,924	2,358	19.9
			VMT Threshold Exceeded?	**Yes**
2040 Baseline	Unincorporated El Dorado County	3,102,953	181,914	17.1
2040 Baseline Threshold (85% of Unincorporated El Dorado County Total Average VMT per Employee)				14.5
2040 Baseline Plus Project	Project Area	34,427	2,358	14.6
			VMT Threshold Exceeded?	**Yes**

Table 7 summarizes the LRVSP VMT per Capita with the VMVSP and a shift of 25,000 square feet of commercial offices land use to commercial retail land use. As shown, the 2018 VMT per Capita for the LRVSP would continue to exceed the established residential threshold by 3%. However, 2040 VMT per Capital would not exceed the established residential threshold.

Table 7: Lime Rock Valley Specific Plan with Village of Marble Valley Specific Plan VMT – Residential Component (With 25,000 Square Foot Commercial Office Shift to Commercial Retail in VMVSP)				
Scenario	Analysis Geography	VMT	Total Population	VMT per Capita
2018 Baseline	Unincorporated El Dorado County	3,088,005	136,108	22.7
2018 Baseline Threshold (85% of Unincorporated El Dorado County Total Average VMT per Employee)				19.3
2018 Baseline Plus Project	Project Area	46,924	2,358	19.9
			VMT Threshold Exceeded?	**Yes**
2040 Baseline	Unincorporated El Dorado County	3,102,953	181,914	17.1
2040 Baseline Threshold (85% of Unincorporated El Dorado County Total Average VMT per Employee)				14.5
2040 Baseline Plus Project	Project Area	34,191	2,358	14.5
			VMT Threshold Exceeded?	**No**

As shown, the project's VMT per Capita for the residential component would exceed the VMT threshold under existing and cumulative conditions. Therefore, the project's impact on VMT would be **significant**.

Mitigation

Mitigation is available to reduce the impact of the residential component of the project and includes the following three strategies:

- Land Use/Location – Increase diversity of land use by adding 22,000 square feet of commercial retail land use to the LRVSP. Mixing land use within a single development can decrease VMT by providing local options for residents so they do not need to drive, or drive as far, to meet all their needs.
- Neighborhood Site Enhancements – The LRVSP will provide a connected pedestrian/bicycle network within the development that will connect to nearby destinations.
- Commute Trip Reduction – Provide end-of-trip bicycle facilities (i.e., secure bicycle parking and public repair stations) at the commercial retail component of the project. These facilities will complement and enhance the effectiveness of the pedestrian/bicycle network that is part of the project.

An important consideration for the mitigation effectiveness is the scale for TDM strategy implementation. The biggest effects of TDM strategies on VMT derive from regional policies related to land use location efficiency and infrastructure investment that support transit, walking, and bicycling. While there are many measures that can influence VMT that relate to site design and building operations, they have smaller effects that are often dependent on final building tenants. In addition, the effectiveness of these strategies is also affected by the rural/suburban setting of development in El Dorado County. Also, disruptive trends, including, but not limited to, transportation network companies (TNCs), autonomous vehicles (AVs), internet shopping, micro-transit, changes in the share of people that work-from-home (i.e., due to COVID-19), and the proliferation of transportation-oriented ridesharing and carpooling applications may affect the future effectiveness of TDM strategies and travel behavior of LRVSP residents.

Table 8 summarizes the VMT analysis for the residential with the mitigation outlined above for the LRVSP with and without the VMVSP and a shift of 25,000 square feet of commercial offices land use to commercial retail land use.

As shown, implementation of the proposed mitigation would reduce VMT per Capita for the residential component.

Under 2018 conditions, VMT per Capita would decrease from 27.9 to 24.7 with the addition of 22,000 square feet of commercial retail (without the VMVSP) and the TDM strategies outlined above. The TDM strategies would reduce VMT per Capita by 0.25% (i.e., by 0.06 VMT per Capita). With the VMVSP and a shift of 25,000

square feet of commercial offices land use to commercial retail land use in the VMVSP, the VMT per Capita would reduce further to 19.7, within 2% of the 2018 threshold. The TDM strategies would reduce VMT per Capita by 0.25% (i.e., by 0.05 VMT per Capita).

Under 2040 conditions, VMT per Capita would decrease from 21.5 to 19.1 with the addition of 22,000 square feet of commercial retail (without the VMVSP) and the TDM strategies outlined above. The TDM strategies would reduce VMT per Capita by 0.25% (i.e., by 0.05 VMT per Capita). With the VMVSP and a shift of 25,000 square feet of commercial offices land use to commercial retail land use, the VMT per Capita would reduce further to 14.5, which would satisfy the 2040 threshold. The TDM strategies would reduce VMT per Capita by 0.25% (i.e., by 0.04 VMT per Capita).

Although the mitigation would reduce the project's VMT per Capita, VMT per Capita would continue to exceed the established threshold in the short term. Therefore, the impact would remain significant and unavoidable.

Table 8: Lime Rock Valley Specific Plan VMT – Residential Component (With Mitigation)						
Scenario	Analysis Geography	VMT	Total Population	VMT per Capita	VMT Threshold Exceeded	Percent of Threshold
2018 and 2040 Baseline Conditions						
2018 Baseline	Unincorporated El Dorado County	3,088,005	136,108	22.7	-	-
			2018 Baseline Threshold[1]	19.3	-	-
2040 Baseline	Unincorporated El Dorado County	3,102,953	181,914	17.1	-	-
			2040 Baseline Threshold[1]	14.5	-	-
Lime Rock Valley Specific Plan						
2018 Baseline Plus Project	Project Area	65,687	2,358	27.9	Yes	145%
2040 Baseline Plus Project	Project Area	50,585	2,358	21.5	Yes	148%
Lime Rock Valley Specific Plan With 22,000 Square Feet of Commercial Retail Plus TDM Strategies						
2018 Baseline Plus Project	Project Area	58,377	2,358	24.7	Yes	128%
2040 Baseline Plus Project	Project Area	45,090	2,358	19.1	Yes	131%
Lime Rock Valley Specific Plan with Marble Valley Specific Plan						
2018 Baseline Plus Project	Project Area	46,924	2,358	19.9	Yes	103%
2040 Baseline Plus Project	Project Area	34,427	2,358	14.6	Yes	101%
With 22,000 Square Feet of Commercial Retail in LRVSP Plus TDM Strategies -AND- Village of Marble Valley Specific Plan With 25,000 Square Feet of Commercial Office Shifted to Commercial Retail						
2018 Baseline Plus Project	Project Area	46,453	2,358	19.7	Yes	102%
2040 Baseline Plus Project	Project Area	34,191	2,358	14.5	No	100%

[1]85% of Unincorporated El Dorado County Total Average VMT per Employee

Attachment A

2018 Baseline Scenario

VMT Summary by Jurisdiction - 2018 Baseline Scenario

	VMT Estimates			VMT Efficiency Metrics			Population Details				
Jurisdiction	Total OD VMT	Home-based PA VMT	Home-based Work PA VMT	Total VMT per Service Population	Home-based VMT per Capita	Home-based Work VMT per Employee	Total Households	Total Population	Total Employment	Total Service Population	Persons Per Household
City of Placerville	297,880	69,463	90,185	20.9	10.6	11.8	2,914	6,581	7,639	14,220	2.26
Unincorporated El Dorado County	3,697,567	3,088,005	428,483	21.9	22.7	13.0	55,055	136,108	33,076	169,184	2.47
			Threshold (85% of Unincorporated El Dorado County)		19.3	11.0					

VMT Summary by Jurisdiction - 2018 Baseline Scenario

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
1.00	Unincorporated El Dorado County (Remainder Area)	0	4,166	2,626	327	46	75	16	91	46.0
2.00	Unincorporated El Dorado County (Remainder Area)	0	23,118	32,047	463	525	1,185	34	1,219	19.0
3.00	Unincorporated El Dorado County (Remainder Area)	0	2,949	3,745	42	34	88	0	88	33.6
4.00	Unincorporated El Dorado County (Remainder Area)	0	1,536	1,540	52	16	34	2	36	43.0
5.00	Unincorporated El Dorado County (Remainder Area)	0	2,866	4,046	27	33	73	0	73	39.5
6.00	Unincorporated El Dorado County (Remainder Area)	0	12,336	15,861	354	270	646	9	655	18.8
7.00	Unincorporated El Dorado County (Remainder Area)	0	25,856	33,452	993	516	1,119	71	1,190	21.7
8.00	Unincorporated El Dorado County (Remainder Area)	0	2,718	792	751	14	36	60	96	28.3
9.00	Unincorporated El Dorado County (Remainder Area)	0	28,499	33,395	1,708	482	1,240	117	1,357	21.0
10.00	Outside of County	0	0	0	0	0	0	0	0	-
11.00	Outside of County	0	0	0	0	0	0	0	0	-
12.00	Outside of County	0	39,353	30,977	1,872	663	1,741	96	1,837	21.4
13.00	Outside of County	0	31,126	35,939	676	775	1,995	0	1,995	15.6
14.00	Outside of County	0	64,157	72,184	1,543	1,502	4,068	32	4,100	15.6
15.00	Outside of County	0	497	523	10	10	23	0	23	22.1
16.00	Outside of County	0	56,270	8,955	7,530	149	378	434	812	69.3
17.00	Outside of County	0	0	0	0	0	0	0	0	-
18.00	Outside of County	0	1,564	620	67	41	116	0	116	13.5
19.00	Outside of County	0	0	0	0	0	0	0	0	-
20.00	Outside of County	0	219	18	118	1	1	5	6	36.5
21.00	Outside of County	0	5,220	50	2,538	1	2	112	114	45.8
22.00	Outside of County	0	2,239	269	579	2	6	23	29	77.2
23.00	Outside of County	0	58,930	23,741	6,314	101	273	244	517	114.1
24.00	Outside of County	0	48	30	1	1	1	0	1	47.5
25.00	Outside of County	0	0	0	0	0	0	0	0	-
26.00	Outside of County	0	0	0	0	0	0	0	0	-
27.00	Outside of County	0	1,320	266	500	2	6	22	28	47.1
28.00	Outside of County	0	12,524	14,738	377	123	332	6	338	37.0
29.00	Outside of County	0	7,845	9,174	242	72	192	5	197	39.8
30.00	Outside of County	0	6,050	0	3,192	0	0	133	133	45.5
31.00	Outside of County	0	5,557	4,119	1,039	44	94	45	139	39.9
32.00	Outside of County	0	24,953	6,831	622	676	1,526	0	1,526	16.3
33.00	Outside of County	0	0	0	0	0	0	0	0	-
34.00	Outside of County	0	8,755	9,498	584	75	191	16	207	42.3
35.00	Outside of County	0	0	0	0	0	0	0	0	-
36.00	Outside of County	0	0	0	0	0	0	0	0	-
37.00	Outside of County	0	5,042	0	2,670	0	0	178	178	28.3
38.00	Outside of County	0	0	0	0	0	0	0	0	-
39.00	Outside of County	0	24,310	22,457	3,316	666	1,569	227	1,796	13.5
40.00	Outside of County	0	112,464	25,842	18,883	916	2,079	1,839	3,918	28.7
41.00	Outside of County	0	30,906	26,574	3,958	544	1,271	203	1,474	21.0
42.00	Outside of County	0	0	0	0	0	0	0	0	-
43.00	Outside of County	0	53,527	63,304	1,203	828	2,045	0	2,045	26.2
44.00	Outside of County	0	79,459	76,876	3,256	1,069	2,614	95	2,709	29.3
45.00	Outside of County	0	101,352	24,241	14,670	906	2,057	1,357	3,414	29.7
46.00	Outside of County	0	0	0	0	0	0	0	0	-
47.00	Outside of County	0	100,800	0	42,751	0	0	2,398	2,398	42.0
48.00	Outside of County	0	71,735	71,936	3,413	1,203	3,068	121	3,189	22.5
49.00	Outside of County	0	152,679	0	78,101	0	0	4,642	4,642	32.9
50.00	Outside of County	0	120,870	85,622	19,287	1,025	2,430	826	3,256	37.1
51.00	Outside of County	0	127,937	69,592	18,217	1,768	4,253	1,237	5,490	23.3
52.00	Outside of County	0	45,479	25,262	4,454	297	667	240	907	50.1
53.00	Outside of County	0	113,884	87,730	8,465	1,335	3,452	377	3,829	29.7
54.00	Outside of County	0	93,497	36,350	38,701	476	1,153	1,827	2,980	31.4
55.00	Outside of County	0	82,632	38,237	12,452	675	1,583	800	2,383	34.7
56.00	Outside of County	0	34,972	40,102	993	820	1,933	4	1,937	18.1
57.00	Outside of County	0	162,092	0	113,336	0	0	7,375	7,375	22.0
58.00	Outside of County	0	43,751	24,397	6,802	465	1,160	388	1,548	28.3
59.00	Outside of County	0	426	110	173	2	4	9	13	32.7
60.00	Outside of County	0	205,449	17,434	103,017	238	478	4,236	4,714	43.6
61.00	Outside of County	0	277,015	193,125	22,414	2,205	5,227	797	6,024	46.0
62.00	Outside of County	0	55,666	318	26,745	4	8	1,150	1,158	48.1
63.00	Outside of County	0	114,425	18,521	51,559	340	756	3,083	3,839	29.8
64.00	Outside of County	0	79,435	60,433	11,462	865	2,156	560	2,716	29.2
65.00	Outside of County	0	10,503	11,624	218	136	338	0	338	31.1
66.00	Outside of County	0	62,374	51,041	4,282	826	1,950	172	2,122	29.4
67.00	Outside of County	0	10,409	0	2,797	0	0	178	178	58.5
68.00	Outside of County	0	55,078	32,867	11,777	616	1,314	679	1,993	27.6
69.00	Outside of County	0	143,872	90,934	38,058	1,588	4,122	2,320	6,442	22.3
70.00	Outside of County	0	210,170	801	126,672	0	0	6,956	6,956	30.2
71.00	Outside of County	0	107,548	111,353	4,863	1,231	3,088	121	3,209	33.5
72.00	Outside of County	0	247,277	358	132,064	0	0	5,133	5,133	48.2
73.00	Outside of County	0	122,122	0	80,001	0	0	5,627	5,627	21.7
74.00	Outside of County	0	176,117	21,981	81,378	435	1,022	4,728	5,750	30.6
75.00	Outside of County	0	106,895	77,981	27,259	1,936	4,401	1,866	6,267	17.1
76.00	Outside of County	0	42,176	23,721	5,013	508	1,352	297	1,649	25.6
77.00	Outside of County	0	160,532	79,023	34,071	1,155	2,810	1,659	4,469	35.9
78.00	Outside of County	0	88,858	0	23,882	0	0	1,567	1,567	56.7

VMT Summary by Jurisdiction - 2018 Baseline Scenario

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
79.00	Outside of County	0	971	0	0	0	0	20	20	48.6
80.00	Outside of County	0	50,636	0	23,931	0	0	1,410	1,410	35.9
81.00	Outside of County	0	160,628	0	83,068	0	0	4,951	4,951	32.4
82.00	Outside of County	0	56,271	0	29,838	0	0	1,787	1,787	31.5
83.00	Outside of County	0	0	0	0	0	0	0	0	-
84.00	Outside of County	0	64,935	48,607	6,599	1,226	2,817	405	3,222	20.2
85.00	Outside of County	0	71,715	60,548	4,739	1,295	3,246	253	3,499	20.5
86.00	Outside of County	0	111,986	74,912	11,544	1,968	4,487	754	5,241	21.4
87.00	Outside of County	0	102,508	66,622	12,953	2,114	4,344	800	5,144	19.9
88.00	Outside of County	0	86,778	48,055	11,980	1,099	2,679	762	3,441	25.2
89.00	Outside of County	0	11,255	0	4,682	0	0	293	293	38.4
90.00	Outside of County	0	53,226	0	10,922	0	0	592	592	89.9
91.00	Outside of County	0	123,481	16,293	50,210	383	961	4,100	5,061	24.4
92.00	Outside of County	0	59,947	56,565	3,275	1,139	2,709	141	2,850	21.0
93.00	Outside of County	0	0	0	0	0	0	0	0	-
94.00	Outside of County	0	432	480	9	6	15	0	15	28.8
95.00	Outside of County	0	924	0	440	0	0	27	27	34.2
96.00	Outside of County	0	343	0	174	0	0	12	12	28.6
97.00	Outside of County	0	110	103	2	2	4	0	4	27.5
98.00	Outside of County	0	75,981	352	27,272	10	25	2,289	2,314	32.8
99.00	Outside of County	0	49,798	27,047	11,872	791	1,944	958	2,902	17.2
100.00	Outside of County	0	6,021	7,034	128	84	203	0	203	29.6
101.00	Outside of County	0	12,099	0	6,018	0	0	320	320	37.8
102.00	Outside of County	0	6,000	5,243	996	51	153	53	206	29.1
103.00	Outside of County	0	58,984	68,339	1,381	910	2,200	0	2,200	26.8
104.00	Outside of County	0	0	0	0	0	0	0	0	-
105.00	Outside of County	0	0	0	0	0	0	0	0	-
106.00	Outside of County	0	2,868	0	1,439	0	0	70	70	41.0
107.00	Outside of County	0	86,625	0	45,771	0	0	3,135	3,135	27.6
108.00	Outside of County	0	437	0	202	0	0	15	15	29.1
109.00	Outside of County	0	18,922	0	4,255	0	0	238	238	79.5
110.00	Outside of County	0	63,976	8,774	28,943	205	426	1,610	2,036	31.4
111.00	Outside of County	0	136,717	12,325	24,963	350	728	1,151	1,879	72.8
112.00	Outside of County	0	195,988	38,217	41,788	747	1,946	2,117	4,063	48.2
113.00	Outside of County	0	88,904	0	47,000	0	0	4,022	4,022	22.1
114.00	Outside of County	0	40,814	30,283	7,763	770	1,950	660	2,610	15.6
115.00	Outside of County	0	0	0	0	0	0	0	0	-
116.00	Outside of County	0	0	0	0	0	0	0	0	-
117.00	Outside of County	0	87,124	32,807	23,801	401	1,031	1,492	2,523	34.5
118.00	Outside of County	0	89,463	81,373	3,775	2,313	5,898	187	6,085	14.7
119.00	Outside of County	0	171,753	7,945	75,523	214	522	6,545	7,067	24.3
120.00	Outside of County	0	203,382	0	58,569	0	0	4,131	4,131	49.2
121.00	Outside of County	0	166,199	57,288	22,361	1,642	4,261	1,724	5,985	27.8
122.00	Outside of County	0	67,095	20,235	12,428	619	1,530	1,071	2,601	25.8
123.00	Outside of County	0	52,834	7,535	10,726	200	529	855	1,384	38.2
124.00	Outside of County	0	80,923	55,078	5,562	1,240	2,628	328	2,956	27.4
125.00	Outside of County	0	59,993	10,940	9,293	389	801	781	1,582	37.9
126.00	Outside of County	0	15,688	4,356	1,784	136	279	129	408	38.4
127.00	Outside of County	0	38,513	34,433	2,025	800	1,693	117	1,810	21.3
128.00	Outside of County	0	85,653	40,306	11,052	999	2,062	767	2,829	30.3
129.00	Outside of County	0	42,715	46,640	819	994	2,246	0	2,246	19.0
130.00	Outside of County	0	31,447	10,020	4,065	369	740	416	1,156	27.2
131.00	Outside of County	0	75,374	20,584	13,616	607	1,234	1,278	2,512	30.0
132.00	Outside of County	0	33,903	20,607	3,968	407	894	260	1,154	29.4
133.00	Outside of County	0	132,673	63,999	14,735	2,087	5,211	1,475	6,686	19.8
134.00	Outside of County	0	70,311	32,120	18,482	1,075	2,460	1,492	3,952	17.8
135.00	Outside of County	0	43,514	0	23,772	0	0	2,114	2,114	20.6
136.00	Outside of County	0	31,862	28,679	1,647	669	1,669	82	1,751	18.2
137.00	Outside of County	0	138,587	104,455	9,379	2,349	6,735	673	7,408	18.7
138.00	El Dorado Diamond Springs	0	5,531	5,338	430	161	367	25	392	14.1
139.00	El Dorado Diamond Springs	0	3,994	1,768	670	62	135	55	190	21.0
140.00	El Dorado Diamond Springs	0	24,371	265	5,033	10	27	383	410	59.4
141.00	Unincorporated El Dorado County (Remainder Area)	0	2,082	1,974	80	21	49	2	51	41.0
142.00	Unincorporated El Dorado County (Remainder Area)	0	7,364	7,976	178	157	353	0	353	20.9
143.00	Unincorporated El Dorado County (Remainder Area)	0	3,601	3,742	133	93	209	4	213	16.9
144.00	Unincorporated El Dorado County (Remainder Area)	0	3,896	4,004	290	74	186	19	205	19.0
145.00	Unincorporated El Dorado County (Remainder Area)	0	802	837	22	30	69	0	69	11.7
146.00	El Dorado Diamond Springs	0	3,810	1,778	632	64	145	51	196	19.5
147.00	El Dorado Diamond Springs	0	4,298	4,544	135	159	359	0	359	12.0
148.00	Outside of County	0	189,218	257,141	6,738	2,250	5,293	137	5,430	34.8
149.00	Shingle Springs	0	6,891	1,697	1,466	37	98	112	210	32.8
150.00	Unincorporated El Dorado County (Remainder Area)	0	7,722	8,487	225	109	260	3	263	29.4
151.00	Unincorporated El Dorado County (Remainder Area)	0	1,453	2,003	20	23	67	0	67	21.6
152.00	Shingle Springs	0	9,916	6,134	1,454	122	315	99	414	24.0
153.00	Unincorporated El Dorado County (Remainder Area)	0	6,431	6,651	217	178	388	5	393	16.4
154.00	Unincorporated El Dorado County (Remainder Area)	0	3,340	3,259	235	84	196	16	212	15.7
155.00	Shingle Springs	0	2,686	3,144	57	62	161	0	161	16.6
156.00	Unincorporated El Dorado County (Remainder Area)	0	2,329	2,755	39	27	67	0	67	34.6

VMT Summary by Jurisdiction - 2018 Baseline Scenario

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
157.00	El Dorado Hills	0	11,314	14,582	188	274	807	0	807	14.0
158.00	Cameron Park	0	22,047	24,487	1,060	598	1,373	72	1,445	15.3
159.00	Cameron Park	0	12,635	16,235	239	340	878	1	879	14.4
160.00	Shingle Springs	0	7,853	9,562	164	194	501	0	501	15.7
161.00	El Dorado Hills	0	6,106	7,825	93	105	283	0	283	21.6
162.00	El Dorado Hills	0	71,569	99,177	978	1,503	4,414	0	4,414	16.2
163.00	El Dorado Hills	0	350	364	39	7	21	4	25	14.2
164.00	El Dorado Hills	0	27,784	0	14,365	0	0	1,232	1,232	22.6
165.00	El Dorado Hills	0	16,363	19,623	373	373	997	0	997	16.4
166.00	Outside of County	0	41,447	42,198	1,373	749	1,892	49	1,941	21.4
167.00	El Dorado Hills	0	50,123	52,254	2,138	1,297	2,904	55	2,959	16.9
168.00	El Dorado Hills	0	30,546	36,220	944	1,125	2,519	9	2,528	12.1
169.00	El Dorado Hills	0	102,894	154	21,197	0	0	1,688	1,688	61.0
170.00	El Dorado Hills	0	27,560	0	15,243	0	0	1,357	1,357	20.3
171.00	El Dorado Hills	0	14,234	12,753	758	441	790	20	810	17.6
172.00	El Dorado Hills	0	8,204	0	1,963	0	0	168	168	48.8
173.00	El Dorado Hills	0	29,687	0	6,376	0	0	547	547	54.3
174.00	Unincorporated El Dorado County (Remainder Area)	0	2,218	1,539	249	15	37	11	48	45.9
175.00	Unincorporated El Dorado County (Remainder Area)	0	955	876	97	11	26	5	31	30.6
176.00	Unincorporated El Dorado County (Remainder Area)	0	2,048	2,324	41	29	69	0	69	29.6
177.00	Unincorporated El Dorado County (Remainder Area)	0	827	702	119	10	25	7	32	25.9
178.00	Unincorporated El Dorado County (Remainder Area)	0	2,085	2,421	40	30	77	0	77	27.0
179.00	Unincorporated El Dorado County (Remainder Area)	0	10	17	0	1	3	0	3	3.7
180.00	El Dorado Hills	0	3,243	3,924	54	58	149	0	149	21.7
181.00	El Dorado Hills	0	1,418	8	645	1	3	58	61	23.4
182.00	Cameron Park	0	51,882	68,033	795	1,186	3,202	0	3,202	16.2
183.00	Unincorporated El Dorado County (Remainder Area)	0	6,525	7,645	127	152	355	0	355	18.4
184.00	Cameron Park	0	28,763	20,492	3,325	357	964	300	1,264	22.8
185.00	Cameron Park	0	5,401	6,636	94	149	342	0	342	15.8
186.00	Cameron Park	0	647	102	236	3	7	28	35	18.5
187.00	Cameron Park	0	10,281	9,793	1,023	239	549	85	634	16.2
188.00	Cameron Park	0	7,327	7,048	803	188	432	69	501	14.6
189.00	Unincorporated El Dorado County (Remainder Area)	0	2,895	3,688	44	37	104	0	104	28.0
190.00	Unincorporated El Dorado County (Remainder Area)	0	11,290	14,830	175	237	663	0	663	17.0
191.00	El Dorado Hills	0	824	1,100	11	19	53	0	53	15.5
192.00	El Dorado Hills	0	1,093	1,444	15	25	70	0	70	15.7
193.00	El Dorado Hills	0	8,893	4,380	2,565	100	253	246	499	17.8
194.00	El Dorado Hills	0	18,209	23,760	280	439	1,285	0	1,285	14.2
195.00	El Dorado Hills	0	1,605	531	184	10	26	14	40	40.6
196.00	Outside of County	0	45,981	51,299	1,506	923	2,503	82	2,585	17.8
197.00	El Dorado Hills	0	3,954	4,957	65	86	219	0	219	18.0
198.00	El Dorado Hills	0	58,474	46,936	4,592	887	2,482	453	2,935	19.9
199.00	El Dorado Hills	0	11,088	3,692	1,539	62	173	120	293	37.8
200.00	El Dorado Hills	0	3,335	333	740	7	18	67	85	39.3
201.00	El Dorado Hills	0	13,472	8,479	2,757	150	439	301	740	18.2
202.00	El Dorado Hills	0	41,829	41,531	2,356	737	2,062	199	2,261	18.5
203.00	El Dorado Hills	0	52,615	66,781	1,839	1,043	3,061	139	3,200	16.4
204.00	El Dorado Hills	0	18,761	20,036	597	362	1,067	41	1,108	16.9
205.00	El Dorado Hills	0	628	0	288	0	0	30	30	20.9
206.00	El Dorado Hills	0	2,124	2,756	30	52	153	0	153	13.9
207.00	El Dorado Hills	0	15,051	19,923	231	296	869	0	869	17.3
208.00	Unincorporated El Dorado County (Remainder Area)	0	412	558	5	9	26	0	26	15.6
209.00	El Dorado Hills	0	2,999	3,557	172	55	161	14	175	17.1
210.00	El Dorado Hills	0	5,743	7,581	87	125	366	0	366	15.7
211.00	Unincorporated El Dorado County (Remainder Area)	0	167	231	2	4	11	0	11	15.0
212.00	El Dorado Hills	0	1,871	2,523	25	35	103	0	103	18.2
213.00	Unincorporated El Dorado County (Remainder Area)	0	6,812	8,992	101	116	323	0	323	21.1
214.00	Unincorporated El Dorado County (Remainder Area)	0	686	922	10	8	19	0	19	35.4
215.00	El Dorado Hills	0	6,138	8,031	95	113	316	0	316	19.4
216.00	Unincorporated El Dorado County (Remainder Area)	0	400	520	5	5	12	0	12	33.1
217.00	Unincorporated El Dorado County (Remainder Area)	0	740	957	10	11	31	0	31	24.0
218.00	Unincorporated El Dorado County (Remainder Area)	0	1,723	2,237	25	28	78	0	78	22.0
219.00	Unincorporated El Dorado County (Remainder Area)	0	4,456	2,399	1,004	28	78	77	155	28.8
220.00	Unincorporated El Dorado County (Remainder Area)	0	581	762	8	9	25	0	25	23.2
221.00	El Dorado Hills	0	43,247	59,070	587	876	2,359	0	2,359	18.3
222.00	Cameron Park	0	2,699	1,423	256	26	71	26	97	28.0
223.00	Cameron Park	0	4,072	5,524	52	103	279	0	279	14.6
224.00	Unincorporated El Dorado County (Remainder Area)	0	5,457	6,394	348	95	258	29	287	19.0
225.00	Unincorporated El Dorado County (Remainder Area)	0	11,249	7,664	978	92	270	79	349	32.2
226.00	Cameron Park	0	10,028	8,755	771	131	384	76	460	21.8
227.00	Cameron Park	0	182	177	13	5	12	2	14	12.9
228.00	Cameron Park	0	23,398	31,104	509	705	1,703	20	1,723	13.6
229.00	El Dorado Hills	0	405	556	4	9	24	0	24	16.7
230.00	El Dorado Hills	0	590	809	6	12	35	0	35	16.7
231.00	Unincorporated El Dorado County (Remainder Area)	0	1,019	332	239	5	15	28	43	23.9
232.00	Unincorporated El Dorado County (Remainder Area)	0	2,109	2,821	28	33	92	0	92	23.0
233.00	Cameron Park	0	6,653	3,846	768	92	211	101	312	21.3
234.00	Cameron Park	0	47,144	41,546	4,548	1,004	2,306	587	2,893	16.3

VMT Summary by Jurisdiction - 2018 Baseline Scenario

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235.00	Cameron Park	0	33,832	44,754	479	861	2,214	0	2,214	15.3
236.00	Cameron Park	0	17,939	24,296	298	468	1,204	9	1,213	14.8
237.00	Cameron Park	0	2,846	3,551	47	75	172	0	172	16.5
238.00	Cameron Park	0	15,143	13,696	2,017	280	676	199	875	17.3
239.00	Cameron Park	0	1,950	1,618	135	32	87	16	103	19.0
240.00	Unincorporated El Dorado County (Remainder Area)	0	7,287	9,730	107	127	345	0	345	21.1
241.00	Cameron Park	0	6,848	9,117	105	164	445	2	447	15.3
242.00	Cameron Park	0	806	1,102	9	22	60	0	60	13.5
243.00	Cameron Park	0	2,409	2,931	120	52	141	13	154	15.6
244.00	Unincorporated El Dorado County (Remainder Area)	0	1,391	1,801	23	22	57	0	57	24.6
245.00	Unincorporated El Dorado County (Remainder Area)	0	842	1,066	11	10	29	0	29	29.1
246.00	Unincorporated El Dorado County (Remainder Area)	0	4,452	6,056	59	63	182	0	182	24.4
247.00	Unincorporated El Dorado County (Remainder Area)	0	14,550	16,665	351	296	646	0	646	22.5
248.00	Unincorporated El Dorado County (Remainder Area)	0	10,727	13,056	226	185	441	0	441	24.3
249.00	Unincorporated El Dorado County (Remainder Area)	0	1,911	2,086	39	27	59	0	59	32.4
250.00	Unincorporated El Dorado County (Remainder Area)	0	3,223	3,854	63	53	123	0	123	26.2
251.00	Unincorporated El Dorado County (Remainder Area)	0	4,465	5,223	91	88	224	0	224	20.0
252.00	Unincorporated El Dorado County (Remainder Area)	0	20,232	24,935	422	434	1,130	0	1,130	17.9
253.00	Unincorporated El Dorado County (Remainder Area)	0	8,637	10,809	166	147	403	0	403	21.4
254.00	Unincorporated El Dorado County (Remainder Area)	0	6,155	7,315	128	116	295	0	295	20.9
255.00	Cameron Park	0	17,028	0	5,087	0	0	426	426	40.0
256.00	Cameron Park	0	46,408	1,915	13,815	47	121	1,042	1,163	39.9
257.00	Shingle Springs	0	30,259	6,774	11,179	153	389	960	1,349	22.4
258.00	Unincorporated El Dorado County (Remainder Area)	0	1,485	1,749	51	21	58	2	60	25.0
259.00	Unincorporated El Dorado County (Remainder Area)	0	1,819	2,262	31	30	78	0	78	23.3
260.00	Shingle Springs	0	5,677	58	1,817	2	4	146	150	37.7
261.00	Shingle Springs	0	15,334	4,173	3,626	92	252	282	534	28.7
262.00	Shingle Springs	0	12,901	4,871	3,014	121	308	238	546	23.6
263.00	Shingle Springs	0	6,135	4,995	534	108	296	35	331	18.5
264.00	Shingle Springs	0	4,761	2,290	629	50	137	45	182	26.2
265.00	Unincorporated El Dorado County (Remainder Area)	0	2,408	2,965	44	45	117	0	117	20.6
266.00	Unincorporated El Dorado County (Remainder Area)	0	2,362	2,170	117	42	92	4	96	24.7
267.00	Unincorporated El Dorado County (Remainder Area)	0	5,496	6,891	127	129	336	0	336	16.4
268.00	Unincorporated El Dorado County (Remainder Area)	0	3,278	3,761	133	69	180	6	186	17.7
269.00	Unincorporated El Dorado County (Remainder Area)	0	9,325	10,939	228	204	516	1	517	18.0
270.00	Unincorporated El Dorado County (Remainder Area)	0	2,473	3,221	42	44	113	0	113	21.8
271.00	Unincorporated El Dorado County (Remainder Area)	0	8,088	10,053	199	150	379	5	384	21.0
272.00	Unincorporated El Dorado County (Remainder Area)	0	6,800	7,760	363	131	347	23	370	18.4
273.00	Unincorporated El Dorado County (Remainder Area)	0	7,904	10,189	255	134	391	12	403	19.6
274.00	Unincorporated El Dorado County (Remainder Area)	0	15,445	13,859	1,331	233	618	99	717	21.6
275.00	Unincorporated El Dorado County (Remainder Area)	0	15,495	18,287	458	321	828	13	841	18.4
276.00	Cameron Park	0	9,014	10,844	268	224	541	12	553	16.3
277.00	Cameron Park	0	6,258	7,932	106	161	416	0	416	15.1
278.00	Unincorporated El Dorado County (Remainder Area)	0	5,210	6,797	84	91	247	0	247	21.1
279.00	Unincorporated El Dorado County (Remainder Area)	0	2,678	3,507	42	45	122	0	122	21.9
280.00	Unincorporated El Dorado County (Remainder Area)	0	1,778	2,200	33	37	98	0	98	18.1
281.00	Unincorporated El Dorado County (Remainder Area)	0	3,869	3,572	543	59	156	36	192	20.1
282.00	Unincorporated El Dorado County (Remainder Area)	0	1,747	2,152	33	39	103	0	103	16.9
283.00	Shingle Springs	0	16,088	3,776	2,073	0	0	161	161	99.9
284.00	Shingle Springs	0	1,621	1,091	305	25	65	25	90	18.1
285.00	Unincorporated El Dorado County (Remainder Area)	0	5,130	1,491	887	12	26	66	92	55.5
286.00	Unincorporated El Dorado County (Remainder Area)	0	1,776	2,318	29	36	95	0	95	18.6
287.00	Unincorporated El Dorado County (Remainder Area)	0	1,717	2,179	29	34	88	0	88	19.6
288.00	Unincorporated El Dorado County (Remainder Area)	0	2,632	3,324	46	51	135	0	135	19.5
289.00	Unincorporated El Dorado County (Remainder Area)	0	360	514	4	8	23	0	23	15.4
290.00	Unincorporated El Dorado County (Remainder Area)	0	2,416	3,228	37	44	129	0	129	18.8
291.00	Unincorporated El Dorado County (Remainder Area)	0	9,922	12,933	181	188	463	0	463	21.4
292.00	Unincorporated El Dorado County (Remainder Area)	0	4,576	6,311	64	72	210	0	210	21.8
293.00	Unincorporated El Dorado County (Remainder Area)	0	1,230	1,276	32	34	77	0	77	15.9
294.00	Unincorporated El Dorado County (Remainder Area)	0	4,021	4,645	94	97	247	0	247	16.3
295.00	Unincorporated El Dorado County (Remainder Area)	0	148,908	5,014	26,719	110	284	1,491	1,775	83.9
296.00	El Dorado Diamond Springs	0	9,633	6,665	855	117	305	56	361	26.7
297.00	Unincorporated El Dorado County (Remainder Area)	0	2,430	3,140	57	70	182	0	182	13.3
298.00	Unincorporated El Dorado County (Remainder Area)	0	3,313	3,810	75	79	206	0	206	16.1
299.00	Unincorporated El Dorado County (Remainder Area)	0	5,090	6,062	106	106	268	0	268	19.0
300.00	Unincorporated El Dorado County (Remainder Area)	0	1,197	1,390	26	28	71	0	71	16.9
301.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	1	2	0	2	0.1
302.00	Unincorporated El Dorado County (Remainder Area)	0	3,967	2,475	500	57	130	33	163	24.4
303.00	El Dorado Diamond Springs	0	3,470	3,661	91	106	231	0	231	15.0
304.00	El Dorado Diamond Springs	0	6,356	379	2,386	12	27	224	251	25.3
305.00	El Dorado Diamond Springs	0	7,603	0	3,158	1	2	283	285	26.7
306.00	El Dorado Diamond Springs	0	1,629	375	629	10	22	55	77	21.2
307.00	El Dorado Diamond Springs	0	617	494	38	16	36	2	38	16.2
308.00	El Dorado Diamond Springs	0	272	273	15	11	25	1	26	10.5
309.00	El Dorado Diamond Springs	0	533	434	52	14	32	4	36	14.8
310.00	El Dorado Diamond Springs	0	4,146	794	1,294	26	59	122	181	22.9
311.00	El Dorado Diamond Springs	0	8,533	1,197	2,120	38	87	158	245	34.9
312.00	El Dorado Diamond Springs	0	870	891	49	31	70	3	73	11.9

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313.00	El Dorado Diamond Springs	0	23,390	4,175	6,912	38	99	506	605	38.7
314.00	El Dorado Diamond Springs	0	2,981	3,093	154	81	206	8	214	13.9
315.00	Outside of County	0	0	0	0	0	0	0	0	-
316.00	El Dorado Diamond Springs	0	342	346	9	13	30	0	30	11.5
317.00	El Dorado Diamond Springs	0	206	210	5	8	18	0	18	11.3
318.00	Unincorporated El Dorado County (Remainder Area)	0	4,322	4,680	137	128	326	2	328	13.2
319.00	El Dorado Diamond Springs	0	1,220	1,220	91	38	99	6	105	11.6
320.00	Unincorporated El Dorado County (Remainder Area)	0	5,096	2,179	537	18	44	39	83	61.1
321.00	Unincorporated El Dorado County (Remainder Area)	0	5,291	6,703	102	104	256	0	256	20.6
322.00	Unincorporated El Dorado County (Remainder Area)	0	7,460	8,020	553	153	387	33	420	17.8
323.00	Unincorporated El Dorado County (Remainder Area)	0	2,846	3,454	85	51	129	4	133	21.4
324.00	Unincorporated El Dorado County (Remainder Area)	0	3,638	4,777	61	64	165	0	165	22.1
325.00	Unincorporated El Dorado County (Remainder Area)	0	706	878	14	16	39	0	39	17.9
326.00	Unincorporated El Dorado County (Remainder Area)	0	2,171	2,731	54	49	121	1	122	17.8
327.00	Placerville	0	1,704	2,003	39	40	101	0	101	16.9
328.00	Unincorporated El Dorado County (Remainder Area)	0	847	998	18	19	48	0	48	17.7
329.00	Placerville	0	4,862	5,451	124	139	317	0	317	15.3
330.00	Unincorporated El Dorado County (Remainder Area)	0	2,701	3,124	65	73	184	0	184	14.7
331.00	Unincorporated El Dorado County (Remainder Area)	0	5,824	7,134	116	110	274	0	274	21.3
332.00	Unincorporated El Dorado County (Remainder Area)	0	1,541	1,805	36	47	104	0	104	14.8
333.00	Unincorporated El Dorado County (Remainder Area)	0	4,529	5,675	86	91	226	0	226	20.1
334.00	Unincorporated El Dorado County (Remainder Area)	0	3,809	1,175	1,315	26	58	110	168	22.7
335.00	Unincorporated El Dorado County (Remainder Area)	0	3,013	3,285	124	77	165	5	170	17.7
336.00	Unincorporated El Dorado County (Remainder Area)	0	1,225	1,475	25	30	70	0	70	17.4
337.00	Unincorporated El Dorado County (Remainder Area)	0	9,197	7,630	869	121	302	62	364	25.3
338.00	Unincorporated El Dorado County (Remainder Area)	0	14,133	17,909	370	322	831	14	845	16.7
339.00	Unincorporated El Dorado County (Remainder Area)	0	8,581	12,365	118	188	410	0	410	20.9
340.00	Unincorporated El Dorado County (Remainder Area)	0	6,896	8,586	224	93	205	14	219	31.5
341.00	Unincorporated El Dorado County (Remainder Area)	0	1,489	1,918	86	31	71	8	79	18.9
342.00	Unincorporated El Dorado County (Remainder Area)	0	2,620	3,271	48	48	124	0	124	21.2
343.00	Unincorporated El Dorado County (Remainder Area)	0	3,485	4,097	63	53	116	0	116	30.1
344.00	Unincorporated El Dorado County (Remainder Area)	0	3,762	4,481	68	55	120	0	120	31.3
345.00	Unincorporated El Dorado County (Remainder Area)	0	1,796	1,949	35	29	63	0	63	28.4
346.00	Unincorporated El Dorado County (Remainder Area)	0	1,272	1,399	24	22	49	0	49	25.7
347.00	Unincorporated El Dorado County (Remainder Area)	0	2,911	3,675	48	42	108	0	108	26.9
348.00	Unincorporated El Dorado County (Remainder Area)	0	2,799	2,993	63	49	110	0	110	25.4
349.00	Unincorporated El Dorado County (Remainder Area)	0	6,297	8,014	252	83	191	18	209	30.1
350.00	Unincorporated El Dorado County (Remainder Area)	0	1,179	1,682	17	22	48	0	48	24.5
351.00	Unincorporated El Dorado County (Remainder Area)	0	1,305	1,880	16	23	50	0	50	26.0
352.00	Unincorporated El Dorado County (Remainder Area)	0	1,857	2,624	24	29	63	0	63	29.3
353.00	Unincorporated El Dorado County (Remainder Area)	0	9,027	13,265	99	167	365	1	366	24.7
354.00	Unincorporated El Dorado County (Remainder Area)	0	5,501	3,517	746	53	116	77	193	28.5
355.00	Placerville	1	14,292	6,555	2,957	241	550	244	794	18.0
356.00	Placerville	1	2,499	2,652	73	91	195	0	195	12.8
357.00	Unincorporated El Dorado County (Remainder Area)	0	4,889	3,827	367	89	209	21	230	21.3
358.00	Placerville	0	5,870	2,945	1,187	81	190	98	288	20.4
359.00	Unincorporated El Dorado County (Remainder Area)	0	4,285	5,085	93	105	254	0	254	16.9
360.00	Unincorporated El Dorado County (Remainder Area)	0	5,338	5,780	239	98	237	10	247	21.6
361.00	Placerville	1	17,728	10,267	4,156	458	938	392	1,330	13.3
362.00	Placerville	1	46,119	5,945	10,928	252	591	876	1,467	31.4
363.00	Unincorporated El Dorado County (Remainder Area)	0	327	343	9	13	31	0	31	10.6
364.00	Placerville	0	4,044	3,540	416	138	328	30	358	11.3
365.00	El Dorado Diamond Springs	0	10,889	8,653	1,046	322	722	71	793	13.7
366.00	El Dorado Diamond Springs	0	380	274	42	15	31	4	35	10.8
367.00	El Dorado Diamond Springs	0	4,054	0	1,960	0	0	197	197	20.6
368.00	El Dorado Diamond Springs	0	1,589	1,730	48	68	149	0	149	10.7
369.00	El Dorado Diamond Springs	0	5,670	5,750	283	228	507	13	520	10.9
370.00	El Dorado Diamond Springs	0	6,432	0	3,038	0	0	303	303	21.2
371.00	El Dorado Diamond Springs	0	740	795	18	21	47	0	47	15.9
372.00	El Dorado Diamond Springs	0	16,774	7,739	2,417	195	433	211	644	26.0
373.00	El Dorado Diamond Springs	0	652	643	19	26	59	0	59	11.1
374.00	El Dorado Diamond Springs	0	414	329	29	13	28	2	30	13.6
375.00	El Dorado Diamond Springs	0	368	368	10	14	32	0	32	11.7
376.00	El Dorado Diamond Springs	0	973	935	57	34	77	3	80	12.2
377.00	El Dorado Diamond Springs	0	561	329	157	13	29	14	43	12.9
378.00	El Dorado Diamond Springs	0	667	652	19	27	59	0	59	11.3
379.00	El Dorado Diamond Springs	0	1,102	1,113	31	48	105	0	105	10.5
380.00	El Dorado Diamond Springs	0	256	245	7	12	26	0	26	9.7
381.00	El Dorado Diamond Springs	0	158	143	5	7	15	0	15	10.3
382.00	El Dorado Diamond Springs	0	261	239	8	11	24	0	24	10.8
383.00	Unincorporated El Dorado County (Remainder Area)	0	1,591	1,742	40	46	102	0	102	15.6
384.00	El Dorado Diamond Springs	0	3,654	3,970	95	120	267	0	267	13.7
385.00	El Dorado Diamond Springs	0	11,717	13,659	337	451	1,002	0	1,002	11.7
386.00	El Dorado Diamond Springs	0	2,657	2,922	67	90	200	0	200	13.3
387.00	El Dorado Diamond Springs	0	1,172	929	107	36	80	8	88	13.3
388.00	El Dorado Diamond Springs	0	6,359	0	3,067	0	0	303	303	21.0
389.00	El Dorado Diamond Springs	0	6,129	11	2,616	2	4	264	268	22.8
390.00	El Dorado Diamond Springs	0	4,307	3,894	359	182	379	23	402	10.7

VMT Summary by Jurisdiction - 2018 Baseline Scenario

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
391.00	El Dorado Diamond Springs	0	2,173	196	547	11	23	54	77	28.3
392.00	El Dorado Diamond Springs	0	671	600	23	28	58	0	58	11.5
393.00	El Dorado Diamond Springs	0	9,002	6,354	1,004	268	605	68	673	13.4
394.00	El Dorado Diamond Springs	0	186	202	5	8	22	0	22	8.5
395.00	Placerville	1	62,226	1,584	26,085	74	166	2,253	2,419	25.7
396.00	El Dorado Diamond Springs	0	28,140	0	5,846	0	0	439	439	64.1
397.00	El Dorado Diamond Springs	0	1,329	1,264	69	50	114	3	117	11.4
398.00	El Dorado Diamond Springs	0	413	322	38	14	32	3	35	11.9
399.00	El Dorado Diamond Springs	0	1,126	1,133	32	43	97	0	97	11.6
400.00	El Dorado Diamond Springs	0	313	262	11	16	33	0	33	9.4
401.00	Placerville	0	8,987	658	2,628	28	63	213	276	32.6
402.00	El Dorado Diamond Springs	0	3,541	1,448	1,078	51	133	106	239	14.8
403.00	El Dorado Diamond Springs	0	23,814	3,632	7,792	124	258	654	912	26.1
404.00	El Dorado Diamond Springs	0	1,343	409	459	19	42	49	91	14.8
405.00	El Dorado Diamond Springs	0	169	150	5	9	20	0	20	8.6
406.00	El Dorado Diamond Springs	0	18,956	553	3,787	24	53	286	339	56.0
407.00	El Dorado Diamond Springs	0	9,540	18	3,373	1	2	309	311	30.7
408.00	El Dorado Diamond Springs	0	4,167	22	1,742	1	2	182	184	22.6
409.00	Placerville	0	18,695	3,018	5,656	104	248	445	693	27.0
410.00	El Dorado Diamond Springs	0	24,455	14,637	3,607	426	1,031	277	1,308	18.7
411.00	Placerville	1	50,523	6,155	13,292	298	712	1,271	1,983	25.5
412.00	Unincorporated El Dorado County (Remainder Area)	0	2,967	3,203	79	86	206	0	206	14.4
413.00	Placerville	0	3,607	3,787	102	126	301	0	301	12.0
414.00	El Dorado Diamond Springs	0	2,618	129	1,180	7	15	120	135	19.5
415.00	Unincorporated El Dorado County (Remainder Area)	0	434	442	12	18	40	0	40	10.7
416.00	El Dorado Diamond Springs	0	148	145	4	9	19	0	19	7.9
417.00	Placerville	1	9,685	1,098	2,868	45	114	278	392	24.7
418.00	Placerville	1	3,170	0	673	0	0	64	64	49.5
419.00	Placerville	1	3,283	0	844	0	0	85	85	38.6
420.00	Placerville	1	1,760	957	498	42	100	52	152	11.5
421.00	Placerville	1	1,662	1,578	97	68	163	5	168	9.9
422.00	Placerville	1	52,703	6,323	24,673	278	652	1,907	2,559	20.6
423.00	Unincorporated El Dorado County (Remainder Area)	0	460	482	12	20	48	0	48	9.6
424.00	Placerville	0	10,237	4,839	2,517	171	391	228	619	16.6
425.00	Placerville	0	52,855	32,203	5,947	1,167	2,617	563	3,180	16.6
426.00	Placerville	0	859	990	19	33	82	0	82	10.5
427.00	Unincorporated El Dorado County (Remainder Area)	0	3,962	4,548	92	93	232	0	232	17.1
428.00	Unincorporated El Dorado County (Remainder Area)	0	643	741	15	22	55	0	55	11.7
429.00	Unincorporated El Dorado County (Remainder Area)	0	1,310	1,650	34	35	83	0	83	15.9
430.00	Unincorporated El Dorado County (Remainder Area)	0	2,529	2,476	178	58	137	10	147	17.2
431.00	Placerville	1	1,794	471	655	22	45	60	105	17.1
432.00	Unincorporated El Dorado County (Remainder Area)	0	15,284	10,519	2,696	309	729	229	958	16.0
433.00	Placerville	1	10,428	9,659	707	481	1,041	36	1,077	9.7
434.00	Placerville	1	673	587	23	33	71	0	71	9.5
435.00	Placerville	1	1,186	645	243	36	77	27	104	11.4
436.00	Unincorporated El Dorado County (Remainder Area)	0	970	1,150	20	25	62	0	62	15.6
437.00	Unincorporated El Dorado County (Remainder Area)	0	5,377	5,676	248	117	287	12	299	18.0
438.00	Unincorporated El Dorado County (Remainder Area)	0	5,578	5,269	232	124	278	11	289	19.3
439.00	Unincorporated El Dorado County (Remainder Area)	0	5,421	6,310	172	156	350	3	353	15.4
440.00	Unincorporated El Dorado County (Remainder Area)	0	1,394	1,100	177	28	63	15	78	17.9
441.00	Placerville	1	362	377	9	12	29	0	29	12.6
442.00	Placerville	1	13,108	10,677	1,035	313	768	69	837	15.7
443.00	Unincorporated El Dorado County (Remainder Area)	0	1,458	1,567	36	38	85	0	85	17.1
444.00	Unincorporated El Dorado County (Remainder Area)	0	200	220	5	8	19	0	19	10.4
445.00	Placerville	0	1,044	902	151	23	56	11	67	15.5
446.00	Placerville	1	1,761	851	247	25	59	19	78	22.7
447.00	Unincorporated El Dorado County (Remainder Area)	0	3,244	3,964	67	76	189	0	189	17.1
448.00	Placerville	0	1,803	2,094	74	53	130	4	134	13.5
449.00	Unincorporated El Dorado County (Remainder Area)	0	540	573	14	14	30	0	30	18.0
450.00	Unincorporated El Dorado County (Remainder Area)	0	3,267	2,678	392	84	180	31	211	15.5
451.00	Unincorporated El Dorado County (Remainder Area)	0	980	1,034	25	27	58	0	58	16.9
452.00	Placerville	0	6,274	4,034	500	121	259	33	292	21.5
453.00	Placerville	1	2,919	3,086	120	145	310	1	311	9.4
454.00	Unincorporated El Dorado County (Remainder Area)	0	567	544	18	25	54	0	54	10.6
455.00	Unincorporated El Dorado County (Remainder Area)	0	2,712	3,062	67	73	172	0	172	15.8
456.00	Unincorporated El Dorado County (Remainder Area)	0	1,880	2,061	48	51	109	0	109	17.2
457.00	Unincorporated El Dorado County (Remainder Area)	0	2,808	3,060	129	62	137	5	142	19.8
458.00	Placerville	0	2,940	2,602	343	67	157	26	183	16.0
459.00	Placerville	0	309	353	7	11	26	0	26	12.0
460.00	Unincorporated El Dorado County (Remainder Area)	0	1,457	966	264	22	47	20	67	21.7
461.00	Unincorporated El Dorado County (Remainder Area)	0	1,567	222	616	6	14	59	73	21.4
462.00	Unincorporated El Dorado County (Remainder Area)	0	5,224	1,278	1,752	31	66	125	191	27.3
463.00	Unincorporated El Dorado County (Remainder Area)	0	4,473	7,256	39	85	194	0	194	23.0
464.00	Unincorporated El Dorado County (Remainder Area)	0	2,526	3,312	39	47	104	0	104	24.4
465.00	Unincorporated El Dorado County (Remainder Area)	0	3,956	5,701	114	58	134	16	150	26.4
466.00	Unincorporated El Dorado County (Remainder Area)	0	3,542	4,418	201	61	139	22	161	22.0
467.00	Unincorporated El Dorado County (Remainder Area)	0	2,484	3,848	23	39	89	0	89	27.9
468.00	Unincorporated El Dorado County (Remainder Area)	0	6,778	9,766	125	120	277	6	283	24.0

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469.00	Unincorporated El Dorado County (Remainder Area)	0	4,092	5,682	136	59	131	15	146	28.1
470.00	Unincorporated El Dorado County (Remainder Area)	0	2,031	3,078	27	32	73	1	74	27.4
471.00	Unincorporated El Dorado County (Remainder Area)	0	1,477	2,039	54	23	53	6	59	25.2
472.00	Unincorporated El Dorado County (Remainder Area)	0	1,953	2,297	146	26	59	20	79	24.6
473.00	Unincorporated El Dorado County (Remainder Area)	0	602	576	30	10	23	2	25	24.1
474.00	Unincorporated El Dorado County (Remainder Area)	0	1,692	2,178	28	37	81	0	81	20.9
475.00	Unincorporated El Dorado County (Remainder Area)	0	1,797	2,384	27	38	83	0	83	21.7
476.00	Unincorporated El Dorado County (Remainder Area)	0	859	1,123	12	16	41	0	41	20.8
477.00	Unincorporated El Dorado County (Remainder Area)	0	2,038	2,558	124	30	69	15	84	24.2
478.00	Unincorporated El Dorado County (Remainder Area)	0	1,481	1,914	24	30	66	0	66	22.5
479.00	Unincorporated El Dorado County (Remainder Area)	0	4,068	3,155	440	51	118	37	155	26.3
480.00	Unincorporated El Dorado County (Remainder Area)	0	1,298	1,999	13	20	46	0	46	28.4
481.00	Unincorporated El Dorado County (Remainder Area)	0	1,335	2,030	15	20	44	0	44	30.4
482.00	Unincorporated El Dorado County (Remainder Area)	0	5,633	7,942	92	74	163	3	166	34.0
483.00	Unincorporated El Dorado County (Remainder Area)	0	4,435	5,257	173	115	249	9	258	17.2
484.00	Unincorporated El Dorado County (Remainder Area)	0	6,755	5,646	945	91	227	114	341	19.8
485.00	Unincorporated El Dorado County (Remainder Area)	0	1,058	1,522	11	15	37	0	37	28.3
486.00	Unincorporated El Dorado County (Remainder Area)	0	4,063	5,882	47	69	156	0	156	26.1
487.00	Unincorporated El Dorado County (Remainder Area)	0	11,817	11,343	739	221	519	36	555	21.3
488.00	Unincorporated El Dorado County (Remainder Area)	0	5,531	7,566	86	107	242	0	242	22.9
489.00	Unincorporated El Dorado County (Remainder Area)	0	6,881	7,088	660	133	300	58	358	19.2
490.00	Unincorporated El Dorado County (Remainder Area)	0	1,174	1,529	19	24	60	0	60	19.6
491.00	Unincorporated El Dorado County (Remainder Area)	0	7,374	9,114	177	160	399	3	402	18.3
492.00	Unincorporated El Dorado County (Remainder Area)	0	5,053	4,473	408	71	176	31	207	24.4
493.00	Unincorporated El Dorado County (Remainder Area)	0	5,090	4,560	369	72	178	26	204	24.9
494.00	Unincorporated El Dorado County (Remainder Area)	0	3,256	3,963	138	68	170	10	180	18.1
495.00	Unincorporated El Dorado County (Remainder Area)	0	652	851	11	16	40	0	40	16.4
496.00	Unincorporated El Dorado County (Remainder Area)	0	7,363	4,566	830	81	201	67	268	27.5
497.00	Unincorporated El Dorado County (Remainder Area)	0	4,324	5,722	101	88	224	3	227	19.0
498.00	Unincorporated El Dorado County (Remainder Area)	0	3,446	4,471	104	70	158	6	164	21.0
499.00	Unincorporated El Dorado County (Remainder Area)	0	1,340	1,788	22	30	75	0	75	17.9
500.00	Unincorporated El Dorado County (Remainder Area)	0	4,091	1,341	603	11	26	51	77	53.3
501.00	Unincorporated El Dorado County (Remainder Area)	0	2,805	1,018	768	22	49	83	132	21.3
502.00	Unincorporated El Dorado County (Remainder Area)	0	7,007	7,684	351	117	272	18	290	24.2
503.00	Unincorporated El Dorado County (Remainder Area)	0	4,159	0	1,010	1	2	76	78	53.2
504.00	Unincorporated El Dorado County (Remainder Area)	0	6,094	6,503	344	141	313	19	332	18.4
505.00	Unincorporated El Dorado County (Remainder Area)	0	73	86	1	3	7	0	7	11.0
506.00	Unincorporated El Dorado County (Remainder Area)	0	1,026	1,245	22	28	62	0	62	16.5
507.00	Unincorporated El Dorado County (Remainder Area)	0	2,748	2,382	392	50	116	37	153	17.9
508.00	Unincorporated El Dorado County (Remainder Area)	0	6,688	3,507	1,838	85	184	186	370	18.1
509.00	Unincorporated El Dorado County (Remainder Area)	0	392	428	22	12	27	2	29	13.7
510.00	Unincorporated El Dorado County (Remainder Area)	0	3,230	3,509	157	92	199	10	209	15.5
511.00	Unincorporated El Dorado County (Remainder Area)	0	2,738	1,886	359	45	105	33	138	19.9
512.00	Unincorporated El Dorado County (Remainder Area)	0	2,833	1,982	367	37	86	27	113	25.1
513.00	Unincorporated El Dorado County (Remainder Area)	0	7,428	10,752	84	142	354	0	354	21.0
514.00	Unincorporated El Dorado County (Remainder Area)	0	31,897	46,989	311	622	1,551	0	1,551	20.6
515.00	Unincorporated El Dorado County (Remainder Area)	0	3,604	4,785	105	69	176	8	184	19.6
516.00	Unincorporated El Dorado County (Remainder Area)	0	8,117	11,779	87	142	362	0	362	22.4
517.00	Unincorporated El Dorado County (Remainder Area)	0	18,953	21,253	1,114	388	857	101	958	19.8
518.00	Unincorporated El Dorado County (Remainder Area)	0	11,917	15,759	307	289	671	17	688	17.3
519.00	Unincorporated El Dorado County (Remainder Area)	0	5,880	7,837	191	142	330	12	342	17.2
520.00	Unincorporated El Dorado County (Remainder Area)	0	11,943	16,149	268	266	617	12	629	19.0
521.00	Unincorporated El Dorado County (Remainder Area)	0	10,860	13,145	581	290	641	60	701	15.5
522.00	Unincorporated El Dorado County (Remainder Area)	0	5,096	7,230	64	85	221	0	221	23.1
523.00	Unincorporated El Dorado County (Remainder Area)	0	16,440	10,403	1,911	240	588	206	794	20.7
524.00	Unincorporated El Dorado County (Remainder Area)	0	14,687	12,653	1,114	205	490	103	593	24.8
525.00	Unincorporated El Dorado County (Remainder Area)	0	4,887	7,158	44	85	199	0	199	24.5
526.00	Unincorporated El Dorado County (Remainder Area)	0	245	336	3	5	12	0	12	20.1
527.00	Unincorporated El Dorado County (Remainder Area)	0	7,769	9,527	361	162	380	38	418	18.6
528.00	Unincorporated El Dorado County (Remainder Area)	0	59,936	84,546	793	1,001	2,429	72	2,501	24.0
529.00	Unincorporated El Dorado County (Remainder Area)	0	918	1,150	13	15	36	0	36	25.3
530.00	Unincorporated El Dorado County (Remainder Area)	0	12,922	17,323	192	191	462	0	462	28.0
531.00	Unincorporated El Dorado County (Remainder Area)	0	2,524	3,389	35	34	82	0	82	30.7
532.00	Unincorporated El Dorado County (Remainder Area)	0	3,996	5,157	59	61	147	0	147	27.1
533.00	Unincorporated El Dorado County (Remainder Area)	0	9,310	8,574	645	105	271	34	305	30.5
534.00	Unincorporated El Dorado County (Remainder Area)	0	3,782	4,952	52	53	128	0	128	29.5
535.00	Unincorporated El Dorado County (Remainder Area)	0	5,931	7,811	74	91	221	0	221	26.8
536.00	Unincorporated El Dorado County (Remainder Area)	0	5,088	6,583	64	82	200	0	200	25.5
537.00	Unincorporated El Dorado County (Remainder Area)	0	10,390	14,148	106	165	402	0	402	25.9
538.00	Unincorporated El Dorado County (Remainder Area)	0	3,965	3,049	304	44	107	22	129	30.8
539.00	Unincorporated El Dorado County (Remainder Area)	0	12,990	1,298	2,075	6	15	166	181	72.0
540.00	Unincorporated El Dorado County (Remainder Area)	0	2,856	0	572	0	0	53	53	53.9
541.00	Unincorporated El Dorado County (Remainder Area)	0	1,050	1,118	61	18	42	6	48	21.8
542.00	Unincorporated El Dorado County (Remainder Area)	0	3,610	3,094	413	52	123	37	160	22.6
543.00	Unincorporated El Dorado County (Remainder Area)	0	10,542	2,434	1,775	49	114	107	221	47.6
544.00	Unincorporated El Dorado County (Remainder Area)	0	679	496	104	9	21	8	29	23.4
545.00	Unincorporated El Dorado County (Remainder Area)	0	1,521	2,046	16	23	54	0	54	28.3
546.00	Unincorporated El Dorado County (Remainder Area)	0	4,811	6,428	54	61	143	0	143	33.8

VMT Summary by Jurisdiction - 2018 Baseline Scenario

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
547.00	Unincorporated El Dorado County (Remainder Area)	0	4,019	523	481	10	23	46	69	57.9
548.00	Unincorporated El Dorado County (Remainder Area)	0	17,475	23,311	467	386	910	22	932	18.7
549.00	Unincorporated El Dorado County (Remainder Area)	0	2,160	2,718	39	42	99	0	99	21.8
550.00	Unincorporated El Dorado County (Remainder Area)	0	265	347	4	7	18	0	18	14.7
551.00	Unincorporated El Dorado County (Remainder Area)	0	5,421	2,524	783	41	105	54	159	34.0
552.00	Unincorporated El Dorado County (Remainder Area)	0	2,436	423	500	8	19	32	51	48.0
553.00	Unincorporated El Dorado County (Remainder Area)	0	1,568	2,058	26	32	75	0	75	21.0
554.00	Unincorporated El Dorado County (Remainder Area)	0	4,047	5,248	105	83	194	4	198	20.4
555.00	Unincorporated El Dorado County (Remainder Area)	0	1,654	2,238	24	34	80	0	80	20.6
556.00	Unincorporated El Dorado County (Remainder Area)	0	5,091	6,971	66	82	192	0	192	26.6
557.00	Unincorporated El Dorado County (Remainder Area)	0	1,694	2,093	31	35	82	1	83	20.5
558.00	Unincorporated El Dorado County (Remainder Area)	0	2,716	2,988	163	36	84	19	103	26.3
559.00	Unincorporated El Dorado County (Remainder Area)	0	1,381	1,831	17	25	59	0	59	23.6
560.00	Unincorporated El Dorado County (Remainder Area)	0	1,604	1,673	100	27	63	10	73	21.9
561.00	Unincorporated El Dorado County (Remainder Area)	0	1,182	1,578	18	22	52	0	52	22.7
562.00	Unincorporated El Dorado County (Remainder Area)	0	4,016	5,900	39	62	145	0	145	27.6
563.00	Unincorporated El Dorado County (Remainder Area)	0	2,211	3,362	17	32	71	0	71	31.3
564.00	Unincorporated El Dorado County (Remainder Area)	0	620	834	10	14	33	0	33	18.5
565.00	Unincorporated El Dorado County (Remainder Area)	0	2,632	3,669	38	56	129	0	129	20.4
566.00	Unincorporated El Dorado County (Remainder Area)	0	3,996	5,387	70	93	220	1	221	18.1
567.00	Unincorporated El Dorado County (Remainder Area)	0	671	816	25	18	42	2	44	15.4
568.00	Unincorporated El Dorado County (Remainder Area)	0	931	1,259	14	26	62	0	62	15.1
569.00	Unincorporated El Dorado County (Remainder Area)	0	3,705	2,852	298	61	144	31	175	21.1
570.00	Unincorporated El Dorado County (Remainder Area)	0	4,738	2,119	775	40	92	92	184	25.7
571.00	Unincorporated El Dorado County (Remainder Area)	0	1,371	1,843	22	33	76	0	76	18.0
572.00	Unincorporated El Dorado County (Remainder Area)	0	1,867	1,377	262	25	61	34	95	19.6
573.00	Unincorporated El Dorado County (Remainder Area)	0	6,504	7,840	121	89	197	2	199	32.7
574.00	Unincorporated El Dorado County (Remainder Area)	0	5,059	8,006	30	71	174	0	174	29.1
575.00	Unincorporated El Dorado County (Remainder Area)	0	2,777	4,117	16	29	71	0	71	39.1
576.00	Unincorporated El Dorado County (Remainder Area)	0	1,093	1,543	16	19	42	1	43	25.4
577.00	Unincorporated El Dorado County (Remainder Area)	0	753	1,117	7	13	29	0	29	26.2
578.00	Unincorporated El Dorado County (Remainder Area)	0	23,468	37,261	106	370	817	0	817	28.7
579.00	Unincorporated El Dorado County (Remainder Area)	0	3,788	5,279	100	38	96	12	108	34.9
580.00	Unincorporated El Dorado County (Remainder Area)	0	2,893	4,142	62	35	89	5	94	30.8
581.00	Unincorporated El Dorado County (Remainder Area)	0	4,278	5,106	291	43	95	32	127	33.8
582.00	Unincorporated El Dorado County (Remainder Area)	0	1,258	1,708	16	13	34	0	34	37.2
583.00	Unincorporated El Dorado County (Remainder Area)	0	27,736	43,328	212	352	774	10	784	35.4
584.00	Unincorporated El Dorado County (Remainder Area)	0	1,736	2,097	55	18	40	3	43	40.7
585.00	Unincorporated El Dorado County (Remainder Area)	0	9,569	14,366	78	124	273	0	273	35.1
586.00	Unincorporated El Dorado County (Remainder Area)	0	5,837	2,525	1,555	51	91	92	183	32.0
587.00	Unincorporated El Dorado County (Remainder Area)	0	2,277	3,414	17	39	99	0	99	22.9
588.00	Unincorporated El Dorado County (Remainder Area)	0	19,726	30,121	125	323	805	0	805	24.5
589.00	Unincorporated El Dorado County (Remainder Area)	0	393	627	2	3	12	0	12	32.7
590.00	Unincorporated El Dorado County (Remainder Area)	0	830	1,145	12	18	46	0	46	18.2
591.00	Unincorporated El Dorado County (Remainder Area)	0	86	122	1	3	8	0	8	11.3
592.00	Unincorporated El Dorado County (Remainder Area)	0	12,714	13,276	739	339	749	91	840	15.1
593.00	Unincorporated El Dorado County (Remainder Area)	0	6,940	9,089	265	151	382	28	410	16.9
594.00	Unincorporated El Dorado County (Remainder Area)	0	16,945	24,780	182	312	790	5	795	21.3
595.00	Unincorporated El Dorado County (Remainder Area)	0	1,939	1,825	265	25	56	31	87	22.2
596.00	Unincorporated El Dorado County (Remainder Area)	0	2,829	2,777	221	34	85	25	110	25.8
597.00	Unincorporated El Dorado County (Remainder Area)	0	11,029	4,036	1,914	106	234	278	512	21.5
598.00	Unincorporated El Dorado County (Remainder Area)	0	1,719	544	259	14	31	35	66	26.1
599.00	Unincorporated El Dorado County (Remainder Area)	0	712	969	11	17	38	0	38	18.9
600.00	Unincorporated El Dorado County (Remainder Area)	0	11,268	11,074	1,266	205	453	130	583	19.3
601.00	Unincorporated El Dorado County (Remainder Area)	0	1,338	1,903	4	10	22	0	22	60.9
602.00	Unincorporated El Dorado County (Remainder Area)	0	433	137	53	3	5	2	7	59.0
603.00	Unincorporated El Dorado County (Remainder Area)	0	906	729	84	11	20	2	22	42.0
604.00	Unincorporated El Dorado County (Remainder Area)	0	1,419	1,776	109	17	33	3	36	39.3
605.00	Unincorporated El Dorado County (Remainder Area)	0	1,653	1,766	86	18	38	2	40	41.3
606.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
607.00	Unincorporated El Dorado County (Remainder Area)	0	3,530	4,854	12	19	49	0	49	71.5
608.00	Unincorporated El Dorado County (Remainder Area)	0	6	0	0	1	2	0	2	2.9
609.00	Unincorporated El Dorado County (Remainder Area)	0	3,028	3,208	117	34	72	4	76	40.0
610.00	El Dorado Hills	0	38,894	185	20,450	0	0	1,745	1,745	22.3
611.00	El Dorado Hills	0	315	0	10	153	0	1	1	315.1
612.00	El Dorado Hills	0	79,244	0	44,405	0	0	3,121	3,121	25.4
613.00	Unincorporated El Dorado County (Remainder Area)	0	71	67	1	2	5	0	5	13.8
614.00	El Dorado Hills	0	5,951	7,036	115	150	383	0	383	15.6
615.00	El Dorado Hills	0	12,122	9,014	1,032	150	402	75	477	25.4
616.00	El Dorado Hills	0	1,374	1,639	25	37	94	0	94	14.7
617.00	El Dorado Hills	0	20,608	12,689	1,251	187	547	118	665	31.0
618.00	El Dorado Hills	0	3,136	0	1,248	0	0	146	146	21.5
619.00	El Dorado Hills	0	3,458	0	1,252	0	0	151	151	22.9
620.00	El Dorado Hills	0	17,790	3,464	1,776	0	0	188	188	94.6
621.00	El Dorado Hills	0	14,299	18,797	223	327	957	0	957	14.9
622.00	El Dorado Hills	0	21,947	21,514	1,625	370	1,083	147	1,230	17.8
623.00	Unincorporated El Dorado County (Remainder Area)	0	393	0	173	0	0	16	16	24.5
624.00	El Dorado Hills	0	15,659	17,550	1,193	308	905	96	1,001	15.7

VMT Summary by Jurisdiction - 2018 Baseline Scenario

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
625.00	El Dorado Hills	0	861	0	418	0	0	40	40	21.5
626.00	Unincorporated El Dorado County (Remainder Area)	0	8,700	7,509	1,120	164	383	98	481	18.1
627.00	Unincorporated El Dorado County (Remainder Area)	0	54,214	0	11,337	0	0	897	897	60.4
628.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
629.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
630.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
631.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
632.00	Unincorporated El Dorado County (Remainder Area)	0	1,446	1,742	25	37	94	0	94	15.4
633.00	Unincorporated El Dorado County (Remainder Area)	0	6,287	7,481	122	150	379	0	379	16.6
634.00	Unincorporated El Dorado County (Remainder Area)	0	6,451	7,748	122	150	379	0	379	17.0
635.00	Unincorporated El Dorado County (Remainder Area)	0	4,874	5,840	92	113	286	0	286	17.0
636.00	Unincorporated El Dorado County (Remainder Area)	0	4,366	6,094	81	120	322	0	322	13.6
637.00	Unincorporated El Dorado County (Remainder Area)	0	8,062	9,923	140	171	458	0	458	17.6
638.00	Unincorporated El Dorado County (Remainder Area)	0	1,037	1,266	16	23	62	0	62	16.8
639.00	Unincorporated El Dorado County (Remainder Area)	0	2,263	2,810	36	46	123	0	123	18.4
640.00	Unincorporated El Dorado County (Remainder Area)	0	7,666	9,534	125	176	472	0	472	16.2
641.00	Unincorporated El Dorado County (Remainder Area)	0	2,088	2,601	33	46	123	0	123	16.9
642.00	Unincorporated El Dorado County (Remainder Area)	0	28,454	33,516	1,269	637	1,708	93	1,801	15.8
643.00	Unincorporated El Dorado County (Remainder Area)	0	9,822	12,118	163	216	579	0	579	17.0
644.00	Unincorporated El Dorado County (Remainder Area)	0	2,922	3,676	47	76	194	0	194	15.1
645.00	Unincorporated El Dorado County (Remainder Area)	0	21,198	24,639	949	415	1,059	51	1,110	19.1
646.00	Unincorporated El Dorado County (Remainder Area)	0	8,819	11,040	154	192	490	0	490	18.0
647.00	Unincorporated El Dorado County (Remainder Area)	0	1,587	1,896	69	38	97	6	103	15.4
648.00	Unincorporated El Dorado County (Remainder Area)	0	1,814	2,169	46	38	97	2	99	18.3
649.00	Unincorporated El Dorado County (Remainder Area)	0	5,510	3,117	31	38	97	0	97	56.8
650.00	Outside of County	0	3,018,017	1,487,652	470,023	0	0	0	0	-
651.00	Outside of County	0	28,430	14,325	4,161	0	0	0	0	-
652.00	Outside of County	0	0	0	0	0	0	0	0	-
653.00	Outside of County	0	391,601	159,733	51,129	0	0	0	0	-
654.00	Outside of County	0	56,157	9,082	2,855	0	0	0	0	-
655.00	Outside of County	0	269,259	107,794	35,163	0	0	0	0	-
656.00	Outside of County	0	76,873	18,147	8,671	0	0	0	0	-
657.00	Outside of County	0	186,257	8,193	3,831	0	0	0	0	-
658.00	Outside of County	0	0	0	0	0	0	0	0	-
659.00	Outside of County	0	7,525	3,130	1,406	0	0	0	0	-
660.00	Outside of County	0	164,217	81,865	31,549	0	0	0	0	-
661.00	Outside of County	0	156,422	71,575	25,672	0	0	0	0	-
662.00	Outside of County	0	700,690	338,333	119,222	0	0	0	0	-
663.00	Outside of County	0	679,400	227,123	80,896	0	0	0	0	-
664.00	Outside of County	0	347,429	190,135	54,774	0	0	0	0	-
665.00	Outside of County	0	199,364	79,618	30,980	0	0	0	0	-
666.00	Outside of County	0	88,161	45,079	14,335	0	0	0	0	-
667.00	Outside of County	0	0	0	0	0	0	0	0	-
668.00	Outside of County	0	512,377	310,784	0	0	0	0	0	-
669.00	Outside of County	0	0	0	0	0	0	0	0	-
670.00	Outside of County	0	0	0	0	0	0	0	0	-
671.00	Outside of County	0	169,913	96,013	23,735	0	0	0	0	-
672.00	Outside of County	0	33,262	34,250	0	0	0	0	0	-
673.00	Outside of County	0	24,884	14,900	0	0	0	0	0	-
674.00	Outside of County	0	355,415	29,972	0	0	0	0	0	-

2040 Baseline Scenario

VMT Summary by Jurisdiction - 2040 Baseline Scenario

	VMT Estimates			VMT Efficiency Metrics			Population Details				
Jurisdiction	Total OD VMT	Home-based PA VMT	Home-based Work PA VMT	Total VMT per Service Population	Home-based VMT per Capita	Home-based Work VMT per Employee	Total Households	Total Population	Total Employment	Total Service Population	Persons Per Household
City of Placerville	403,646	62,940	105,579	24.8	8.2	12.2	3,429	7,658	8,649	16,307	2.23
Unincorporated El Dorado County	5,042,237	3,102,953	675,594	21.2	17.1	12.0	73,092	181,914	56,413	238,327	2.49
			Threshold (85% of Unincorporated El Dorado County)		14.5	10.2					

VMT Summary by Jurisdiction - 2040 Baseline Scenario

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
1.00	Unincorporated El Dorado County (Remainder Area)	0	5,577	1,771	819	47	99	36	135	41.3
2.00	Unincorporated El Dorado County (Remainder Area)	0	23,283	24,630	870	592	1,338	77	1,415	16.5
3.00	Unincorporated El Dorado County (Remainder Area)	0	5,275	6,532	98	74	180	0	180	29.4
4.00	Unincorporated El Dorado County (Remainder Area)	0	1,065	1,368	17	16	35	0	35	30.7
5.00	Unincorporated El Dorado County (Remainder Area)	0	2,584	3,591	26	33	73	0	73	35.4
6.00	Unincorporated El Dorado County (Remainder Area)	0	13,805	15,958	505	366	847	14	861	16.0
7.00	Unincorporated El Dorado County (Remainder Area)	0	24,308	26,914	1,345	565	1,223	92	1,315	18.5
8.00	Unincorporated El Dorado County (Remainder Area)	0	11,267	575	1,969	15	38	129	167	67.6
9.00	Unincorporated El Dorado County (Remainder Area)	0	25,132	30,522	627	559	1,400	13	1,413	17.8
10.00	Outside of County	0	108,486	87,346	11,383	2,178	5,588	1,056	6,644	16.3
11.00	Outside of County	0	111,997	80,769	13,767	2,148	5,511	1,297	6,808	16.5
12.00	Outside of County	0	58,773	44,883	4,878	1,179	3,234	437	3,671	16.0
13.00	Outside of County	0	34,464	40,043	1,540	906	2,458	99	2,557	13.5
14.00	Outside of County	0	59,225	68,150	1,704	1,511	4,120	78	4,198	14.1
15.00	Outside of County	0	3,041	3,912	59	58	166	0	166	18.4
16.00	Outside of County	0	56,181	21,685	7,600	659	1,614	689	2,303	24.4
17.00	Outside of County	0	161,000	141,146	14,049	2,811	7,160	1,363	8,523	18.9
18.00	Outside of County	0	84,904	96,958	3,631	1,930	4,652	246	4,898	17.3
19.00	Outside of County	0	10,270	5,762	1,091	96	217	103	320	32.1
20.00	Outside of County	0	7,630	143	4,060	2	7	283	290	26.3
21.00	Outside of County	0	26,219	73	13,535	2	4	1,082	1,086	24.1
22.00	Outside of County	0	1,683	10	335	1	1	21	22	76.5
23.00	Outside of County	0	29,007	12,699	3,659	115	322	261	583	49.7
24.00	Outside of County	0	4,209	3,133	139	133	133	0	133	31.6
25.00	Outside of County	0	0	0	0	0	0	0	0	-
26.00	Outside of County	0	109,636	103,251	7,988	2,238	5,070	642	5,712	19.2
27.00	Outside of County	0	8,221	76	3,043	2	5	338	343	24.0
28.00	Outside of County	0	240,481	201,753	17,253	4,828	12,553	1,923	14,476	16.6
29.00	Outside of County	0	8,677	11,086	163	170	486	0	486	17.9
30.00	Outside of County	0	71,035	73,528	5,820	1,194	3,041	368	3,409	20.8
31.00	Outside of County	0	10,189	5,261	599	41	106	44	150	67.7
32.00	Outside of County	0	30,011	38,869	687	692	1,811	21	1,832	16.4
33.00	Outside of County	0	38,665	48,142	1,368	857	2,183	69	2,252	17.2
34.00	Outside of County	0	6,133	5,984	702	69	156	32	188	32.6
35.00	Outside of County	0	30,842	37,467	774	812	2,092	0	2,092	14.7
36.00	Outside of County	0	37,373	45,280	905	910	2,318	0	2,318	16.1
37.00	Outside of County	0	58,191	2,570	21,985	57	142	1,643	1,785	32.6
38.00	Outside of County	0	6,657	3,876	635	57	142	45	187	35.7
39.00	Outside of County	0	16,965	14,560	2,117	514	1,180	181	1,361	12.5
40.00	Outside of County	0	75,695	22,144	16,170	851	1,972	1,905	3,877	19.5
41.00	Outside of County	0	35,443	24,462	7,537	592	1,368	567	1,935	18.3
42.00	Outside of County	0	175,509	97,906	24,675	2,081	5,108	1,911	7,019	25.0
43.00	Outside of County	0	34,551	40,416	973	849	2,170	46	2,216	15.6
44.00	Outside of County	0	110,572	81,356	8,862	1,827	4,654	791	5,445	20.3
45.00	Outside of County	0	72,610	23,160	12,084	846	1,936	1,262	3,198	22.7
46.00	Outside of County	0	5,984	6,531	150	164	375	0	375	15.9
47.00	Outside of County	0	201,201	9,498	80,144	284	681	5,991	6,672	30.2
48.00	Outside of County	0	48,147	42,713	3,724	1,211	3,071	266	3,337	14.4
49.00	Outside of County	0	109,811	586	49,788	18	45	4,248	4,293	25.6
50.00	Outside of County	0	73,223	36,351	21,786	981	2,487	1,736	4,223	17.3
51.00	Outside of County	0	97,988	51,789	15,576	1,710	4,116	1,373	5,489	17.9
52.00	Outside of County	0	30,503	15,044	3,151	279	629	279	908	33.6
53.00	Outside of County	0	78,930	47,997	10,799	1,399	3,606	983	4,589	17.2
54.00	Outside of County	0	59,817	22,507	22,177	494	1,220	1,748	2,968	20.2
55.00	Outside of County	0	76,816	30,242	13,824	639	1,471	1,127	2,598	29.6
56.00	Outside of County	0	36,016	40,247	1,285	872	2,337	56	2,393	15.0
57.00	Outside of County	0	107,258	24,206	46,054	660	1,466	4,152	5,618	19.1
58.00	Outside of County	0	36,017	26,091	4,381	613	1,587	352	1,939	18.6
59.00	Outside of County	0	45,084	90	26,765	2	5	2,191	2,196	20.5
60.00	Outside of County	0	67,902	8,286	30,755	240	512	2,711	3,223	21.1
61.00	Outside of County	0	140,399	87,296	22,426	2,381	5,595	1,810	7,405	19.0
62.00	Outside of County	0	51,641	1,929	23,725	33	110	2,000	2,110	24.5
63.00	Outside of County	0	65,971	5,287	26,981	143	350	2,462	2,812	23.5
64.00	Outside of County	0	128,949	73,483	20,622	2,031	5,053	1,733	6,786	19.0
65.00	Outside of County	0	5,599	6,327	125	127	328	0	328	17.1
66.00	Outside of County	0	37,694	28,192	4,165	887	2,117	331	2,448	15.4
67.00	Outside of County	0	117,020	21,912	38,405	633	1,374	3,381	4,755	24.6
68.00	Outside of County	0	38,606	12,450	10,773	453	946	1,002	1,948	19.8
69.00	Outside of County	0	240,406	69,515	96,278	1,950	5,172	7,364	12,536	19.2
70.00	Outside of County	0	160,478	1,049	96,174	15	38	7,503	7,541	21.3
71.00	Outside of County	0	216,856	131,337	32,088	2,596	6,730	2,417	9,147	23.7
72.00	Outside of County	0	269,467	750	154,094	0	0	10,084	10,084	26.7
73.00	Outside of County	0	96,236	0	60,285	0	0	4,612	4,612	20.9
74.00	Outside of County	0	134,490	17,437	65,999	546	1,335	5,255	6,590	20.4

VMT Summary by Jurisdiction - 2040 Baseline Scenario

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
75.00	Outside of County	0	84,202	62,232	16,925	1,946	4,535	1,072	5,607	15.0
76.00	Outside of County	0	27,691	16,903	3,797	497	1,333	313	1,646	16.8
77.00	Outside of County	0	80,840	41,776	19,346	1,068	2,684	1,384	4,068	19.9
78.00	Outside of County	0	70,420	0	20,196	1	2	1,777	1,779	39.6
79.00	Outside of County	0	75,763	58,024	9,204	1,345	3,258	620	3,878	19.5
80.00	Outside of County	0	33,570	0	16,311	0	0	1,306	1,306	25.7
81.00	Outside of County	0	178,581	0	99,760	0	0	7,809	7,809	22.9
82.00	Outside of County	0	52,351	0	25,971	0	0	2,171	2,171	24.1
83.00	Outside of County	0	51,010	34,487	6,753	590	1,536	460	1,996	25.6
84.00	Outside of County	0	51,746	42,015	4,072	1,305	3,049	306	3,355	15.4
85.00	Outside of County	0	54,629	45,545	4,618	1,261	3,154	354	3,508	15.6
86.00	Outside of County	0	84,779	60,757	8,187	1,996	4,538	681	5,219	16.2
87.00	Outside of County	0	63,414	50,564	7,466	1,845	3,996	613	4,609	13.8
88.00	Outside of County	0	71,073	42,292	8,187	1,184	2,955	696	3,651	19.5
89.00	Outside of County	0	18,652	0	6,015	0	0	455	455	41.0
90.00	Outside of County	0	56,882	2,014	28,031	92	157	2,453	2,610	21.8
91.00	Outside of County	0	99,198	13,519	36,251	389	997	3,846	4,843	20.5
92.00	Outside of County	0	50,863	47,767	2,466	1,234	2,964	133	3,097	16.4
93.00	Outside of County	0	93,216	64,870	18,649	1,374	3,459	1,484	4,943	18.9
94.00	Outside of County	0	1,125	102	456	2	4	41	45	25.0
95.00	Outside of County	0	119,957	0	63,185	0	0	4,542	4,542	26.4
96.00	Outside of County	0	160,963	53,684	54,076	1,026	2,520	3,884	6,404	25.1
97.00	Outside of County	0	57,299	51,467	4,469	1,030	2,624	349	2,973	19.3
98.00	Outside of County	0	84,308	13,260	27,261	375	984	2,705	3,689	22.9
99.00	Outside of County	0	71,250	27,674	23,074	806	1,976	2,391	4,367	16.3
100.00	Outside of County	0	21,474	26,993	440	470	1,178	0	1,178	18.2
101.00	Outside of County	0	54,838	41,910	8,797	869	2,253	822	3,075	17.8
102.00	Outside of County	0	22,160	5,203	6,155	92	237	467	704	31.5
103.00	Outside of County	0	96,154	107,011	3,994	2,474	5,823	281	6,104	15.8
104.00	Outside of County	0	60,057	9,222	12,931	184	451	868	1,319	45.5
105.00	Outside of County	0	40,776	52,407	879	1,011	2,513	10	2,523	16.2
106.00	Outside of County	0	6,839	0	3,166	0	0	283	283	24.2
107.00	Outside of County	0	296,406	40,382	94,449	1,362	3,008	7,445	10,453	28.4
108.00	Outside of County	0	27,008	16,940	5,680	370	988	479	1,467	18.4
109.00	Outside of County	0	16,618	0	7,326	0	0	563	563	29.5
110.00	Outside of County	0	62,156	8,647	28,456	209	495	2,207	2,702	23.0
111.00	Outside of County	0	81,795	7,429	15,287	223	512	1,049	1,561	52.4
112.00	Outside of County	0	133,552	30,397	26,842	763	2,056	2,119	4,175	32.0
113.00	Outside of County	0	53,819	115	23,681	0	0	2,386	2,386	22.6
114.00	Outside of County	0	36,060	29,492	6,410	809	2,141	572	2,713	13.3
115.00	Outside of County	0	153,182	86,205	20,787	1,900	4,875	1,584	6,459	23.7
116.00	Outside of County	0	2,991	0	1,474	0	0	116	116	25.8
117.00	Outside of County	0	51,596	17,174	15,342	327	920	1,448	2,368	21.8
118.00	Outside of County	0	76,582	80,927	3,240	2,338	6,182	191	6,373	12.0
119.00	Outside of County	0	133,930	7,155	62,174	216	540	6,222	6,762	19.8
120.00	Outside of County	0	176,902	0	43,368	0	0	4,669	4,669	37.9
121.00	Outside of County	0	137,388	48,395	19,509	1,513	3,882	1,917	5,799	23.7
122.00	Outside of County	0	56,501	14,997	10,481	533	1,248	1,125	2,373	23.8
123.00	Outside of County	0	28,595	6,998	5,098	200	547	536	1,083	26.4
124.00	Outside of County	0	52,817	48,084	2,776	1,044	2,229	168	2,397	22.0
125.00	Outside of County	0	27,933	9,995	5,545	414	817	583	1,400	20.0
126.00	Outside of County	0	16,243	4,837	2,898	156	342	274	616	26.4
127.00	Outside of County	0	38,646	33,709	2,382	870	1,855	169	2,024	19.1
128.00	Outside of County	0	66,050	47,193	6,765	1,262	2,600	538	3,138	21.0
129.00	Outside of County	0	41,333	43,608	1,825	1,045	2,302	117	2,419	17.1
130.00	Outside of County	0	21,004	9,167	2,657	342	786	298	1,084	19.4
131.00	Outside of County	0	47,353	14,668	11,269	494	1,013	1,272	2,285	20.7
132.00	Outside of County	0	27,968	23,222	2,759	556	1,258	235	1,493	18.7
133.00	Outside of County	0	118,100	58,239	14,396	2,077	5,182	1,628	6,810	17.3
134.00	Outside of County	0	61,149	30,010	18,017	1,074	2,483	1,578	4,061	15.1
135.00	Outside of County	0	50,360	0	27,533	0	0	2,740	2,740	18.4
136.00	Outside of County	0	25,821	27,605	1,369	661	1,688	93	1,781	14.5
137.00	Outside of County	0	112,329	102,589	6,994	2,426	6,986	595	7,581	14.8
138.00	El Dorado Diamond Springs	0	21,919	6,082	4,329	264	577	297	874	25.1
139.00	El Dorado Diamond Springs	0	10,536	1,345	1,705	67	144	156	300	35.1
140.00	El Dorado Diamond Springs	0	56,900	127	10,262	10	22	811	833	68.3
141.00	Unincorporated El Dorado County (Remainder Area)	0	1,488	1,667	28	21	49	0	49	30.3
142.00	Unincorporated El Dorado County (Remainder Area)	0	6,586	6,517	171	156	347	0	347	19.0
143.00	Unincorporated El Dorado County (Remainder Area)	0	4,208	3,324	255	108	240	12	252	16.7
144.00	Unincorporated El Dorado County (Remainder Area)	0	4,019	3,572	339	80	200	21	221	18.2
145.00	Unincorporated El Dorado County (Remainder Area)	0	742	650	25	30	70	0	70	10.6
146.00	El Dorado Diamond Springs	0	6,251	2,345	1,107	114	261	98	359	17.4
147.00	El Dorado Diamond Springs	0	3,727	3,553	131	165	378	0	378	9.8
148.00	Outside of County	0	155,420	185,969	5,362	2,264	5,302	120	5,422	28.7

VMT Summary by Jurisdiction - 2040 Baseline Scenario

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
149.00	Shingle Springs	0	16,644	1,750	3,538	53	149	287	436	38.2
150.00	Unincorporated El Dorado County (Remainder Area)	0	6,010	6,830	131	107	254	0	254	23.7
151.00	Unincorporated El Dorado County (Remainder Area)	0	1,302	1,727	19	23	67	0	67	19.5
152.00	Shingle Springs	0	34,226	6,129	5,240	201	488	370	858	39.9
153.00	Unincorporated El Dorado County (Remainder Area)	0	8,548	8,130	247	290	623	0	623	13.7
154.00	Unincorporated El Dorado County (Remainder Area)	0	6,923	7,061	192	254	597	0	597	11.6
155.00	Shingle Springs	0	5,210	5,654	133	154	406	0	406	12.8
156.00	Unincorporated El Dorado County (Remainder Area)	0	2,047	2,316	57	27	68	1	69	29.7
157.00	El Dorado Hills	0	8,646	10,861	168	273	790	0	790	10.9
158.00	Cameron Park	0	17,384	18,613	505	624	1,431	11	1,442	12.1
159.00	Cameron Park	0	15,343	14,559	1,449	446	1,082	114	1,196	12.8
160.00	Shingle Springs	0	18,392	16,609	1,167	504	1,223	70	1,293	14.2
161.00	El Dorado Hills	0	11,353	14,244	210	290	754	0	754	15.1
162.00	El Dorado Hills	0	57,372	77,615	887	1,503	4,465	0	4,465	12.8
163.00	El Dorado Hills	0	37,646	7,638	5,100	165	490	438	928	40.6
164.00	El Dorado Hills	0	61,232	0	32,391	0	0	3,124	3,124	19.6
165.00	El Dorado Hills	0	17,367	20,569	424	551	1,369	0	1,369	12.7
166.00	Outside of County	0	28,692	30,496	1,012	766	1,965	50	2,015	14.2
167.00	El Dorado Hills	0	47,835	46,337	2,359	1,520	3,531	111	3,641	13.1
168.00	El Dorado Hills	0	26,965	29,653	1,084	1,133	2,632	35	2,667	10.1
169.00	El Dorado Hills	0	118,869	5,595	25,708	208	517	2,484	3,001	39.6
170.00	El Dorado Hills	0	46,923	722	23,705	26	65	2,562	2,627	17.9
171.00	El Dorado Hills	0	16,341	16,278	1,064	441	1,081	68	1,148	14.2
172.00	El Dorado Hills	0	9,465	0	1,696	0	0	158	158	59.9
173.00	El Dorado Hills	0	46,417	0	11,158	0	0	1,140	1,140	40.7
174.00	Unincorporated El Dorado County (Remainder Area)	0	3,863	1,487	1,078	15	38	54	92	42.1
175.00	Unincorporated El Dorado County (Remainder Area)	0	2,612	630	484	10	24	22	46	57.1
176.00	Unincorporated El Dorado County (Remainder Area)	0	3,211	3,633	70	58	137	0	137	23.4
177.00	Unincorporated El Dorado County (Remainder Area)	0	11,090	8,569	1,814	147	370	130	500	22.2
178.00	Unincorporated El Dorado County (Remainder Area)	0	4,884	5,616	138	87	223	3	226	21.6
179.00	Unincorporated El Dorado County (Remainder Area)	0	737	932	12	21	55	0	55	13.5
180.00	El Dorado Hills	0	18,216	22,374	354	450	1,155	0	1,155	15.8
181.00	El Dorado Hills	0	6,992	5,404	692	120	315	61	376	18.6
182.00	Cameron Park	0	39,176	47,651	767	1,244	3,262	0	3,262	12.0
183.00	Unincorporated El Dorado County (Remainder Area)	0	11,007	11,993	270	354	832	0	832	13.2
184.00	Cameron Park	0	39,181	16,173	4,511	417	1,093	425	1,518	25.8
185.00	Cameron Park	0	3,898	4,376	86	152	349	0	349	11.2
186.00	Cameron Park	0	50,840	4,599	8,898	170	390	896	1,286	39.5
187.00	Cameron Park	0	10,759	7,112	1,208	247	566	104	670	16.0
188.00	Cameron Park	0	6,611	5,630	598	213	489	49	538	12.3
189.00	Unincorporated El Dorado County (Remainder Area)	0	2,454	3,141	40	36	100	0	100	24.4
190.00	Unincorporated El Dorado County (Remainder Area)	0	10,416	13,307	182	255	712	0	712	14.6
191.00	El Dorado Hills	0	1,437	1,825	24	39	109	0	109	13.2
192.00	El Dorado Hills	0	866	1,089	14	25	69	0	69	12.5
193.00	El Dorado Hills	0	14,290	5,231	3,682	156	406	361	768	18.6
194.00	El Dorado Hills	0	15,034	19,467	268	439	1,297	0	1,297	11.6
195.00	El Dorado Hills	0	9,027	469	2,007	10	26	176	203	44.5
196.00	Outside of County	0	52,397	59,847	1,724	1,148	3,198	97	3,295	15.9
197.00	El Dorado Hills	0	3,186	3,921	56	85	225	0	225	14.2
198.00	El Dorado Hills	0	69,020	39,116	6,079	887	2,476	623	3,099	22.3
199.00	El Dorado Hills	0	11,332	2,877	1,620	62	173	143	316	35.9
200.00	El Dorado Hills	0	6,394	305	1,223	7	19	121	140	45.8
201.00	El Dorado Hills	0	20,651	6,786	2,765	150	443	269	712	29.0
202.00	El Dorado Hills	0	37,475	35,429	2,120	762	2,127	169	2,296	16.3
203.00	El Dorado Hills	0	51,666	65,660	1,162	1,300	3,762	43	3,805	13.6
204.00	El Dorado Hills	0	17,153	16,147	639	362	1,048	48	1,096	15.6
205.00	El Dorado Hills	0	504	0	244	0	0	30	30	16.8
206.00	El Dorado Hills	0	1,622	2,074	28	51	148	0	148	11.0
207.00	El Dorado Hills	0	12,923	16,554	220	304	880	0	880	14.7
208.00	Unincorporated El Dorado County (Remainder Area)	0	325	424	5	9	26	0	26	12.5
209.00	El Dorado Hills	0	11,559	4,446	1,414	88	254	118	372	31.1
210.00	El Dorado Hills	0	6,340	8,147	109	162	479	0	479	13.2
211.00	Unincorporated El Dorado County (Remainder Area)	0	135	178	2	4	11	0	11	11.9
212.00	El Dorado Hills	0	2,394	3,100	38	53	153	0	153	15.6
213.00	Unincorporated El Dorado County (Remainder Area)	0	9,180	11,783	154	193	534	0	534	17.2
214.00	Unincorporated El Dorado County (Remainder Area)	0	2,328	3,353	31	31	76	0	76	30.8
215.00	El Dorado Hills	0	6,798	8,623	121	148	413	0	413	16.5
216.00	Unincorporated El Dorado County (Remainder Area)	0	1,749	2,460	26	23	56	0	56	31.2
217.00	Unincorporated El Dorado County (Remainder Area)	0	587	759	9	11	31	0	31	19.1
218.00	Unincorporated El Dorado County (Remainder Area)	0	1,510	1,891	26	28	78	0	78	19.3
219.00	Unincorporated El Dorado County (Remainder Area)	0	3,903	4,955	67	69	191	0	191	20.4
220.00	Unincorporated El Dorado County (Remainder Area)	0	471	632	6	9	25	0	25	18.9
221.00	El Dorado Hills	0	37,326	48,591	581	999	2,596	0	2,596	14.4
222.00	Cameron Park	0	2,165	1,463	427	34	90	58	148	14.6

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223.00	Cameron Park	0	5,504	7,081	79	174	461	0	461	11.9
224.00	Unincorporated El Dorado County (Remainder Area)	0	8,565	7,314	500	144	382	37	419	20.5
225.00	Unincorporated El Dorado County (Remainder Area)	0	23,221	10,893	2,967	147	424	277	702	33.1
226.00	Cameron Park	0	27,514	26,959	1,255	550	1,591	118	1,709	16.1
227.00	Cameron Park	0	8,651	10,994	207	281	689	10	699	12.4
228.00	Cameron Park	0	20,463	24,983	508	724	1,775	25	1,800	11.4
229.00	El Dorado Hills	0	41,462	34,471	2,382	793	2,061	237	2,298	18.0
230.00	El Dorado Hills	0	22,862	27,784	343	557	1,655	0	1,655	13.8
231.00	Unincorporated El Dorado County (Remainder Area)	0	4,978	6,651	73	134	388	0	388	12.8
232.00	Unincorporated El Dorado County (Remainder Area)	0	4,539	5,862	73	87	241	0	241	18.9
233.00	Cameron Park	0	8,471	3,660	748	116	266	100	366	23.1
234.00	Cameron Park	0	55,511	33,426	5,094	1,085	2,488	670	3,158	17.6
235.00	Cameron Park	0	42,235	54,330	640	1,322	3,580	2	3,582	11.8
236.00	Cameron Park	0	14,727	19,307	262	473	1,281	9	1,290	11.4
237.00	Cameron Park	0	2,247	2,615	46	78	179	0	179	12.6
238.00	Cameron Park	0	39,546	15,069	5,313	415	1,018	527	1,545	25.6
239.00	Cameron Park	0	2,338	3,345	35	86	228	0	228	10.3
240.00	Unincorporated El Dorado County (Remainder Area)	0	6,561	8,295	109	137	363	0	363	18.1
241.00	Cameron Park	0	14,966	7,538	1,277	181	480	151	631	23.7
242.00	Cameron Park	0	698	904	9	24	64	0	64	11.0
243.00	Cameron Park	0	2,017	2,585	32	61	162	1	163	12.4
244.00	Unincorporated El Dorado County (Remainder Area)	0	3,006	3,713	57	51	128	0	128	23.5
245.00	Unincorporated El Dorado County (Remainder Area)	0	772	999	11	10	30	0	30	25.7
246.00	Unincorporated El Dorado County (Remainder Area)	0	3,912	5,184	56	63	189	0	189	20.7
247.00	Unincorporated El Dorado County (Remainder Area)	0	13,625	14,348	352	296	636	0	636	21.4
248.00	Unincorporated El Dorado County (Remainder Area)	0	13,273	10,381	942	182	431	39	470	28.2
249.00	Unincorporated El Dorado County (Remainder Area)	0	3,358	1,860	529	26	56	25	81	41.5
250.00	Unincorporated El Dorado County (Remainder Area)	0	2,870	3,279	60	53	124	0	124	23.1
251.00	Unincorporated El Dorado County (Remainder Area)	0	5,625	6,213	136	139	363	0	363	15.5
252.00	Unincorporated El Dorado County (Remainder Area)	0	24,724	28,716	576	666	1,756	0	1,756	14.1
253.00	Unincorporated El Dorado County (Remainder Area)	0	7,485	8,850	159	149	410	0	410	18.3
254.00	Unincorporated El Dorado County (Remainder Area)	0	5,268	5,898	122	119	311	0	311	16.9
255.00	Cameron Park	0	64,954	0	14,885	0	0	1,405	1,405	46.2
256.00	Cameron Park	0	44,527	1,998	10,490	72	175	872	1,047	42.5
257.00	Shingle Springs	0	62,227	15,348	14,601	511	1,335	1,312	2,647	23.5
258.00	Unincorporated El Dorado County (Remainder Area)	0	2,120	2,523	40	36	99	0	99	21.4
259.00	Unincorporated El Dorado County (Remainder Area)	0	2,603	3,101	52	50	132	0	132	19.8
260.00	Shingle Springs	0	27,087	140	5,665	5	15	441	456	59.4
261.00	Shingle Springs	0	27,150	3,584	4,859	121	333	388	721	37.7
262.00	Shingle Springs	0	40,675	5,472	6,539	203	530	514	1,044	39.0
263.00	Shingle Springs	0	10,047	3,816	1,485	121	333	119	452	22.2
264.00	Shingle Springs	0	7,892	3,089	1,056	97	267	82	349	22.6
265.00	Unincorporated El Dorado County (Remainder Area)	0	1,956	2,209	43	44	116	0	116	16.9
266.00	Unincorporated El Dorado County (Remainder Area)	0	6,118	1,664	666	41	88	33	121	50.5
267.00	Unincorporated El Dorado County (Remainder Area)	0	8,695	10,038	219	240	633	0	633	13.7
268.00	Unincorporated El Dorado County (Remainder Area)	0	3,023	3,094	171	72	190	10	200	15.1
269.00	Unincorporated El Dorado County (Remainder Area)	0	13,580	9,332	1,442	217	558	81	639	21.2
270.00	Unincorporated El Dorado County (Remainder Area)	0	6,207	2,667	678	54	135	39	174	35.7
271.00	Unincorporated El Dorado County (Remainder Area)	0	9,840	9,935	735	172	442	50	492	20.0
272.00	Unincorporated El Dorado County (Remainder Area)	0	9,795	6,482	806	145	407	55	462	21.2
273.00	Unincorporated El Dorado County (Remainder Area)	0	7,439	8,885	376	138	400	22	422	17.6
274.00	Unincorporated El Dorado County (Remainder Area)	0	21,558	18,879	1,567	411	1,153	122	1,275	16.9
275.00	Unincorporated El Dorado County (Remainder Area)	0	14,758	17,112	337	379	971	0	971	15.2
276.00	Cameron Park	0	28,055	18,733	2,074	535	1,312	179	1,491	18.8
277.00	Cameron Park	0	4,944	5,796	100	176	427	0	427	11.6
278.00	Unincorporated El Dorado County (Remainder Area)	0	5,749	5,977	217	100	265	10	275	20.9
279.00	Unincorporated El Dorado County (Remainder Area)	0	2,919	3,719	49	55	146	0	146	20.0
280.00	Unincorporated El Dorado County (Remainder Area)	0	1,438	1,677	31	37	103	0	103	14.0
281.00	Unincorporated El Dorado County (Remainder Area)	0	4,881	4,202	427	85	238	28	266	18.3
282.00	Unincorporated El Dorado County (Remainder Area)	0	1,390	1,617	30	39	109	0	109	12.7
283.00	Shingle Springs	0	15,332	3,049	2,225	0	0	197	197	77.8
284.00	Shingle Springs	0	4,299	1,009	657	36	87	53	140	30.6
285.00	Unincorporated El Dorado County (Remainder Area)	0	14,061	2,737	2,962	53	154	233	387	36.3
286.00	Unincorporated El Dorado County (Remainder Area)	0	1,660	2,071	30	36	101	0	101	16.4
287.00	Unincorporated El Dorado County (Remainder Area)	0	1,395	1,685	27	34	87	0	87	16.0
288.00	Unincorporated El Dorado County (Remainder Area)	0	2,174	2,688	40	50	140	0	140	15.5
289.00	Unincorporated El Dorado County (Remainder Area)	0	320	421	5	8	23	0	23	13.8
290.00	Unincorporated El Dorado County (Remainder Area)	0	2,045	2,614	35	44	128	0	128	16.0
291.00	Unincorporated El Dorado County (Remainder Area)	0	12,413	15,726	238	254	647	0	647	19.2
292.00	Unincorporated El Dorado County (Remainder Area)	0	4,243	5,672	64	72	209	0	209	20.3
293.00	Unincorporated El Dorado County (Remainder Area)	0	1,294	1,289	36	41	90	0	90	14.4
294.00	Unincorporated El Dorado County (Remainder Area)	0	4,477	4,692	122	129	321	0	321	14.0
295.00	Unincorporated El Dorado County (Remainder Area)	0	62,264	4,926	22,499	110	282	1,540	1,822	34.2
296.00	El Dorado Diamond Springs	0	52,128	6,599	9,732	188	496	729	1,225	42.6

VMT Summary by Jurisdiction - 2040 Baseline Scenario

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
297.00	Unincorporated El Dorado County (Remainder Area)	0	2,262	2,673	62	79	208	0	208	10.9
298.00	Unincorporated El Dorado County (Remainder Area)	0	2,829	3,081	71	79	208	0	208	13.6
299.00	Unincorporated El Dorado County (Remainder Area)	0	4,994	5,716	112	114	293	0	293	17.0
300.00	Unincorporated El Dorado County (Remainder Area)	0	1,728	1,917	41	45	116	0	116	14.9
301.00	Unincorporated El Dorado County (Remainder Area)	0	624	549	41	20	44	3	47	13.4
302.00	Unincorporated El Dorado County (Remainder Area)	0	3,867	2,605	208	89	194	10	204	18.9
303.00	El Dorado Diamond Springs	0	4,188	2,682	443	106	228	28	255	16.4
304.00	El Dorado Diamond Springs	0	8,292	283	2,652	12	26	269	296	28.1
305.00	El Dorado Diamond Springs	0	10,709	0	4,971	1	2	536	539	19.9
306.00	El Dorado Diamond Springs	0	7,895	3,170	1,348	128	275	110	386	20.5
307.00	El Dorado Diamond Springs	0	2,949	2,816	92	112	257	0	257	11.5
308.00	El Dorado Diamond Springs	0	239	245	6	12	28	0	28	8.7
309.00	El Dorado Diamond Springs	0	808	720	26	34	74	0	74	10.9
310.00	El Dorado Diamond Springs	0	13,788	638	2,504	29	66	220	286	48.2
311.00	El Dorado Diamond Springs	0	3,547	1,728	438	75	164	33	197	18.0
312.00	El Dorado Diamond Springs	0	9,915	6,814	976	310	711	71	782	12.7
313.00	El Dorado Diamond Springs	0	23,526	3,405	7,013	71	178	534	712	33.0
314.00	El Dorado Diamond Springs	0	10,542	2,505	1,454	100	249	103	352	30.0
315.00	Outside of County	0	0	0	0	0	0	0	0	-
316.00	El Dorado Diamond Springs	0	674	642	22	31	68	0	68	10.0
317.00	El Dorado Diamond Springs	0	140	126	4	8	17	0	17	8.0
318.00	Unincorporated El Dorado County (Remainder Area)	0	8,111	4,743	732	182	452	41	493	16.4
319.00	El Dorado Diamond Springs	0	1,396	1,289	45	57	143	0	143	9.8
320.00	Unincorporated El Dorado County (Remainder Area)	0	4,885	1,581	810	19	48	61	109	44.7
321.00	Unincorporated El Dorado County (Remainder Area)	0	5,212	6,158	137	116	295	2	297	17.5
322.00	Unincorporated El Dorado County (Remainder Area)	0	10,673	10,591	570	242	623	26	649	16.5
323.00	Unincorporated El Dorado County (Remainder Area)	0	8,272	3,756	1,838	67	172	139	311	26.6
324.00	Unincorporated El Dorado County (Remainder Area)	0	7,025	3,631	697	73	183	39	222	31.7
325.00	Unincorporated El Dorado County (Remainder Area)	0	717	836	16	20	51	0	51	14.1
326.00	Unincorporated El Dorado County (Remainder Area)	0	2,083	2,471	49	57	145	0	145	14.4
327.00	Placerville	0	3,209	3,505	82	84	210	0	210	15.3
328.00	Unincorporated El Dorado County (Remainder Area)	0	696	793	16	19	48	0	48	14.6
329.00	Placerville	0	4,820	4,856	140	156	360	0	360	13.4
330.00	Unincorporated El Dorado County (Remainder Area)	0	3,484	3,705	94	109	273	0	273	12.8
331.00	Unincorporated El Dorado County (Remainder Area)	0	6,120	6,990	140	130	325	0	325	18.8
332.00	Unincorporated El Dorado County (Remainder Area)	0	1,432	1,528	38	47	105	0	105	13.6
333.00	Unincorporated El Dorado County (Remainder Area)	0	3,938	4,510	87	91	225	0	225	17.5
334.00	Unincorporated El Dorado County (Remainder Area)	0	1,640	1,002	256	26	58	18	76	21.5
335.00	Unincorporated El Dorado County (Remainder Area)	0	2,801	3,021	73	76	163	0	163	17.2
336.00	Unincorporated El Dorado County (Remainder Area)	0	1,045	1,118	26	30	66	0	66	15.8
337.00	Unincorporated El Dorado County (Remainder Area)	0	10,198	6,044	1,758	124	304	128	432	23.6
338.00	Unincorporated El Dorado County (Remainder Area)	0	13,834	15,709	397	350	900	11	911	15.2
339.00	Unincorporated El Dorado County (Remainder Area)	0	9,273	12,029	145	224	508	0	508	18.3
340.00	Unincorporated El Dorado County (Remainder Area)	0	8,019	5,276	510	95	202	30	232	34.5
341.00	Unincorporated El Dorado County (Remainder Area)	0	1,630	1,556	172	34	75	16	91	18.0
342.00	Unincorporated El Dorado County (Remainder Area)	0	2,375	2,733	49	48	123	0	123	19.2
343.00	Unincorporated El Dorado County (Remainder Area)	0	4,958	5,767	91	78	177	0	177	28.1
344.00	Unincorporated El Dorado County (Remainder Area)	0	5,861	6,947	107	92	208	0	208	28.1
345.00	Unincorporated El Dorado County (Remainder Area)	0	2,005	2,121	39	34	77	0	77	26.1
346.00	Unincorporated El Dorado County (Remainder Area)	0	1,267	1,247	28	23	51	0	51	24.8
347.00	Unincorporated El Dorado County (Remainder Area)	0	2,642	3,127	49	42	108	0	108	24.5
348.00	Unincorporated El Dorado County (Remainder Area)	0	2,505	2,468	59	48	107	0	107	23.5
349.00	Unincorporated El Dorado County (Remainder Area)	0	8,160	4,922	577	94	193	34	227	35.9
350.00	Unincorporated El Dorado County (Remainder Area)	0	987	1,147	17	20	45	0	45	21.8
351.00	Unincorporated El Dorado County (Remainder Area)	0	1,469	1,853	23	31	70	0	70	20.9
352.00	Unincorporated El Dorado County (Remainder Area)	0	2,102	2,701	31	38	86	0	86	24.4
353.00	Unincorporated El Dorado County (Remainder Area)	0	10,678	10,292	512	200	453	43	496	21.5
354.00	Unincorporated El Dorado County (Remainder Area)	0	7,011	4,699	456	68	154	43	197	35.6
355.00	Placerville	1	27,205	5,137	4,963	257	594	387	981	27.7
356.00	Placerville	1	2,711	2,556	91	109	235	0	235	11.6
357.00	Unincorporated El Dorado County (Remainder Area)	0	8,042	4,243	728	133	294	42	336	23.9
358.00	Placerville	0	10,297	3,363	1,630	128	283	123	406	25.4
359.00	Unincorporated El Dorado County (Remainder Area)	0	3,540	3,686	94	105	247	0	247	14.3
360.00	Unincorporated El Dorado County (Remainder Area)	0	4,180	4,550	98	97	228	0	228	18.3
361.00	Placerville	1	26,989	10,058	4,607	570	1,189	370	1,558	17.3
362.00	Placerville	1	46,670	3,856	7,966	194	457	616	1,073	43.5
363.00	Unincorporated El Dorado County (Remainder Area)	0	416	428	12	19	48	0	48	8.7
364.00	Placerville	0	4,535	3,718	415	173	439	28	466	9.7
365.00	El Dorado Diamond Springs	0	24,235	9,333	2,984	541	1,147	223	1,370	17.7
366.00	El Dorado Diamond Springs	0	10,584	1,561	1,636	108	232	146	378	28.0
367.00	El Dorado Diamond Springs	0	7,168	0	3,549	0	0	398	398	18.0
368.00	El Dorado Diamond Springs	0	4,905	1,336	823	68	157	81	238	20.6
369.00	El Dorado Diamond Springs	0	14,199	8,875	1,412	485	1,088	114	1,202	11.8
370.00	El Dorado Diamond Springs	0	6,930	78	2,913	0	0	317	317	21.9

VMT Summary by Jurisdiction - 2040 Baseline Scenario

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371.00	El Dorado Diamond Springs	0	2,152	2,077	61	69	155	0	155	13.9
372.00	El Dorado Diamond Springs	0	28,663	14,060	3,147	559	1,254	296	1,550	18.5
373.00	El Dorado Diamond Springs	0	556	494	18	27	62	0	62	9.0
374.00	El Dorado Diamond Springs	0	1,046	276	116	14	32	10	42	24.8
375.00	El Dorado Diamond Springs	0	361	329	11	15	34	0	34	10.5
376.00	El Dorado Diamond Springs	0	1,492	726	219	34	78	17	95	15.7
377.00	El Dorado Diamond Springs	0	723	318	170	14	32	16	48	15.0
378.00	El Dorado Diamond Springs	0	547	518	16	27	62	0	62	8.8
379.00	El Dorado Diamond Springs	0	941	874	29	48	111	0	111	8.5
380.00	El Dorado Diamond Springs	0	196	186	6	12	28	0	28	7.1
381.00	El Dorado Diamond Springs	0	115	111	3	7	16	0	16	7.2
382.00	El Dorado Diamond Springs	0	222	184	8	11	25	0	25	8.7
383.00	Unincorporated El Dorado County (Remainder Area)	0	2,357	2,392	64	80	179	0	179	13.1
384.00	El Dorado Diamond Springs	0	4,504	4,469	123	174	390	0	390	11.5
385.00	El Dorado Diamond Springs	0	14,274	13,898	540	600	1,346	14	1,360	10.5
386.00	El Dorado Diamond Springs	0	2,238	2,243	60	90	202	0	202	11.1
387.00	El Dorado Diamond Springs	0	3,281	744	471	36	81	44	124	26.4
388.00	El Dorado Diamond Springs	0	5,459	0	2,606	0	0	278	278	19.6
389.00	El Dorado Diamond Springs	0	5,903	19	2,148	2	5	240	245	24.1
390.00	El Dorado Diamond Springs	0	7,345	4,866	735	311	670	54	724	10.1
391.00	El Dorado Diamond Springs	0	6,028	144	968	11	24	92	116	52.0
392.00	El Dorado Diamond Springs	0	1,014	475	89	28	60	5	66	15.5
393.00	El Dorado Diamond Springs	0	25,639	4,760	3,793	281	645	288	932	27.5
394.00	El Dorado Diamond Springs	0	6,140	111	2,051	8	18	168	186	33.0
395.00	Placerville	1	80,005	1,459	29,650	98	206	2,613	2,819	28.4
396.00	El Dorado Diamond Springs	0	30,664	0	5,532	0	0	425	425	72.2
397.00	El Dorado Diamond Springs	0	1,453	905	120	50	109	7	116	12.5
398.00	El Dorado Diamond Springs	0	1,155	266	144	14	32	11	43	26.7
399.00	El Dorado Diamond Springs	0	959	834	33	43	99	0	99	9.7
400.00	El Dorado Diamond Springs	0	7,340	210	1,237	16	35	97	132	55.8
401.00	Placerville	0	26,880	942	4,574	57	121	337	458	58.7
402.00	El Dorado Diamond Springs	0	4,675	2,567	1,032	137	344	103	447	10.5
403.00	El Dorado Diamond Springs	0	31,547	2,590	12,686	124	267	906	1,174	26.9
404.00	El Dorado Diamond Springs	0	1,727	303	333	19	44	32	76	22.8
405.00	El Dorado Diamond Springs	0	1,669	148	251	9	21	21	41	40.2
406.00	El Dorado Diamond Springs	0	26,221	386	4,385	24	55	339	395	66.5
407.00	El Dorado Diamond Springs	0	16,201	554	3,223	39	84	285	369	43.9
408.00	El Dorado Diamond Springs	0	5,521	0	2,366	1	2	279	281	19.6
409.00	Placerville	0	37,977	3,517	8,041	162	410	610	1,019	37.3
410.00	El Dorado Diamond Springs	0	40,316	14,331	5,587	602	1,418	423	1,840	21.9
411.00	Placerville	1	55,481	5,299	11,419	335	793	982	1,775	31.3
412.00	Unincorporated El Dorado County (Remainder Area)	0	3,441	3,309	105	114	271	0	271	12.7
413.00	Placerville	0	4,918	4,594	170	199	472	1	473	10.4
414.00	El Dorado Diamond Springs	0	20,103	92	5,325	7	15	561	576	34.9
415.00	Unincorporated El Dorado County (Remainder Area)	0	437	320	42	18	38	4	42	10.3
416.00	El Dorado Diamond Springs	0	267	129	54	9	19	7	26	10.1
417.00	Placerville	1	22,868	912	4,798	55	124	424	548	41.8
418.00	Placerville	1	5,504	0	1,376	0	0	130	130	42.3
419.00	Placerville	1	6,891	0	1,208	0	0	112	112	61.6
420.00	Placerville	1	5,272	970	1,322	56	132	117	249	21.2
421.00	Placerville	1	2,553	1,466	406	81	191	28	219	11.7
422.00	Placerville	1	67,392	5,183	31,184	303	714	2,392	3,106	21.7
423.00	Unincorporated El Dorado County (Remainder Area)	0	448	391	26	21	49	1	50	9.0
424.00	Placerville	0	25,597	5,377	4,430	252	582	351	934	27.4
425.00	Placerville	0	67,430	28,934	8,086	1,390	3,090	730	3,820	17.7
426.00	Placerville	0	706	726	18	32	80	0	80	8.8
427.00	Unincorporated El Dorado County (Remainder Area)	0	3,813	4,038	100	102	255	0	255	15.0
428.00	Unincorporated El Dorado County (Remainder Area)	0	551	584	14	22	55	0	55	10.0
429.00	Unincorporated El Dorado County (Remainder Area)	0	1,193	1,395	35	35	87	0	87	13.8
430.00	Unincorporated El Dorado County (Remainder Area)	0	3,098	2,008	547	59	146	44	190	16.3
431.00	Placerville	1	13,596	511	2,247	28	59	167	226	60.1
432.00	Unincorporated El Dorado County (Remainder Area)	0	15,626	10,622	3,103	363	900	241	1,140	13.7
433.00	Placerville	1	16,918	10,023	2,268	678	1,398	175	1,572	10.8
434.00	Placerville	1	828	640	30	44	95	0	95	8.7
435.00	Placerville	1	1,290	671	231	47	100	27	127	10.2
436.00	Unincorporated El Dorado County (Remainder Area)	0	1,146	1,171	49	32	79	2	81	14.2
437.00	Unincorporated El Dorado County (Remainder Area)	0	5,360	5,919	131	147	371	0	371	14.5
438.00	Unincorporated El Dorado County (Remainder Area)	0	5,837	4,262	505	143	303	32	335	17.4
439.00	Unincorporated El Dorado County (Remainder Area)	0	9,608	4,644	1,525	169	359	90	449	21.4
440.00	Unincorporated El Dorado County (Remainder Area)	0	5,939	863	1,570	31	66	111	177	33.6
441.00	Placerville	1	399	393	11	15	35	0	35	11.4
442.00	Placerville	1	13,545	9,872	968	350	882	56	939	14.4
443.00	Unincorporated El Dorado County (Remainder Area)	0	1,946	1,882	56	59	125	0	125	15.5
444.00	Unincorporated El Dorado County (Remainder Area)	0	273	179	17	8	19	1	20	13.7

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445.00	Placerville	0	839	789	56	26	65	3	68	12.3
446.00	Placerville	1	4,234	763	694	28	65	53	119	35.7
447.00	Unincorporated El Dorado County (Remainder Area)	0	8,302	3,155	1,566	81	199	116	314	26.4
448.00	Placerville	0	1,804	2,034	52	64	161	0	161	11.2
449.00	Unincorporated El Dorado County (Remainder Area)	0	465	476	12	14	30	0	30	15.5
450.00	Unincorporated El Dorado County (Remainder Area)	0	2,337	2,203	75	84	180	0	180	13.0
451.00	Unincorporated El Dorado County (Remainder Area)	0	894	868	26	27	58	0	58	15.4
452.00	Placerville	0	6,873	3,649	920	150	321	66	387	17.7
453.00	Placerville	1	3,297	3,171	139	182	391	0	391	8.4
454.00	Unincorporated El Dorado County (Remainder Area)	0	543	478	19	28	59	0	59	9.2
455.00	Unincorporated El Dorado County (Remainder Area)	0	2,531	2,663	67	73	181	0	181	14.0
456.00	Unincorporated El Dorado County (Remainder Area)	0	1,775	1,772	50	51	109	0	109	16.2
457.00	Unincorporated El Dorado County (Remainder Area)	0	3,115	3,005	249	68	153	13	166	18.7
458.00	Placerville	0	11,360	1,923	1,822	71	157	130	287	39.6
459.00	Placerville	0	726	702	21	28	62	0	62	11.7
460.00	Unincorporated El Dorado County (Remainder Area)	0	823	792	23	22	47	0	47	17.4
461.00	Unincorporated El Dorado County (Remainder Area)	0	113	128	2	6	13	0	13	8.6
462.00	Unincorporated El Dorado County (Remainder Area)	0	2,602	1,238	402	31	67	24	91	28.7
463.00	Unincorporated El Dorado County (Remainder Area)	0	3,727	5,338	47	89	195	0	195	19.1
464.00	Unincorporated El Dorado County (Remainder Area)	0	2,789	3,416	47	55	129	0	129	21.7
465.00	Unincorporated El Dorado County (Remainder Area)	0	3,725	5,388	32	65	163	0	163	22.8
466.00	Unincorporated El Dorado County (Remainder Area)	0	3,077	3,406	113	65	143	7	150	20.6
467.00	Unincorporated El Dorado County (Remainder Area)	0	2,487	3,499	29	49	107	0	107	23.2
468.00	Unincorporated El Dorado County (Remainder Area)	0	5,812	6,924	96	128	263	0	263	22.1
469.00	Unincorporated El Dorado County (Remainder Area)	0	3,786	5,171	42	70	156	0	156	24.3
470.00	Unincorporated El Dorado County (Remainder Area)	0	1,666	2,153	23	33	72	0	72	23.0
471.00	Unincorporated El Dorado County (Remainder Area)	0	1,208	1,595	17	26	57	0	57	21.2
472.00	Unincorporated El Dorado County (Remainder Area)	0	1,206	1,631	17	26	57	0	57	21.1
473.00	Unincorporated El Dorado County (Remainder Area)	0	1,175	676	222	13	33	25	58	20.4
474.00	Unincorporated El Dorado County (Remainder Area)	0	1,758	2,037	35	42	95	0	95	18.5
475.00	Unincorporated El Dorado County (Remainder Area)	0	1,837	2,192	33	42	95	0	95	19.3
476.00	Unincorporated El Dorado County (Remainder Area)	0	4,009	899	523	16	41	34	75	53.4
477.00	Unincorporated El Dorado County (Remainder Area)	0	1,570	2,180	20	31	78	0	78	20.2
478.00	Unincorporated El Dorado County (Remainder Area)	0	1,224	1,437	24	30	66	0	66	18.4
479.00	Unincorporated El Dorado County (Remainder Area)	0	5,057	3,301	420	62	156	29	185	27.4
480.00	Unincorporated El Dorado County (Remainder Area)	0	1,693	2,440	28	31	68	1	69	24.5
481.00	Unincorporated El Dorado County (Remainder Area)	0	1,353	1,928	18	24	53	0	53	25.5
482.00	Unincorporated El Dorado County (Remainder Area)	0	6,439	8,493	87	102	226	0	226	28.5
483.00	Unincorporated El Dorado County (Remainder Area)	0	9,535	4,695	1,031	132	285	76	361	26.4
484.00	Unincorporated El Dorado County (Remainder Area)	0	8,636	4,829	1,170	104	267	118	384	22.5
485.00	Unincorporated El Dorado County (Remainder Area)	0	2,234	3,011	30	40	103	0	103	21.8
486.00	Unincorporated El Dorado County (Remainder Area)	0	5,286	7,069	75	110	249	0	249	21.3
487.00	Unincorporated El Dorado County (Remainder Area)	0	18,701	8,250	3,045	228	504	184	688	27.2
488.00	Unincorporated El Dorado County (Remainder Area)	0	5,732	7,282	104	125	283	0	283	20.3
489.00	Unincorporated El Dorado County (Remainder Area)	0	7,396	6,626	406	157	355	24	379	19.5
490.00	Unincorporated El Dorado County (Remainder Area)	0	1,515	1,805	31	35	86	0	86	17.6
491.00	Unincorporated El Dorado County (Remainder Area)	0	7,401	8,785	160	181	444	0	444	16.7
492.00	Unincorporated El Dorado County (Remainder Area)	0	8,812	3,449	1,038	76	188	72	259	34.0
493.00	Unincorporated El Dorado County (Remainder Area)	0	9,816	3,608	1,461	79	195	101	296	33.1
494.00	Unincorporated El Dorado County (Remainder Area)	0	6,332	2,995	757	71	174	55	229	27.7
495.00	Unincorporated El Dorado County (Remainder Area)	0	642	749	14	17	42	0	42	15.4
496.00	Unincorporated El Dorado County (Remainder Area)	0	7,203	4,221	709	94	232	52	284	25.3
497.00	Unincorporated El Dorado County (Remainder Area)	0	9,446	4,990	1,004	109	263	75	338	27.9
498.00	Unincorporated El Dorado County (Remainder Area)	0	3,590	4,033	175	78	176	13	189	19.0
499.00	Unincorporated El Dorado County (Remainder Area)	0	1,503	1,832	30	38	93	0	93	16.1
500.00	Unincorporated El Dorado County (Remainder Area)	0	5,290	1,094	1,164	11	24	97	121	43.6
501.00	Unincorporated El Dorado County (Remainder Area)	0	2,232	817	553	22	49	58	107	20.8
502.00	Unincorporated El Dorado County (Remainder Area)	0	7,254	8,928	139	147	349	0	349	20.8
503.00	Unincorporated El Dorado County (Remainder Area)	0	5,070	10	842	1	2	56	58	87.1
504.00	Unincorporated El Dorado County (Remainder Area)	0	13,658	5,066	1,629	140	313	103	416	32.8
505.00	Unincorporated El Dorado County (Remainder Area)	0	80	95	1	3	7	0	7	11.9
506.00	Unincorporated El Dorado County (Remainder Area)	0	995	1,020	35	28	64	1	65	15.4
507.00	Unincorporated El Dorado County (Remainder Area)	0	2,130	2,501	48	61	145	0	145	14.7
508.00	Unincorporated El Dorado County (Remainder Area)	0	4,878	2,870	1,160	85	184	114	298	16.4
509.00	Unincorporated El Dorado County (Remainder Area)	0	2,068	407	651	12	27	77	104	19.9
510.00	Unincorporated El Dorado County (Remainder Area)	0	3,520	2,933	223	92	200	15	215	16.3
511.00	Unincorporated El Dorado County (Remainder Area)	0	1,993	1,574	132	46	109	9	118	16.8
512.00	Unincorporated El Dorado County (Remainder Area)	0	1,909	2,176	43	45	107	0	107	17.9
513.00	Unincorporated El Dorado County (Remainder Area)	0	8,016	10,349	170	178	456	7	463	17.3
514.00	Unincorporated El Dorado County (Remainder Area)	0	31,462	43,123	374	714	1,830	0	1,830	17.2
515.00	Unincorporated El Dorado County (Remainder Area)	0	3,165	4,073	54	78	188	0	188	16.8
516.00	Unincorporated El Dorado County (Remainder Area)	0	7,404	10,018	101	162	391	0	391	18.9
517.00	Unincorporated El Dorado County (Remainder Area)	0	23,471	18,996	1,723	489	1,085	139	1,224	19.2
518.00	Unincorporated El Dorado County (Remainder Area)	0	13,133	12,367	799	325	745	53	799	16.4

VMT Summary by Jurisdiction - 2040 Baseline Scenario

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
519.00	Unincorporated El Dorado County (Remainder Area)	0	7,739	6,213	744	162	371	60	432	17.9
520.00	Unincorporated El Dorado County (Remainder Area)	0	13,964	12,163	1,168	296	678	99	778	18.0
521.00	Unincorporated El Dorado County (Remainder Area)	0	15,913	9,284	1,662	309	686	167	853	18.6
522.00	Unincorporated El Dorado County (Remainder Area)	0	4,836	5,854	167	96	236	9	245	19.7
523.00	Unincorporated El Dorado County (Remainder Area)	0	24,551	10,064	3,120	302	698	272	970	25.3
524.00	Unincorporated El Dorado County (Remainder Area)	0	19,198	8,822	2,532	214	495	207	702	27.3
525.00	Unincorporated El Dorado County (Remainder Area)	0	4,565	5,782	59	97	233	0	233	19.6
526.00	Unincorporated El Dorado County (Remainder Area)	0	3,206	4,031	56	55	142	0	142	22.6
527.00	Unincorporated El Dorado County (Remainder Area)	0	8,811	6,976	838	186	447	71	517	17.0
528.00	Unincorporated El Dorado County (Remainder Area)	0	51,708	63,975	888	1,061	2,556	51	2,607	19.8
529.00	Unincorporated El Dorado County (Remainder Area)	0	1,259	1,222	124	19	46	8	54	23.2
530.00	Unincorporated El Dorado County (Remainder Area)	0	13,300	17,586	223	226	551	0	551	24.2
531.00	Unincorporated El Dorado County (Remainder Area)	0	3,817	5,010	62	59	144	0	144	26.6
532.00	Unincorporated El Dorado County (Remainder Area)	0	3,640	4,570	64	64	156	0	156	23.4
533.00	Unincorporated El Dorado County (Remainder Area)	0	11,659	9,338	984	151	367	53	420	27.8
534.00	Unincorporated El Dorado County (Remainder Area)	0	4,280	5,431	71	69	168	0	168	25.5
535.00	Unincorporated El Dorado County (Remainder Area)	0	5,371	6,745	84	95	245	0	245	21.9
536.00	Unincorporated El Dorado County (Remainder Area)	0	5,499	6,973	82	106	273	0	273	20.1
537.00	Unincorporated El Dorado County (Remainder Area)	0	10,964	14,381	138	208	536	0	536	20.4
538.00	Unincorporated El Dorado County (Remainder Area)	0	15,597	7,381	1,837	159	382	137	519	30.0
539.00	Unincorporated El Dorado County (Remainder Area)	0	13,553	1,922	1,903	11	27	142	169	80.2
540.00	Unincorporated El Dorado County (Remainder Area)	0	9,633	0	1,686	0	0	132	132	72.8
541.00	Unincorporated El Dorado County (Remainder Area)	0	2,568	840	299	18	43	24	67	38.2
542.00	Unincorporated El Dorado County (Remainder Area)	0	6,153	2,205	963	55	130	76	206	29.9
543.00	Unincorporated El Dorado County (Remainder Area)	0	32,304	1,673	6,353	50	118	368	486	66.4
544.00	Unincorporated El Dorado County (Remainder Area)	0	2,506	2,672	63	58	137	0	137	18.2
545.00	Unincorporated El Dorado County (Remainder Area)	0	1,419	1,758	20	27	64	0	64	22.2
546.00	Unincorporated El Dorado County (Remainder Area)	0	7,991	10,043	115	131	310	0	310	25.8
547.00	Unincorporated El Dorado County (Remainder Area)	0	4,914	533	758	13	31	64	95	51.8
548.00	Unincorporated El Dorado County (Remainder Area)	0	15,338	17,576	597	405	960	27	987	15.5
549.00	Unincorporated El Dorado County (Remainder Area)	0	2,386	2,760	64	54	128	1	129	18.5
550.00	Unincorporated El Dorado County (Remainder Area)	0	6,354	1,696	996	40	100	62	162	39.1
551.00	Unincorporated El Dorado County (Remainder Area)	0	8,972	1,812	1,357	46	115	87	202	44.4
552.00	Unincorporated El Dorado County (Remainder Area)	0	1,059	454	106	11	26	6	32	33.1
553.00	Unincorporated El Dorado County (Remainder Area)	0	1,477	1,741	32	35	83	0	83	17.8
554.00	Unincorporated El Dorado County (Remainder Area)	0	6,782	7,946	189	185	438	5	443	15.3
555.00	Unincorporated El Dorado County (Remainder Area)	0	1,558	1,761	31	39	92	0	92	16.9
556.00	Unincorporated El Dorado County (Remainder Area)	0	4,503	5,469	80	89	211	0	211	21.4
557.00	Unincorporated El Dorado County (Remainder Area)	0	1,811	1,549	214	34	81	20	101	18.0
558.00	Unincorporated El Dorado County (Remainder Area)	0	2,005	2,503	27	40	96	0	96	20.9
559.00	Unincorporated El Dorado County (Remainder Area)	0	1,256	1,459	22	28	67	0	67	18.7
560.00	Unincorporated El Dorado County (Remainder Area)	0	5,897	1,198	1,745	28	66	172	238	24.7
561.00	Unincorporated El Dorado County (Remainder Area)	0	901	1,024	19	23	54	0	54	16.6
562.00	Unincorporated El Dorado County (Remainder Area)	0	3,761	4,664	55	73	175	0	175	21.4
563.00	Unincorporated El Dorado County (Remainder Area)	0	2,095	2,703	24	40	90	0	90	23.2
564.00	Unincorporated El Dorado County (Remainder Area)	0	1,035	1,214	24	27	62	0	62	16.6
565.00	Unincorporated El Dorado County (Remainder Area)	0	2,174	2,329	52	69	143	0	143	15.2
566.00	Unincorporated El Dorado County (Remainder Area)	0	3,929	3,986	140	112	264	5	269	14.6
567.00	Unincorporated El Dorado County (Remainder Area)	0	3,065	694	580	29	60	50	110	27.9
568.00	Unincorporated El Dorado County (Remainder Area)	0	2,929	754	551	26	61	47	108	27.1
569.00	Unincorporated El Dorado County (Remainder Area)	0	6,998	1,996	1,081	72	169	96	265	26.4
570.00	Unincorporated El Dorado County (Remainder Area)	0	8,639	1,184	1,851	53	109	169	278	31.1
571.00	Unincorporated El Dorado County (Remainder Area)	0	1,099	1,130	28	38	79	0	79	14.0
572.00	Unincorporated El Dorado County (Remainder Area)	0	4,739	1,232	962	39	90	89	178	26.6
573.00	Unincorporated El Dorado County (Remainder Area)	0	7,934	9,693	125	126	284	0	284	27.9
574.00	Unincorporated El Dorado County (Remainder Area)	0	4,398	5,592	54	88	204	1	205	21.5
575.00	Unincorporated El Dorado County (Remainder Area)	0	2,797	4,029	21	37	86	0	86	32.7
576.00	Unincorporated El Dorado County (Remainder Area)	0	2,740	856	322	19	43	33	76	36.1
577.00	Unincorporated El Dorado County (Remainder Area)	0	527	635	8	14	32	0	32	16.7
578.00	Unincorporated El Dorado County (Remainder Area)	0	25,033	38,183	125	451	1,016	0	1,016	24.6
579.00	Unincorporated El Dorado County (Remainder Area)	0	2,783	4,024	21	41	96	0	96	29.0
580.00	Unincorporated El Dorado County (Remainder Area)	0	2,454	3,330	26	42	98	0	98	24.9
581.00	Unincorporated El Dorado County (Remainder Area)	0	4,765	7,005	39	66	146	0	146	32.6
582.00	Unincorporated El Dorado County (Remainder Area)	0	13,111	992	1,606	15	37	65	102	128.6
583.00	Unincorporated El Dorado County (Remainder Area)	0	30,927	46,535	291	446	987	15	1,002	30.9
584.00	Unincorporated El Dorado County (Remainder Area)	0	2,103	2,052	106	22	47	6	53	39.8
585.00	Unincorporated El Dorado County (Remainder Area)	0	9,922	14,081	94	148	327	0	327	30.3
586.00	Unincorporated El Dorado County (Remainder Area)	0	3,736	2,865	258	56	105	10	115	32.5
587.00	Unincorporated El Dorado County (Remainder Area)	0	1,958	2,756	23	48	116	0	116	16.9
588.00	Unincorporated El Dorado County (Remainder Area)	0	15,965	22,673	145	348	892	0	892	17.9
589.00	Unincorporated El Dorado County (Remainder Area)	0	239	290	6	8	16	0	16	14.9
590.00	Unincorporated El Dorado County (Remainder Area)	0	819	1,034	14	23	55	0	55	14.9
591.00	Unincorporated El Dorado County (Remainder Area)	0	67	87	1	3	7	0	7	9.3
592.00	Unincorporated El Dorado County (Remainder Area)	0	14,394	9,407	1,281	361	801	146	947	15.2

VMT Summary by Jurisdiction - 2040 Baseline Scenario

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593.00	Unincorporated El Dorado County (Remainder Area)	0	6,848	5,889	529	155	370	56	426	16.1
594.00	Unincorporated El Dorado County (Remainder Area)	0	11,293	15,053	163	316	754	0	754	15.0
595.00	Unincorporated El Dorado County (Remainder Area)	0	4,038	2,673	251	46	104	27	131	30.8
596.00	Unincorporated El Dorado County (Remainder Area)	0	5,258	3,064	493	59	151	48	199	26.4
597.00	Unincorporated El Dorado County (Remainder Area)	0	12,298	3,074	1,753	122	271	214	485	25.3
598.00	Unincorporated El Dorado County (Remainder Area)	0	8,757	386	1,441	15	33	166	200	43.9
599.00	Unincorporated El Dorado County (Remainder Area)	0	622	765	12	18	40	0	40	15.6
600.00	Unincorporated El Dorado County (Remainder Area)	0	11,409	8,190	1,044	217	481	94	575	19.8
601.00	Unincorporated El Dorado County (Remainder Area)	0	1,335	1,856	5	11	24	0	24	54.9
602.00	Unincorporated El Dorado County (Remainder Area)	0	1,851	116	235	3	6	9	15	126.6
603.00	Unincorporated El Dorado County (Remainder Area)	0	3,571	470	923	12	23	32	55	65.5
604.00	Unincorporated El Dorado County (Remainder Area)	0	3,261	634	449	17	31	13	44	74.4
605.00	Unincorporated El Dorado County (Remainder Area)	0	2,835	914	807	21	46	29	75	38.0
606.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
607.00	Unincorporated El Dorado County (Remainder Area)	0	3,216	4,498	12	19	47	0	47	68.8
608.00	Unincorporated El Dorado County (Remainder Area)	0	30	41	0	1	2	0	2	13.8
609.00	Unincorporated El Dorado County (Remainder Area)	0	9,749	1,528	1,526	37	80	61	141	69.0
610.00	El Dorado Hills	0	60,722	137	28,105	0	0	2,725	2,725	22.3
611.00	El Dorado Hills	0	59,180	34,796	8,774	1,023	2,614	672	3,286	18.0
612.00	El Dorado Hills	0	128,483	1,046	62,207	0	0	5,778	5,778	22.2
613.00	Unincorporated El Dorado County (Remainder Area)	0	119	102	18	4	10	3	13	9.3
614.00	El Dorado Hills	0	6,284	7,424	137	211	550	0	550	11.4
615.00	El Dorado Hills	0	10,543	8,776	725	211	550	60	609	17.3
616.00	El Dorado Hills	0	1,568	1,862	33	53	138	0	138	11.4
617.00	El Dorado Hills	0	13,981	9,746	904	187	553	89	642	21.8
618.00	El Dorado Hills	0	4,693	0	2,128	0	0	265	265	17.7
619.00	El Dorado Hills	0	3,485	0	566	0	0	60	60	58.1
620.00	El Dorado Hills	0	17,466	3,715	1,583	0	0	178	178	98.1
621.00	El Dorado Hills	0	12,558	16,345	218	326	963	0	963	13.0
622.00	El Dorado Hills	0	19,304	18,056	1,112	370	1,094	90	1,184	16.3
623.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
624.00	El Dorado Hills	0	15,290	14,513	684	309	918	54	972	15.7
625.00	El Dorado Hills	0	182	0	105	0	0	12	12	15.2
626.00	Unincorporated El Dorado County (Remainder Area)	0	42,077	4,866	6,506	164	386	554	939	44.8
627.00	Unincorporated El Dorado County (Remainder Area)	0	59,517	0	11,017	0	0	966	966	61.6
628.00	Unincorporated El Dorado County (Remainder Area)	0	19,745	23,460	458	515	1,322	0	1,322	14.9
629.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
630.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
631.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
632.00	Unincorporated El Dorado County (Remainder Area)	0	1,660	2,025	33	53	138	0	138	12.0
633.00	Unincorporated El Dorado County (Remainder Area)	0	7,027	8,434	150	211	550	0	550	12.8
634.00	Unincorporated El Dorado County (Remainder Area)	0	7,361	8,924	151	212	552	0	552	13.3
635.00	Unincorporated El Dorado County (Remainder Area)	0	3,605	4,362	72	106	276	0	276	13.1
636.00	Unincorporated El Dorado County (Remainder Area)	0	6,042	8,294	136	212	556	0	556	10.9
637.00	Unincorporated El Dorado County (Remainder Area)	0	9,445	11,545	188	265	695	0	695	13.6
638.00	Unincorporated El Dorado County (Remainder Area)	0	1,274	1,595	22	36	94	0	94	13.5
639.00	Unincorporated El Dorado County (Remainder Area)	0	2,735	3,343	52	72	189	0	189	14.5
640.00	Unincorporated El Dorado County (Remainder Area)	0	9,539	11,832	183	272	713	0	713	13.4
641.00	Unincorporated El Dorado County (Remainder Area)	0	2,759	3,405	52	72	189	0	189	14.6
642.00	Unincorporated El Dorado County (Remainder Area)	0	36,495	38,459	1,582	926	2,421	96	2,517	14.5
643.00	Unincorporated El Dorado County (Remainder Area)	0	9,281	11,512	180	257	672	0	672	13.8
644.00	Unincorporated El Dorado County (Remainder Area)	0	3,071	3,879	54	90	238	0	238	12.9
645.00	Unincorporated El Dorado County (Remainder Area)	0	21,188	24,962	914	495	1,311	56	1,367	15.5
646.00	Unincorporated El Dorado County (Remainder Area)	0	7,088	8,875	124	180	477	0	477	14.9
647.00	Unincorporated El Dorado County (Remainder Area)	0	1,499	1,883	26	45	119	0	119	12.6
648.00	Unincorporated El Dorado County (Remainder Area)	0	3,880	2,218	512	45	119	42	161	24.1
649.00	Unincorporated El Dorado County (Remainder Area)	0	4,695	2,830	29	45	119	0	119	39.4
650.00	Outside of County	0	2,924,327	1,494,977	488,244	0	0	0	0	-
651.00	Outside of County	0	29,889	17,048	4,074	0	0	0	0	-
652.00	Outside of County	0	0	0	0	0	0	0	0	-
653.00	Outside of County	0	418,098	187,954	51,242	0	0	0	0	-
654.00	Outside of County	0	41,830	9,395	2,400	0	0	0	0	-
655.00	Outside of County	0	352,832	120,373	33,664	0	0	0	0	-
656.00	Outside of County	0	56,354	18,723	6,997	0	0	0	0	-
657.00	Outside of County	0	196,519	9,096	3,547	0	0	0	0	-
658.00	Outside of County	0	0	0	0	0	0	0	0	-
659.00	Outside of County	0	5,729	3,013	928	0	0	0	0	-
660.00	Outside of County	0	181,521	102,048	33,425	0	0	0	0	-
661.00	Outside of County	0	148,492	79,165	24,191	0	0	0	0	-
662.00	Outside of County	0	710,514	374,713	120,676	0	0	0	0	-
663.00	Outside of County	0	733,804	259,751	80,292	0	0	0	0	-
664.00	Outside of County	0	451,825	247,011	65,947	0	0	0	0	-
665.00	Outside of County	0	221,136	97,356	35,746	0	0	0	0	-
666.00	Outside of County	0	102,261	56,553	17,165	0	0	0	0	-

VMT Summary by Jurisdiction - 2040 Baseline Scenario

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
667.00	Outside of County	0	0	0	0	0	0	0	0	-
668.00	Outside of County	0	535,637	361,820	0	0	0	0	0	-
669.00	Outside of County	0	0	0	0	0	0	0	0	-
670.00	Outside of County	0	0	0	0	0	0	0	0	-
671.00	Outside of County	0	203,230	110,554	30,430	0	0	0	0	-
672.00	Outside of County	0	38,760	38,854	0	0	0	0	0	-
673.00	Outside of County	0	33,691	16,694	0	0	0	0	0	-
674.00	Outside of County	0	405,139	27,678	0	0	0	0	0	-

2018 Baseline Scenario (Plus Project)

VMT Summary by Jurisdiction - 2018 Baseline Scenario (Plus Project)

	VMT Estimates			VMT Efficiency Metrics			Population Details				
Jurisdiction	Total OD VMT	Home-based PA VMT	Home-based Work PA VMT	Total VMT per Service Population	Home-based VMT per Capita	Home-based Work VMT per Employee	Total Households	Total Population	Total Employment	Total Service Population	Persons Per Household
City of Placerville	298,042	68,842	90,202	21.0	10.5	11.8	2,914	6,581	7,639	14,220	2.26
Unincorporated El Dorado County	3,741,890	3,144,046	428,731	21.8	22.7	12.9	55,855	138,648	33,126	171,774	2.48
630	49,766	65,687	784	21.1	27.9		800	2,358	0	2,358	2.95
				Threshold	19.3	11.1					

VMT Summary by Jurisdiction - 2018 Baseline Scenario (Plus Project)

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
1.00	Unincorporated El Dorado County (Remainder Area)	0	4,165	2,608	328	46	75	16	91	46.0
2.00	Unincorporated El Dorado County (Remainder Area)	0	22,993	31,800	464	525	1,185	34	1,219	18.9
3.00	Unincorporated El Dorado County (Remainder Area)	0	2,950	3,744	42	34	88	0	88	33.6
4.00	Unincorporated El Dorado County (Remainder Area)	0	1,534	1,533	52	16	34	2	36	42.9
5.00	Unincorporated El Dorado County (Remainder Area)	0	2,861	4,033	27	33	73	0	73	39.4
6.00	Unincorporated El Dorado County (Remainder Area)	0	12,299	15,776	354	270	646	9	655	18.8
7.00	Unincorporated El Dorado County (Remainder Area)	0	25,764	33,279	995	516	1,119	71	1,190	21.7
8.00	Unincorporated El Dorado County (Remainder Area)	0	2,717	787	751	14	36	60	96	28.3
9.00	Unincorporated El Dorado County (Remainder Area)	0	28,429	33,226	1,706	482	1,240	117	1,357	20.9
10.00	Outside of County	0	0	0	0	0	0	0	0	-
11.00	Outside of County	0	0	0	0	0	0	0	0	-
12.00	Outside of County	0	39,404	31,006	1,880	663	1,741	96	1,837	21.5
13.00	Outside of County	0	31,141	35,987	694	775	1,995	0	1,995	15.6
14.00	Outside of County	0	64,389	72,423	1,573	1,502	4,068	32	4,100	15.7
15.00	Outside of County	0	497	525	10	10	23	0	23	22.1
16.00	Outside of County	0	55,988	8,956	7,480	149	378	434	812	68.9
17.00	Outside of County	0	0	0	0	0	0	0	0	-
18.00	Outside of County	0	1,554	615	67	41	116	0	116	13.4
19.00	Outside of County	0	0	0	0	0	0	0	0	-
20.00	Outside of County	0	220	18	119	1	1	5	6	36.6
21.00	Outside of County	0	5,285	50	2,559	1	2	112	114	46.4
22.00	Outside of County	0	2,240	270	582	2	6	23	29	77.2
23.00	Outside of County	0	58,674	23,784	6,331	101	273	244	517	113.6
24.00	Outside of County	0	48	30	1	1	1	0	1	48.0
25.00	Outside of County	0	0	0	0	0	0	0	0	-
26.00	Outside of County	0	0	0	0	0	0	0	0	-
27.00	Outside of County	0	1,332	267	505	2	6	22	28	47.6
28.00	Outside of County	0	12,549	14,761	381	123	332	6	338	37.1
29.00	Outside of County	0	7,985	9,264	246	72	192	5	197	40.5
30.00	Outside of County	0	6,073	0	3,229	0	0	133	133	45.7
31.00	Outside of County	0	5,569	4,127	1,053	44	94	45	139	40.0
32.00	Outside of County	0	24,911	6,800	622	676	1,526	0	1,526	16.3
33.00	Outside of County	0	0	0	0	0	0	0	0	-
34.00	Outside of County	0	8,768	9,511	591	75	191	16	207	42.4
35.00	Outside of County	0	0	0	0	0	0	0	0	-
36.00	Outside of County	0	0	0	0	0	0	0	0	-
37.00	Outside of County	0	5,083	0	2,682	0	0	178	178	28.6
38.00	Outside of County	0	0	0	0	0	0	0	0	-
39.00	Outside of County	0	24,375	22,443	3,334	666	1,569	227	1,796	13.6
40.00	Outside of County	0	112,808	26,244	18,937	916	2,079	1,839	3,918	28.8
41.00	Outside of County	0	30,945	26,558	3,967	544	1,271	203	1,474	21.0
42.00	Outside of County	0	0	0	0	0	0	0	0	-
43.00	Outside of County	0	53,607	63,308	1,222	828	2,045	0	2,045	26.2
44.00	Outside of County	0	79,680	77,046	3,310	1,069	2,614	95	2,709	29.4
45.00	Outside of County	0	101,861	24,337	14,748	906	2,057	1,357	3,414	29.8
46.00	Outside of County	0	0	0	0	0	0	0	0	-
47.00	Outside of County	0	101,049	0	42,818	0	0	2,398	2,398	42.1
48.00	Outside of County	0	72,120	71,736	3,408	1,203	3,068	121	3,189	22.6
49.00	Outside of County	0	153,128	0	78,460	0	0	4,642	4,642	33.0
50.00	Outside of County	0	120,653	85,341	19,394	1,025	2,430	826	3,256	37.1
51.00	Outside of County	0	126,043	69,043	18,128	1,768	4,253	1,237	5,490	23.0
52.00	Outside of County	0	45,625	25,374	4,463	297	667	240	907	50.3
53.00	Outside of County	0	114,329	87,595	8,505	1,335	3,452	377	3,829	29.9
54.00	Outside of County	0	93,386	36,364	38,847	476	1,153	1,827	2,980	31.3
55.00	Outside of County	0	83,253	38,460	12,512	675	1,583	800	2,383	34.9
56.00	Outside of County	0	34,868	39,985	999	820	1,933	4	1,937	18.0
57.00	Outside of County	0	162,210	0	113,543	0	0	7,375	7,375	22.0
58.00	Outside of County	0	43,783	24,414	6,814	465	1,160	388	1,548	28.3
59.00	Outside of County	0	425	111	174	2	4	9	13	32.7
60.00	Outside of County	0	206,587	17,480	103,811	238	478	4,236	4,714	43.8
61.00	Outside of County	0	273,644	191,930	22,438	2,205	5,227	797	6,024	45.4
62.00	Outside of County	0	55,321	318	26,844	4	8	1,150	1,158	47.8
63.00	Outside of County	0	113,473	18,466	51,453	340	756	3,083	3,839	29.6
64.00	Outside of County	0	79,963	60,342	11,454	865	2,156	560	2,716	29.4
65.00	Outside of County	0	10,437	11,540	217	136	338	0	338	30.9
66.00	Outside of County	0	62,631	50,890	4,281	826	1,950	172	2,122	29.5
67.00	Outside of County	0	10,443	0	2,804	0	0	178	178	58.7
68.00	Outside of County	0	55,150	32,500	11,772	616	1,314	679	1,993	27.7
69.00	Outside of County	0	145,261	91,414	38,820	1,588	4,122	2,320	6,442	22.5
70.00	Outside of County	0	210,775	808	127,060	0	0	6,956	6,956	30.3
71.00	Outside of County	0	107,332	110,690	4,927	1,231	3,088	121	3,209	33.5
72.00	Outside of County	0	254,205	367	134,493	0	0	5,133	5,133	49.5
73.00	Outside of County	0	122,418	0	80,364	0	0	5,627	5,627	21.8
74.00	Outside of County	0	176,843	22,048	82,142	435	1,022	4,728	5,750	30.8

VMT Summary by Jurisdiction - 2018 Baseline Scenario (Plus Project)

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
75.00	Outside of County	0	106,893	77,923	27,437	1,936	4,401	1,866	6,267	17.1
76.00	Outside of County	0	42,263	23,750	5,015	508	1,352	297	1,649	25.6
77.00	Outside of County	0	163,604	79,253	34,591	1,155	2,810	1,659	4,469	36.6
78.00	Outside of County	0	88,674	0	23,853	0	0	1,567	1,567	56.6
79.00	Outside of County	0	971	0	0	0	0	20	20	48.5
80.00	Outside of County	0	50,517	0	24,107	0	0	1,410	1,410	35.8
81.00	Outside of County	0	161,380	0	84,007	0	0	4,951	4,951	32.6
82.00	Outside of County	0	56,385	0	30,167	0	0	1,787	1,787	31.6
83.00	Outside of County	0	0	0	0	0	0	0	0	-
84.00	Outside of County	0	64,743	48,586	6,578	1,226	2,817	405	3,222	20.1
85.00	Outside of County	0	71,697	60,215	4,720	1,295	3,246	253	3,499	20.5
86.00	Outside of County	0	111,514	75,057	11,418	1,968	4,487	754	5,241	21.3
87.00	Outside of County	0	103,042	66,726	12,969	2,114	4,344	800	5,144	20.0
88.00	Outside of County	0	86,722	47,968	12,047	1,099	2,679	762	3,441	25.2
89.00	Outside of County	0	11,325	0	4,701	0	0	293	293	38.7
90.00	Outside of County	0	53,598	0	10,958	0	0	592	592	90.5
91.00	Outside of County	0	123,376	16,268	50,196	383	961	4,100	5,061	24.4
92.00	Outside of County	0	60,046	56,883	3,305	1,139	2,709	141	2,850	21.1
93.00	Outside of County	0	0	0	0	0	0	0	0	-
94.00	Outside of County	0	432	480	9	6	15	0	15	28.8
95.00	Outside of County	0	933	0	444	0	0	27	27	34.6
96.00	Outside of County	0	344	0	174	0	0	12	12	28.6
97.00	Outside of County	0	110	103	2	2	4	0	4	27.5
98.00	Outside of County	0	76,408	355	27,314	10	25	2,289	2,314	33.0
99.00	Outside of County	0	50,030	27,192	11,924	791	1,944	958	2,902	17.2
100.00	Outside of County	0	6,029	7,040	129	84	203	0	203	29.7
101.00	Outside of County	0	12,151	0	6,104	0	0	320	320	38.0
102.00	Outside of County	0	6,016	5,250	1,007	51	153	53	206	29.2
103.00	Outside of County	0	59,045	68,377	1,403	910	2,200	0	2,200	26.8
104.00	Outside of County	0	0	0	0	0	0	0	0	-
105.00	Outside of County	0	0	0	0	0	0	0	0	-
106.00	Outside of County	0	2,880	0	1,456	0	0	70	70	41.1
107.00	Outside of County	0	86,580	0	45,787	0	0	3,135	3,135	27.6
108.00	Outside of County	0	439	0	202	0	0	15	15	29.3
109.00	Outside of County	0	18,978	0	4,262	0	0	238	238	79.7
110.00	Outside of County	0	64,094	8,695	29,019	205	426	1,610	2,036	31.5
111.00	Outside of County	0	136,474	12,401	25,093	350	728	1,151	1,879	72.6
112.00	Outside of County	0	195,641	38,620	42,266	747	1,946	2,117	4,063	48.2
113.00	Outside of County	0	91,550	0	48,111	0	0	4,022	4,022	22.8
114.00	Outside of County	0	40,864	30,347	7,804	770	1,950	660	2,610	15.7
115.00	Outside of County	0	0	0	0	0	0	0	0	-
116.00	Outside of County	0	0	0	0	0	0	0	0	-
117.00	Outside of County	0	86,876	32,568	23,764	401	1,031	1,492	2,523	34.4
118.00	Outside of County	0	92,087	83,917	3,783	2,313	5,898	187	6,085	15.1
119.00	Outside of County	0	170,681	7,915	75,203	214	522	6,545	7,067	24.2
120.00	Outside of County	0	203,652	0	58,804	0	0	4,131	4,131	49.3
121.00	Outside of County	0	166,423	57,379	22,524	1,642	4,261	1,724	5,985	27.8
122.00	Outside of County	0	67,133	20,237	12,514	619	1,530	1,071	2,601	25.8
123.00	Outside of County	0	52,825	7,533	10,782	200	529	855	1,384	38.2
124.00	Outside of County	0	81,550	55,497	5,645	1,240	2,628	328	2,956	27.6
125.00	Outside of County	0	60,563	11,075	9,377	389	801	781	1,582	38.3
126.00	Outside of County	0	15,809	4,440	1,801	136	279	129	408	38.7
127.00	Outside of County	0	38,797	34,698	2,043	800	1,693	117	1,810	21.4
128.00	Outside of County	0	86,261	40,623	11,142	999	2,062	767	2,829	30.5
129.00	Outside of County	0	43,047	47,014	827	994	2,246	0	2,246	19.2
130.00	Outside of County	0	31,766	10,126	4,097	369	740	416	1,156	27.5
131.00	Outside of County	0	75,978	20,821	13,731	607	1,234	1,278	2,512	30.2
132.00	Outside of County	0	34,159	20,755	4,022	407	894	260	1,154	29.6
133.00	Outside of County	0	133,496	63,421	14,801	2,087	5,211	1,475	6,686	20.0
134.00	Outside of County	0	70,569	32,261	18,624	1,075	2,460	1,492	3,952	17.9
135.00	Outside of County	0	43,727	0	24,002	0	0	2,114	2,114	20.7
136.00	Outside of County	0	31,830	28,672	1,661	669	1,669	82	1,751	18.2
137.00	Outside of County	0	139,047	104,680	9,463	2,349	6,735	673	7,408	18.8
138.00	El Dorado Diamond Springs	0	5,518	5,297	428	161	367	25	392	14.1
139.00	El Dorado Diamond Springs	0	3,992	1,756	667	62	135	55	190	21.0
140.00	El Dorado Diamond Springs	0	24,435	262	5,027	10	27	383	410	59.5
141.00	Unincorporated El Dorado County (Remainder Area)	0	2,087	1,980	80	21	49	2	51	41.1
142.00	Unincorporated El Dorado County (Remainder Area)	0	7,349	7,935	177	157	353	0	353	20.8
143.00	Unincorporated El Dorado County (Remainder Area)	0	3,592	3,718	133	93	209	4	213	16.8
144.00	Unincorporated El Dorado County (Remainder Area)	0	3,883	3,976	291	74	186	19	205	18.9
145.00	Unincorporated El Dorado County (Remainder Area)	0	799	829	23	30	69	0	69	11.7
146.00	El Dorado Diamond Springs	0	3,804	1,764	630	64	145	51	196	19.5
147.00	El Dorado Diamond Springs	0	4,287	4,509	135	159	359	0	359	11.9
148.00	Outside of County	0	189,477	257,195	6,908	2,250	5,293	137	5,430	34.9

VMT Summary by Jurisdiction - 2018 Baseline Scenario (Plus Project)

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
149.00	Shingle Springs	0	6,866	1,688	1,452	37	98	112	210	32.7
150.00	Unincorporated El Dorado County (Remainder Area)	0	7,746	8,535	226	109	260	3	263	29.5
151.00	Unincorporated El Dorado County (Remainder Area)	0	1,456	2,006	20	23	67	0	67	21.7
152.00	Shingle Springs	0	9,887	6,113	1,442	122	315	99	414	23.9
153.00	Unincorporated El Dorado County (Remainder Area)	0	6,411	6,607	216	178	388	5	393	16.3
154.00	Unincorporated El Dorado County (Remainder Area)	0	3,325	3,249	232	84	196	16	212	15.7
155.00	Shingle Springs	0	2,678	3,130	57	62	161	0	161	16.6
156.00	Unincorporated El Dorado County (Remainder Area)	0	2,334	2,765	39	27	67	0	67	34.7
157.00	El Dorado Hills	0	11,280	14,556	188	274	807	0	807	14.0
158.00	Cameron Park	0	22,009	24,437	1,047	598	1,373	72	1,445	15.2
159.00	Cameron Park	0	12,609	16,195	236	340	878	1	879	14.4
160.00	Shingle Springs	0	7,828	9,530	162	194	501	0	501	15.6
161.00	El Dorado Hills	0	6,030	7,766	90	105	283	0	283	21.3
162.00	El Dorado Hills	0	71,260	98,874	974	1,503	4,414	0	4,414	16.1
163.00	El Dorado Hills	0	347	363	38	7	21	4	25	14.1
164.00	El Dorado Hills	0	27,756	0	14,331	0	0	1,232	1,232	22.5
165.00	El Dorado Hills	0	16,445	19,869	372	373	997	0	997	16.5
166.00	Outside of County	0	41,378	42,119	1,360	749	1,892	49	1,941	21.3
167.00	El Dorado Hills	0	50,441	52,897	2,149	1,297	2,904	55	2,959	17.0
168.00	El Dorado Hills	0	31,262	36,842	947	1,125	2,519	9	2,528	12.4
169.00	El Dorado Hills	0	102,100	153	21,134	0	0	1,688	1,688	60.5
170.00	El Dorado Hills	0	27,472	0	15,191	0	0	1,357	1,357	20.2
171.00	El Dorado Hills	0	14,275	12,881	761	441	790	20	810	17.6
172.00	El Dorado Hills	0	8,160	0	1,962	0	0	168	168	48.6
173.00	El Dorado Hills	0	29,641	0	6,360	0	0	547	547	54.2
174.00	Unincorporated El Dorado County (Remainder Area)	0	2,232	1,551	251	15	37	11	48	46.1
175.00	Unincorporated El Dorado County (Remainder Area)	0	957	880	97	11	26	5	31	30.7
176.00	Unincorporated El Dorado County (Remainder Area)	0	2,052	2,335	41	29	69	0	69	29.7
177.00	Unincorporated El Dorado County (Remainder Area)	0	829	706	119	10	25	7	32	26.0
178.00	Unincorporated El Dorado County (Remainder Area)	0	2,090	2,434	40	30	77	0	77	27.0
179.00	Unincorporated El Dorado County (Remainder Area)	0	10	16	0	1	3	0	3	3.6
180.00	El Dorado Hills	0	3,174	3,879	52	58	149	0	149	21.2
181.00	El Dorado Hills	0	1,402	8	627	1	3	58	61	23.1
182.00	Cameron Park	0	51,690	67,854	775	1,186	3,202	0	3,202	16.1
183.00	Unincorporated El Dorado County (Remainder Area)	0	6,494	7,630	125	152	355	0	355	18.3
184.00	Cameron Park	0	28,512	20,401	3,250	357	964	300	1,264	22.6
185.00	Cameron Park	0	5,388	6,629	92	149	342	0	342	15.7
186.00	Cameron Park	0	643	102	231	3	7	28	35	18.4
187.00	Cameron Park	0	10,246	9,771	1,007	239	549	85	634	16.2
188.00	Cameron Park	0	7,297	7,024	791	188	432	69	501	14.6
189.00	Unincorporated El Dorado County (Remainder Area)	0	2,898	3,690	44	37	104	0	104	28.0
190.00	Unincorporated El Dorado County (Remainder Area)	0	11,256	14,800	176	237	663	0	663	17.0
191.00	El Dorado Hills	0	821	1,097	11	19	53	0	53	15.4
192.00	El Dorado Hills	0	1,090	1,440	15	25	70	0	70	15.7
193.00	El Dorado Hills	0	8,856	4,369	2,560	100	253	246	499	17.7
194.00	El Dorado Hills	0	18,114	23,606	281	439	1,285	0	1,285	14.1
195.00	El Dorado Hills	0	1,608	532	186	10	26	14	40	40.7
196.00	Outside of County	0	46,066	51,422	1,525	923	2,503	82	2,585	17.8
197.00	El Dorado Hills	0	3,958	4,948	66	86	219	0	219	18.0
198.00	El Dorado Hills	0	58,460	46,940	4,621	887	2,482	453	2,935	19.9
199.00	El Dorado Hills	0	11,153	3,693	1,565	62	173	120	293	38.0
200.00	El Dorado Hills	0	3,345	332	753	7	18	67	85	39.4
201.00	El Dorado Hills	0	13,469	8,452	2,773	150	439	301	740	18.2
202.00	El Dorado Hills	0	41,763	41,492	2,369	737	2,062	199	2,261	18.5
203.00	El Dorado Hills	0	52,441	66,585	1,834	1,043	3,061	139	3,200	16.4
204.00	El Dorado Hills	0	18,765	20,011	624	362	1,067	41	1,108	16.9
205.00	El Dorado Hills	0	1,694	0	793	0	0	80	80	21.2
206.00	El Dorado Hills	0	2,142	2,766	30	52	153	0	153	14.0
207.00	El Dorado Hills	0	15,013	19,854	231	296	869	0	869	17.3
208.00	Unincorporated El Dorado County (Remainder Area)	0	412	558	5	9	26	0	26	15.6
209.00	El Dorado Hills	0	2,988	3,543	173	55	161	14	175	17.0
210.00	El Dorado Hills	0	5,726	7,548	87	125	366	0	366	15.7
211.00	Unincorporated El Dorado County (Remainder Area)	0	166	230	2	4	11	0	11	14.9
212.00	El Dorado Hills	0	1,867	2,517	25	35	103	0	103	18.2
213.00	Unincorporated El Dorado County (Remainder Area)	0	6,812	8,982	101	116	323	0	323	21.1
214.00	Unincorporated El Dorado County (Remainder Area)	0	687	922	10	8	19	0	19	35.5
215.00	El Dorado Hills	0	6,123	8,011	96	113	316	0	316	19.4
216.00	Unincorporated El Dorado County (Remainder Area)	0	399	520	5	5	12	0	12	33.0
217.00	Unincorporated El Dorado County (Remainder Area)	0	739	955	10	11	31	0	31	24.0
218.00	Unincorporated El Dorado County (Remainder Area)	0	1,721	2,233	25	28	78	0	78	22.0
219.00	Unincorporated El Dorado County (Remainder Area)	0	4,451	2,394	1,007	28	78	77	155	28.7
220.00	Unincorporated El Dorado County (Remainder Area)	0	580	761	8	9	25	0	25	23.1
221.00	El Dorado Hills	0	42,956	58,703	579	876	2,359	0	2,359	18.2
222.00	Cameron Park	0	2,675	1,409	255	26	71	26	97	27.7

VMT Summary by Jurisdiction - 2018 Baseline Scenario (Plus Project)

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
223.00	Cameron Park	0	4,059	5,500	52	103	279	0	279	14.5
224.00	Unincorporated El Dorado County (Remainder Area)	0	5,446	6,386	347	95	258	29	287	19.0
225.00	Unincorporated El Dorado County (Remainder Area)	0	11,231	7,649	974	92	270	79	349	32.2
226.00	Cameron Park	0	9,997	8,720	764	131	384	76	460	21.7
227.00	Cameron Park	0	181	175	13	5	12	2	14	12.8
228.00	Cameron Park	0	23,322	30,984	505	705	1,703	20	1,723	13.5
229.00	El Dorado Hills	0	402	552	4	9	24	0	24	16.6
230.00	El Dorado Hills	0	583	803	6	12	35	0	35	16.5
231.00	Unincorporated El Dorado County (Remainder Area)	0	1,013	330	235	5	15	28	43	23.7
232.00	Unincorporated El Dorado County (Remainder Area)	0	2,107	2,816	28	33	92	0	92	22.9
233.00	Cameron Park	0	6,632	3,829	762	92	211	101	312	21.2
234.00	Cameron Park	0	47,031	41,437	4,505	1,004	2,306	587	2,893	16.3
235.00	Cameron Park	0	33,794	44,679	474	861	2,214	0	2,214	15.3
236.00	Cameron Park	0	17,873	24,181	295	468	1,204	9	1,213	14.7
237.00	Cameron Park	0	2,839	3,543	47	75	172	0	172	16.5
238.00	Cameron Park	0	15,119	13,675	2,002	280	676	199	875	17.3
239.00	Cameron Park	0	1,948	1,613	134	32	87	16	103	18.9
240.00	Unincorporated El Dorado County (Remainder Area)	0	7,271	9,700	106	127	345	0	345	21.1
241.00	Cameron Park	0	6,830	9,079	105	164	445	2	447	15.3
242.00	Cameron Park	0	804	1,098	9	22	60	0	60	13.5
243.00	Cameron Park	0	2,400	2,918	119	52	141	13	154	15.6
244.00	Unincorporated El Dorado County (Remainder Area)	0	1,390	1,799	23	22	57	0	57	24.6
245.00	Unincorporated El Dorado County (Remainder Area)	0	841	1,066	11	10	29	0	29	29.0
246.00	Unincorporated El Dorado County (Remainder Area)	0	4,502	6,096	59	63	182	0	182	24.7
247.00	Unincorporated El Dorado County (Remainder Area)	0	14,528	16,597	349	296	646	0	646	22.5
248.00	Unincorporated El Dorado County (Remainder Area)	0	10,805	13,179	226	185	441	0	441	24.5
249.00	Unincorporated El Dorado County (Remainder Area)	0	1,921	2,099	39	27	59	0	59	32.6
250.00	Unincorporated El Dorado County (Remainder Area)	0	3,245	3,889	63	53	123	0	123	26.3
251.00	Unincorporated El Dorado County (Remainder Area)	0	4,355	5,131	90	88	224	0	224	19.5
252.00	Unincorporated El Dorado County (Remainder Area)	0	20,184	24,851	419	434	1,130	0	1,130	17.9
253.00	Unincorporated El Dorado County (Remainder Area)	0	8,641	10,806	165	147	403	0	403	21.5
254.00	Unincorporated El Dorado County (Remainder Area)	0	6,144	7,298	127	116	295	0	295	20.8
255.00	Cameron Park	0	16,932	0	5,022	0	0	426	426	39.7
256.00	Cameron Park	0	46,169	1,908	13,637	47	121	1,042	1,163	39.7
257.00	Shingle Springs	0	30,124	6,749	11,070	153	389	960	1,349	22.3
258.00	Unincorporated El Dorado County (Remainder Area)	0	1,490	1,755	51	21	58	2	60	25.0
259.00	Unincorporated El Dorado County (Remainder Area)	0	1,820	2,261	31	30	78	0	78	23.3
260.00	Shingle Springs	0	5,664	58	1,802	2	4	146	150	37.7
261.00	Shingle Springs	0	15,296	4,159	3,594	92	252	282	534	28.6
262.00	Shingle Springs	0	12,853	4,851	2,986	121	308	238	546	23.6
263.00	Shingle Springs	0	6,121	4,975	529	108	296	35	331	18.5
264.00	Shingle Springs	0	4,752	2,283	623	50	137	45	182	26.1
265.00	Unincorporated El Dorado County (Remainder Area)	0	2,402	2,954	44	45	117	0	117	20.5
266.00	Unincorporated El Dorado County (Remainder Area)	0	2,358	2,159	117	42	92	4	96	24.7
267.00	Unincorporated El Dorado County (Remainder Area)	0	5,477	6,853	126	129	336	0	336	16.3
268.00	Unincorporated El Dorado County (Remainder Area)	0	3,265	3,740	132	69	180	6	186	17.6
269.00	Unincorporated El Dorado County (Remainder Area)	0	9,293	10,869	228	204	516	1	517	18.0
270.00	Unincorporated El Dorado County (Remainder Area)	0	2,465	3,203	42	44	113	0	113	21.8
271.00	Unincorporated El Dorado County (Remainder Area)	0	8,070	10,009	198	150	379	5	384	21.0
272.00	Unincorporated El Dorado County (Remainder Area)	0	6,770	7,698	361	131	347	23	370	18.3
273.00	Unincorporated El Dorado County (Remainder Area)	0	7,880	10,136	254	134	391	12	403	19.5
274.00	Unincorporated El Dorado County (Remainder Area)	0	15,400	13,794	1,324	233	618	99	717	21.5
275.00	Unincorporated El Dorado County (Remainder Area)	0	15,445	18,196	455	321	828	13	841	18.4
276.00	Cameron Park	0	8,999	10,822	265	224	541	12	553	16.3
277.00	Cameron Park	0	6,246	7,911	105	161	416	0	416	15.0
278.00	Unincorporated El Dorado County (Remainder Area)	0	5,199	6,774	84	91	247	0	247	21.1
279.00	Unincorporated El Dorado County (Remainder Area)	0	2,685	3,506	42	45	122	0	122	22.0
280.00	Unincorporated El Dorado County (Remainder Area)	0	1,796	2,209	33	37	98	0	98	18.3
281.00	Unincorporated El Dorado County (Remainder Area)	0	3,894	3,574	540	59	156	36	192	20.2
282.00	Unincorporated El Dorado County (Remainder Area)	0	1,737	2,137	32	39	103	0	103	16.8
283.00	Shingle Springs	0	16,082	3,793	2,055	0	0	161	161	99.9
284.00	Shingle Springs	0	1,615	1,085	302	25	65	25	90	18.0
285.00	Unincorporated El Dorado County (Remainder Area)	0	5,125	1,491	880	12	26	66	92	55.5
286.00	Unincorporated El Dorado County (Remainder Area)	0	1,772	2,307	29	36	95	0	95	18.6
287.00	Unincorporated El Dorado County (Remainder Area)	0	1,710	2,166	29	34	88	0	88	19.5
288.00	Unincorporated El Dorado County (Remainder Area)	0	2,623	3,305	45	51	135	0	135	19.4
289.00	Unincorporated El Dorado County (Remainder Area)	0	359	512	4	8	23	0	23	15.4
290.00	Unincorporated El Dorado County (Remainder Area)	0	2,409	3,212	37	44	129	0	129	18.7
291.00	Unincorporated El Dorado County (Remainder Area)	0	9,887	12,866	181	188	463	0	463	21.3
292.00	Unincorporated El Dorado County (Remainder Area)	0	4,559	6,296	65	72	210	0	210	21.7
293.00	Unincorporated El Dorado County (Remainder Area)	0	1,225	1,268	32	34	77	0	77	15.8
294.00	Unincorporated El Dorado County (Remainder Area)	0	4,003	4,613	94	97	247	0	247	16.2
295.00	Unincorporated El Dorado County (Remainder Area)	0	148,602	4,988	26,602	110	284	1,491	1,775	83.7
296.00	El Dorado Diamond Springs	0	9,626	6,666	852	117	305	56	361	26.7

VMT Summary by Jurisdiction - 2018 Baseline Scenario (Plus Project)

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297.00	Unincorporated El Dorado County (Remainder Area)	0	2,420	3,118	57	70	182	0	182	13.3
298.00	Unincorporated El Dorado County (Remainder Area)	0	3,302	3,787	75	79	206	0	206	16.0
299.00	Unincorporated El Dorado County (Remainder Area)	0	5,046	6,005	106	106	268	0	268	18.8
300.00	Unincorporated El Dorado County (Remainder Area)	0	1,191	1,380	26	28	71	0	71	16.8
301.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	1	2	0	2	0.1
302.00	Unincorporated El Dorado County (Remainder Area)	0	3,971	2,466	499	57	130	33	163	24.4
303.00	El Dorado Diamond Springs	0	3,457	3,637	90	106	231	0	231	14.9
304.00	El Dorado Diamond Springs	0	6,346	377	2,374	12	27	224	251	25.2
305.00	El Dorado Diamond Springs	0	7,593	0	3,147	1	2	283	285	26.6
306.00	El Dorado Diamond Springs	0	1,627	373	626	10	22	55	77	21.2
307.00	El Dorado Diamond Springs	0	616	491	38	16	36	2	38	16.1
308.00	El Dorado Diamond Springs	0	271	271	15	11	25	1	26	10.5
309.00	El Dorado Diamond Springs	0	532	432	52	14	32	4	36	14.8
310.00	El Dorado Diamond Springs	0	4,142	788	1,290	26	59	122	181	22.9
311.00	El Dorado Diamond Springs	0	8,539	1,187	2,114	38	87	158	245	34.9
312.00	El Dorado Diamond Springs	0	866	883	48	31	70	3	73	11.9
313.00	El Dorado Diamond Springs	0	23,439	4,195	6,905	38	99	506	605	38.8
314.00	El Dorado Diamond Springs	0	2,972	3,066	154	81	206	8	214	13.9
315.00	Outside of County	0	0	0	0	0	0	0	0	-
316.00	El Dorado Diamond Springs	0	341	343	9	13	30	0	30	11.5
317.00	El Dorado Diamond Springs	0	205	208	5	8	18	0	18	11.3
318.00	Unincorporated El Dorado County (Remainder Area)	0	4,302	4,636	137	128	326	2	328	13.1
319.00	El Dorado Diamond Springs	0	1,216	1,208	91	38	99	6	105	11.6
320.00	Unincorporated El Dorado County (Remainder Area)	0	5,122	2,193	538	18	44	39	83	61.4
321.00	Unincorporated El Dorado County (Remainder Area)	0	5,275	6,665	102	104	256	0	256	20.6
322.00	Unincorporated El Dorado County (Remainder Area)	0	7,440	7,974	553	153	387	33	420	17.7
323.00	Unincorporated El Dorado County (Remainder Area)	0	2,836	3,433	85	51	129	4	133	21.3
324.00	Unincorporated El Dorado County (Remainder Area)	0	3,629	4,752	61	64	165	0	165	22.0
325.00	Unincorporated El Dorado County (Remainder Area)	0	704	873	14	16	39	0	39	17.9
326.00	Unincorporated El Dorado County (Remainder Area)	0	2,165	2,716	54	49	121	1	122	17.8
327.00	Placerville	0	1,698	1,989	39	40	101	0	101	16.8
328.00	Unincorporated El Dorado County (Remainder Area)	0	844	991	18	19	48	0	48	17.6
329.00	Placerville	0	4,850	5,413	124	139	317	0	317	15.3
330.00	Unincorporated El Dorado County (Remainder Area)	0	2,690	3,099	65	73	184	0	184	14.6
331.00	Unincorporated El Dorado County (Remainder Area)	0	5,810	7,096	116	110	274	0	274	21.2
332.00	Unincorporated El Dorado County (Remainder Area)	0	1,536	1,793	36	47	104	0	104	14.7
333.00	Unincorporated El Dorado County (Remainder Area)	0	4,518	5,641	86	91	226	0	226	20.0
334.00	Unincorporated El Dorado County (Remainder Area)	0	3,807	1,168	1,319	26	58	110	168	22.7
335.00	Unincorporated El Dorado County (Remainder Area)	0	3,007	3,264	124	77	165	5	170	17.7
336.00	Unincorporated El Dorado County (Remainder Area)	0	1,220	1,464	25	30	70	0	70	17.3
337.00	Unincorporated El Dorado County (Remainder Area)	0	9,205	7,602	871	121	302	62	364	25.3
338.00	Unincorporated El Dorado County (Remainder Area)	0	14,073	17,780	370	322	831	14	845	16.7
339.00	Unincorporated El Dorado County (Remainder Area)	0	8,557	12,313	118	188	410	0	410	20.9
340.00	Unincorporated El Dorado County (Remainder Area)	0	6,877	8,546	224	93	205	14	219	31.4
341.00	Unincorporated El Dorado County (Remainder Area)	0	1,486	1,909	86	31	71	8	79	18.9
342.00	Unincorporated El Dorado County (Remainder Area)	0	2,614	3,254	49	48	124	0	124	21.1
343.00	Unincorporated El Dorado County (Remainder Area)	0	3,484	4,085	63	53	116	0	116	30.1
344.00	Unincorporated El Dorado County (Remainder Area)	0	3,758	4,468	68	55	120	0	120	31.3
345.00	Unincorporated El Dorado County (Remainder Area)	0	1,794	1,942	34	29	63	0	63	28.3
346.00	Unincorporated El Dorado County (Remainder Area)	0	1,271	1,394	24	22	49	0	49	25.7
347.00	Unincorporated El Dorado County (Remainder Area)	0	2,906	3,662	48	42	108	0	108	26.8
348.00	Unincorporated El Dorado County (Remainder Area)	0	2,796	2,982	62	49	110	0	110	25.4
349.00	Unincorporated El Dorado County (Remainder Area)	0	6,277	7,979	252	83	191	18	209	30.0
350.00	Unincorporated El Dorado County (Remainder Area)	0	1,176	1,676	17	22	48	0	48	24.5
351.00	Unincorporated El Dorado County (Remainder Area)	0	1,302	1,874	16	23	50	0	50	25.9
352.00	Unincorporated El Dorado County (Remainder Area)	0	1,854	2,617	24	29	63	0	63	29.3
353.00	Unincorporated El Dorado County (Remainder Area)	0	8,994	13,213	99	167	365	1	366	24.6
354.00	Unincorporated El Dorado County (Remainder Area)	0	5,512	3,513	747	53	116	77	193	28.6
355.00	Placerville	1	14,286	6,496	2,956	241	550	244	794	18.0
356.00	Placerville	1	2,491	2,631	73	91	195	0	195	12.8
357.00	Unincorporated El Dorado County (Remainder Area)	0	4,884	3,802	368	89	209	21	230	21.2
358.00	Placerville	0	5,868	2,922	1,188	81	190	98	288	20.4
359.00	Unincorporated El Dorado County (Remainder Area)	0	4,271	5,051	93	105	254	0	254	16.8
360.00	Unincorporated El Dorado County (Remainder Area)	0	5,326	5,747	240	98	237	10	247	21.6
361.00	Placerville	1	17,694	10,174	4,159	458	938	392	1,330	13.3
362.00	Placerville	1	46,214	5,885	10,938	252	591	876	1,467	31.5
363.00	Unincorporated El Dorado County (Remainder Area)	0	327	341	9	13	31	0	31	10.6
364.00	Placerville	0	4,033	3,509	415	138	328	30	358	11.3
365.00	El Dorado Diamond Springs	0	10,868	8,591	1,044	322	722	71	793	13.7
366.00	El Dorado Diamond Springs	0	379	272	42	15	31	4	35	10.8
367.00	El Dorado Diamond Springs	0	4,053	0	1,958	0	0	197	197	20.6
368.00	El Dorado Diamond Springs	0	1,583	1,716	48	68	149	0	149	10.6
369.00	El Dorado Diamond Springs	0	5,658	5,712	282	228	507	13	520	10.9
370.00	El Dorado Diamond Springs	0	6,427	0	3,033	0	0	303	303	21.2

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371.00	El Dorado Diamond Springs	0	738	790	17	21	47	0	47	15.8
372.00	El Dorado Diamond Springs	0	16,802	7,732	2,408	195	433	211	644	26.1
373.00	El Dorado Diamond Springs	0	651	638	19	26	59	0	59	11.1
374.00	El Dorado Diamond Springs	0	413	326	29	13	28	2	30	13.5
375.00	El Dorado Diamond Springs	0	367	365	10	14	32	0	32	11.6
376.00	El Dorado Diamond Springs	0	970	926	57	34	77	3	80	12.1
377.00	El Dorado Diamond Springs	0	560	326	157	13	29	14	43	12.9
378.00	El Dorado Diamond Springs	0	665	647	19	27	59	0	59	11.2
379.00	El Dorado Diamond Springs	0	1,097	1,104	31	48	105	0	105	10.4
380.00	El Dorado Diamond Springs	0	255	243	7	12	26	0	26	9.7
381.00	El Dorado Diamond Springs	0	158	142	5	7	15	0	15	10.3
382.00	El Dorado Diamond Springs	0	261	236	8	11	24	0	24	10.8
383.00	Unincorporated El Dorado County (Remainder Area)	0	1,587	1,730	40	46	102	0	102	15.5
384.00	El Dorado Diamond Springs	0	3,642	3,944	95	120	267	0	267	13.7
385.00	El Dorado Diamond Springs	0	11,674	13,565	336	451	1,002	0	1,002	11.6
386.00	El Dorado Diamond Springs	0	2,649	2,903	67	90	200	0	200	13.2
387.00	El Dorado Diamond Springs	0	1,169	922	107	36	80	8	88	13.3
388.00	El Dorado Diamond Springs	0	6,355	0	3,062	0	0	303	303	21.0
389.00	El Dorado Diamond Springs	0	6,130	11	2,616	2	4	264	268	22.8
390.00	El Dorado Diamond Springs	0	4,297	3,867	358	182	379	23	402	10.7
391.00	El Dorado Diamond Springs	0	2,176	195	546	11	23	54	77	28.3
392.00	El Dorado Diamond Springs	0	669	595	23	28	58	0	58	11.5
393.00	El Dorado Diamond Springs	0	8,987	6,294	1,003	268	605	68	673	13.3
394.00	El Dorado Diamond Springs	0	186	200	5	8	22	0	22	8.5
395.00	Placerville	1	62,261	1,567	26,065	74	166	2,253	2,419	25.7
396.00	El Dorado Diamond Springs	0	28,220	0	5,839	0	0	439	439	64.3
397.00	El Dorado Diamond Springs	0	1,327	1,254	69	50	114	3	117	11.3
398.00	El Dorado Diamond Springs	0	412	320	38	14	32	3	35	11.9
399.00	El Dorado Diamond Springs	0	1,122	1,122	32	43	97	0	97	11.6
400.00	El Dorado Diamond Springs	0	311	259	11	16	33	0	33	9.3
401.00	Placerville	0	9,006	651	2,627	28	63	213	276	32.7
402.00	El Dorado Diamond Springs	0	3,533	1,432	1,077	51	133	106	239	14.8
403.00	El Dorado Diamond Springs	0	23,844	3,627	7,782	124	258	654	912	26.1
404.00	El Dorado Diamond Springs	0	1,340	405	459	19	42	49	91	14.8
405.00	El Dorado Diamond Springs	0	168	148	5	9	20	0	20	8.5
406.00	El Dorado Diamond Springs	0	19,018	548	3,785	24	53	286	339	56.2
407.00	El Dorado Diamond Springs	0	9,550	18	3,374	1	2	309	311	30.7
408.00	El Dorado Diamond Springs	0	4,166	22	1,738	1	2	182	184	22.6
409.00	Placerville	0	18,701	2,991	5,649	104	248	445	693	27.0
410.00	El Dorado Diamond Springs	0	24,400	14,505	3,599	426	1,031	277	1,308	18.7
411.00	Placerville	1	50,611	6,091	13,298	298	712	1,271	1,983	25.5
412.00	Unincorporated El Dorado County (Remainder Area)	0	2,961	3,180	79	86	206	0	206	14.4
413.00	Placerville	0	3,593	3,753	102	126	301	0	301	11.9
414.00	El Dorado Diamond Springs	0	2,616	129	1,178	7	15	120	135	19.4
415.00	Unincorporated El Dorado County (Remainder Area)	0	432	438	12	18	40	0	40	10.7
416.00	El Dorado Diamond Springs	0	147	144	4	9	19	0	19	7.8
417.00	Placerville	1	9,696	1,087	2,868	45	114	278	392	24.7
418.00	Placerville	1	3,178	0	673	0	0	64	64	49.7
419.00	Placerville	1	3,290	0	845	0	0	85	85	38.7
420.00	Placerville	1	1,757	948	499	42	100	52	152	11.5
421.00	Placerville	1	1,653	1,559	97	68	163	5	168	9.9
422.00	Placerville	1	52,752	6,281	24,688	278	652	1,907	2,559	20.6
423.00	Unincorporated El Dorado County (Remainder Area)	0	458	477	12	20	48	0	48	9.6
424.00	Placerville	0	10,229	4,797	2,517	171	391	228	619	16.5
425.00	Placerville	0	52,914	32,027	5,949	1,167	2,617	563	3,180	16.6
426.00	Placerville	0	855	980	19	33	82	0	82	10.4
427.00	Unincorporated El Dorado County (Remainder Area)	0	3,946	4,511	92	93	232	0	232	17.0
428.00	Unincorporated El Dorado County (Remainder Area)	0	640	734	15	22	55	0	55	11.7
429.00	Unincorporated El Dorado County (Remainder Area)	0	1,306	1,640	35	35	83	0	83	15.8
430.00	Unincorporated El Dorado County (Remainder Area)	0	2,522	2,456	178	58	137	10	147	17.2
431.00	Placerville	1	1,793	467	655	22	45	60	105	17.1
432.00	Unincorporated El Dorado County (Remainder Area)	0	15,250	10,432	2,698	309	729	229	958	15.9
433.00	Placerville	1	10,394	9,571	706	481	1,041	36	1,077	9.7
434.00	Placerville	1	671	581	23	33	71	0	71	9.5
435.00	Placerville	1	1,183	639	243	36	77	27	104	11.4
436.00	Unincorporated El Dorado County (Remainder Area)	0	965	1,141	20	25	62	0	62	15.5
437.00	Unincorporated El Dorado County (Remainder Area)	0	5,358	5,632	248	117	287	12	299	17.9
438.00	Unincorporated El Dorado County (Remainder Area)	0	5,570	5,235	233	124	278	11	289	19.3
439.00	Unincorporated El Dorado County (Remainder Area)	0	5,404	6,269	172	156	350	3	353	15.3
440.00	Unincorporated El Dorado County (Remainder Area)	0	1,392	1,093	177	28	63	15	78	17.9
441.00	Placerville	1	361	374	9	12	29	0	29	12.6
442.00	Placerville	1	13,091	10,593	1,037	313	768	69	837	15.6
443.00	Unincorporated El Dorado County (Remainder Area)	0	1,455	1,558	36	38	85	0	85	17.1
444.00	Unincorporated El Dorado County (Remainder Area)	0	198	217	5	8	19	0	19	10.4

VMT Summary by Jurisdiction - 2018 Baseline Scenario (Plus Project)

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
445.00	Placerville	0	1,039	893	151	23	56	11	67	15.4
446.00	Placerville	1	1,760	843	247	25	59	19	78	22.7
447.00	Unincorporated El Dorado County (Remainder Area)	0	3,232	3,937	67	76	189	0	189	17.1
448.00	Placerville	0	1,797	2,077	74	53	130	4	134	13.4
449.00	Unincorporated El Dorado County (Remainder Area)	0	537	568	14	14	30	0	30	17.9
450.00	Unincorporated El Dorado County (Remainder Area)	0	3,260	2,657	393	84	180	31	211	15.5
451.00	Unincorporated El Dorado County (Remainder Area)	0	978	1,028	26	27	58	0	58	16.9
452.00	Placerville	0	6,294	4,026	500	121	259	33	292	21.5
453.00	Placerville	1	2,904	3,056	120	145	310	1	311	9.3
454.00	Unincorporated El Dorado County (Remainder Area)	0	565	539	18	25	54	0	54	10.6
455.00	Unincorporated El Dorado County (Remainder Area)	0	2,703	3,039	67	73	172	0	172	15.7
456.00	Unincorporated El Dorado County (Remainder Area)	0	1,872	2,044	48	51	109	0	109	17.1
457.00	Unincorporated El Dorado County (Remainder Area)	0	2,799	3,039	130	62	137	5	142	19.7
458.00	Placerville	0	2,934	2,582	344	67	157	26	183	16.0
459.00	Placerville	0	308	350	7	11	26	0	26	11.9
460.00	Unincorporated El Dorado County (Remainder Area)	0	1,455	959	265	22	47	20	67	21.7
461.00	Unincorporated El Dorado County (Remainder Area)	0	1,564	220	617	6	14	59	73	21.4
462.00	Unincorporated El Dorado County (Remainder Area)	0	5,227	1,269	1,757	31	66	125	191	27.3
463.00	Unincorporated El Dorado County (Remainder Area)	0	4,453	7,225	39	85	194	0	194	22.9
464.00	Unincorporated El Dorado County (Remainder Area)	0	2,518	3,295	39	47	104	0	104	24.3
465.00	Unincorporated El Dorado County (Remainder Area)	0	3,944	5,682	115	58	134	16	150	26.4
466.00	Unincorporated El Dorado County (Remainder Area)	0	3,534	4,398	201	61	139	22	161	21.9
467.00	Unincorporated El Dorado County (Remainder Area)	0	2,480	3,838	23	39	89	0	89	27.8
468.00	Unincorporated El Dorado County (Remainder Area)	0	6,760	9,728	125	120	277	6	283	23.9
469.00	Unincorporated El Dorado County (Remainder Area)	0	4,081	5,664	136	59	131	15	146	28.0
470.00	Unincorporated El Dorado County (Remainder Area)	0	2,026	3,067	27	32	73	1	74	27.4
471.00	Unincorporated El Dorado County (Remainder Area)	0	1,473	2,031	54	23	53	6	59	25.2
472.00	Unincorporated El Dorado County (Remainder Area)	0	1,950	2,290	147	26	59	20	79	24.6
473.00	Unincorporated El Dorado County (Remainder Area)	0	601	572	30	10	23	2	25	24.0
474.00	Unincorporated El Dorado County (Remainder Area)	0	1,688	2,165	28	37	81	0	81	20.9
475.00	Unincorporated El Dorado County (Remainder Area)	0	1,789	2,369	27	38	83	0	83	21.6
476.00	Unincorporated El Dorado County (Remainder Area)	0	857	1,117	12	16	41	0	41	20.8
477.00	Unincorporated El Dorado County (Remainder Area)	0	2,033	2,547	124	30	69	15	84	24.2
478.00	Unincorporated El Dorado County (Remainder Area)	0	1,473	1,901	24	30	66	0	66	22.3
479.00	Unincorporated El Dorado County (Remainder Area)	0	4,062	3,135	441	51	118	37	155	26.3
480.00	Unincorporated El Dorado County (Remainder Area)	0	1,296	1,993	13	20	46	0	46	28.4
481.00	Unincorporated El Dorado County (Remainder Area)	0	1,332	2,022	15	20	44	0	44	30.3
482.00	Unincorporated El Dorado County (Remainder Area)	0	5,624	7,921	92	74	163	3	166	33.9
483.00	Unincorporated El Dorado County (Remainder Area)	0	4,421	5,221	174	115	249	9	258	17.2
484.00	Unincorporated El Dorado County (Remainder Area)	0	6,736	5,608	948	91	227	114	341	19.8
485.00	Unincorporated El Dorado County (Remainder Area)	0	1,055	1,516	11	15	37	0	37	28.2
486.00	Unincorporated El Dorado County (Remainder Area)	0	4,049	5,857	47	69	156	0	156	26.0
487.00	Unincorporated El Dorado County (Remainder Area)	0	11,789	11,267	740	221	519	36	555	21.3
488.00	Unincorporated El Dorado County (Remainder Area)	0	5,509	7,521	86	107	242	0	242	22.8
489.00	Unincorporated El Dorado County (Remainder Area)	0	6,862	7,038	662	133	300	58	358	19.2
490.00	Unincorporated El Dorado County (Remainder Area)	0	1,169	1,521	19	24	60	0	60	19.5
491.00	Unincorporated El Dorado County (Remainder Area)	0	7,351	9,055	177	160	399	3	402	18.3
492.00	Unincorporated El Dorado County (Remainder Area)	0	5,042	4,443	410	71	176	31	207	24.4
493.00	Unincorporated El Dorado County (Remainder Area)	0	5,092	4,541	370	72	178	26	204	24.9
494.00	Unincorporated El Dorado County (Remainder Area)	0	3,247	3,938	138	68	170	10	180	18.1
495.00	Unincorporated El Dorado County (Remainder Area)	0	650	845	11	16	40	0	40	16.3
496.00	Unincorporated El Dorado County (Remainder Area)	0	7,354	4,533	833	81	201	67	268	27.5
497.00	Unincorporated El Dorado County (Remainder Area)	0	4,309	5,687	101	88	224	3	227	19.0
498.00	Unincorporated El Dorado County (Remainder Area)	0	3,427	4,437	104	70	158	6	164	20.9
499.00	Unincorporated El Dorado County (Remainder Area)	0	1,335	1,777	22	30	75	0	75	17.8
500.00	Unincorporated El Dorado County (Remainder Area)	0	4,108	1,348	605	11	26	51	77	53.5
501.00	Unincorporated El Dorado County (Remainder Area)	0	2,803	1,010	770	22	49	83	132	21.3
502.00	Unincorporated El Dorado County (Remainder Area)	0	6,985	7,636	352	117	272	18	290	24.1
503.00	Unincorporated El Dorado County (Remainder Area)	0	4,166	0	1,012	1	2	76	78	53.3
504.00	Unincorporated El Dorado County (Remainder Area)	0	6,073	6,457	344	141	313	19	332	18.3
505.00	Unincorporated El Dorado County (Remainder Area)	0	73	85	1	3	7	0	7	11.0
506.00	Unincorporated El Dorado County (Remainder Area)	0	1,023	1,236	22	28	62	0	62	16.5
507.00	Unincorporated El Dorado County (Remainder Area)	0	2,741	2,365	393	50	116	37	153	17.9
508.00	Unincorporated El Dorado County (Remainder Area)	0	6,677	3,482	1,842	85	184	186	370	18.1
509.00	Unincorporated El Dorado County (Remainder Area)	0	391	425	22	12	27	2	29	13.7
510.00	Unincorporated El Dorado County (Remainder Area)	0	3,220	3,483	158	92	199	10	209	15.4
511.00	Unincorporated El Dorado County (Remainder Area)	0	2,734	1,872	360	45	105	33	138	19.9
512.00	Unincorporated El Dorado County (Remainder Area)	0	2,828	1,967	368	37	86	27	113	25.0
513.00	Unincorporated El Dorado County (Remainder Area)	0	7,394	10,688	84	142	354	0	354	20.9
514.00	Unincorporated El Dorado County (Remainder Area)	0	31,750	46,734	312	622	1,551	0	1,551	20.5
515.00	Unincorporated El Dorado County (Remainder Area)	0	3,588	4,755	106	69	176	8	184	19.5
516.00	Unincorporated El Dorado County (Remainder Area)	0	8,080	11,717	87	142	362	0	362	22.3
517.00	Unincorporated El Dorado County (Remainder Area)	0	18,890	21,104	1,118	388	857	101	958	19.7
518.00	Unincorporated El Dorado County (Remainder Area)	0	11,875	15,652	308	289	671	17	688	17.3

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519.00	Unincorporated El Dorado County (Remainder Area)	0	5,858	7,782	191	142	330	12	342	17.2
520.00	Unincorporated El Dorado County (Remainder Area)	0	11,897	16,040	269	266	617	12	629	18.9
521.00	Unincorporated El Dorado County (Remainder Area)	0	10,809	13,038	583	290	641	60	701	15.4
522.00	Unincorporated El Dorado County (Remainder Area)	0	5,076	7,188	64	85	221	0	221	23.0
523.00	Unincorporated El Dorado County (Remainder Area)	0	16,408	10,306	1,918	240	588	206	794	20.7
524.00	Unincorporated El Dorado County (Remainder Area)	0	14,781	12,666	1,118	205	490	103	593	24.9
525.00	Unincorporated El Dorado County (Remainder Area)	0	4,882	7,148	44	85	199	0	199	24.5
526.00	Unincorporated El Dorado County (Remainder Area)	0	245	336	3	5	12	0	12	20.1
527.00	Unincorporated El Dorado County (Remainder Area)	0	7,733	9,454	362	162	380	38	418	18.5
528.00	Unincorporated El Dorado County (Remainder Area)	0	59,853	84,372	800	1,001	2,429	72	2,501	23.9
529.00	Unincorporated El Dorado County (Remainder Area)	0	916	1,147	13	15	36	0	36	25.3
530.00	Unincorporated El Dorado County (Remainder Area)	0	12,904	17,285	193	191	462	0	462	27.9
531.00	Unincorporated El Dorado County (Remainder Area)	0	2,522	3,384	35	34	82	0	82	30.7
532.00	Unincorporated El Dorado County (Remainder Area)	0	3,992	5,147	60	61	147	0	147	27.1
533.00	Unincorporated El Dorado County (Remainder Area)	0	9,311	8,557	649	105	271	34	305	30.5
534.00	Unincorporated El Dorado County (Remainder Area)	0	3,778	4,941	53	53	128	0	128	29.5
535.00	Unincorporated El Dorado County (Remainder Area)	0	5,925	7,792	75	91	221	0	221	26.8
536.00	Unincorporated El Dorado County (Remainder Area)	0	5,084	6,568	65	82	200	0	200	25.5
537.00	Unincorporated El Dorado County (Remainder Area)	0	10,380	14,120	107	165	402	0	402	25.8
538.00	Unincorporated El Dorado County (Remainder Area)	0	3,966	3,042	306	44	107	22	129	30.8
539.00	Unincorporated El Dorado County (Remainder Area)	0	13,031	1,313	2,089	6	15	166	181	72.2
540.00	Unincorporated El Dorado County (Remainder Area)	0	2,860	0	576	0	0	53	53	54.0
541.00	Unincorporated El Dorado County (Remainder Area)	0	1,049	1,115	62	18	42	6	48	21.8
542.00	Unincorporated El Dorado County (Remainder Area)	0	3,604	3,075	414	52	123	37	160	22.5
543.00	Unincorporated El Dorado County (Remainder Area)	0	10,555	2,421	1,779	49	114	107	221	47.7
544.00	Unincorporated El Dorado County (Remainder Area)	0	678	493	104	9	21	8	29	23.4
545.00	Unincorporated El Dorado County (Remainder Area)	0	1,520	2,043	16	23	54	0	54	28.3
546.00	Unincorporated El Dorado County (Remainder Area)	0	4,812	6,426	54	61	143	0	143	33.8
547.00	Unincorporated El Dorado County (Remainder Area)	0	4,025	522	484	10	23	46	69	58.0
548.00	Unincorporated El Dorado County (Remainder Area)	0	17,423	23,185	468	386	910	22	932	18.7
549.00	Unincorporated El Dorado County (Remainder Area)	0	2,155	2,706	39	42	99	0	99	21.8
550.00	Unincorporated El Dorado County (Remainder Area)	0	264	345	4	7	18	0	18	14.7
551.00	Unincorporated El Dorado County (Remainder Area)	0	5,423	2,511	783	41	105	54	159	34.0
552.00	Unincorporated El Dorado County (Remainder Area)	0	2,437	420	501	8	19	32	51	48.1
553.00	Unincorporated El Dorado County (Remainder Area)	0	1,563	2,046	26	32	75	0	75	20.9
554.00	Unincorporated El Dorado County (Remainder Area)	0	4,034	5,217	105	83	194	4	198	20.4
555.00	Unincorporated El Dorado County (Remainder Area)	0	1,648	2,226	24	34	80	0	80	20.5
556.00	Unincorporated El Dorado County (Remainder Area)	0	5,078	6,942	66	82	192	0	192	26.5
557.00	Unincorporated El Dorado County (Remainder Area)	0	1,691	2,087	31	35	82	1	83	20.4
558.00	Unincorporated El Dorado County (Remainder Area)	0	2,715	2,983	164	36	84	19	103	26.2
559.00	Unincorporated El Dorado County (Remainder Area)	0	1,379	1,827	17	25	59	0	59	23.5
560.00	Unincorporated El Dorado County (Remainder Area)	0	1,600	1,663	100	27	63	10	73	21.9
561.00	Unincorporated El Dorado County (Remainder Area)	0	1,176	1,568	18	22	52	0	52	22.6
562.00	Unincorporated El Dorado County (Remainder Area)	0	4,013	5,894	39	62	145	0	145	27.6
563.00	Unincorporated El Dorado County (Remainder Area)	0	2,205	3,350	17	32	71	0	71	31.2
564.00	Unincorporated El Dorado County (Remainder Area)	0	618	828	10	14	33	0	33	18.5
565.00	Unincorporated El Dorado County (Remainder Area)	0	2,619	3,643	39	56	129	0	129	20.3
566.00	Unincorporated El Dorado County (Remainder Area)	0	3,980	5,353	71	93	220	1	221	18.0
567.00	Unincorporated El Dorado County (Remainder Area)	0	668	810	26	18	42	2	44	15.3
568.00	Unincorporated El Dorado County (Remainder Area)	0	927	1,249	14	26	62	0	62	15.1
569.00	Unincorporated El Dorado County (Remainder Area)	0	3,698	2,829	299	61	144	31	175	21.1
570.00	Unincorporated El Dorado County (Remainder Area)	0	4,748	2,114	777	40	92	92	184	25.8
571.00	Unincorporated El Dorado County (Remainder Area)	0	1,365	1,830	22	33	76	0	76	17.9
572.00	Unincorporated El Dorado County (Remainder Area)	0	1,863	1,367	263	25	61	34	95	19.6
573.00	Unincorporated El Dorado County (Remainder Area)	0	6,492	7,813	122	89	197	2	199	32.7
574.00	Unincorporated El Dorado County (Remainder Area)	0	5,038	7,975	30	71	174	0	174	28.9
575.00	Unincorporated El Dorado County (Remainder Area)	0	2,769	4,102	16	29	71	0	71	38.9
576.00	Unincorporated El Dorado County (Remainder Area)	0	1,088	1,534	17	19	42	1	43	25.3
577.00	Unincorporated El Dorado County (Remainder Area)	0	750	1,111	7	13	29	0	29	26.1
578.00	Unincorporated El Dorado County (Remainder Area)	0	23,416	37,156	106	370	817	0	817	28.6
579.00	Unincorporated El Dorado County (Remainder Area)	0	3,780	5,263	101	38	96	12	108	34.9
580.00	Unincorporated El Dorado County (Remainder Area)	0	2,882	4,124	62	35	89	5	94	30.7
581.00	Unincorporated El Dorado County (Remainder Area)	0	4,275	5,092	292	43	95	32	127	33.8
582.00	Unincorporated El Dorado County (Remainder Area)	0	1,257	1,704	17	13	34	0	34	37.2
583.00	Unincorporated El Dorado County (Remainder Area)	0	27,684	43,208	213	352	774	10	784	35.3
584.00	Unincorporated El Dorado County (Remainder Area)	0	1,735	2,089	56	18	40	3	43	40.7
585.00	Unincorporated El Dorado County (Remainder Area)	0	9,553	14,332	78	124	273	0	273	35.0
586.00	Unincorporated El Dorado County (Remainder Area)	0	5,836	2,510	1,562	51	91	92	183	31.9
587.00	Unincorporated El Dorado County (Remainder Area)	0	2,268	3,396	17	39	99	0	99	22.8
588.00	Unincorporated El Dorado County (Remainder Area)	0	19,665	29,987	126	323	805	0	805	24.4
589.00	Unincorporated El Dorado County (Remainder Area)	0	392	624	2	3	12	0	12	32.7
590.00	Unincorporated El Dorado County (Remainder Area)	0	827	1,136	12	18	46	0	46	18.1
591.00	Unincorporated El Dorado County (Remainder Area)	0	86	121	1	3	8	0	8	11.3
592.00	Unincorporated El Dorado County (Remainder Area)	0	12,669	13,163	742	339	749	91	840	15.1

VMT Summary by Jurisdiction - 2018 Baseline Scenario (Plus Project)

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
593.00	Unincorporated El Dorado County (Remainder Area)	0	6,902	9,016	266	151	382	28	410	16.8
594.00	Unincorporated El Dorado County (Remainder Area)	0	16,868	24,633	183	312	790	5	795	21.2
595.00	Unincorporated El Dorado County (Remainder Area)	0	1,934	1,814	266	25	56	31	87	22.1
596.00	Unincorporated El Dorado County (Remainder Area)	0	2,824	2,765	221	34	85	25	110	25.7
597.00	Unincorporated El Dorado County (Remainder Area)	0	11,026	4,001	1,922	106	234	278	512	21.5
598.00	Unincorporated El Dorado County (Remainder Area)	0	1,719	539	260	14	31	35	66	26.1
599.00	Unincorporated El Dorado County (Remainder Area)	0	709	962	11	17	38	0	38	18.9
600.00	Unincorporated El Dorado County (Remainder Area)	0	11,230	10,988	1,271	205	453	130	583	19.3
601.00	Unincorporated El Dorado County (Remainder Area)	0	1,337	1,897	4	10	22	0	22	60.8
602.00	Unincorporated El Dorado County (Remainder Area)	0	433	136	53	3	5	2	7	59.1
603.00	Unincorporated El Dorado County (Remainder Area)	0	905	725	84	11	20	2	22	42.0
604.00	Unincorporated El Dorado County (Remainder Area)	0	1,417	1,770	109	17	33	3	36	39.2
605.00	Unincorporated El Dorado County (Remainder Area)	0	1,655	1,764	87	18	38	2	40	41.4
606.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
607.00	Unincorporated El Dorado County (Remainder Area)	0	3,525	4,843	12	19	49	0	49	71.4
608.00	Unincorporated El Dorado County (Remainder Area)	0	6	0	0	1	2	0	2	2.9
609.00	Unincorporated El Dorado County (Remainder Area)	0	3,021	3,185	117	34	72	4	76	39.9
610.00	El Dorado Hills	0	38,746	186	20,380	0	0	1,745	1,745	22.2
611.00	El Dorado Hills	0	315	0	10	153	0	1	1	314.6
612.00	El Dorado Hills	0	79,225	0	44,503	0	0	3,121	3,121	25.4
613.00	Unincorporated El Dorado County (Remainder Area)	0	70	67	1	2	5	0	5	13.7
614.00	El Dorado Hills	0	5,949	7,109	115	150	383	0	383	15.5
615.00	El Dorado Hills	0	12,122	9,057	1,031	150	402	75	477	25.4
616.00	El Dorado Hills	0	1,370	1,634	25	37	94	0	94	14.6
617.00	El Dorado Hills	0	20,710	12,711	1,250	187	547	118	665	31.1
618.00	El Dorado Hills	0	3,147	0	1,245	0	0	146	146	21.6
619.00	El Dorado Hills	0	3,445	0	1,254	0	0	151	151	22.8
620.00	El Dorado Hills	0	17,897	3,485	1,782	0	0	188	188	95.2
621.00	El Dorado Hills	0	14,155	18,645	223	327	957	0	957	14.8
622.00	El Dorado Hills	0	21,731	21,336	1,627	370	1,083	147	1,230	17.7
623.00	Unincorporated El Dorado County (Remainder Area)	0	394	0	175	0	0	16	16	24.6
624.00	El Dorado Hills	0	15,581	17,495	1,184	308	905	96	1,001	15.6
625.00	El Dorado Hills	0	861	0	417	0	0	40	40	21.5
626.00	Unincorporated El Dorado County (Remainder Area)	0	8,657	7,497	1,096	164	383	98	481	18.0
627.00	Unincorporated El Dorado County (Remainder Area)	0	53,920	0	11,188	0	0	897	897	60.1
628.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
629.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
630.00	Unincorporated El Dorado County (Remainder Area)	0	49,766	65,687	784	800	2,358	0	2,358	21.1
631.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
632.00	Unincorporated El Dorado County (Remainder Area)	0	1,438	1,734	25	37	94	0	94	15.4
633.00	Unincorporated El Dorado County (Remainder Area)	0	6,257	7,447	121	150	379	0	379	16.5
634.00	Unincorporated El Dorado County (Remainder Area)	0	6,557	7,847	121	150	379	0	379	17.3
635.00	Unincorporated El Dorado County (Remainder Area)	0	5,040	5,991	94	113	286	0	286	17.6
636.00	Unincorporated El Dorado County (Remainder Area)	0	4,350	6,064	81	120	322	0	322	13.5
637.00	Unincorporated El Dorado County (Remainder Area)	0	8,075	9,950	140	171	458	0	458	17.6
638.00	Unincorporated El Dorado County (Remainder Area)	0	1,037	1,267	16	23	62	0	62	16.8
639.00	Unincorporated El Dorado County (Remainder Area)	0	2,265	2,811	36	46	123	0	123	18.4
640.00	Unincorporated El Dorado County (Remainder Area)	0	7,833	9,700	127	176	472	0	472	16.6
641.00	Unincorporated El Dorado County (Remainder Area)	0	2,085	2,597	33	46	123	0	123	16.9
642.00	Unincorporated El Dorado County (Remainder Area)	0	28,369	33,367	1,273	637	1,708	93	1,801	15.8
643.00	Unincorporated El Dorado County (Remainder Area)	0	9,759	12,046	163	216	579	0	579	16.9
644.00	Unincorporated El Dorado County (Remainder Area)	0	2,916	3,661	47	76	194	0	194	15.0
645.00	Unincorporated El Dorado County (Remainder Area)	0	21,232	24,616	960	415	1,059	51	1,110	19.1
646.00	Unincorporated El Dorado County (Remainder Area)	0	8,806	10,995	156	192	490	0	490	18.0
647.00	Unincorporated El Dorado County (Remainder Area)	0	1,593	1,897	69	38	97	6	103	15.5
648.00	Unincorporated El Dorado County (Remainder Area)	0	1,810	2,164	46	38	182	2	184	9.8
649.00	Unincorporated El Dorado County (Remainder Area)	0	5,538	3,125	32	38	194	0	194	28.6
650.00	Outside of County	0	3,025,978	1,489,753	472,120	0	0	0	0	-
651.00	Outside of County	0	28,496	14,324	4,234	0	0	0	0	-
652.00	Outside of County	0	0	0	0	0	0	0	0	-
653.00	Outside of County	0	392,159	159,722	51,754	0	0	0	0	-
654.00	Outside of County	0	56,458	9,122	2,912	0	0	0	0	-
655.00	Outside of County	0	269,961	107,641	35,173	0	0	0	0	-
656.00	Outside of County	0	77,246	18,128	8,678	0	0	0	0	-
657.00	Outside of County	0	186,505	8,189	3,840	0	0	0	0	-
658.00	Outside of County	0	0	0	0	0	0	0	0	-
659.00	Outside of County	0	7,586	3,136	1,436	0	0	0	0	-
660.00	Outside of County	0	164,348	81,766	31,464	0	0	0	0	-
661.00	Outside of County	0	156,625	71,345	25,634	0	0	0	0	-
662.00	Outside of County	0	702,106	338,331	119,476	0	0	0	0	-
663.00	Outside of County	0	681,579	227,566	81,050	0	0	0	0	-
664.00	Outside of County	0	348,750	190,633	55,478	0	0	0	0	-
665.00	Outside of County	0	199,955	79,864	31,247	0	0	0	0	-
666.00	Outside of County	0	88,505	45,215	14,467	0	0	0	0	-

VMT Summary by Jurisdiction - 2018 Baseline Scenario (Plus Project)

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
667.00	Outside of County	0	0	0	0	0	0	0	0	-
668.00	Outside of County	0	513,759	311,735	0	0	0	0	0	-
669.00	Outside of County	0	0	0	0	0	0	0	0	-
670.00	Outside of County	0	0	0	0	0	0	0	0	-
671.00	Outside of County	0	170,144	96,001	23,917	0	0	0	0	-
672.00	Outside of County	0	33,252	34,227	0	0	0	0	0	-
673.00	Outside of County	0	24,894	14,887	0	0	0	0	0	-
674.00	Outside of County	0	355,426	29,931	0	0	0	0	0	-

2040 Baseline Scenario (Plus Project)

VMT Summary by Jurisdiction - 2040 Baseline Scenario (Plus Project)

	VMT Estimates			VMT Efficiency Metrics			Population Details				
Jurisdiction	Total OD VMT	Home-based PA VMT	Home-based Work PA VMT	Total VMT per Service Population	Home-based VMT per Capita	Home-based Work VMT per Employee	Total Households	Total Population	Total Employment	Total Service Population	Persons Per Household
City of Placerville	403,870	62,758	105,859	24.8	8.2	12.2	3,429	7,658	8,649	16,307	2.23
Unincorporated El Dorado County	5,080,492	3,156,150	676,156	21.1	17.1	12.0	73,892	184,271	56,413	240,685	2.49
630	39,227	50,585	697	16.64	21.5		800	2,358	0	2,358	2.95
				Threshold	14.5	10.2					

VMT Summary by Jurisdiction - 2040 Baseline Scenario (Plus Project)

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
1.00	Unincorporated El Dorado County (Remainder Area)	0	5,584	1,765	822	47	99	36	135	41.4
2.00	Unincorporated El Dorado County (Remainder Area)	0	23,239	24,523	873	592	1,338	77	1,415	16.4
3.00	Unincorporated El Dorado County (Remainder Area)	0	5,283	6,552	98	74	180	0	180	29.4
4.00	Unincorporated El Dorado County (Remainder Area)	0	1,065	1,366	17	16	35	0	35	30.6
5.00	Unincorporated El Dorado County (Remainder Area)	0	2,583	3,584	26	33	73	0	73	35.4
6.00	Unincorporated El Dorado County (Remainder Area)	0	13,799	15,930	507	366	847	14	861	16.0
7.00	Unincorporated El Dorado County (Remainder Area)	0	24,267	26,816	1,349	565	1,223	92	1,315	18.4
8.00	Unincorporated El Dorado County (Remainder Area)	0	11,280	573	1,973	15	38	129	167	67.6
9.00	Unincorporated El Dorado County (Remainder Area)	0	25,137	30,494	628	559	1,400	13	1,413	17.8
10.00	Outside of County	0	108,656	87,628	11,389	2,178	5,588	1,056	6,644	16.4
11.00	Outside of County	0	112,199	80,994	13,803	2,148	5,511	1,297	6,808	16.5
12.00	Outside of County	0	58,915	45,062	4,894	1,179	3,234	437	3,671	16.0
13.00	Outside of County	0	34,592	40,217	1,546	906	2,458	99	2,557	13.5
14.00	Outside of County	0	58,711	68,015	1,710	1,511	4,120	78	4,198	14.0
15.00	Outside of County	0	3,049	3,921	59	58	166	0	166	18.4
16.00	Outside of County	0	56,247	21,766	7,615	659	1,614	689	2,303	24.4
17.00	Outside of County	0	160,846	140,332	14,016	2,811	7,160	1,363	8,523	18.9
18.00	Outside of County	0	84,366	96,171	3,619	1,930	4,652	246	4,898	17.2
19.00	Outside of County	0	10,302	5,765	1,091	96	217	103	320	32.2
20.00	Outside of County	0	7,654	142	4,107	2	7	283	290	26.4
21.00	Outside of County	0	26,292	74	13,667	2	4	1,082	1,086	24.2
22.00	Outside of County	0	1,686	10	338	1	1	21	22	76.6
23.00	Outside of County	0	29,098	12,748	3,694	115	322	261	583	49.9
24.00	Outside of County	0	4,219	3,144	140	133	133	0	133	31.7
25.00	Outside of County	0	0	0	0	0	0	0	0	-
26.00	Outside of County	0	109,137	102,609	7,970	2,238	5,070	642	5,712	19.1
27.00	Outside of County	0	8,219	76	3,039	2	5	338	343	24.0
28.00	Outside of County	0	240,457	201,327	17,205	4,828	12,553	1,923	14,476	16.6
29.00	Outside of County	0	8,662	11,049	162	170	486	0	486	17.8
30.00	Outside of County	0	70,890	73,143	5,817	1,194	3,041	368	3,409	20.8
31.00	Outside of County	0	10,229	5,262	598	41	106	44	150	68.0
32.00	Outside of County	0	29,803	38,483	685	692	1,811	21	1,832	16.3
33.00	Outside of County	0	38,400	47,688	1,364	857	2,183	69	2,252	17.1
34.00	Outside of County	0	6,124	5,963	703	69	156	32	188	32.6
35.00	Outside of County	0	30,762	37,259	777	812	2,092	0	2,092	14.7
36.00	Outside of County	0	37,315	45,104	907	910	2,318	0	2,318	16.1
37.00	Outside of County	0	58,364	2,571	22,143	57	142	1,643	1,785	32.7
38.00	Outside of County	0	6,681	3,889	637	57	142	45	187	35.8
39.00	Outside of County	0	17,052	14,612	2,128	514	1,180	181	1,361	12.5
40.00	Outside of County	0	75,957	22,183	16,258	851	1,972	1,905	3,877	19.6
41.00	Outside of County	0	35,522	24,458	7,550	592	1,368	567	1,935	18.4
42.00	Outside of County	0	175,068	97,083	24,771	2,081	5,108	1,911	7,019	24.9
43.00	Outside of County	0	34,457	40,157	973	849	2,170	46	2,216	15.5
44.00	Outside of County	0	110,436	80,827	8,886	1,827	4,654	791	5,445	20.3
45.00	Outside of County	0	72,658	23,166	12,136	846	1,936	1,262	3,198	22.7
46.00	Outside of County	0	5,975	6,531	152	164	375	0	375	15.9
47.00	Outside of County	0	201,846	9,503	80,920	284	681	5,991	6,672	30.3
48.00	Outside of County	0	48,317	42,952	3,746	1,211	3,071	266	3,337	14.5
49.00	Outside of County	0	110,091	587	50,128	18	45	4,248	4,293	25.6
50.00	Outside of County	0	73,340	36,429	21,868	981	2,487	1,736	4,223	17.4
51.00	Outside of County	0	98,214	51,971	15,743	1,710	4,116	1,373	5,489	17.9
52.00	Outside of County	0	30,635	15,146	3,178	279	629	279	908	33.7
53.00	Outside of County	0	78,307	48,021	10,865	1,399	3,606	983	4,589	17.1
54.00	Outside of County	0	59,931	22,519	22,359	494	1,220	1,748	2,968	20.2
55.00	Outside of County	0	76,959	30,309	13,888	639	1,471	1,127	2,598	29.6
56.00	Outside of County	0	35,890	40,225	1,286	872	2,337	56	2,393	15.0
57.00	Outside of County	0	105,806	24,151	45,888	660	1,466	4,152	5,618	18.8
58.00	Outside of County	0	36,128	26,162	4,438	613	1,587	352	1,939	18.6
59.00	Outside of County	0	45,181	90	26,950	2	5	2,191	2,196	20.6
60.00	Outside of County	0	68,052	8,271	30,936	240	512	2,711	3,223	21.1
61.00	Outside of County	0	140,652	87,476	22,670	2,381	5,595	1,810	7,405	19.0
62.00	Outside of County	0	51,625	1,922	23,926	33	110	2,000	2,110	24.5
63.00	Outside of County	0	66,172	5,296	27,205	143	350	2,462	2,812	23.5
64.00	Outside of County	0	129,677	73,836	20,808	2,031	5,053	1,733	6,786	19.1
65.00	Outside of County	0	5,636	6,358	126	127	328	0	328	17.2
66.00	Outside of County	0	37,761	28,228	4,194	887	2,117	331	2,448	15.4
67.00	Outside of County	0	117,331	21,933	38,769	633	1,374	3,381	4,755	24.7
68.00	Outside of County	0	38,648	12,459	10,828	453	946	1,002	1,948	19.8
69.00	Outside of County	0	240,861	69,148	97,172	1,950	5,172	7,364	12,536	19.2
70.00	Outside of County	0	161,029	1,054	97,433	15	38	7,503	7,541	21.4
71.00	Outside of County	0	216,751	130,610	32,187	2,596	6,730	2,417	9,147	23.7
72.00	Outside of County	0	269,967	753	154,493	0	0	10,084	10,084	26.8
73.00	Outside of County	0	96,539	0	60,813	0	0	4,612	4,612	20.9
74.00	Outside of County	0	134,725	17,308	66,520	546	1,335	5,255	6,590	20.4

VMT Summary by Jurisdiction - 2040 Baseline Scenario (Plus Project)

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
75.00	Outside of County	0	84,147	61,996	17,026	1,946	4,535	1,072	5,607	15.0
76.00	Outside of County	0	27,779	16,976	3,839	497	1,333	313	1,646	16.9
77.00	Outside of County	0	79,661	41,539	19,331	1,068	2,684	1,384	4,068	19.6
78.00	Outside of County	0	70,628	0	20,405	1	2	1,777	1,779	39.7
79.00	Outside of County	0	75,903	58,071	9,272	1,345	3,258	620	3,878	19.6
80.00	Outside of County	0	33,665	0	16,489	0	0	1,306	1,306	25.8
81.00	Outside of County	0	179,069	0	100,558	0	0	7,809	7,809	22.9
82.00	Outside of County	0	52,438	0	26,116	0	0	2,171	2,171	24.2
83.00	Outside of County	0	51,089	34,409	6,772	590	1,536	460	1,996	25.6
84.00	Outside of County	0	51,808	42,002	4,108	1,305	3,049	306	3,355	15.4
85.00	Outside of County	0	54,868	45,848	4,664	1,261	3,154	354	3,508	15.6
86.00	Outside of County	0	85,204	61,177	8,287	1,996	4,538	681	5,219	16.3
87.00	Outside of County	0	63,612	50,830	7,549	1,845	3,996	613	4,609	13.8
88.00	Outside of County	0	71,179	42,310	8,221	1,184	2,955	696	3,651	19.5
89.00	Outside of County	0	18,719	0	6,051	0	0	455	455	41.1
90.00	Outside of County	0	57,298	2,016	28,327	92	157	2,453	2,610	22.0
91.00	Outside of County	0	99,437	13,519	36,560	389	997	3,846	4,843	20.5
92.00	Outside of County	0	50,945	47,789	2,478	1,234	2,964	133	3,097	16.4
93.00	Outside of County	0	93,363	65,038	18,697	1,374	3,459	1,484	4,943	18.9
94.00	Outside of County	0	1,125	102	457	2	4	41	45	25.0
95.00	Outside of County	0	120,122	0	63,439	0	0	4,542	4,542	26.4
96.00	Outside of County	0	161,366	53,731	54,201	1,026	2,520	3,884	6,404	25.2
97.00	Outside of County	0	57,162	51,100	4,462	1,030	2,624	349	2,973	19.2
98.00	Outside of County	0	84,433	13,330	27,357	375	984	2,705	3,689	22.9
99.00	Outside of County	0	71,305	27,603	23,148	806	1,976	2,391	4,367	16.3
100.00	Outside of County	0	21,423	26,861	441	470	1,178	0	1,178	18.2
101.00	Outside of County	0	54,650	41,563	8,804	869	2,253	822	3,075	17.8
102.00	Outside of County	0	22,172	5,184	6,163	92	237	467	704	31.5
103.00	Outside of County	0	95,878	106,274	3,991	2,474	5,823	281	6,104	15.7
104.00	Outside of County	0	60,128	9,185	12,951	184	451	868	1,319	45.6
105.00	Outside of County	0	40,631	52,058	879	1,011	2,513	10	2,523	16.1
106.00	Outside of County	0	6,843	0	3,172	0	0	283	283	24.2
107.00	Outside of County	0	297,329	40,518	94,749	1,362	3,008	7,445	10,453	28.4
108.00	Outside of County	0	27,155	17,018	5,713	370	988	479	1,467	18.5
109.00	Outside of County	0	16,663	0	7,351	0	0	563	563	29.6
110.00	Outside of County	0	62,357	8,651	28,511	209	495	2,207	2,702	23.1
111.00	Outside of County	0	82,259	7,465	15,356	223	512	1,049	1,561	52.7
112.00	Outside of County	0	134,402	30,478	26,959	763	2,056	2,119	4,175	32.2
113.00	Outside of County	0	53,869	115	23,753	0	0	2,386	2,386	22.6
114.00	Outside of County	0	36,144	29,643	6,439	809	2,141	572	2,713	13.3
115.00	Outside of County	0	153,336	86,275	20,883	1,900	4,875	1,584	6,459	23.7
116.00	Outside of County	0	2,994	0	1,480	0	0	116	116	25.8
117.00	Outside of County	0	51,717	17,215	15,400	327	920	1,448	2,368	21.8
118.00	Outside of County	0	76,668	80,887	3,256	2,338	6,182	191	6,373	12.0
119.00	Outside of County	0	134,170	7,141	62,567	216	540	6,222	6,762	19.8
120.00	Outside of County	0	177,088	0	43,516	0	0	4,669	4,669	37.9
121.00	Outside of County	0	137,670	48,635	19,601	1,513	3,882	1,917	5,799	23.7
122.00	Outside of County	0	56,608	15,069	10,527	533	1,248	1,125	2,373	23.9
123.00	Outside of County	0	28,639	7,025	5,115	200	547	536	1,083	26.4
124.00	Outside of County	0	52,860	48,187	2,793	1,044	2,229	168	2,397	22.1
125.00	Outside of County	0	27,943	10,028	5,568	414	817	583	1,400	20.0
126.00	Outside of County	0	16,179	4,862	2,913	156	342	274	616	26.2
127.00	Outside of County	0	38,656	33,782	2,395	870	1,855	169	2,024	19.1
128.00	Outside of County	0	66,102	47,478	6,819	1,262	2,600	538	3,138	21.1
129.00	Outside of County	0	41,374	43,747	1,834	1,045	2,302	117	2,419	17.1
130.00	Outside of County	0	21,044	9,184	2,666	342	786	298	1,084	19.4
131.00	Outside of County	0	47,414	14,735	11,308	494	1,013	1,272	2,285	20.7
132.00	Outside of County	0	27,983	23,266	2,775	556	1,258	235	1,493	18.7
133.00	Outside of County	0	118,534	58,524	14,504	2,077	5,182	1,628	6,810	17.4
134.00	Outside of County	0	61,363	30,080	18,123	1,074	2,483	1,578	4,061	15.1
135.00	Outside of County	0	50,391	0	27,630	0	0	2,740	2,740	18.4
136.00	Outside of County	0	25,861	27,685	1,376	661	1,688	93	1,781	14.5
137.00	Outside of County	0	112,606	103,097	7,040	2,426	6,986	595	7,581	14.9
138.00	El Dorado Diamond Springs	0	21,923	6,074	4,336	264	577	297	874	25.1
139.00	El Dorado Diamond Springs	0	10,542	1,339	1,708	67	144	156	300	35.1
140.00	El Dorado Diamond Springs	0	56,968	127	10,284	10	22	811	833	68.4
141.00	Unincorporated El Dorado County (Remainder Area)	0	1,490	1,670	28	21	49	0	49	30.3
142.00	Unincorporated El Dorado County (Remainder Area)	0	6,585	6,510	171	156	347	0	347	19.0
143.00	Unincorporated El Dorado County (Remainder Area)	0	4,206	3,317	256	108	240	12	252	16.7
144.00	Unincorporated El Dorado County (Remainder Area)	0	4,018	3,567	340	80	200	21	221	18.2
145.00	Unincorporated El Dorado County (Remainder Area)	0	742	648	25	30	70	0	70	10.6
146.00	El Dorado Diamond Springs	0	6,247	2,337	1,110	114	261	98	359	17.4
147.00	El Dorado Diamond Springs	0	3,726	3,548	132	165	378	0	378	9.8
148.00	Outside of County	0	155,388	185,790	5,384	2,264	5,302	120	5,422	28.7

VMT Summary by Jurisdiction - 2040 Baseline Scenario (Plus Project)

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149.00	Shingle Springs	0	16,595	1,754	3,534	53	149	287	436	38.1
150.00	Unincorporated El Dorado County (Remainder Area)	0	6,021	6,848	131	107	254	0	254	23.7
151.00	Unincorporated El Dorado County (Remainder Area)	0	1,315	1,743	19	23	67	0	67	19.7
152.00	Shingle Springs	0	34,116	6,144	5,233	201	488	370	858	39.8
153.00	Unincorporated El Dorado County (Remainder Area)	0	8,544	8,116	247	290	623	0	623	13.7
154.00	Unincorporated El Dorado County (Remainder Area)	0	6,939	7,106	192	254	597	0	597	11.6
155.00	Shingle Springs	0	5,211	5,657	133	154	406	0	406	12.8
156.00	Unincorporated El Dorado County (Remainder Area)	0	2,051	2,321	58	27	68	1	69	29.7
157.00	El Dorado Hills	0	8,685	10,973	167	273	790	0	790	11.0
158.00	Cameron Park	0	17,428	18,695	504	624	1,431	11	1,442	12.1
159.00	Cameron Park	0	15,378	14,620	1,447	446	1,082	114	1,196	12.9
160.00	Shingle Springs	0	18,395	16,658	1,165	504	1,223	70	1,293	14.2
161.00	El Dorado Hills	0	11,326	14,248	206	290	754	0	754	15.0
162.00	El Dorado Hills	0	57,519	77,878	882	1,503	4,465	0	4,465	12.9
163.00	El Dorado Hills	0	37,423	7,667	5,047	165	490	438	928	40.3
164.00	El Dorado Hills	0	61,159	0	32,342	0	0	3,124	3,124	19.6
165.00	El Dorado Hills	0	17,403	20,649	424	551	1,369	0	1,369	12.7
166.00	Outside of County	0	28,754	30,588	1,012	766	1,965	50	2,015	14.3
167.00	El Dorado Hills	0	47,867	46,424	2,355	1,520	3,531	111	3,641	13.1
168.00	El Dorado Hills	0	26,977	29,689	1,081	1,133	2,632	35	2,667	10.1
169.00	El Dorado Hills	0	118,663	5,621	25,656	208	517	2,484	3,001	39.5
170.00	El Dorado Hills	0	46,865	725	23,651	26	65	2,562	2,627	17.8
171.00	El Dorado Hills	0	16,366	16,336	1,063	441	1,081	68	1,148	14.3
172.00	El Dorado Hills	0	9,439	0	1,692	0	0	158	158	59.7
173.00	El Dorado Hills	0	46,460	0	11,132	0	0	1,140	1,140	40.8
174.00	Unincorporated El Dorado County (Remainder Area)	0	3,865	1,489	1,080	15	38	54	92	42.1
175.00	Unincorporated El Dorado County (Remainder Area)	0	2,613	631	485	10	24	22	46	57.1
176.00	Unincorporated El Dorado County (Remainder Area)	0	3,217	3,643	70	58	137	0	137	23.4
177.00	Unincorporated El Dorado County (Remainder Area)	0	11,104	8,590	1,813	147	370	130	500	22.2
178.00	Unincorporated El Dorado County (Remainder Area)	0	4,894	5,630	138	87	223	3	226	21.7
179.00	Unincorporated El Dorado County (Remainder Area)	0	734	932	12	21	55	0	55	13.4
180.00	El Dorado Hills	0	18,114	22,365	347	450	1,155	0	1,155	15.7
181.00	El Dorado Hills	0	6,956	5,408	682	120	315	61	376	18.5
182.00	Cameron Park	0	39,234	47,858	760	1,244	3,262	0	3,262	12.0
183.00	Unincorporated El Dorado County (Remainder Area)	0	11,025	12,072	267	354	832	0	832	13.2
184.00	Cameron Park	0	38,920	16,201	4,455	417	1,093	425	1,518	25.6
185.00	Cameron Park	0	3,909	4,405	86	152	349	0	349	11.2
186.00	Cameron Park	0	50,636	4,640	8,839	170	390	896	1,286	39.4
187.00	Cameron Park	0	10,751	7,216	1,207	247	566	104	670	16.0
188.00	Cameron Park	0	6,619	5,670	595	213	489	49	538	12.3
189.00	Unincorporated El Dorado County (Remainder Area)	0	2,464	3,160	40	36	100	0	100	24.5
190.00	Unincorporated El Dorado County (Remainder Area)	0	10,445	13,381	183	255	712	0	712	14.7
191.00	El Dorado Hills	0	1,441	1,836	24	39	109	0	109	13.2
192.00	El Dorado Hills	0	869	1,096	14	25	69	0	69	12.6
193.00	El Dorado Hills	0	14,295	5,252	3,675	156	406	361	768	18.6
194.00	El Dorado Hills	0	15,062	19,523	268	439	1,297	0	1,297	11.6
195.00	El Dorado Hills	0	9,033	472	2,018	10	26	176	203	44.6
196.00	Outside of County	0	52,466	59,943	1,731	1,148	3,198	97	3,295	15.9
197.00	El Dorado Hills	0	3,191	3,931	56	85	225	0	225	14.2
198.00	El Dorado Hills	0	69,118	39,332	6,102	887	2,476	623	3,099	22.3
199.00	El Dorado Hills	0	11,347	2,891	1,628	62	173	143	316	35.9
200.00	El Dorado Hills	0	6,400	306	1,229	7	19	121	140	45.9
201.00	El Dorado Hills	0	20,677	6,811	2,775	150	443	269	712	29.0
202.00	El Dorado Hills	0	37,568	35,561	2,126	762	2,127	169	2,296	16.4
203.00	El Dorado Hills	0	51,782	65,867	1,158	1,300	3,762	43	3,805	13.6
204.00	El Dorado Hills	0	17,187	16,211	637	362	1,048	48	1,096	15.7
205.00	El Dorado Hills	0	504	0	244	0	0	30	30	16.8
206.00	El Dorado Hills	0	1,626	2,081	28	51	148	0	148	11.0
207.00	El Dorado Hills	0	12,971	16,627	221	304	880	0	880	14.7
208.00	Unincorporated El Dorado County (Remainder Area)	0	326	427	5	9	26	0	26	12.5
209.00	El Dorado Hills	0	11,573	4,472	1,419	88	254	118	372	31.1
210.00	El Dorado Hills	0	6,349	8,159	109	162	479	0	479	13.3
211.00	Unincorporated El Dorado County (Remainder Area)	0	135	179	2	4	11	0	11	11.9
212.00	El Dorado Hills	0	2,404	3,118	39	53	153	0	153	15.7
213.00	Unincorporated El Dorado County (Remainder Area)	0	9,215	11,867	154	193	534	0	534	17.3
214.00	Unincorporated El Dorado County (Remainder Area)	0	2,329	3,356	31	31	76	0	76	30.8
215.00	El Dorado Hills	0	6,816	8,669	122	148	413	0	413	16.5
216.00	Unincorporated El Dorado County (Remainder Area)	0	1,750	2,463	26	23	56	0	56	31.2
217.00	Unincorporated El Dorado County (Remainder Area)	0	588	763	9	11	31	0	31	19.2
218.00	Unincorporated El Dorado County (Remainder Area)	0	1,515	1,902	26	28	78	0	78	19.4
219.00	Unincorporated El Dorado County (Remainder Area)	0	3,914	4,983	68	69	191	0	191	20.5
220.00	Unincorporated El Dorado County (Remainder Area)	0	472	636	6	9	25	0	25	19.0
221.00	El Dorado Hills	0	37,385	48,707	577	999	2,596	0	2,596	14.4
222.00	Cameron Park	0	2,165	1,466	425	34	90	58	148	14.6

VMT Summary by Jurisdiction - 2040 Baseline Scenario (Plus Project)

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223.00	Cameron Park	0	5,514	7,096	78	174	461	0	461	11.9
224.00	Unincorporated El Dorado County (Remainder Area)	0	8,607	7,370	500	144	382	37	419	20.6
225.00	Unincorporated El Dorado County (Remainder Area)	0	23,273	10,941	2,968	147	424	277	702	33.2
226.00	Cameron Park	0	27,556	27,033	1,250	550	1,591	118	1,709	16.1
227.00	Cameron Park	0	8,671	11,026	207	281	689	10	699	12.4
228.00	Cameron Park	0	20,502	25,043	507	724	1,775	25	1,800	11.4
229.00	El Dorado Hills	0	41,421	34,557	2,351	793	2,061	237	2,298	18.0
230.00	El Dorado Hills	0	22,820	27,828	337	557	1,655	0	1,655	13.8
231.00	Unincorporated El Dorado County (Remainder Area)	0	4,982	6,667	72	134	388	0	388	12.8
232.00	Unincorporated El Dorado County (Remainder Area)	0	4,570	5,907	73	87	241	0	241	19.0
233.00	Cameron Park	0	8,474	3,676	746	116	266	100	366	23.1
234.00	Cameron Park	0	55,560	33,600	5,084	1,085	2,488	670	3,158	17.6
235.00	Cameron Park	0	42,398	54,616	639	1,322	3,580	2	3,582	11.8
236.00	Cameron Park	0	14,753	19,353	261	473	1,281	9	1,290	11.4
237.00	Cameron Park	0	2,255	2,632	45	78	179	0	179	12.6
238.00	Cameron Park	0	39,544	15,145	5,303	415	1,018	527	1,545	25.6
239.00	Cameron Park	0	2,345	3,354	35	86	228	0	228	10.3
240.00	Unincorporated El Dorado County (Remainder Area)	0	6,584	8,328	109	137	363	0	363	18.1
241.00	Cameron Park	0	14,967	7,555	1,275	181	480	151	631	23.7
242.00	Cameron Park	0	699	905	9	24	64	0	64	11.0
243.00	Cameron Park	0	2,021	2,591	32	61	162	1	163	12.4
244.00	Unincorporated El Dorado County (Remainder Area)	0	3,015	3,724	57	51	128	0	128	23.6
245.00	Unincorporated El Dorado County (Remainder Area)	0	774	1,004	11	10	30	0	30	25.8
246.00	Unincorporated El Dorado County (Remainder Area)	0	3,950	5,236	56	63	189	0	189	20.9
247.00	Unincorporated El Dorado County (Remainder Area)	0	13,632	14,341	353	296	636	0	636	21.4
248.00	Unincorporated El Dorado County (Remainder Area)	0	13,296	10,414	943	182	431	39	470	28.3
249.00	Unincorporated El Dorado County (Remainder Area)	0	3,357	1,859	530	26	56	25	81	41.5
250.00	Unincorporated El Dorado County (Remainder Area)	0	2,875	3,290	60	53	124	0	124	23.2
251.00	Unincorporated El Dorado County (Remainder Area)	0	5,631	6,225	136	139	363	0	363	15.5
252.00	Unincorporated El Dorado County (Remainder Area)	0	24,766	28,783	575	666	1,756	0	1,756	14.1
253.00	Unincorporated El Dorado County (Remainder Area)	0	7,512	8,887	159	149	410	0	410	18.3
254.00	Unincorporated El Dorado County (Remainder Area)	0	5,278	5,917	122	119	311	0	311	17.0
255.00	Cameron Park	0	64,581	0	14,828	0	0	1,405	1,405	46.0
256.00	Cameron Park	0	44,319	2,009	10,458	72	175	872	1,047	42.3
257.00	Shingle Springs	0	62,066	15,403	14,566	511	1,335	1,312	2,647	23.4
258.00	Unincorporated El Dorado County (Remainder Area)	0	2,127	2,532	40	36	99	0	99	21.5
259.00	Unincorporated El Dorado County (Remainder Area)	0	2,611	3,111	52	50	132	0	132	19.8
260.00	Shingle Springs	0	26,989	141	5,659	5	15	441	456	59.2
261.00	Shingle Springs	0	27,063	3,588	4,852	121	333	388	721	37.5
262.00	Shingle Springs	0	40,541	5,488	6,531	203	530	514	1,044	38.8
263.00	Shingle Springs	0	10,031	3,827	1,482	121	333	119	452	22.2
264.00	Shingle Springs	0	7,875	3,098	1,053	97	267	82	349	22.6
265.00	Unincorporated El Dorado County (Remainder Area)	0	1,959	2,214	43	44	116	0	116	16.9
266.00	Unincorporated El Dorado County (Remainder Area)	0	6,122	1,662	668	41	88	33	121	50.5
267.00	Unincorporated El Dorado County (Remainder Area)	0	8,692	10,029	219	240	633	0	633	13.7
268.00	Unincorporated El Dorado County (Remainder Area)	0	3,023	3,095	171	72	190	10	200	15.1
269.00	Unincorporated El Dorado County (Remainder Area)	0	13,579	9,325	1,445	217	558	81	639	21.2
270.00	Unincorporated El Dorado County (Remainder Area)	0	6,212	2,665	680	54	135	39	174	35.7
271.00	Unincorporated El Dorado County (Remainder Area)	0	9,858	9,956	735	172	442	50	492	20.0
272.00	Unincorporated El Dorado County (Remainder Area)	0	9,793	6,497	805	145	407	55	462	21.2
273.00	Unincorporated El Dorado County (Remainder Area)	0	7,456	8,905	377	138	400	22	422	17.7
274.00	Unincorporated El Dorado County (Remainder Area)	0	21,577	18,929	1,564	411	1,153	122	1,275	16.9
275.00	Unincorporated El Dorado County (Remainder Area)	0	14,769	17,144	336	379	971	0	971	15.2
276.00	Cameron Park	0	28,074	18,827	2,069	535	1,312	179	1,491	18.8
277.00	Cameron Park	0	4,943	5,812	100	176	427	0	427	11.6
278.00	Unincorporated El Dorado County (Remainder Area)	0	5,759	5,998	217	100	265	10	275	20.9
279.00	Unincorporated El Dorado County (Remainder Area)	0	2,930	3,734	49	55	146	0	146	20.1
280.00	Unincorporated El Dorado County (Remainder Area)	0	1,439	1,680	31	37	103	0	103	14.0
281.00	Unincorporated El Dorado County (Remainder Area)	0	4,885	4,211	427	85	238	28	266	18.3
282.00	Unincorporated El Dorado County (Remainder Area)	0	1,390	1,619	30	39	109	0	109	12.7
283.00	Shingle Springs	0	15,332	3,056	2,223	0	0	197	197	77.8
284.00	Shingle Springs	0	4,286	1,010	656	36	87	53	140	30.5
285.00	Unincorporated El Dorado County (Remainder Area)	0	14,044	2,743	2,957	53	154	233	387	36.3
286.00	Unincorporated El Dorado County (Remainder Area)	0	1,664	2,076	30	36	101	0	101	16.5
287.00	Unincorporated El Dorado County (Remainder Area)	0	1,396	1,687	27	34	87	0	87	16.0
288.00	Unincorporated El Dorado County (Remainder Area)	0	2,178	2,693	40	50	140	0	140	15.5
289.00	Unincorporated El Dorado County (Remainder Area)	0	321	421	5	8	23	0	23	13.8
290.00	Unincorporated El Dorado County (Remainder Area)	0	2,049	2,619	35	44	128	0	128	16.0
291.00	Unincorporated El Dorado County (Remainder Area)	0	12,422	15,727	238	254	647	0	647	19.2
292.00	Unincorporated El Dorado County (Remainder Area)	0	4,266	5,707	64	72	209	0	209	20.4
293.00	Unincorporated El Dorado County (Remainder Area)	0	1,295	1,290	36	41	90	0	90	14.5
294.00	Unincorporated El Dorado County (Remainder Area)	0	4,476	4,689	122	129	321	0	321	14.0
295.00	Unincorporated El Dorado County (Remainder Area)	0	62,169	4,931	22,490	110	282	1,540	1,822	34.1
296.00	El Dorado Diamond Springs	0	52,033	6,616	9,724	188	496	729	1,225	42.5

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297.00	Unincorporated El Dorado County (Remainder Area)	0	2,262	2,671	62	79	208	0	208	10.9
298.00	Unincorporated El Dorado County (Remainder Area)	0	2,830	3,083	71	79	208	0	208	13.6
299.00	Unincorporated El Dorado County (Remainder Area)	0	4,995	5,716	112	114	293	0	293	17.0
300.00	Unincorporated El Dorado County (Remainder Area)	0	1,728	1,915	41	45	116	0	116	14.9
301.00	Unincorporated El Dorado County (Remainder Area)	0	624	549	41	20	44	3	47	13.4
302.00	Unincorporated El Dorado County (Remainder Area)	0	3,870	2,603	208	89	194	10	204	18.9
303.00	El Dorado Diamond Springs	0	4,185	2,676	443	106	228	28	255	16.4
304.00	El Dorado Diamond Springs	0	8,290	283	2,653	12	26	269	296	28.0
305.00	El Dorado Diamond Springs	0	10,710	0	4,975	1	2	536	539	19.9
306.00	El Dorado Diamond Springs	0	7,893	3,164	1,350	128	275	110	386	20.5
307.00	El Dorado Diamond Springs	0	2,950	2,813	92	112	257	0	257	11.5
308.00	El Dorado Diamond Springs	0	239	244	6	12	28	0	28	8.7
309.00	El Dorado Diamond Springs	0	808	719	26	34	74	0	74	10.9
310.00	El Dorado Diamond Springs	0	13,790	636	2,508	29	66	220	286	48.2
311.00	El Dorado Diamond Springs	0	3,547	1,724	439	75	164	33	197	18.0
312.00	El Dorado Diamond Springs	0	9,909	6,790	977	310	711	71	782	12.7
313.00	El Dorado Diamond Springs	0	23,568	3,419	7,031	71	178	534	712	33.1
314.00	El Dorado Diamond Springs	0	10,541	2,499	1,457	100	249	103	352	30.0
315.00	Outside of County	0	0	0	0	0	0	0	0	-
316.00	El Dorado Diamond Springs	0	674	641	22	31	68	0	68	10.0
317.00	El Dorado Diamond Springs	0	140	126	4	8	17	0	17	8.0
318.00	Unincorporated El Dorado County (Remainder Area)	0	8,110	4,730	734	182	452	41	493	16.4
319.00	El Dorado Diamond Springs	0	1,395	1,285	45	57	143	0	143	9.8
320.00	Unincorporated El Dorado County (Remainder Area)	0	4,896	1,587	811	19	48	61	109	44.8
321.00	Unincorporated El Dorado County (Remainder Area)	0	5,210	6,150	138	116	295	2	297	17.5
322.00	Unincorporated El Dorado County (Remainder Area)	0	10,674	10,578	571	242	623	26	649	16.5
323.00	Unincorporated El Dorado County (Remainder Area)	0	8,273	3,753	1,841	67	172	139	311	26.6
324.00	Unincorporated El Dorado County (Remainder Area)	0	7,031	3,626	698	73	183	39	222	31.7
325.00	Unincorporated El Dorado County (Remainder Area)	0	717	834	16	20	51	0	51	14.1
326.00	Unincorporated El Dorado County (Remainder Area)	0	2,082	2,465	49	57	145	0	145	14.3
327.00	Placerville	0	3,208	3,499	82	84	210	0	210	15.3
328.00	Unincorporated El Dorado County (Remainder Area)	0	696	792	16	19	48	0	48	14.6
329.00	Placerville	0	4,819	4,846	140	156	360	0	360	13.4
330.00	Unincorporated El Dorado County (Remainder Area)	0	3,483	3,698	94	109	273	0	273	12.8
331.00	Unincorporated El Dorado County (Remainder Area)	0	6,119	6,979	141	130	325	0	325	18.8
332.00	Unincorporated El Dorado County (Remainder Area)	0	1,431	1,525	38	47	105	0	105	13.6
333.00	Unincorporated El Dorado County (Remainder Area)	0	3,935	4,506	88	91	225	0	225	17.5
334.00	Unincorporated El Dorado County (Remainder Area)	0	1,641	1,000	257	26	58	18	76	21.5
335.00	Unincorporated El Dorado County (Remainder Area)	0	2,800	3,015	74	76	163	0	163	17.2
336.00	Unincorporated El Dorado County (Remainder Area)	0	1,045	1,116	26	30	66	0	66	15.8
337.00	Unincorporated El Dorado County (Remainder Area)	0	10,208	6,044	1,765	124	304	128	432	23.6
338.00	Unincorporated El Dorado County (Remainder Area)	0	13,826	15,703	399	350	900	11	911	15.2
339.00	Unincorporated El Dorado County (Remainder Area)	0	9,261	11,979	146	224	508	0	508	18.2
340.00	Unincorporated El Dorado County (Remainder Area)	0	8,016	5,257	511	95	202	30	232	34.5
341.00	Unincorporated El Dorado County (Remainder Area)	0	1,629	1,550	173	34	75	16	91	18.0
342.00	Unincorporated El Dorado County (Remainder Area)	0	2,374	2,734	50	48	123	0	123	19.2
343.00	Unincorporated El Dorado County (Remainder Area)	0	4,957	5,760	91	78	177	0	177	28.0
344.00	Unincorporated El Dorado County (Remainder Area)	0	5,858	6,940	107	92	208	0	208	28.1
345.00	Unincorporated El Dorado County (Remainder Area)	0	2,005	2,119	39	34	77	0	77	26.1
346.00	Unincorporated El Dorado County (Remainder Area)	0	1,266	1,245	28	23	51	0	51	24.7
347.00	Unincorporated El Dorado County (Remainder Area)	0	2,642	3,129	49	42	108	0	108	24.5
348.00	Unincorporated El Dorado County (Remainder Area)	0	2,505	2,466	59	48	107	0	107	23.5
349.00	Unincorporated El Dorado County (Remainder Area)	0	8,161	4,904	579	94	193	34	227	35.9
350.00	Unincorporated El Dorado County (Remainder Area)	0	986	1,143	17	20	45	0	45	21.8
351.00	Unincorporated El Dorado County (Remainder Area)	0	1,468	1,850	23	31	70	0	70	20.9
352.00	Unincorporated El Dorado County (Remainder Area)	0	2,101	2,695	31	38	86	0	86	24.4
353.00	Unincorporated El Dorado County (Remainder Area)	0	10,670	10,271	514	200	453	43	496	21.5
354.00	Unincorporated El Dorado County (Remainder Area)	0	7,033	4,702	457	68	154	43	197	35.7
355.00	Placerville	1	27,227	5,123	4,976	257	594	387	981	27.7
356.00	Placerville	1	2,711	2,550	91	109	235	0	235	11.6
357.00	Unincorporated El Dorado County (Remainder Area)	0	8,050	4,234	731	133	294	42	336	23.9
358.00	Placerville	0	10,307	3,356	1,636	128	283	123	406	25.4
359.00	Unincorporated El Dorado County (Remainder Area)	0	3,539	3,688	95	105	247	0	247	14.3
360.00	Unincorporated El Dorado County (Remainder Area)	0	4,181	4,553	98	97	228	0	228	18.3
361.00	Placerville	1	26,994	10,033	4,616	570	1,189	370	1,558	17.3
362.00	Placerville	1	46,754	3,845	7,996	194	457	616	1,073	43.6
363.00	Unincorporated El Dorado County (Remainder Area)	0	415	426	12	19	48	0	48	8.6
364.00	Placerville	0	4,532	3,707	416	173	439	28	466	9.7
365.00	El Dorado Diamond Springs	0	24,253	9,309	2,996	541	1,147	223	1,370	17.7
366.00	El Dorado Diamond Springs	0	10,599	1,557	1,645	108	232	146	378	28.0
367.00	El Dorado Diamond Springs	0	7,170	0	3,555	0	0	398	398	18.0
368.00	El Dorado Diamond Springs	0	4,908	1,332	825	68	157	81	238	20.6
369.00	El Dorado Diamond Springs	0	14,194	8,834	1,419	485	1,088	114	1,202	11.8
370.00	El Dorado Diamond Springs	0	6,934	79	2,914	0	0	317	317	21.9

VMT Summary by Jurisdiction - 2040 Baseline Scenario (Plus Project)

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
371.00	El Dorado Diamond Springs	0	2,149	2,072	61	69	155	0	155	13.9
372.00	El Dorado Diamond Springs	0	28,702	14,053	3,155	559	1,254	296	1,550	18.5
373.00	El Dorado Diamond Springs	0	557	493	18	27	62	0	62	9.0
374.00	El Dorado Diamond Springs	0	1,047	276	117	14	32	10	42	24.8
375.00	El Dorado Diamond Springs	0	361	329	11	15	34	0	34	10.5
376.00	El Dorado Diamond Springs	0	1,493	724	219	34	78	17	95	15.7
377.00	El Dorado Diamond Springs	0	724	318	171	14	32	16	48	15.0
378.00	El Dorado Diamond Springs	0	546	516	16	27	62	0	62	8.8
379.00	El Dorado Diamond Springs	0	940	871	29	48	111	0	111	8.5
380.00	El Dorado Diamond Springs	0	196	185	6	12	28	0	28	7.1
381.00	El Dorado Diamond Springs	0	115	111	3	7	16	0	16	7.2
382.00	El Dorado Diamond Springs	0	222	184	8	11	25	0	25	8.7
383.00	Unincorporated El Dorado County (Remainder Area)	0	2,356	2,387	65	80	179	0	179	13.1
384.00	El Dorado Diamond Springs	0	4,502	4,457	124	174	390	0	390	11.5
385.00	El Dorado Diamond Springs	0	14,262	13,856	542	600	1,346	14	1,360	10.5
386.00	El Dorado Diamond Springs	0	2,237	2,238	60	90	202	0	202	11.1
387.00	El Dorado Diamond Springs	0	3,284	742	472	36	81	44	124	26.4
388.00	El Dorado Diamond Springs	0	5,461	0	2,607	0	0	278	278	19.7
389.00	El Dorado Diamond Springs	0	5,907	18	2,150	2	5	240	245	24.2
390.00	El Dorado Diamond Springs	0	7,344	4,846	739	311	670	54	724	10.1
391.00	El Dorado Diamond Springs	0	6,037	144	973	11	24	92	116	52.1
392.00	El Dorado Diamond Springs	0	1,015	474	89	28	60	5	66	15.5
393.00	El Dorado Diamond Springs	0	25,666	4,747	3,803	281	645	288	932	27.5
394.00	El Dorado Diamond Springs	0	6,147	111	2,056	8	18	168	186	33.1
395.00	Placerville	1	80,006	1,454	29,685	98	206	2,613	2,819	28.4
396.00	El Dorado Diamond Springs	0	30,703	0	5,545	0	0	425	425	72.3
397.00	El Dorado Diamond Springs	0	1,454	902	121	50	109	7	116	12.5
398.00	El Dorado Diamond Springs	0	1,156	265	144	14	32	11	43	26.7
399.00	El Dorado Diamond Springs	0	959	833	33	43	99	0	99	9.7
400.00	El Dorado Diamond Springs	0	7,351	210	1,240	16	35	97	132	55.9
401.00	Placerville	0	26,917	940	4,587	57	121	337	458	58.8
402.00	El Dorado Diamond Springs	0	4,677	2,563	1,034	137	344	103	447	10.5
403.00	El Dorado Diamond Springs	0	31,616	2,599	12,712	124	267	906	1,174	26.9
404.00	El Dorado Diamond Springs	0	1,727	302	333	19	44	32	76	22.8
405.00	El Dorado Diamond Springs	0	1,672	147	251	9	21	21	41	40.3
406.00	El Dorado Diamond Springs	0	26,261	385	4,394	24	55	339	395	66.6
407.00	El Dorado Diamond Springs	0	16,223	552	3,223	39	84	285	369	44.0
408.00	El Dorado Diamond Springs	0	5,525	0	2,377	1	2	279	281	19.6
409.00	Placerville	0	37,973	3,509	8,050	162	410	610	1,019	37.2
410.00	El Dorado Diamond Springs	0	40,337	14,317	5,613	602	1,418	423	1,840	21.9
411.00	Placerville	1	55,409	5,265	11,450	335	793	982	1,775	31.2
412.00	Unincorporated El Dorado County (Remainder Area)	0	3,440	3,302	105	114	271	0	271	12.7
413.00	Placerville	0	4,917	4,584	170	199	472	1	473	10.4
414.00	El Dorado Diamond Springs	0	20,127	92	5,341	7	15	561	576	34.9
415.00	Unincorporated El Dorado County (Remainder Area)	0	436	319	42	18	38	4	42	10.3
416.00	El Dorado Diamond Springs	0	266	128	54	9	19	7	26	10.1
417.00	Placerville	1	22,907	909	4,812	55	124	424	548	41.8
418.00	Placerville	1	5,515	0	1,381	0	0	130	130	42.4
419.00	Placerville	1	6,905	0	1,212	0	0	112	112	61.7
420.00	Placerville	1	5,278	967	1,326	56	132	117	249	21.2
421.00	Placerville	1	2,551	1,461	408	81	191	28	219	11.7
422.00	Placerville	1	67,477	5,172	31,295	303	714	2,392	3,106	21.7
423.00	Unincorporated El Dorado County (Remainder Area)	0	448	390	26	21	49	1	50	9.0
424.00	Placerville	0	25,620	5,358	4,444	252	582	351	934	27.4
425.00	Placerville	0	67,117	28,803	8,095	1,390	3,090	730	3,820	17.6
426.00	Placerville	0	705	723	19	32	80	0	80	8.8
427.00	Unincorporated El Dorado County (Remainder Area)	0	3,811	4,029	101	102	255	0	255	15.0
428.00	Unincorporated El Dorado County (Remainder Area)	0	550	582	14	22	55	0	55	10.0
429.00	Unincorporated El Dorado County (Remainder Area)	0	1,193	1,392	36	35	87	0	87	13.8
430.00	Unincorporated El Dorado County (Remainder Area)	0	3,095	2,004	547	59	146	44	190	16.3
431.00	Placerville	1	13,606	510	2,251	28	59	167	226	60.2
432.00	Unincorporated El Dorado County (Remainder Area)	0	15,628	10,592	3,115	363	900	241	1,140	13.7
433.00	Placerville	1	16,926	9,995	2,277	678	1,398	175	1,572	10.8
434.00	Placerville	1	828	638	31	44	95	0	95	8.7
435.00	Placerville	1	1,291	669	233	47	100	27	127	10.2
436.00	Unincorporated El Dorado County (Remainder Area)	0	1,145	1,169	49	32	79	2	81	14.2
437.00	Unincorporated El Dorado County (Remainder Area)	0	5,356	5,906	132	147	371	0	371	14.5
438.00	Unincorporated El Dorado County (Remainder Area)	0	5,838	4,259	508	143	303	32	335	17.4
439.00	Unincorporated El Dorado County (Remainder Area)	0	9,617	4,646	1,532	169	359	90	449	21.4
440.00	Unincorporated El Dorado County (Remainder Area)	0	5,947	863	1,576	31	66	111	177	33.6
441.00	Placerville	1	398	392	11	15	35	0	35	11.4
442.00	Placerville	1	13,550	9,849	971	350	882	56	939	14.4
443.00	Unincorporated El Dorado County (Remainder Area)	0	1,945	1,879	56	59	125	0	125	15.5
444.00	Unincorporated El Dorado County (Remainder Area)	0	273	179	17	8	19	1	20	13.7

VMT Summary by Jurisdiction - 2040 Baseline Scenario (Plus Project)

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445.00	Placerville	0	838	787	56	26	65	3	68	12.3
446.00	Placerville	1	4,241	761	697	28	65	53	119	35.8
447.00	Unincorporated El Dorado County (Remainder Area)	0	8,307	3,153	1,572	81	199	116	314	26.4
448.00	Placerville	0	1,803	2,029	52	64	161	0	161	11.2
449.00	Unincorporated El Dorado County (Remainder Area)	0	465	475	12	14	30	0	30	15.5
450.00	Unincorporated El Dorado County (Remainder Area)	0	2,337	2,198	76	84	180	0	180	13.0
451.00	Unincorporated El Dorado County (Remainder Area)	0	895	867	26	27	58	0	58	15.4
452.00	Placerville	0	6,887	3,649	924	150	321	66	387	17.8
453.00	Placerville	1	3,296	3,164	140	182	391	0	391	8.4
454.00	Unincorporated El Dorado County (Remainder Area)	0	543	476	19	28	59	0	59	9.2
455.00	Unincorporated El Dorado County (Remainder Area)	0	2,530	2,656	68	73	181	0	181	14.0
456.00	Unincorporated El Dorado County (Remainder Area)	0	1,775	1,768	51	51	109	0	109	16.2
457.00	Unincorporated El Dorado County (Remainder Area)	0	3,117	3,001	250	68	153	13	166	18.8
458.00	Placerville	0	11,378	1,918	1,829	71	157	130	287	39.7
459.00	Placerville	0	726	700	21	28	62	0	62	11.7
460.00	Unincorporated El Dorado County (Remainder Area)	0	823	791	23	22	47	0	47	17.4
461.00	Unincorporated El Dorado County (Remainder Area)	0	113	128	2	6	13	0	13	8.6
462.00	Unincorporated El Dorado County (Remainder Area)	0	2,605	1,236	403	31	67	24	91	28.8
463.00	Unincorporated El Dorado County (Remainder Area)	0	3,719	5,316	47	89	195	0	195	19.0
464.00	Unincorporated El Dorado County (Remainder Area)	0	2,786	3,402	47	55	129	0	129	21.7
465.00	Unincorporated El Dorado County (Remainder Area)	0	3,720	5,374	33	65	163	0	163	22.8
466.00	Unincorporated El Dorado County (Remainder Area)	0	3,073	3,392	113	65	143	7	150	20.5
467.00	Unincorporated El Dorado County (Remainder Area)	0	2,484	3,488	29	49	107	0	107	23.1
468.00	Unincorporated El Dorado County (Remainder Area)	0	5,804	6,896	96	128	263	0	263	22.0
469.00	Unincorporated El Dorado County (Remainder Area)	0	3,780	5,152	42	70	156	0	156	24.2
470.00	Unincorporated El Dorado County (Remainder Area)	0	1,663	2,145	23	33	72	0	72	23.0
471.00	Unincorporated El Dorado County (Remainder Area)	0	1,206	1,590	17	26	57	0	57	21.1
472.00	Unincorporated El Dorado County (Remainder Area)	0	1,204	1,625	17	26	57	0	57	21.1
473.00	Unincorporated El Dorado County (Remainder Area)	0	1,175	673	222	13	33	25	58	20.4
474.00	Unincorporated El Dorado County (Remainder Area)	0	1,756	2,033	35	42	95	0	95	18.5
475.00	Unincorporated El Dorado County (Remainder Area)	0	1,834	2,187	33	42	95	0	95	19.3
476.00	Unincorporated El Dorado County (Remainder Area)	0	4,012	898	525	16	41	34	75	53.4
477.00	Unincorporated El Dorado County (Remainder Area)	0	1,567	2,171	20	31	78	0	78	20.1
478.00	Unincorporated El Dorado County (Remainder Area)	0	1,223	1,431	24	30	66	0	66	18.4
479.00	Unincorporated El Dorado County (Remainder Area)	0	5,056	3,286	421	62	156	29	185	27.4
480.00	Unincorporated El Dorado County (Remainder Area)	0	1,690	2,434	28	31	68	1	69	24.5
481.00	Unincorporated El Dorado County (Remainder Area)	0	1,353	1,924	18	24	53	0	53	25.5
482.00	Unincorporated El Dorado County (Remainder Area)	0	6,433	8,472	87	102	226	0	226	28.5
483.00	Unincorporated El Dorado County (Remainder Area)	0	9,543	4,679	1,035	132	285	76	361	26.4
484.00	Unincorporated El Dorado County (Remainder Area)	0	8,634	4,805	1,175	104	267	118	384	22.5
485.00	Unincorporated El Dorado County (Remainder Area)	0	2,229	3,001	30	40	103	0	103	21.7
486.00	Unincorporated El Dorado County (Remainder Area)	0	5,278	7,051	75	110	249	0	249	21.2
487.00	Unincorporated El Dorado County (Remainder Area)	0	18,724	8,232	3,058	228	504	184	688	27.2
488.00	Unincorporated El Dorado County (Remainder Area)	0	5,723	7,262	104	125	283	0	283	20.3
489.00	Unincorporated El Dorado County (Remainder Area)	0	7,394	6,607	407	157	355	24	379	19.5
490.00	Unincorporated El Dorado County (Remainder Area)	0	1,513	1,801	31	35	86	0	86	17.6
491.00	Unincorporated El Dorado County (Remainder Area)	0	7,398	8,767	161	181	444	0	444	16.7
492.00	Unincorporated El Dorado County (Remainder Area)	0	8,821	3,433	1,042	76	188	72	259	34.0
493.00	Unincorporated El Dorado County (Remainder Area)	0	9,831	3,608	1,467	79	195	101	296	33.2
494.00	Unincorporated El Dorado County (Remainder Area)	0	6,337	2,991	760	71	174	55	229	27.7
495.00	Unincorporated El Dorado County (Remainder Area)	0	641	747	14	17	42	0	42	15.4
496.00	Unincorporated El Dorado County (Remainder Area)	0	7,205	4,201	712	94	232	52	284	25.3
497.00	Unincorporated El Dorado County (Remainder Area)	0	9,450	4,965	1,008	109	263	75	338	28.0
498.00	Unincorporated El Dorado County (Remainder Area)	0	3,587	4,024	176	78	176	13	189	19.0
499.00	Unincorporated El Dorado County (Remainder Area)	0	1,506	1,831	30	38	93	0	93	16.2
500.00	Unincorporated El Dorado County (Remainder Area)	0	5,304	1,099	1,169	11	24	97	121	43.7
501.00	Unincorporated El Dorado County (Remainder Area)	0	2,233	814	555	22	49	58	107	20.8
502.00	Unincorporated El Dorado County (Remainder Area)	0	7,245	8,905	140	147	349	0	349	20.7
503.00	Unincorporated El Dorado County (Remainder Area)	0	5,083	10	846	1	2	56	58	87.3
504.00	Unincorporated El Dorado County (Remainder Area)	0	13,676	5,053	1,635	140	313	103	416	32.9
505.00	Unincorporated El Dorado County (Remainder Area)	0	80	95	1	3	7	0	7	12.0
506.00	Unincorporated El Dorado County (Remainder Area)	0	994	1,017	35	28	64	1	65	15.4
507.00	Unincorporated El Dorado County (Remainder Area)	0	2,128	2,494	48	61	145	0	145	14.7
508.00	Unincorporated El Dorado County (Remainder Area)	0	4,878	2,861	1,165	85	184	114	298	16.4
509.00	Unincorporated El Dorado County (Remainder Area)	0	2,069	406	654	12	27	77	104	19.9
510.00	Unincorporated El Dorado County (Remainder Area)	0	3,520	2,924	224	92	200	15	215	16.3
511.00	Unincorporated El Dorado County (Remainder Area)	0	1,994	1,570	132	46	109	9	118	16.9
512.00	Unincorporated El Dorado County (Remainder Area)	0	1,908	2,170	43	45	107	0	107	17.8
513.00	Unincorporated El Dorado County (Remainder Area)	0	8,002	10,297	171	178	456	7	463	17.3
514.00	Unincorporated El Dorado County (Remainder Area)	0	31,392	42,999	376	714	1,830	0	1,830	17.1
515.00	Unincorporated El Dorado County (Remainder Area)	0	3,159	4,052	54	78	188	0	188	16.8
516.00	Unincorporated El Dorado County (Remainder Area)	0	7,390	9,971	102	162	391	0	391	18.9
517.00	Unincorporated El Dorado County (Remainder Area)	0	23,456	18,917	1,730	489	1,085	139	1,224	19.2
518.00	Unincorporated El Dorado County (Remainder Area)	0	13,119	12,319	803	325	745	53	799	16.4

VMT Summary by Jurisdiction - 2040 Baseline Scenario (Plus Project)

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
519.00	Unincorporated El Dorado County (Remainder Area)	0	7,736	6,189	748	162	371	60	432	17.9
520.00	Unincorporated El Dorado County (Remainder Area)	0	13,952	12,112	1,173	296	678	99	778	17.9
521.00	Unincorporated El Dorado County (Remainder Area)	0	15,912	9,239	1,670	309	686	167	853	18.6
522.00	Unincorporated El Dorado County (Remainder Area)	0	4,827	5,831	167	96	236	9	245	19.7
523.00	Unincorporated El Dorado County (Remainder Area)	0	24,587	10,021	3,134	302	698	272	970	25.4
524.00	Unincorporated El Dorado County (Remainder Area)	0	19,237	8,821	2,541	214	495	207	702	27.4
525.00	Unincorporated El Dorado County (Remainder Area)	0	4,564	5,780	60	97	233	0	233	19.6
526.00	Unincorporated El Dorado County (Remainder Area)	0	3,209	4,036	56	55	142	0	142	22.6
527.00	Unincorporated El Dorado County (Remainder Area)	0	8,801	6,946	842	186	447	71	517	17.0
528.00	Unincorporated El Dorado County (Remainder Area)	0	51,684	63,926	892	1,061	2,556	51	2,607	19.8
529.00	Unincorporated El Dorado County (Remainder Area)	0	1,260	1,222	125	19	46	8	54	23.2
530.00	Unincorporated El Dorado County (Remainder Area)	0	13,312	17,615	224	226	551	0	551	24.2
531.00	Unincorporated El Dorado County (Remainder Area)	0	3,817	5,012	62	59	144	0	144	26.6
532.00	Unincorporated El Dorado County (Remainder Area)	0	3,642	4,573	65	64	156	0	156	23.4
533.00	Unincorporated El Dorado County (Remainder Area)	0	11,669	9,346	989	151	367	53	420	27.8
534.00	Unincorporated El Dorado County (Remainder Area)	0	4,282	5,435	72	69	168	0	168	25.5
535.00	Unincorporated El Dorado County (Remainder Area)	0	5,369	6,742	85	95	245	0	245	21.9
536.00	Unincorporated El Dorado County (Remainder Area)	0	5,498	6,972	83	106	273	0	273	20.1
537.00	Unincorporated El Dorado County (Remainder Area)	0	10,960	14,374	139	208	536	0	536	20.4
538.00	Unincorporated El Dorado County (Remainder Area)	0	15,615	7,377	1,847	159	382	137	519	30.1
539.00	Unincorporated El Dorado County (Remainder Area)	0	13,585	1,934	1,914	11	27	142	169	80.4
540.00	Unincorporated El Dorado County (Remainder Area)	0	9,648	0	1,696	0	0	132	132	72.9
541.00	Unincorporated El Dorado County (Remainder Area)	0	2,571	839	301	18	43	24	67	38.2
542.00	Unincorporated El Dorado County (Remainder Area)	0	6,157	2,197	967	55	130	76	206	29.9
543.00	Unincorporated El Dorado County (Remainder Area)	0	32,359	1,671	6,372	50	118	368	486	66.5
544.00	Unincorporated El Dorado County (Remainder Area)	0	2,506	2,669	63	58	137	0	137	18.2
545.00	Unincorporated El Dorado County (Remainder Area)	0	1,419	1,757	20	27	64	0	64	22.2
546.00	Unincorporated El Dorado County (Remainder Area)	0	7,989	10,038	116	131	310	0	310	25.7
547.00	Unincorporated El Dorado County (Remainder Area)	0	4,932	534	762	13	31	64	95	52.0
548.00	Unincorporated El Dorado County (Remainder Area)	0	15,318	17,521	599	405	960	27	987	15.5
549.00	Unincorporated El Dorado County (Remainder Area)	0	2,384	2,755	64	54	128	1	129	18.5
550.00	Unincorporated El Dorado County (Remainder Area)	0	6,360	1,694	998	40	100	62	162	39.2
551.00	Unincorporated El Dorado County (Remainder Area)	0	8,983	1,809	1,360	46	115	87	202	44.5
552.00	Unincorporated El Dorado County (Remainder Area)	0	1,060	454	107	11	26	6	32	33.1
553.00	Unincorporated El Dorado County (Remainder Area)	0	1,475	1,736	33	35	83	0	83	17.8
554.00	Unincorporated El Dorado County (Remainder Area)	0	6,770	7,917	189	185	438	5	443	15.3
555.00	Unincorporated El Dorado County (Remainder Area)	0	1,556	1,755	31	39	92	0	92	16.9
556.00	Unincorporated El Dorado County (Remainder Area)	0	4,496	5,453	81	89	211	0	211	21.3
557.00	Unincorporated El Dorado County (Remainder Area)	0	1,811	1,547	215	34	81	20	101	18.0
558.00	Unincorporated El Dorado County (Remainder Area)	0	2,006	2,504	27	40	96	0	96	20.9
559.00	Unincorporated El Dorado County (Remainder Area)	0	1,257	1,458	22	28	67	0	67	18.7
560.00	Unincorporated El Dorado County (Remainder Area)	0	5,902	1,194	1,753	28	66	172	238	24.8
561.00	Unincorporated El Dorado County (Remainder Area)	0	899	1,021	19	23	54	0	54	16.6
562.00	Unincorporated El Dorado County (Remainder Area)	0	3,763	4,662	55	73	175	0	175	21.5
563.00	Unincorporated El Dorado County (Remainder Area)	0	2,092	2,696	24	40	90	0	90	23.2
564.00	Unincorporated El Dorado County (Remainder Area)	0	1,035	1,210	24	27	62	0	62	16.6
565.00	Unincorporated El Dorado County (Remainder Area)	0	2,168	2,318	52	69	143	0	143	15.2
566.00	Unincorporated El Dorado County (Remainder Area)	0	3,922	3,970	141	112	264	5	269	14.6
567.00	Unincorporated El Dorado County (Remainder Area)	0	3,070	691	582	29	60	50	110	27.9
568.00	Unincorporated El Dorado County (Remainder Area)	0	2,933	751	553	26	61	47	108	27.1
569.00	Unincorporated El Dorado County (Remainder Area)	0	7,008	1,986	1,086	72	169	96	265	26.4
570.00	Unincorporated El Dorado County (Remainder Area)	0	8,657	1,177	1,860	53	109	169	278	31.2
571.00	Unincorporated El Dorado County (Remainder Area)	0	1,096	1,125	28	38	79	0	79	13.9
572.00	Unincorporated El Dorado County (Remainder Area)	0	4,745	1,227	967	39	90	89	178	26.6
573.00	Unincorporated El Dorado County (Remainder Area)	0	7,933	9,683	126	126	284	0	284	27.9
574.00	Unincorporated El Dorado County (Remainder Area)	0	4,391	5,577	54	88	204	1	205	21.5
575.00	Unincorporated El Dorado County (Remainder Area)	0	2,794	4,023	21	37	86	0	86	32.6
576.00	Unincorporated El Dorado County (Remainder Area)	0	2,742	853	323	19	43	33	76	36.2
577.00	Unincorporated El Dorado County (Remainder Area)	0	526	633	8	14	32	0	32	16.7
578.00	Unincorporated El Dorado County (Remainder Area)	0	25,016	38,138	125	451	1,016	0	1,016	24.6
579.00	Unincorporated El Dorado County (Remainder Area)	0	2,777	4,013	21	41	96	0	96	28.9
580.00	Unincorporated El Dorado County (Remainder Area)	0	2,449	3,319	26	42	98	0	98	24.9
581.00	Unincorporated El Dorado County (Remainder Area)	0	4,764	6,993	39	66	146	0	146	32.6
582.00	Unincorporated El Dorado County (Remainder Area)	0	13,146	990	1,613	15	37	65	102	129.0
583.00	Unincorporated El Dorado County (Remainder Area)	0	30,897	46,472	292	446	987	15	1,002	30.8
584.00	Unincorporated El Dorado County (Remainder Area)	0	2,106	2,049	107	22	47	6	53	39.8
585.00	Unincorporated El Dorado County (Remainder Area)	0	9,914	14,052	94	148	327	0	327	30.3
586.00	Unincorporated El Dorado County (Remainder Area)	0	3,738	2,857	259	56	105	10	115	32.5
587.00	Unincorporated El Dorado County (Remainder Area)	0	1,952	2,746	23	48	116	0	116	16.9
588.00	Unincorporated El Dorado County (Remainder Area)	0	15,923	22,594	146	348	892	0	892	17.8
589.00	Unincorporated El Dorado County (Remainder Area)	0	239	289	6	8	16	0	16	14.9
590.00	Unincorporated El Dorado County (Remainder Area)	0	817	1,030	14	23	55	0	55	14.9
591.00	Unincorporated El Dorado County (Remainder Area)	0	67	86	1	3	7	0	7	9.3
592.00	Unincorporated El Dorado County (Remainder Area)	0	14,391	9,362	1,287	361	801	146	947	15.2

VMT Summary by Jurisdiction - 2040 Baseline Scenario (Plus Project)

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
593.00	Unincorporated El Dorado County (Remainder Area)	0	6,839	5,862	531	155	370	56	426	16.1
594.00	Unincorporated El Dorado County (Remainder Area)	0	11,265	14,994	164	316	754	0	754	14.9
595.00	Unincorporated El Dorado County (Remainder Area)	0	4,040	2,668	252	46	104	27	131	30.9
596.00	Unincorporated El Dorado County (Remainder Area)	0	5,258	3,053	495	59	151	48	199	26.4
597.00	Unincorporated El Dorado County (Remainder Area)	0	12,316	3,059	1,761	122	271	214	485	25.4
598.00	Unincorporated El Dorado County (Remainder Area)	0	8,777	385	1,448	15	33	166	200	44.0
599.00	Unincorporated El Dorado County (Remainder Area)	0	621	762	12	18	40	0	40	15.6
600.00	Unincorporated El Dorado County (Remainder Area)	0	11,401	8,154	1,049	217	481	94	575	19.8
601.00	Unincorporated El Dorado County (Remainder Area)	0	1,334	1,854	5	11	24	0	24	54.9
602.00	Unincorporated El Dorado County (Remainder Area)	0	1,856	115	236	3	6	9	15	126.9
603.00	Unincorporated El Dorado County (Remainder Area)	0	3,580	468	926	12	23	32	55	65.7
604.00	Unincorporated El Dorado County (Remainder Area)	0	3,268	632	451	17	31	13	44	74.6
605.00	Unincorporated El Dorado County (Remainder Area)	0	2,841	914	810	21	46	29	75	38.1
606.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
607.00	Unincorporated El Dorado County (Remainder Area)	0	3,217	4,494	12	19	47	0	47	68.8
608.00	Unincorporated El Dorado County (Remainder Area)	0	30	41	0	1	2	0	2	13.8
609.00	Unincorporated El Dorado County (Remainder Area)	0	9,772	1,524	1,533	37	80	61	141	69.1
610.00	El Dorado Hills	0	60,637	139	28,053	0	0	2,725	2,725	22.3
611.00	El Dorado Hills	0	59,213	34,906	8,769	1,023	2,614	672	3,286	18.0
612.00	El Dorado Hills	0	128,385	1,045	62,131	0	0	5,778	5,778	22.2
613.00	Unincorporated El Dorado County (Remainder Area)	0	119	103	18	4	10	3	13	9.3
614.00	El Dorado Hills	0	6,301	7,459	137	211	550	0	550	11.5
615.00	El Dorado Hills	0	10,556	8,809	724	211	550	60	609	17.3
616.00	El Dorado Hills	0	1,573	1,869	33	53	138	0	138	11.4
617.00	El Dorado Hills	0	13,958	9,754	901	187	553	89	642	21.8
618.00	El Dorado Hills	0	4,688	0	2,122	0	0	265	265	17.7
619.00	El Dorado Hills	0	3,484	0	566	0	0	60	60	58.1
620.00	El Dorado Hills	0	17,460	3,712	1,582	0	0	178	178	98.1
621.00	El Dorado Hills	0	12,576	16,371	218	326	963	0	963	13.1
622.00	El Dorado Hills	0	19,322	18,093	1,113	370	1,094	90	1,184	16.3
623.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
624.00	El Dorado Hills	0	15,312	14,575	680	309	918	54	972	15.8
625.00	El Dorado Hills	0	182	0	105	0	0	12	12	15.1
626.00	Unincorporated El Dorado County (Remainder Area)	0	41,731	4,902	6,418	164	386	554	939	44.4
627.00	Unincorporated El Dorado County (Remainder Area)	0	59,142	0	10,974	0	0	966	966	61.2
628.00	Unincorporated El Dorado County (Remainder Area)	0	19,765	23,520	457	515	1,322	0	1,322	15.0
629.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
630.00	Unincorporated El Dorado County (Remainder Area)	0	39,227	50,585	697	800	2,358	0	2,358	16.6
631.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
632.00	Unincorporated El Dorado County (Remainder Area)	0	1,664	2,032	33	53	138	0	138	12.1
633.00	Unincorporated El Dorado County (Remainder Area)	0	7,048	8,466	150	211	550	0	550	12.8
634.00	Unincorporated El Dorado County (Remainder Area)	0	7,375	8,945	151	212	552	0	552	13.4
635.00	Unincorporated El Dorado County (Remainder Area)	0	3,616	4,382	72	106	276	0	276	13.1
636.00	Unincorporated El Dorado County (Remainder Area)	0	6,060	8,318	136	212	556	0	556	10.9
637.00	Unincorporated El Dorado County (Remainder Area)	0	9,473	11,595	188	265	695	0	695	13.6
638.00	Unincorporated El Dorado County (Remainder Area)	0	1,277	1,600	22	36	94	0	94	13.5
639.00	Unincorporated El Dorado County (Remainder Area)	0	2,740	3,353	52	72	189	0	189	14.5
640.00	Unincorporated El Dorado County (Remainder Area)	0	9,558	11,866	184	272	713	0	713	13.4
641.00	Unincorporated El Dorado County (Remainder Area)	0	2,766	3,416	52	72	189	0	189	14.7
642.00	Unincorporated El Dorado County (Remainder Area)	0	36,525	38,524	1,585	926	2,421	96	2,517	14.5
643.00	Unincorporated El Dorado County (Remainder Area)	0	9,293	11,524	181	257	672	0	672	13.8
644.00	Unincorporated El Dorado County (Remainder Area)	0	3,076	3,888	55	90	238	0	238	12.9
645.00	Unincorporated El Dorado County (Remainder Area)	0	21,236	25,047	917	495	1,311	56	1,367	15.5
646.00	Unincorporated El Dorado County (Remainder Area)	0	7,100	8,894	124	180	477	0	477	14.9
647.00	Unincorporated El Dorado County (Remainder Area)	0	1,501	1,887	26	45	119	0	119	12.6
648.00	Unincorporated El Dorado County (Remainder Area)	0	3,887	2,227	514	45	119	42	161	24.1
649.00	Unincorporated El Dorado County (Remainder Area)	0	4,697	2,836	29	45	119	0	119	39.4
650.00	Outside of County	0	2,928,287	1,493,331	489,868	0	0	0	0	-
651.00	Outside of County	0	29,907	17,045	4,085	0	0	0	0	-
652.00	Outside of County	0	0	0	0	0	0	0	0	-
653.00	Outside of County	0	418,414	187,926	51,371	0	0	0	0	-
654.00	Outside of County	0	41,843	9,389	2,406	0	0	0	0	-
655.00	Outside of County	0	353,418	120,271	34,129	0	0	0	0	-
656.00	Outside of County	0	56,468	18,682	7,136	0	0	0	0	-
657.00	Outside of County	0	196,562	9,084	3,599	0	0	0	0	-
658.00	Outside of County	0	0	0	0	0	0	0	0	-
659.00	Outside of County	0	5,738	3,011	930	0	0	0	0	-
660.00	Outside of County	0	181,602	101,785	33,691	0	0	0	0	-
661.00	Outside of County	0	148,757	79,042	24,492	0	0	0	0	-
662.00	Outside of County	0	711,531	374,528	121,500	0	0	0	0	-
663.00	Outside of County	0	735,021	259,682	80,621	0	0	0	0	-
664.00	Outside of County	0	452,250	247,235	66,278	0	0	0	0	-
665.00	Outside of County	0	221,339	97,422	35,931	0	0	0	0	-
666.00	Outside of County	0	102,365	56,610	17,250	0	0	0	0	-

VMT Summary by Jurisdiction - 2040 Baseline Scenario (Plus Project)

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
667.00	Outside of County	0	0	0	0	0	0	0	0	-
668.00	Outside of County	0	535,722	361,943	0	0	0	0	0	-
669.00	Outside of County	0	0	0	0	0	0	0	0	-
670.00	Outside of County	0	0	0	0	0	0	0	0	-
671.00	Outside of County	0	203,395	110,532	30,580	0	0	0	0	-
672.00	Outside of County	0	38,762	38,854	0	0	0	0	0	-
673.00	Outside of County	0	33,683	16,673	0	0	0	0	0	-
674.00	Outside of County	0	405,105	27,630	0	0	0	0	0	-

2018 Baseline Scenario (Plus Project With VMVSP)

VMT Summary by Jurisdiction - 2018 Baseline Scenario (Plus Project) With VMVSP

	VMT Estimates			VMT Efficiency Metrics			Population Details				
Jurisdiction	Total OD VMT	Home-based PA VMT	Home-based Work PA VMT	Total VMT per Service Population	Home-based VMT per Capita	Home-based Work VMT per Employee	Total Households	Total Population	Total Employment	Total Service Population	Persons Per Household
City of Placerville	299,540	67,793	90,845	21.1	10.3	11.9	2,914	6,581	7,639	14,220	2.26
Unincorporated El Dorado County	3,891,910	3,319,870	434,504	21.3	22.4	12.4	59,091	148,003	34,976	182,979	2.50
629	33,171	0	11,276	19.5		6.6	0	0	1,704	1,704	
630	171,479	237,078	1,520	14.4	19.9		4,036	11,894	0	11,894	2.95
631	10,012	0	1,327	68.6		9.1	0	0	146	146	
				Threshold	19.3	11.1					

VMT Summary by Jurisdiction - 2018 Baseline Scenario (Plus Project) With VMVSP

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
1.00	Unincorporated El Dorado County (Remainder Area)	0	4,170	2,565	333	46	75	16	91	46.0
2.00	Unincorporated El Dorado County (Remainder Area)	0	22,738	31,255	471	525	1,185	34	1,219	18.7
3.00	Unincorporated El Dorado County (Remainder Area)	0	2,963	3,766	43	34	88	0	88	33.8
4.00	Unincorporated El Dorado County (Remainder Area)	0	1,534	1,519	53	16	34	2	36	42.9
5.00	Unincorporated El Dorado County (Remainder Area)	0	2,858	4,021	28	33	73	0	73	39.4
6.00	Unincorporated El Dorado County (Remainder Area)	0	12,258	15,639	358	270	646	9	655	18.7
7.00	Unincorporated El Dorado County (Remainder Area)	0	25,633	33,006	1,006	516	1,119	71	1,190	21.5
8.00	Unincorporated El Dorado County (Remainder Area)	0	2,723	780	758	14	36	60	96	28.4
9.00	Unincorporated El Dorado County (Remainder Area)	0	28,406	33,056	1,717	482	1,240	117	1,357	20.9
10.00	Outside of County	0	0	0	0	0	0	0	0	-
11.00	Outside of County	0	0	0	0	0	0	0	0	-
12.00	Outside of County	0	39,974	31,514	1,879	663	1,741	96	1,837	21.8
13.00	Outside of County	0	31,312	36,157	695	775	1,995	0	1,995	15.7
14.00	Outside of County	0	64,792	72,490	1,608	1,502	4,068	32	4,100	15.8
15.00	Outside of County	0	499	530	10	10	23	0	23	22.2
16.00	Outside of County	0	55,361	8,930	7,415	149	378	434	812	68.2
17.00	Outside of County	0	0	0	0	0	0	0	0	-
18.00	Outside of County	0	1,562	621	67	41	116	0	116	13.4
19.00	Outside of County	0	0	0	0	0	0	0	0	-
20.00	Outside of County	0	220	18	121	1	1	5	6	36.7
21.00	Outside of County	0	5,305	50	2,604	1	2	112	114	46.5
22.00	Outside of County	0	2,253	267	593	2	6	23	29	77.7
23.00	Outside of County	0	59,808	24,226	6,450	101	273	244	517	115.8
24.00	Outside of County	0	48	30	1	1	1	0	1	48.1
25.00	Outside of County	0	0	0	0	0	0	0	0	-
26.00	Outside of County	0	0	0	0	0	0	0	0	-
27.00	Outside of County	0	1,339	265	517	2	6	22	28	47.8
28.00	Outside of County	0	12,525	14,617	388	123	332	6	338	37.0
29.00	Outside of County	0	7,974	9,182	251	72	192	5	197	40.5
30.00	Outside of County	0	6,099	0	3,296	0	0	133	133	45.9
31.00	Outside of County	0	5,578	4,110	1,073	44	94	45	139	40.1
32.00	Outside of County	0	25,043	6,863	623	676	1,526	0	1,526	16.4
33.00	Outside of County	0	0	0	0	0	0	0	0	-
34.00	Outside of County	0	8,768	9,470	602	75	191	16	207	42.4
35.00	Outside of County	0	0	0	0	0	0	0	0	-
36.00	Outside of County	0	0	0	0	0	0	0	0	-
37.00	Outside of County	0	5,088	0	2,708	0	0	178	178	28.6
38.00	Outside of County	0	0	0	0	0	0	0	0	-
39.00	Outside of County	0	24,544	22,481	3,358	666	1,569	227	1,796	13.7
40.00	Outside of County	0	114,103	26,184	19,316	916	2,079	1,839	3,918	29.1
41.00	Outside of County	0	31,014	26,493	3,983	544	1,271	203	1,474	21.0
42.00	Outside of County	0	0	0	0	0	0	0	0	-
43.00	Outside of County	0	53,465	62,545	1,246	828	2,045	0	2,045	26.1
44.00	Outside of County	0	79,830	76,850	3,391	1,069	2,614	95	2,709	29.5
45.00	Outside of County	0	102,812	24,498	14,838	906	2,057	1,357	3,414	30.1
46.00	Outside of County	0	0	0	0	0	0	0	0	-
47.00	Outside of County	0	101,613	0	43,357	0	0	2,398	2,398	42.4
48.00	Outside of County	0	81,016	75,648	3,591	1,203	3,068	121	3,189	25.4
49.00	Outside of County	0	153,743	0	79,423	0	0	4,642	4,642	33.1
50.00	Outside of County	0	120,734	84,488	19,691	1,025	2,430	826	3,256	37.1
51.00	Outside of County	0	128,146	68,763	18,467	1,768	4,253	1,237	5,490	23.3
52.00	Outside of County	0	46,739	25,930	4,544	297	667	240	907	51.5
53.00	Outside of County	0	114,131	86,629	8,626	1,335	3,452	377	3,829	29.8
54.00	Outside of County	0	95,879	36,407	39,951	476	1,153	1,827	2,980	32.2
55.00	Outside of County	0	83,503	38,290	12,735	675	1,583	800	2,383	35.0
56.00	Outside of County	0	34,781	39,600	1,016	820	1,933	4	1,937	18.0
57.00	Outside of County	0	163,125	0	115,873	0	0	7,375	7,375	22.1
58.00	Outside of County	0	43,922	24,122	6,947	465	1,160	388	1,548	28.4
59.00	Outside of County	0	424	110	176	2	4	9	13	32.6
60.00	Outside of County	0	206,790	17,267	105,322	238	478	4,236	4,714	43.9
61.00	Outside of County	0	273,596	189,535	22,758	2,205	5,227	797	6,024	45.4
62.00	Outside of County	0	55,455	318	27,235	4	8	1,150	1,158	47.9
63.00	Outside of County	0	113,206	18,194	52,352	340	756	3,083	3,839	29.5
64.00	Outside of County	0	79,683	59,738	11,739	865	2,156	560	2,716	29.3
65.00	Outside of County	0	10,411	11,450	222	136	338	0	338	30.8
66.00	Outside of County	0	62,000	49,815	4,384	826	1,950	172	2,122	29.2
67.00	Outside of County	0	10,527	0	2,857	0	0	178	178	59.1
68.00	Outside of County	0	55,256	32,446	12,077	616	1,314	679	1,993	27.7
69.00	Outside of County	0	145,594	90,636	39,440	1,588	4,122	2,320	6,442	22.6
70.00	Outside of County	0	211,726	842	129,202	0	0	6,956	6,956	30.4
71.00	Outside of County	0	107,582	110,281	5,045	1,231	3,088	121	3,209	33.5
72.00	Outside of County	0	255,626	377	136,554	0	0	5,133	5,133	49.8
73.00	Outside of County	0	123,044	0	81,909	0	0	5,627	5,627	21.9
74.00	Outside of County	0	177,758	21,836	83,481	435	1,022	4,728	5,750	30.9

VMT Summary by Jurisdiction - 2018 Baseline Scenario (Plus Project) With VMVSP

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75.00	Outside of County	0	106,748	76,811	27,865	1,936	4,401	1,866	6,267	17.0
76.00	Outside of County	0	42,312	23,447	5,092	508	1,352	297	1,649	25.7
77.00	Outside of County	0	160,644	77,997	34,845	1,155	2,810	1,659	4,469	36.0
78.00	Outside of County	0	89,715	0	24,235	0	0	1,567	1,567	57.3
79.00	Outside of County	0	970	0	0	0	0	20	20	48.5
80.00	Outside of County	0	50,796	0	24,470	0	0	1,410	1,410	36.0
81.00	Outside of County	0	162,235	0	85,279	0	0	4,951	4,951	32.8
82.00	Outside of County	0	56,616	0	30,638	0	0	1,787	1,787	31.7
83.00	Outside of County	0	0	0	0	0	0	0	0	-
84.00	Outside of County	0	65,136	48,256	6,705	1,226	2,817	405	3,222	20.2
85.00	Outside of County	0	71,797	59,869	4,807	1,295	3,246	253	3,499	20.5
86.00	Outside of County	0	112,730	74,671	11,709	1,968	4,487	754	5,241	21.5
87.00	Outside of County	0	103,915	66,089	13,199	2,114	4,344	800	5,144	20.2
88.00	Outside of County	0	86,933	47,633	12,070	1,099	2,679	762	3,441	25.3
89.00	Outside of County	0	11,368	0	4,750	0	0	293	293	38.8
90.00	Outside of County	0	53,932	0	11,103	0	0	592	592	91.1
91.00	Outside of County	0	124,563	16,187	51,049	383	961	4,100	5,061	24.6
92.00	Outside of County	0	59,942	56,208	3,300	1,139	2,709	141	2,850	21.0
93.00	Outside of County	0	0	0	0	0	0	0	0	-
94.00	Outside of County	0	432	478	9	6	15	0	15	28.8
95.00	Outside of County	0	935	0	449	0	0	27	27	34.6
96.00	Outside of County	0	343	0	176	0	0	12	12	28.6
97.00	Outside of County	0	110	102	3	2	4	0	4	27.5
98.00	Outside of County	0	76,636	352	27,428	10	25	2,289	2,314	33.1
99.00	Outside of County	0	50,379	27,312	11,992	791	1,944	958	2,902	17.4
100.00	Outside of County	0	6,019	7,001	132	84	203	0	203	29.6
101.00	Outside of County	0	12,205	0	6,211	0	0	320	320	38.1
102.00	Outside of County	0	6,014	5,230	1,024	51	153	53	206	29.2
103.00	Outside of County	0	58,874	67,752	1,437	910	2,200	0	2,200	26.8
104.00	Outside of County	0	0	0	0	0	0	0	0	-
105.00	Outside of County	0	0	0	0	0	0	0	0	-
106.00	Outside of County	0	2,888	0	1,481	0	0	70	70	41.3
107.00	Outside of County	0	85,575	0	45,982	0	0	3,135	3,135	27.3
108.00	Outside of County	0	439	0	204	0	0	15	15	29.3
109.00	Outside of County	0	19,061	0	4,288	0	0	238	238	80.1
110.00	Outside of County	0	64,167	8,784	29,130	205	426	1,610	2,036	31.5
111.00	Outside of County	0	138,113	12,370	25,308	350	728	1,151	1,879	73.5
112.00	Outside of County	0	197,861	38,660	42,631	747	1,946	2,117	4,063	48.7
113.00	Outside of County	0	91,819	0	47,596	0	0	4,022	4,022	22.8
114.00	Outside of County	0	41,177	30,459	7,848	770	1,950	660	2,610	15.8
115.00	Outside of County	0	0	0	0	0	0	0	0	-
116.00	Outside of County	0	0	0	0	0	0	0	0	-
117.00	Outside of County	0	87,176	33,069	23,823	401	1,031	1,492	2,523	34.6
118.00	Outside of County	0	92,129	84,090	3,784	2,313	5,898	187	6,085	15.1
119.00	Outside of County	0	171,151	7,946	75,527	214	522	6,545	7,067	24.2
120.00	Outside of County	0	196,822	0	57,579	0	0	4,131	4,131	47.6
121.00	Outside of County	0	167,929	57,892	22,644	1,642	4,261	1,724	5,985	28.1
122.00	Outside of County	0	67,646	20,366	12,572	619	1,530	1,071	2,601	26.0
123.00	Outside of County	0	53,206	7,585	10,827	200	529	855	1,384	38.4
124.00	Outside of County	0	81,785	55,193	5,741	1,240	2,628	328	2,956	27.7
125.00	Outside of County	0	60,820	10,925	9,454	389	801	781	1,582	38.4
126.00	Outside of County	0	15,879	4,403	1,816	136	279	129	408	38.9
127.00	Outside of County	0	38,871	34,505	2,064	800	1,693	117	1,810	21.5
128.00	Outside of County	0	86,414	40,402	11,220	999	2,062	767	2,829	30.5
129.00	Outside of County	0	43,096	46,807	834	994	2,246	0	2,246	19.2
130.00	Outside of County	0	31,996	10,081	4,146	369	740	416	1,156	27.7
131.00	Outside of County	0	76,544	20,818	13,866	607	1,234	1,278	2,512	30.5
132.00	Outside of County	0	34,256	20,673	4,084	407	894	260	1,154	29.7
133.00	Outside of County	0	134,325	63,978	15,023	2,087	5,211	1,475	6,686	20.1
134.00	Outside of County	0	70,926	32,272	18,782	1,075	2,460	1,492	3,952	17.9
135.00	Outside of County	0	43,945	0	24,386	0	0	2,114	2,114	20.8
136.00	Outside of County	0	31,974	28,700	1,671	669	1,669	82	1,751	18.3
137.00	Outside of County	0	139,363	104,578	9,536	2,349	6,735	673	7,408	18.8
138.00	El Dorado Diamond Springs	0	5,503	5,249	427	161	367	25	392	14.0
139.00	El Dorado Diamond Springs	0	3,991	1,736	666	62	135	55	190	21.0
140.00	El Dorado Diamond Springs	0	24,588	259	5,033	10	27	383	410	59.9
141.00	Unincorporated El Dorado County (Remainder Area)	0	2,103	2,001	81	21	49	2	51	41.4
142.00	Unincorporated El Dorado County (Remainder Area)	0	7,338	7,878	177	157	353	0	353	20.8
143.00	Unincorporated El Dorado County (Remainder Area)	0	3,583	3,686	132	93	209	4	213	16.8
144.00	Unincorporated El Dorado County (Remainder Area)	0	3,876	3,936	293	74	186	19	205	18.9
145.00	Unincorporated El Dorado County (Remainder Area)	0	798	820	23	30	69	0	69	11.6
146.00	El Dorado Diamond Springs	0	3,802	1,744	629	64	145	51	196	19.4
147.00	El Dorado Diamond Springs	0	4,276	4,462	135	159	359	0	359	11.9
148.00	Outside of County	0	189,512	256,075	7,229	2,250	5,293	137	5,430	34.9

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149.00	Shingle Springs	0	6,752	1,708	1,403	37	98	112	210	32.1
150.00	Unincorporated El Dorado County (Remainder Area)	0	7,825	8,662	224	109	260	3	263	29.8
151.00	Unincorporated El Dorado County (Remainder Area)	0	1,486	2,053	20	23	67	0	67	22.1
152.00	Shingle Springs	0	9,764	6,170	1,393	122	315	99	414	23.6
153.00	Unincorporated El Dorado County (Remainder Area)	0	6,394	6,574	214	178	388	5	393	16.3
154.00	Unincorporated El Dorado County (Remainder Area)	0	3,275	3,341	210	84	196	16	212	15.4
155.00	Shingle Springs	0	2,671	3,144	55	62	161	0	161	16.5
156.00	Unincorporated El Dorado County (Remainder Area)	0	2,358	2,800	40	27	67	0	67	35.1
157.00	El Dorado Hills	0	11,538	14,848	184	274	807	0	807	14.3
158.00	Cameron Park	0	22,169	25,151	991	598	1,373	72	1,445	15.3
159.00	Cameron Park	0	12,803	16,649	225	340	878	1	879	14.6
160.00	Shingle Springs	0	7,859	9,689	155	194	501	0	501	15.7
161.00	El Dorado Hills	0	5,817	7,625	79	105	283	0	283	20.6
162.00	El Dorado Hills	0	72,317	100,217	940	1,503	4,414	0	4,414	16.4
163.00	El Dorado Hills	0	338	360	35	7	21	4	25	13.8
164.00	El Dorado Hills	0	27,302	0	13,964	0	0	1,232	1,232	22.2
165.00	El Dorado Hills	0	16,821	20,345	362	373	997	0	997	16.9
166.00	Outside of County	0	41,619	42,214	1,373	749	1,892	49	1,941	21.4
167.00	El Dorado Hills	0	50,830	53,669	2,105	1,297	2,904	55	2,959	17.2
168.00	El Dorado Hills	0	30,859	37,173	916	1,125	2,519	9	2,528	12.2
169.00	El Dorado Hills	0	99,600	148	20,526	0	0	1,688	1,688	59.0
170.00	El Dorado Hills	0	27,015	0	14,759	0	0	1,357	1,357	19.9
171.00	El Dorado Hills	0	14,228	13,080	741	441	790	20	810	17.6
172.00	El Dorado Hills	0	7,992	0	1,907	0	0	168	168	47.6
173.00	El Dorado Hills	0	29,051	0	6,198	0	0	547	547	53.1
174.00	Unincorporated El Dorado County (Remainder Area)	0	2,246	1,567	252	15	37	11	48	46.4
175.00	Unincorporated El Dorado County (Remainder Area)	0	964	889	97	11	26	5	31	30.9
176.00	Unincorporated El Dorado County (Remainder Area)	0	2,074	2,371	41	29	69	0	69	30.0
177.00	Unincorporated El Dorado County (Remainder Area)	0	836	718	118	10	25	7	32	26.2
178.00	Unincorporated El Dorado County (Remainder Area)	0	2,116	2,475	40	30	77	0	77	27.4
179.00	Unincorporated El Dorado County (Remainder Area)	0	9	15	0	1	3	0	3	3.3
180.00	El Dorado Hills	0	2,838	3,633	39	58	149	0	149	19.0
181.00	El Dorado Hills	0	1,290	8	552	1	3	58	61	21.3
182.00	Cameron Park	0	51,515	69,305	701	1,186	3,202	0	3,202	16.1
183.00	Unincorporated El Dorado County (Remainder Area)	0	6,065	7,504	102	152	355	0	355	17.1
184.00	Cameron Park	0	26,717	20,285	2,802	357	964	300	1,264	21.1
185.00	Cameron Park	0	5,263	6,668	80	149	342	0	342	15.4
186.00	Cameron Park	0	607	102	198	3	7	28	35	17.4
187.00	Cameron Park	0	10,097	9,989	910	239	549	85	634	15.9
188.00	Cameron Park	0	7,216	7,233	721	188	432	69	501	14.4
189.00	Unincorporated El Dorado County (Remainder Area)	0	2,920	3,736	44	37	104	0	104	28.2
190.00	Unincorporated El Dorado County (Remainder Area)	0	11,333	14,932	176	237	663	0	663	17.1
191.00	El Dorado Hills	0	824	1,105	11	19	53	0	53	15.5
192.00	El Dorado Hills	0	1,092	1,448	15	25	70	0	70	15.7
193.00	El Dorado Hills	0	8,816	4,435	2,498	100	253	246	499	17.7
194.00	El Dorado Hills	0	18,400	23,946	277	439	1,285	0	1,285	14.3
195.00	El Dorado Hills	0	1,626	534	193	10	26	14	40	41.2
196.00	Outside of County	0	46,157	51,563	1,536	923	2,503	82	2,585	17.9
197.00	El Dorado Hills	0	3,980	4,962	68	86	219	0	219	18.1
198.00	El Dorado Hills	0	58,751	47,353	4,658	887	2,482	453	2,935	20.0
199.00	El Dorado Hills	0	11,251	3,715	1,622	62	173	120	293	38.3
200.00	El Dorado Hills	0	3,389	334	780	7	18	67	85	39.9
201.00	El Dorado Hills	0	13,417	8,511	2,774	150	439	301	740	18.1
202.00	El Dorado Hills	0	42,014	41,831	2,387	737	2,062	199	2,261	18.6
203.00	El Dorado Hills	0	51,207	66,055	1,769	1,043	3,061	139	3,200	16.0
204.00	El Dorado Hills	0	18,866	20,240	609	362	1,067	41	1,108	17.0
205.00	El Dorado Hills	0	1,693	0	778	0	0	80	80	21.2
206.00	El Dorado Hills	0	2,168	2,794	30	52	153	0	153	14.1
207.00	El Dorado Hills	0	15,084	20,037	231	296	869	0	869	17.4
208.00	Unincorporated El Dorado County (Remainder Area)	0	413	563	5	9	26	0	26	15.6
209.00	El Dorado Hills	0	2,999	3,576	173	55	161	14	175	17.1
210.00	El Dorado Hills	0	5,747	7,604	86	125	366	0	366	15.7
211.00	Unincorporated El Dorado County (Remainder Area)	0	166	231	2	4	11	0	11	15.0
212.00	El Dorado Hills	0	1,880	2,547	25	35	103	0	103	18.3
213.00	Unincorporated El Dorado County (Remainder Area)	0	6,834	9,070	100	116	323	0	323	21.2
214.00	Unincorporated El Dorado County (Remainder Area)	0	688	924	10	8	19	0	19	35.6
215.00	El Dorado Hills	0	6,149	8,072	96	113	316	0	316	19.4
216.00	Unincorporated El Dorado County (Remainder Area)	0	401	522	5	5	12	0	12	33.2
217.00	Unincorporated El Dorado County (Remainder Area)	0	745	967	10	11	31	0	31	24.2
218.00	Unincorporated El Dorado County (Remainder Area)	0	1,732	2,257	25	28	78	0	78	22.1
219.00	Unincorporated El Dorado County (Remainder Area)	0	4,452	2,422	1,009	28	78	77	155	28.7
220.00	Unincorporated El Dorado County (Remainder Area)	0	585	771	8	9	25	0	25	23.4
221.00	El Dorado Hills	0	42,585	58,555	550	876	2,359	0	2,359	18.1
222.00	Cameron Park	0	2,642	1,415	249	26	71	26	97	27.4

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223.00	Cameron Park	0	4,129	5,616	50	103	279	0	279	14.8
224.00	Unincorporated El Dorado County (Remainder Area)	0	5,499	6,520	341	95	258	29	287	19.2
225.00	Unincorporated El Dorado County (Remainder Area)	0	11,212	7,738	961	92	270	79	349	32.1
226.00	Cameron Park	0	9,954	8,804	739	131	384	76	460	21.6
227.00	Cameron Park	0	183	179	12	5	12	2	14	13.0
228.00	Cameron Park	0	23,659	31,671	495	705	1,703	20	1,723	13.7
229.00	El Dorado Hills	0	378	531	3	9	24	0	24	15.6
230.00	El Dorado Hills	0	541	764	5	12	35	0	35	15.3
231.00	Unincorporated El Dorado County (Remainder Area)	0	965	325	215	5	15	28	43	22.6
232.00	Unincorporated El Dorado County (Remainder Area)	0	2,131	2,863	28	33	92	0	92	23.2
233.00	Cameron Park	0	6,578	3,876	741	92	211	101	312	21.1
234.00	Cameron Park	0	47,172	42,238	4,355	1,004	2,306	587	2,893	16.3
235.00	Cameron Park	0	33,702	45,129	455	861	2,214	0	2,214	15.2
236.00	Cameron Park	0	17,897	24,390	285	468	1,204	9	1,213	14.8
237.00	Cameron Park	0	2,812	3,584	42	75	172	0	172	16.3
238.00	Cameron Park	0	15,155	13,991	1,933	280	676	199	875	17.3
239.00	Cameron Park	0	1,955	1,644	130	32	87	16	103	19.0
240.00	Unincorporated El Dorado County (Remainder Area)	0	7,600	10,081	104	127	345	0	345	22.1
241.00	Cameron Park	0	7,107	9,406	102	164	445	2	447	15.9
242.00	Cameron Park	0	820	1,124	9	22	60	0	60	13.7
243.00	Cameron Park	0	2,488	3,018	117	52	141	13	154	16.1
244.00	Unincorporated El Dorado County (Remainder Area)	0	1,413	1,825	23	22	57	0	57	25.0
245.00	Unincorporated El Dorado County (Remainder Area)	0	850	1,080	11	10	29	0	29	29.3
246.00	Unincorporated El Dorado County (Remainder Area)	0	4,625	6,276	58	63	182	0	182	25.3
247.00	Unincorporated El Dorado County (Remainder Area)	0	14,577	16,575	350	296	646	0	646	22.6
248.00	Unincorporated El Dorado County (Remainder Area)	0	11,093	13,608	225	185	441	0	441	25.2
249.00	Unincorporated El Dorado County (Remainder Area)	0	1,943	2,136	39	27	59	0	59	33.0
250.00	Unincorporated El Dorado County (Remainder Area)	0	3,307	3,994	63	53	123	0	123	26.8
251.00	Unincorporated El Dorado County (Remainder Area)	0	4,424	5,231	88	88	224	0	224	19.8
252.00	Unincorporated El Dorado County (Remainder Area)	0	20,304	25,135	409	434	1,130	0	1,130	18.0
253.00	Unincorporated El Dorado County (Remainder Area)	0	8,762	11,021	162	147	403	0	403	21.8
254.00	Unincorporated El Dorado County (Remainder Area)	0	6,184	7,402	125	116	295	0	295	21.0
255.00	Cameron Park	0	16,220	0	4,669	0	0	426	426	38.1
256.00	Cameron Park	0	44,464	1,980	12,762	47	121	1,042	1,163	38.2
257.00	Shingle Springs	0	29,667	6,911	10,582	153	389	960	1,349	22.0
258.00	Unincorporated El Dorado County (Remainder Area)	0	1,521	1,802	50	21	58	2	60	25.5
259.00	Unincorporated El Dorado County (Remainder Area)	0	1,847	2,306	30	30	78	0	78	23.6
260.00	Shingle Springs	0	5,539	60	1,735	2	4	146	150	36.8
261.00	Shingle Springs	0	15,035	4,208	3,469	92	252	282	534	28.2
262.00	Shingle Springs	0	12,702	4,939	2,881	121	308	238	546	23.3
263.00	Shingle Springs	0	6,086	5,021	513	108	296	35	331	18.4
264.00	Shingle Springs	0	4,692	2,304	602	50	137	45	182	25.8
265.00	Unincorporated El Dorado County (Remainder Area)	0	2,419	2,986	43	45	117	0	117	20.6
266.00	Unincorporated El Dorado County (Remainder Area)	0	2,360	2,151	117	42	92	4	96	24.7
267.00	Unincorporated El Dorado County (Remainder Area)	0	5,488	6,864	125	129	336	0	336	16.3
268.00	Unincorporated El Dorado County (Remainder Area)	0	3,273	3,753	130	69	180	6	186	17.6
269.00	Unincorporated El Dorado County (Remainder Area)	0	9,279	10,809	227	204	516	1	517	18.0
270.00	Unincorporated El Dorado County (Remainder Area)	0	2,459	3,180	42	44	113	0	113	21.7
271.00	Unincorporated El Dorado County (Remainder Area)	0	8,115	10,068	197	150	379	5	384	21.1
272.00	Unincorporated El Dorado County (Remainder Area)	0	6,788	7,780	352	131	347	23	370	18.3
273.00	Unincorporated El Dorado County (Remainder Area)	0	7,914	10,194	253	134	391	12	403	19.6
274.00	Unincorporated El Dorado County (Remainder Area)	0	15,485	13,995	1,296	233	618	99	717	21.6
275.00	Unincorporated El Dorado County (Remainder Area)	0	15,486	18,292	448	321	828	13	841	18.4
276.00	Cameron Park	0	9,046	11,056	254	224	541	12	553	16.4
277.00	Cameron Park	0	6,277	8,057	101	161	416	0	416	15.1
278.00	Unincorporated El Dorado County (Remainder Area)	0	5,304	6,922	83	91	247	0	247	21.5
279.00	Unincorporated El Dorado County (Remainder Area)	0	2,718	3,580	42	45	122	0	122	22.3
280.00	Unincorporated El Dorado County (Remainder Area)	0	1,772	2,208	32	37	98	0	98	18.1
281.00	Unincorporated El Dorado County (Remainder Area)	0	3,793	3,549	525	59	156	36	192	19.7
282.00	Unincorporated El Dorado County (Remainder Area)	0	1,739	2,157	31	39	103	0	103	16.8
283.00	Shingle Springs	0	15,696	3,658	1,991	0	0	161	161	97.5
284.00	Shingle Springs	0	1,599	1,098	292	25	65	25	90	17.9
285.00	Unincorporated El Dorado County (Remainder Area)	0	5,016	1,448	856	12	26	66	92	54.3
286.00	Unincorporated El Dorado County (Remainder Area)	0	1,787	2,324	29	36	95	0	95	18.7
287.00	Unincorporated El Dorado County (Remainder Area)	0	1,716	2,182	28	34	88	0	88	19.6
288.00	Unincorporated El Dorado County (Remainder Area)	0	2,647	3,340	45	51	135	0	135	19.6
289.00	Unincorporated El Dorado County (Remainder Area)	0	359	512	4	8	23	0	23	15.4
290.00	Unincorporated El Dorado County (Remainder Area)	0	2,421	3,227	37	44	129	0	129	18.8
291.00	Unincorporated El Dorado County (Remainder Area)	0	9,875	12,820	182	188	463	0	463	21.3
292.00	Unincorporated El Dorado County (Remainder Area)	0	4,699	6,516	65	72	210	0	210	22.3
293.00	Unincorporated El Dorado County (Remainder Area)	0	1,225	1,267	32	34	77	0	77	15.8
294.00	Unincorporated El Dorado County (Remainder Area)	0	3,994	4,584	94	97	247	0	247	16.2
295.00	Unincorporated El Dorado County (Remainder Area)	0	146,515	5,013	26,210	110	284	1,491	1,775	82.6
296.00	El Dorado Diamond Springs	0	9,543	6,624	832	117	305	56	361	26.5

VMT Summary by Jurisdiction - 2018 Baseline Scenario (Plus Project) With VMVSP

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297.00	Unincorporated El Dorado County (Remainder Area)	0	2,418	3,114	56	70	182	0	182	13.3
298.00	Unincorporated El Dorado County (Remainder Area)	0	3,274	3,763	74	79	206	0	206	15.9
299.00	Unincorporated El Dorado County (Remainder Area)	0	5,041	5,987	106	106	268	0	268	18.8
300.00	Unincorporated El Dorado County (Remainder Area)	0	1,188	1,371	26	28	71	0	71	16.8
301.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	1	2	0	2	0.1
302.00	Unincorporated El Dorado County (Remainder Area)	0	3,991	2,467	499	57	130	33	163	24.5
303.00	El Dorado Diamond Springs	0	3,450	3,623	89	106	231	0	231	14.9
304.00	El Dorado Diamond Springs	0	6,316	375	2,351	12	27	224	251	25.1
305.00	El Dorado Diamond Springs	0	7,578	0	3,131	1	2	283	285	26.6
306.00	El Dorado Diamond Springs	0	1,622	369	623	10	22	55	77	21.1
307.00	El Dorado Diamond Springs	0	616	487	38	16	36	2	38	16.1
308.00	El Dorado Diamond Springs	0	272	269	15	11	25	1	26	10.5
309.00	El Dorado Diamond Springs	0	531	427	52	14	32	4	36	14.8
310.00	El Dorado Diamond Springs	0	4,135	780	1,284	26	59	122	181	22.9
311.00	El Dorado Diamond Springs	0	8,550	1,176	2,109	38	87	158	245	35.0
312.00	El Dorado Diamond Springs	0	864	874	48	31	70	3	73	11.8
313.00	El Dorado Diamond Springs	0	23,535	4,227	6,913	38	99	506	605	38.9
314.00	El Dorado Diamond Springs	0	2,959	3,032	153	81	206	8	214	13.8
315.00	Outside of County	0	0	0	0	0	0	0	0	-
316.00	El Dorado Diamond Springs	0	341	339	9	13	30	0	30	11.5
317.00	El Dorado Diamond Springs	0	205	206	5	8	18	0	18	11.3
318.00	Unincorporated El Dorado County (Remainder Area)	0	4,290	4,589	137	128	326	2	328	13.1
319.00	El Dorado Diamond Springs	0	1,211	1,193	91	38	99	6	105	11.6
320.00	Unincorporated El Dorado County (Remainder Area)	0	5,219	2,250	542	18	44	39	83	62.6
321.00	Unincorporated El Dorado County (Remainder Area)	0	5,235	6,594	103	104	256	0	256	20.4
322.00	Unincorporated El Dorado County (Remainder Area)	0	7,431	7,913	557	153	387	33	420	17.7
323.00	Unincorporated El Dorado County (Remainder Area)	0	2,823	3,408	86	51	129	4	133	21.2
324.00	Unincorporated El Dorado County (Remainder Area)	0	3,618	4,718	62	64	165	0	165	22.0
325.00	Unincorporated El Dorado County (Remainder Area)	0	703	865	14	16	39	0	39	17.8
326.00	Unincorporated El Dorado County (Remainder Area)	0	2,157	2,691	54	49	121	1	122	17.7
327.00	Placerville	0	1,694	1,970	39	40	101	0	101	16.8
328.00	Unincorporated El Dorado County (Remainder Area)	0	844	984	18	19	48	0	48	17.6
329.00	Placerville	0	4,828	5,342	125	139	317	0	317	15.2
330.00	Unincorporated El Dorado County (Remainder Area)	0	2,679	3,059	66	73	184	0	184	14.6
331.00	Unincorporated El Dorado County (Remainder Area)	0	5,782	7,020	117	110	274	0	274	21.1
332.00	Unincorporated El Dorado County (Remainder Area)	0	1,529	1,769	36	47	104	0	104	14.7
333.00	Unincorporated El Dorado County (Remainder Area)	0	4,509	5,593	87	91	226	0	226	20.0
334.00	Unincorporated El Dorado County (Remainder Area)	0	3,814	1,153	1,334	26	58	110	168	22.7
335.00	Unincorporated El Dorado County (Remainder Area)	0	2,998	3,224	126	77	165	5	170	17.6
336.00	Unincorporated El Dorado County (Remainder Area)	0	1,214	1,445	25	30	70	0	70	17.2
337.00	Unincorporated El Dorado County (Remainder Area)	0	9,258	7,574	882	121	302	62	364	25.5
338.00	Unincorporated El Dorado County (Remainder Area)	0	14,021	17,587	374	322	831	14	845	16.6
339.00	Unincorporated El Dorado County (Remainder Area)	0	8,525	12,246	120	188	410	0	410	20.8
340.00	Unincorporated El Dorado County (Remainder Area)	0	6,846	8,469	226	93	205	14	219	31.3
341.00	Unincorporated El Dorado County (Remainder Area)	0	1,483	1,901	87	31	71	8	79	18.8
342.00	Unincorporated El Dorado County (Remainder Area)	0	2,617	3,238	49	48	124	0	124	21.1
343.00	Unincorporated El Dorado County (Remainder Area)	0	3,494	4,083	63	53	116	0	116	30.2
344.00	Unincorporated El Dorado County (Remainder Area)	0	3,771	4,469	68	55	120	0	120	31.4
345.00	Unincorporated El Dorado County (Remainder Area)	0	1,799	1,938	34	29	63	0	63	28.4
346.00	Unincorporated El Dorado County (Remainder Area)	0	1,275	1,391	24	22	49	0	49	25.8
347.00	Unincorporated El Dorado County (Remainder Area)	0	2,917	3,661	49	42	108	0	108	26.9
348.00	Unincorporated El Dorado County (Remainder Area)	0	2,811	2,987	62	49	110	0	110	25.5
349.00	Unincorporated El Dorado County (Remainder Area)	0	6,252	7,922	255	83	191	18	209	29.9
350.00	Unincorporated El Dorado County (Remainder Area)	0	1,172	1,667	17	22	48	0	48	24.4
351.00	Unincorporated El Dorado County (Remainder Area)	0	1,302	1,872	16	23	50	0	50	25.9
352.00	Unincorporated El Dorado County (Remainder Area)	0	1,855	2,615	24	29	63	0	63	29.3
353.00	Unincorporated El Dorado County (Remainder Area)	0	9,001	13,206	100	167	365	1	366	24.6
354.00	Unincorporated El Dorado County (Remainder Area)	0	5,594	3,549	755	53	116	77	193	29.0
355.00	Placerville	1	14,309	6,407	2,969	241	550	244	794	18.0
356.00	Placerville	1	2,481	2,592	74	91	195	0	195	12.7
357.00	Unincorporated El Dorado County (Remainder Area)	0	4,885	3,753	372	89	209	21	230	21.3
358.00	Placerville	0	5,869	2,878	1,200	81	190	98	288	20.4
359.00	Unincorporated El Dorado County (Remainder Area)	0	4,260	5,003	94	105	254	0	254	16.8
360.00	Unincorporated El Dorado County (Remainder Area)	0	5,328	5,709	242	98	237	10	247	21.6
361.00	Placerville	1	17,691	10,023	4,192	458	938	392	1,330	13.3
362.00	Placerville	1	46,560	5,778	11,039	252	591	876	1,467	31.7
363.00	Unincorporated El Dorado County (Remainder Area)	0	325	335	9	13	31	0	31	10.5
364.00	Placerville	0	4,022	3,455	418	138	328	30	358	11.2
365.00	El Dorado Diamond Springs	0	10,863	8,489	1,050	322	722	71	793	13.7
366.00	El Dorado Diamond Springs	0	380	269	43	15	31	4	35	10.8
367.00	El Dorado Diamond Springs	0	4,055	0	1,962	0	0	197	197	20.6
368.00	El Dorado Diamond Springs	0	1,577	1,696	48	68	149	0	149	10.6
369.00	El Dorado Diamond Springs	0	5,645	5,644	284	228	507	13	520	10.9
370.00	El Dorado Diamond Springs	0	6,439	0	3,041	0	0	303	303	21.3

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371.00	El Dorado Diamond Springs	0	737	784	17	21	47	0	47	15.8
372.00	El Dorado Diamond Springs	0	16,945	7,777	2,407	195	433	211	644	26.3
373.00	El Dorado Diamond Springs	0	651	632	19	26	59	0	59	11.1
374.00	El Dorado Diamond Springs	0	413	323	29	13	28	2	30	13.5
375.00	El Dorado Diamond Springs	0	366	361	10	14	32	0	32	11.6
376.00	El Dorado Diamond Springs	0	966	916	57	34	77	3	80	12.1
377.00	El Dorado Diamond Springs	0	562	324	157	13	29	14	43	13.0
378.00	El Dorado Diamond Springs	0	664	639	19	27	59	0	59	11.2
379.00	El Dorado Diamond Springs	0	1,094	1,090	31	48	105	0	105	10.4
380.00	El Dorado Diamond Springs	0	255	241	7	12	26	0	26	9.7
381.00	El Dorado Diamond Springs	0	158	140	5	7	15	0	15	10.3
382.00	El Dorado Diamond Springs	0	260	233	8	11	24	0	24	10.8
383.00	Unincorporated El Dorado County (Remainder Area)	0	1,583	1,712	40	46	102	0	102	15.5
384.00	El Dorado Diamond Springs	0	3,630	3,898	95	120	267	0	267	13.6
385.00	El Dorado Diamond Springs	0	11,633	13,412	337	451	1,002	0	1,002	11.6
386.00	El Dorado Diamond Springs	0	2,639	2,868	67	90	200	0	200	13.2
387.00	El Dorado Diamond Springs	0	1,169	912	107	36	80	8	88	13.3
388.00	El Dorado Diamond Springs	0	6,366	0	3,071	0	0	303	303	21.0
389.00	El Dorado Diamond Springs	0	6,146	11	2,622	2	4	264	268	22.9
390.00	El Dorado Diamond Springs	0	4,293	3,824	360	182	379	23	402	10.7
391.00	El Dorado Diamond Springs	0	2,187	192	549	11	23	54	77	28.4
392.00	El Dorado Diamond Springs	0	669	588	23	28	58	0	58	11.5
393.00	El Dorado Diamond Springs	0	8,988	6,223	1,005	268	605	68	673	13.3
394.00	El Dorado Diamond Springs	0	185	197	5	8	22	0	22	8.5
395.00	Placerville	1	62,564	1,547	26,164	74	166	2,253	2,419	25.9
396.00	El Dorado Diamond Springs	0	28,396	0	5,844	0	0	439	439	64.7
397.00	El Dorado Diamond Springs	0	1,324	1,238	70	50	114	3	117	11.3
398.00	El Dorado Diamond Springs	0	413	316	38	14	32	3	35	11.9
399.00	El Dorado Diamond Springs	0	1,120	1,110	32	43	97	0	97	11.5
400.00	El Dorado Diamond Springs	0	313	256	11	16	33	0	33	9.4
401.00	Placerville	0	9,054	641	2,637	28	63	213	276	32.8
402.00	El Dorado Diamond Springs	0	3,528	1,412	1,078	51	133	106	239	14.8
403.00	El Dorado Diamond Springs	0	23,998	3,664	7,793	124	258	654	912	26.3
404.00	El Dorado Diamond Springs	0	1,342	400	460	19	42	49	91	14.8
405.00	El Dorado Diamond Springs	0	168	146	5	9	20	0	20	8.5
406.00	El Dorado Diamond Springs	0	19,131	541	3,789	24	53	286	339	56.5
407.00	El Dorado Diamond Springs	0	9,599	20	3,379	1	2	309	311	30.9
408.00	El Dorado Diamond Springs	0	4,174	22	1,745	1	2	182	184	22.7
409.00	Placerville	0	18,789	2,953	5,665	104	248	445	693	27.1
410.00	El Dorado Diamond Springs	0	24,448	14,345	3,620	426	1,031	277	1,308	18.7
411.00	Placerville	1	50,975	5,984	13,404	298	712	1,271	1,983	25.7
412.00	Unincorporated El Dorado County (Remainder Area)	0	2,946	3,133	80	86	206	0	206	14.3
413.00	Placerville	0	3,580	3,698	103	126	301	0	301	11.9
414.00	El Dorado Diamond Springs	0	2,619	127	1,184	7	15	120	135	19.5
415.00	Unincorporated El Dorado County (Remainder Area)	0	432	433	12	18	40	0	40	10.7
416.00	El Dorado Diamond Springs	0	146	142	4	9	19	0	19	7.8
417.00	Placerville	1	9,760	1,069	2,888	45	114	278	392	24.9
418.00	Placerville	1	3,211	0	679	0	0	64	64	50.2
419.00	Placerville	1	3,320	0	853	0	0	85	85	39.1
420.00	Placerville	1	1,754	931	503	42	100	52	152	11.5
421.00	Placerville	1	1,648	1,532	99	68	163	5	168	9.8
422.00	Placerville	1	53,161	6,240	24,912	278	652	1,907	2,559	20.8
423.00	Unincorporated El Dorado County (Remainder Area)	0	455	468	12	20	48	0	48	9.5
424.00	Placerville	0	10,235	4,725	2,533	171	391	228	619	16.5
425.00	Placerville	0	53,280	31,845	5,997	1,167	2,617	563	3,180	16.8
426.00	Placerville	0	852	966	20	33	82	0	82	10.4
427.00	Unincorporated El Dorado County (Remainder Area)	0	3,935	4,460	93	93	232	0	232	17.0
428.00	Unincorporated El Dorado County (Remainder Area)	0	638	723	15	22	55	0	55	11.6
429.00	Unincorporated El Dorado County (Remainder Area)	0	1,302	1,623	35	35	83	0	83	15.8
430.00	Unincorporated El Dorado County (Remainder Area)	0	2,513	2,423	179	58	137	10	147	17.1
431.00	Placerville	1	1,796	460	661	22	45	60	105	17.1
432.00	Unincorporated El Dorado County (Remainder Area)	0	15,235	10,280	2,723	309	729	229	958	15.9
433.00	Placerville	1	10,361	9,399	713	481	1,041	36	1,077	9.6
434.00	Placerville	1	670	571	23	33	71	0	71	9.5
435.00	Placerville	1	1,186	628	246	36	77	27	104	11.4
436.00	Unincorporated El Dorado County (Remainder Area)	0	962	1,128	20	25	62	0	62	15.4
437.00	Unincorporated El Dorado County (Remainder Area)	0	5,343	5,561	251	117	287	12	299	17.9
438.00	Unincorporated El Dorado County (Remainder Area)	0	5,566	5,178	235	124	278	11	289	19.3
439.00	Unincorporated El Dorado County (Remainder Area)	0	5,391	6,210	173	156	350	3	353	15.3
440.00	Unincorporated El Dorado County (Remainder Area)	0	1,391	1,083	179	28	63	15	78	17.9
441.00	Placerville	1	359	367	9	12	29	0	29	12.5
442.00	Placerville	1	13,078	10,433	1,047	313	768	69	837	15.6
443.00	Unincorporated El Dorado County (Remainder Area)	0	1,452	1,539	37	38	85	0	85	17.0
444.00	Unincorporated El Dorado County (Remainder Area)	0	197	214	5	8	19	0	19	10.3

VMT Summary by Jurisdiction - 2018 Baseline Scenario (Plus Project) With VMVSP

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
445.00	Placerville	0	1,036	879	152	23	56	11	67	15.4
446.00	Placerville	1	1,766	830	250	25	59	19	78	22.7
447.00	Unincorporated El Dorado County (Remainder Area)	0	3,220	3,894	68	76	189	0	189	17.0
448.00	Placerville	0	1,787	2,047	75	53	130	4	134	13.3
449.00	Unincorporated El Dorado County (Remainder Area)	0	539	563	14	14	30	0	30	18.0
450.00	Unincorporated El Dorado County (Remainder Area)	0	3,255	2,622	397	84	180	31	211	15.4
451.00	Unincorporated El Dorado County (Remainder Area)	0	975	1,015	26	27	58	0	58	16.9
452.00	Placerville	0	6,377	4,039	505	121	259	33	292	21.8
453.00	Placerville	1	2,892	3,002	122	145	310	1	311	9.3
454.00	Unincorporated El Dorado County (Remainder Area)	0	564	531	18	25	54	0	54	10.5
455.00	Unincorporated El Dorado County (Remainder Area)	0	2,697	3,004	67	73	172	0	172	15.7
456.00	Unincorporated El Dorado County (Remainder Area)	0	1,870	2,023	49	51	109	0	109	17.1
457.00	Unincorporated El Dorado County (Remainder Area)	0	2,794	3,009	131	62	137	5	142	19.7
458.00	Placerville	0	2,925	2,545	347	67	157	26	183	16.0
459.00	Placerville	0	307	345	7	11	26	0	26	11.9
460.00	Unincorporated El Dorado County (Remainder Area)	0	1,457	949	267	22	47	20	67	21.7
461.00	Unincorporated El Dorado County (Remainder Area)	0	1,569	218	625	6	14	59	73	21.5
462.00	Unincorporated El Dorado County (Remainder Area)	0	5,250	1,255	1,777	31	66	125	191	27.4
463.00	Unincorporated El Dorado County (Remainder Area)	0	4,432	7,190	40	85	194	0	194	22.8
464.00	Unincorporated El Dorado County (Remainder Area)	0	2,507	3,272	40	47	104	0	104	24.2
465.00	Unincorporated El Dorado County (Remainder Area)	0	3,931	5,655	116	58	134	16	150	26.3
466.00	Unincorporated El Dorado County (Remainder Area)	0	3,520	4,367	204	61	139	22	161	21.8
467.00	Unincorporated El Dorado County (Remainder Area)	0	2,476	3,825	24	39	89	0	89	27.8
468.00	Unincorporated El Dorado County (Remainder Area)	0	6,732	9,674	126	120	277	6	283	23.8
469.00	Unincorporated El Dorado County (Remainder Area)	0	4,068	5,634	138	59	131	15	146	27.9
470.00	Unincorporated El Dorado County (Remainder Area)	0	2,019	3,053	27	32	73	1	74	27.3
471.00	Unincorporated El Dorado County (Remainder Area)	0	1,469	2,024	54	23	53	6	59	25.1
472.00	Unincorporated El Dorado County (Remainder Area)	0	1,944	2,278	149	26	59	20	79	24.5
473.00	Unincorporated El Dorado County (Remainder Area)	0	600	567	30	10	23	2	25	24.0
474.00	Unincorporated El Dorado County (Remainder Area)	0	1,677	2,141	29	37	81	0	81	20.8
475.00	Unincorporated El Dorado County (Remainder Area)	0	1,784	2,350	28	38	83	0	83	21.5
476.00	Unincorporated El Dorado County (Remainder Area)	0	855	1,108	13	16	41	0	41	20.7
477.00	Unincorporated El Dorado County (Remainder Area)	0	2,023	2,530	126	30	69	15	84	24.0
478.00	Unincorporated El Dorado County (Remainder Area)	0	1,469	1,885	24	30	66	0	66	22.3
479.00	Unincorporated El Dorado County (Remainder Area)	0	4,053	3,096	446	51	118	37	155	26.2
480.00	Unincorporated El Dorado County (Remainder Area)	0	1,293	1,986	13	20	46	0	46	28.3
481.00	Unincorporated El Dorado County (Remainder Area)	0	1,332	2,019	15	20	44	0	44	30.3
482.00	Unincorporated El Dorado County (Remainder Area)	0	5,614	7,900	93	74	163	3	166	33.9
483.00	Unincorporated El Dorado County (Remainder Area)	0	4,389	5,136	176	115	249	9	258	17.0
484.00	Unincorporated El Dorado County (Remainder Area)	0	6,712	5,535	961	91	227	114	341	19.7
485.00	Unincorporated El Dorado County (Remainder Area)	0	1,054	1,510	11	15	37	0	37	28.2
486.00	Unincorporated El Dorado County (Remainder Area)	0	4,042	5,835	48	69	156	0	156	26.0
487.00	Unincorporated El Dorado County (Remainder Area)	0	11,767	11,120	749	221	519	36	555	21.2
488.00	Unincorporated El Dorado County (Remainder Area)	0	5,477	7,445	88	107	242	0	242	22.7
489.00	Unincorporated El Dorado County (Remainder Area)	0	6,829	6,929	671	133	300	58	358	19.1
490.00	Unincorporated El Dorado County (Remainder Area)	0	1,165	1,505	20	24	60	0	60	19.5
491.00	Unincorporated El Dorado County (Remainder Area)	0	7,324	8,952	179	160	399	3	402	18.2
492.00	Unincorporated El Dorado County (Remainder Area)	0	5,032	4,392	415	71	176	31	207	24.3
493.00	Unincorporated El Dorado County (Remainder Area)	0	5,114	4,518	375	72	178	26	204	25.0
494.00	Unincorporated El Dorado County (Remainder Area)	0	3,231	3,892	140	68	170	10	180	18.0
495.00	Unincorporated El Dorado County (Remainder Area)	0	648	836	11	16	40	0	40	16.2
496.00	Unincorporated El Dorado County (Remainder Area)	0	7,355	4,467	843	81	201	67	268	27.5
497.00	Unincorporated El Dorado County (Remainder Area)	0	4,280	5,613	102	88	224	3	227	18.8
498.00	Unincorporated El Dorado County (Remainder Area)	0	3,413	4,390	106	70	158	6	164	20.8
499.00	Unincorporated El Dorado County (Remainder Area)	0	1,325	1,754	22	30	75	0	75	17.7
500.00	Unincorporated El Dorado County (Remainder Area)	0	4,182	1,383	613	11	26	51	77	54.4
501.00	Unincorporated El Dorado County (Remainder Area)	0	2,804	995	781	22	49	83	132	21.3
502.00	Unincorporated El Dorado County (Remainder Area)	0	6,971	7,563	358	117	272	18	290	24.0
503.00	Unincorporated El Dorado County (Remainder Area)	0	4,198	0	1,025	1	2	76	78	53.7
504.00	Unincorporated El Dorado County (Remainder Area)	0	6,055	6,372	348	141	313	19	332	18.3
505.00	Unincorporated El Dorado County (Remainder Area)	0	74	85	1	3	7	0	7	11.1
506.00	Unincorporated El Dorado County (Remainder Area)	0	1,019	1,220	22	28	62	0	62	16.4
507.00	Unincorporated El Dorado County (Remainder Area)	0	2,732	2,330	398	50	116	37	153	17.8
508.00	Unincorporated El Dorado County (Remainder Area)	0	6,674	3,427	1,868	85	184	186	370	18.1
509.00	Unincorporated El Dorado County (Remainder Area)	0	389	418	22	12	27	2	29	13.6
510.00	Unincorporated El Dorado County (Remainder Area)	0	3,202	3,424	160	92	199	10	209	15.3
511.00	Unincorporated El Dorado County (Remainder Area)	0	2,729	1,841	365	45	105	33	138	19.8
512.00	Unincorporated El Dorado County (Remainder Area)	0	2,828	1,942	372	37	86	27	113	25.0
513.00	Unincorporated El Dorado County (Remainder Area)	0	7,352	10,597	86	142	354	0	354	20.8
514.00	Unincorporated El Dorado County (Remainder Area)	0	31,635	46,445	317	622	1,551	0	1,551	20.4
515.00	Unincorporated El Dorado County (Remainder Area)	0	3,567	4,704	107	69	176	8	184	19.4
516.00	Unincorporated El Dorado County (Remainder Area)	0	8,056	11,652	89	142	362	0	362	22.3
517.00	Unincorporated El Dorado County (Remainder Area)	0	18,783	20,786	1,134	388	857	101	958	19.6
518.00	Unincorporated El Dorado County (Remainder Area)	0	11,773	15,404	312	289	671	17	688	17.1

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519.00	Unincorporated El Dorado County (Remainder Area)	0	5,805	7,659	194	142	330	12	342	17.0
520.00	Unincorporated El Dorado County (Remainder Area)	0	11,793	15,795	273	266	617	12	629	18.7
521.00	Unincorporated El Dorado County (Remainder Area)	0	10,711	12,789	592	290	641	60	701	15.3
522.00	Unincorporated El Dorado County (Remainder Area)	0	5,035	7,095	65	85	221	0	221	22.8
523.00	Unincorporated El Dorado County (Remainder Area)	0	16,338	10,055	1,947	240	588	206	794	20.6
524.00	Unincorporated El Dorado County (Remainder Area)	0	15,049	12,759	1,133	205	490	103	593	25.4
525.00	Unincorporated El Dorado County (Remainder Area)	0	4,869	7,125	45	85	199	0	199	24.4
526.00	Unincorporated El Dorado County (Remainder Area)	0	246	336	3	5	12	0	12	20.2
527.00	Unincorporated El Dorado County (Remainder Area)	0	7,664	9,295	368	162	380	38	418	18.3
528.00	Unincorporated El Dorado County (Remainder Area)	0	59,673	84,034	819	1,001	2,429	72	2,501	23.9
529.00	Unincorporated El Dorado County (Remainder Area)	0	915	1,144	13	15	36	0	36	25.2
530.00	Unincorporated El Dorado County (Remainder Area)	0	12,891	17,279	197	191	462	0	462	27.9
531.00	Unincorporated El Dorado County (Remainder Area)	0	2,526	3,392	36	34	82	0	82	30.7
532.00	Unincorporated El Dorado County (Remainder Area)	0	3,987	5,132	61	61	147	0	147	27.0
533.00	Unincorporated El Dorado County (Remainder Area)	0	9,334	8,550	662	105	271	34	305	30.6
534.00	Unincorporated El Dorado County (Remainder Area)	0	3,779	4,940	54	53	128	0	128	29.5
535.00	Unincorporated El Dorado County (Remainder Area)	0	5,915	7,760	76	91	221	0	221	26.7
536.00	Unincorporated El Dorado County (Remainder Area)	0	5,070	6,535	66	82	200	0	200	25.4
537.00	Unincorporated El Dorado County (Remainder Area)	0	10,358	14,067	109	165	402	0	402	25.8
538.00	Unincorporated El Dorado County (Remainder Area)	0	3,969	3,023	312	44	107	22	129	30.8
539.00	Unincorporated El Dorado County (Remainder Area)	0	13,191	1,382	2,132	6	15	166	181	73.1
540.00	Unincorporated El Dorado County (Remainder Area)	0	2,874	0	588	0	0	53	53	54.2
541.00	Unincorporated El Dorado County (Remainder Area)	0	1,044	1,106	63	18	42	6	48	21.7
542.00	Unincorporated El Dorado County (Remainder Area)	0	3,592	3,035	420	52	123	37	160	22.4
543.00	Unincorporated El Dorado County (Remainder Area)	0	10,589	2,397	1,795	49	114	107	221	47.8
544.00	Unincorporated El Dorado County (Remainder Area)	0	678	490	105	9	21	8	29	23.4
545.00	Unincorporated El Dorado County (Remainder Area)	0	1,520	2,037	17	23	54	0	54	28.3
546.00	Unincorporated El Dorado County (Remainder Area)	0	4,810	6,417	55	61	143	0	143	33.7
547.00	Unincorporated El Dorado County (Remainder Area)	0	4,044	517	493	10	23	46	69	58.3
548.00	Unincorporated El Dorado County (Remainder Area)	0	17,332	22,941	474	386	910	22	932	18.6
549.00	Unincorporated El Dorado County (Remainder Area)	0	2,149	2,683	39	42	99	0	99	21.7
550.00	Unincorporated El Dorado County (Remainder Area)	0	263	342	4	7	18	0	18	14.6
551.00	Unincorporated El Dorado County (Remainder Area)	0	5,426	2,485	791	41	105	54	159	34.0
552.00	Unincorporated El Dorado County (Remainder Area)	0	2,446	417	506	8	19	32	51	48.2
553.00	Unincorporated El Dorado County (Remainder Area)	0	1,555	2,024	27	32	75	0	75	20.8
554.00	Unincorporated El Dorado County (Remainder Area)	0	4,006	5,153	107	83	194	4	198	20.2
555.00	Unincorporated El Dorado County (Remainder Area)	0	1,636	2,197	24	34	80	0	80	20.3
556.00	Unincorporated El Dorado County (Remainder Area)	0	5,059	6,899	67	82	192	0	192	26.4
557.00	Unincorporated El Dorado County (Remainder Area)	0	1,685	2,072	32	35	82	1	83	20.4
558.00	Unincorporated El Dorado County (Remainder Area)	0	2,714	2,977	167	36	84	19	103	26.2
559.00	Unincorporated El Dorado County (Remainder Area)	0	1,368	1,808	18	25	59	0	59	23.3
560.00	Unincorporated El Dorado County (Remainder Area)	0	1,593	1,644	102	27	63	10	73	21.8
561.00	Unincorporated El Dorado County (Remainder Area)	0	1,169	1,552	18	22	52	0	52	22.5
562.00	Unincorporated El Dorado County (Remainder Area)	0	4,009	5,882	40	62	145	0	145	27.6
563.00	Unincorporated El Dorado County (Remainder Area)	0	2,194	3,329	17	32	71	0	71	31.0
564.00	Unincorporated El Dorado County (Remainder Area)	0	614	818	10	14	33	0	33	18.3
565.00	Unincorporated El Dorado County (Remainder Area)	0	2,599	3,599	39	56	129	0	129	20.1
566.00	Unincorporated El Dorado County (Remainder Area)	0	3,956	5,285	71	93	220	1	221	17.9
567.00	Unincorporated El Dorado County (Remainder Area)	0	662	794	26	18	42	2	44	15.2
568.00	Unincorporated El Dorado County (Remainder Area)	0	917	1,226	15	26	62	0	62	14.9
569.00	Unincorporated El Dorado County (Remainder Area)	0	3,684	2,774	303	61	144	31	175	21.0
570.00	Unincorporated El Dorado County (Remainder Area)	0	4,799	2,118	788	40	92	92	184	26.0
571.00	Unincorporated El Dorado County (Remainder Area)	0	1,354	1,801	22	33	76	0	76	17.8
572.00	Unincorporated El Dorado County (Remainder Area)	0	1,855	1,344	266	25	61	34	95	19.5
573.00	Unincorporated El Dorado County (Remainder Area)	0	6,507	7,809	123	89	197	2	199	32.8
574.00	Unincorporated El Dorado County (Remainder Area)	0	5,011	7,921	31	71	174	0	174	28.8
575.00	Unincorporated El Dorado County (Remainder Area)	0	2,764	4,085	16	29	71	0	71	38.9
576.00	Unincorporated El Dorado County (Remainder Area)	0	1,083	1,519	17	19	42	1	43	25.2
577.00	Unincorporated El Dorado County (Remainder Area)	0	742	1,098	7	13	29	0	29	25.8
578.00	Unincorporated El Dorado County (Remainder Area)	0	23,353	37,023	107	370	817	0	817	28.6
579.00	Unincorporated El Dorado County (Remainder Area)	0	3,778	5,245	102	38	96	12	108	34.8
580.00	Unincorporated El Dorado County (Remainder Area)	0	2,875	4,102	63	35	89	5	94	30.6
581.00	Unincorporated El Dorado County (Remainder Area)	0	4,268	5,072	297	43	95	32	127	33.7
582.00	Unincorporated El Dorado County (Remainder Area)	0	1,259	1,699	17	13	34	0	34	37.3
583.00	Unincorporated El Dorado County (Remainder Area)	0	27,558	42,957	216	352	774	10	784	35.2
584.00	Unincorporated El Dorado County (Remainder Area)	0	1,744	2,090	56	18	40	3	43	40.8
585.00	Unincorporated El Dorado County (Remainder Area)	0	9,537	14,286	79	124	273	0	273	35.0
586.00	Unincorporated El Dorado County (Remainder Area)	0	5,845	2,473	1,584	51	91	92	183	32.0
587.00	Unincorporated El Dorado County (Remainder Area)	0	2,255	3,370	18	39	99	0	99	22.7
588.00	Unincorporated El Dorado County (Remainder Area)	0	19,579	29,808	128	323	805	0	805	24.3
589.00	Unincorporated El Dorado County (Remainder Area)	0	391	623	2	3	12	0	12	32.6
590.00	Unincorporated El Dorado County (Remainder Area)	0	819	1,117	12	18	46	0	46	18.0
591.00	Unincorporated El Dorado County (Remainder Area)	0	85	120	1	3	8	0	8	11.2
592.00	Unincorporated El Dorado County (Remainder Area)	0	12,576	12,896	753	339	749	91	840	15.0

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593.00	Unincorporated El Dorado County (Remainder Area)	0	6,832	8,858	269	151	382	28	410	16.6
594.00	Unincorporated El Dorado County (Remainder Area)	0	16,745	24,354	185	312	790	5	795	21.1
595.00	Unincorporated El Dorado County (Remainder Area)	0	1,928	1,794	269	25	56	31	87	22.1
596.00	Unincorporated El Dorado County (Remainder Area)	0	2,815	2,733	225	34	85	25	110	25.6
597.00	Unincorporated El Dorado County (Remainder Area)	0	11,036	3,912	1,951	106	234	278	512	21.5
598.00	Unincorporated El Dorado County (Remainder Area)	0	1,724	529	264	14	31	35	66	26.1
599.00	Unincorporated El Dorado County (Remainder Area)	0	701	944	11	17	38	0	38	18.7
600.00	Unincorporated El Dorado County (Remainder Area)	0	11,160	10,798	1,291	205	453	130	583	19.1
601.00	Unincorporated El Dorado County (Remainder Area)	0	1,333	1,886	4	10	22	0	22	60.6
602.00	Unincorporated El Dorado County (Remainder Area)	0	435	135	54	3	5	2	7	59.3
603.00	Unincorporated El Dorado County (Remainder Area)	0	904	716	85	11	20	2	22	41.9
604.00	Unincorporated El Dorado County (Remainder Area)	0	1,415	1,764	111	17	33	3	36	39.2
605.00	Unincorporated El Dorado County (Remainder Area)	0	1,671	1,764	88	18	38	2	40	41.8
606.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
607.00	Unincorporated El Dorado County (Remainder Area)	0	3,522	4,823	12	19	49	0	49	71.3
608.00	Unincorporated El Dorado County (Remainder Area)	0	6	0	0	1	2	0	2	2.9
609.00	Unincorporated El Dorado County (Remainder Area)	0	3,012	3,135	119	34	72	4	76	39.8
610.00	El Dorado Hills	0	38,194	185	19,843	0	0	1,745	1,745	21.9
611.00	El Dorado Hills	0	313	0	10	153	0	1	1	312.9
612.00	El Dorado Hills	0	78,749	0	43,698	0	0	3,121	3,121	25.2
613.00	Unincorporated El Dorado County (Remainder Area)	0	71	67	1	2	5	0	5	13.7
614.00	El Dorado Hills	0	5,965	7,147	112	150	383	0	383	15.6
615.00	El Dorado Hills	0	12,047	9,071	1,006	150	402	75	477	25.2
616.00	El Dorado Hills	0	1,378	1,655	24	37	94	0	94	14.7
617.00	El Dorado Hills	0	20,542	12,757	1,218	187	547	118	665	30.9
618.00	El Dorado Hills	0	3,094	0	1,217	0	0	146	146	21.2
619.00	El Dorado Hills	0	3,376	0	1,233	0	0	151	151	22.4
620.00	El Dorado Hills	0	17,502	3,500	1,743	0	0	188	188	93.1
621.00	El Dorado Hills	0	14,248	18,797	220	327	957	0	957	14.9
622.00	El Dorado Hills	0	21,799	21,526	1,609	370	1,083	147	1,230	17.7
623.00	Unincorporated El Dorado County (Remainder Area)	0	390	0	176	0	0	16	16	24.4
624.00	El Dorado Hills	0	15,662	17,655	1,150	308	905	96	1,001	15.7
625.00	El Dorado Hills	0	848	0	406	0	0	40	40	21.2
626.00	Unincorporated El Dorado County (Remainder Area)	0	7,948	7,372	844	164	383	98	481	16.5
627.00	Unincorporated El Dorado County (Remainder Area)	0	51,430	0	10,390	0	0	897	897	57.3
628.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
629.00	Unincorporated El Dorado County (Remainder Area)	0	33,171	0	11,276	0	0	1,704	1,704	19.5
630.00	Unincorporated El Dorado County (Remainder Area)	0	171,479	237,078	1,520	4,036	11,894	0	11,894	14.4
631.00	Unincorporated El Dorado County (Remainder Area)	0	10,012	0	1,327	0	0	146	146	68.6
632.00	Unincorporated El Dorado County (Remainder Area)	0	1,447	1,751	24	37	94	0	94	15.5
633.00	Unincorporated El Dorado County (Remainder Area)	0	6,284	7,523	118	150	379	0	379	16.6
634.00	Unincorporated El Dorado County (Remainder Area)	0	6,753	8,006	119	150	379	0	379	17.8
635.00	Unincorporated El Dorado County (Remainder Area)	0	5,121	6,038	92	113	286	0	286	17.9
636.00	Unincorporated El Dorado County (Remainder Area)	0	4,500	6,210	79	120	322	0	322	14.0
637.00	Unincorporated El Dorado County (Remainder Area)	0	8,114	9,953	138	171	458	0	458	17.7
638.00	Unincorporated El Dorado County (Remainder Area)	0	1,044	1,274	16	23	62	0	62	16.9
639.00	Unincorporated El Dorado County (Remainder Area)	0	2,265	2,813	36	46	123	0	123	18.4
640.00	Unincorporated El Dorado County (Remainder Area)	0	7,902	9,806	125	176	472	0	472	16.7
641.00	Unincorporated El Dorado County (Remainder Area)	0	2,102	2,626	33	46	123	0	123	17.0
642.00	Unincorporated El Dorado County (Remainder Area)	0	28,365	33,524	1,260	637	1,708	93	1,801	15.8
643.00	Unincorporated El Dorado County (Remainder Area)	0	9,646	12,013	161	216	579	0	579	16.7
644.00	Unincorporated El Dorado County (Remainder Area)	0	2,932	3,692	47	76	194	0	194	15.1
645.00	Unincorporated El Dorado County (Remainder Area)	0	21,307	24,746	976	415	1,059	51	1,110	19.2
646.00	Unincorporated El Dorado County (Remainder Area)	0	8,856	11,030	158	192	490	0	490	18.1
647.00	Unincorporated El Dorado County (Remainder Area)	0	1,590	1,903	69	38	97	6	103	15.4
648.00	Unincorporated El Dorado County (Remainder Area)	0	1,819	2,179	47	38	97	2	99	18.4
649.00	Unincorporated El Dorado County (Remainder Area)	0	5,630	3,177	33	38	97	0	97	58.1
650.00	Outside of County	0	3,034,134	1,489,317	477,589	0	0	0	0	-
651.00	Outside of County	0	28,623	14,269	4,369	0	0	0	0	-
652.00	Outside of County	0	0	0	0	0	0	0	0	-
653.00	Outside of County	0	393,928	159,480	52,736	0	0	0	0	-
654.00	Outside of County	0	56,590	9,103	2,989	0	0	0	0	-
655.00	Outside of County	0	271,339	107,482	35,856	0	0	0	0	-
656.00	Outside of County	0	77,624	18,075	8,872	0	0	0	0	-
657.00	Outside of County	0	186,839	8,181	3,920	0	0	0	0	-
658.00	Outside of County	0	0	0	0	0	0	0	0	-
659.00	Outside of County	0	7,643	3,120	1,477	0	0	0	0	-
660.00	Outside of County	0	166,245	81,598	32,140	0	0	0	0	-
661.00	Outside of County	0	158,208	71,381	26,158	0	0	0	0	-
662.00	Outside of County	0	705,276	337,760	120,468	0	0	0	0	-
663.00	Outside of County	0	683,623	227,081	81,570	0	0	0	0	-
664.00	Outside of County	0	350,544	190,597	56,570	0	0	0	0	-
665.00	Outside of County	0	200,847	79,886	31,722	0	0	0	0	-
666.00	Outside of County	0	89,165	45,236	14,720	0	0	0	0	-

VMT Summary by Jurisdiction - 2018 Baseline Scenario (Plus Project) With VMVSP

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
667.00	Outside of County	0	0	0	0	0	0	0	0	-
668.00	Outside of County	0	513,304	313,133	0	0	0	0	0	-
669.00	Outside of County	0	0	0	0	0	0	0	0	-
670.00	Outside of County	0	0	0	0	0	0	0	0	-
671.00	Outside of County	0	170,817	95,951	24,373	0	0	0	0	-
672.00	Outside of County	0	33,249	34,265	0	0	0	0	0	-
673.00	Outside of County	0	24,884	14,880	0	0	0	0	0	-
674.00	Outside of County	0	355,365	29,832	0	0	0	0	0	-

VMT Summary by Jurisdiction - 2040 Baseline Scenario (Plus Project) With VMVSP

	VMT Estimates			VMT Efficiency Metrics			Population Details				
Jurisdiction	Total OD VMT	Home-based PA VMT	Home-based Work PA VMT	Total VMT per Service Population	Home-based VMT per Capita	Home-based Work VMT per Employee	Total Households	Total Population	Total Employment	Total Service Population	Persons Per Household
City of Placerville	406,053	62,536	106,932	24.9	8.2	12.4	3,429	7,658	8,649	16,307	2.23
Unincorporated El Dorado County	5,184,124	3,291,589	682,856	20.6	17.0	11.7	77,128	193,808	58,263	252,071	2.51
629	28,349	0	10,881	16.64		6.4	0	0	1,704	1,704	
630	129,009	173,395	1,604	10.85	14.6		4,036	11,894	0	11,894	2.95
631	9,086	0	1,285	62.23		8.8	0	0	146	146	
				Threshold	14.5	10.2					

VMT Summary by Jurisdiction - 2040 Baseline Scenario (Plus Project) With VMVSP

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
1.00	Unincorporated El Dorado County (Remainder Area)	0	5,624	1,750	832	47	99	36	135	41.7
2.00	Unincorporated El Dorado County (Remainder Area)	0	23,150	24,202	886	592	1,338	77	1,415	16.4
3.00	Unincorporated El Dorado County (Remainder Area)	0	5,312	6,565	99	74	180	0	180	29.6
4.00	Unincorporated El Dorado County (Remainder Area)	0	1,062	1,358	17	16	35	0	35	30.6
5.00	Unincorporated El Dorado County (Remainder Area)	0	2,580	3,576	27	33	73	0	73	35.4
6.00	Unincorporated El Dorado County (Remainder Area)	0	13,784	15,852	512	366	847	14	861	16.0
7.00	Unincorporated El Dorado County (Remainder Area)	0	24,169	26,512	1,368	565	1,223	92	1,315	18.4
8.00	Unincorporated El Dorado County (Remainder Area)	0	11,351	571	1,993	15	38	129	167	68.1
9.00	Unincorporated El Dorado County (Remainder Area)	0	25,164	30,453	635	559	1,400	13	1,413	17.8
10.00	Outside of County	0	109,106	88,412	11,325	2,178	5,588	1,056	6,644	16.4
11.00	Outside of County	0	112,738	81,485	13,798	2,148	5,511	1,297	6,808	16.6
12.00	Outside of County	0	59,290	45,329	4,901	1,179	3,234	437	3,671	16.2
13.00	Outside of County	0	34,715	40,288	1,552	906	2,458	99	2,557	13.6
14.00	Outside of County	0	58,741	67,945	1,718	1,511	4,120	78	4,198	14.0
15.00	Outside of County	0	3,061	3,933	60	58	166	0	166	18.5
16.00	Outside of County	0	56,424	21,886	7,596	659	1,614	689	2,303	24.5
17.00	Outside of County	0	162,056	140,539	14,408	2,811	7,160	1,363	8,523	19.0
18.00	Outside of County	0	84,460	95,778	3,722	1,930	4,652	246	4,898	17.2
19.00	Outside of County	0	10,477	5,859	1,118	96	217	103	320	32.7
20.00	Outside of County	0	7,678	141	4,168	2	7	283	290	26.5
21.00	Outside of County	0	26,389	72	13,880	2	4	1,082	1,086	24.3
22.00	Outside of County	0	1,698	10	344	1	1	21	22	77.2
23.00	Outside of County	0	29,399	12,838	3,756	115	322	261	583	50.4
24.00	Outside of County	0	4,210	3,085	143	133	133	0	133	31.7
25.00	Outside of County	0	0	0	0	0	0	0	0	-
26.00	Outside of County	0	109,411	102,230	8,147	2,238	5,070	642	5,712	19.2
27.00	Outside of County	0	8,243	75	3,101	2	5	338	343	24.0
28.00	Outside of County	0	240,799	199,899	17,577	4,828	12,553	1,923	14,476	16.6
29.00	Outside of County	0	8,625	10,939	166	170	486	0	486	17.8
30.00	Outside of County	0	70,891	72,738	5,954	1,194	3,041	368	3,409	20.8
31.00	Outside of County	0	10,481	5,410	615	41	106	44	150	69.7
32.00	Outside of County	0	29,808	38,411	704	692	1,811	21	1,832	16.3
33.00	Outside of County	0	38,381	47,539	1,402	857	2,183	69	2,252	17.0
34.00	Outside of County	0	6,134	5,951	715	69	156	32	188	32.6
35.00	Outside of County	0	30,559	36,650	789	812	2,092	0	2,092	14.6
36.00	Outside of County	0	37,091	44,426	922	910	2,318	0	2,318	16.0
37.00	Outside of County	0	58,639	2,544	22,444	57	142	1,643	1,785	32.9
38.00	Outside of County	0	6,754	3,907	647	57	142	45	187	36.2
39.00	Outside of County	0	17,068	14,581	2,145	514	1,180	181	1,361	12.5
40.00	Outside of County	0	76,427	22,241	16,458	851	1,972	1,905	3,877	19.7
41.00	Outside of County	0	35,534	24,409	7,744	592	1,368	567	1,935	18.4
42.00	Outside of County	0	176,649	97,755	25,152	2,081	5,108	1,911	7,019	25.2
43.00	Outside of County	0	34,551	40,132	995	849	2,170	46	2,216	15.6
44.00	Outside of County	0	111,038	81,222	9,045	1,827	4,654	791	5,445	20.4
45.00	Outside of County	0	72,948	23,200	12,252	846	1,936	1,262	3,198	22.8
46.00	Outside of County	0	5,915	6,377	153	164	375	0	375	15.8
47.00	Outside of County	0	202,165	9,362	81,385	284	681	5,991	6,672	30.3
48.00	Outside of County	0	48,530	43,032	3,836	1,211	3,071	266	3,337	14.5
49.00	Outside of County	0	110,560	583	50,427	18	45	4,248	4,293	25.8
50.00	Outside of County	0	73,508	36,106	22,298	981	2,487	1,736	4,223	17.4
51.00	Outside of County	0	98,590	51,595	16,015	1,710	4,116	1,373	5,489	18.0
52.00	Outside of County	0	31,025	15,386	3,243	279	629	279	908	34.2
53.00	Outside of County	0	79,716	48,506	11,134	1,399	3,606	983	4,589	17.4
54.00	Outside of County	0	60,178	22,253	22,768	494	1,220	1,748	2,968	20.3
55.00	Outside of County	0	77,365	30,085	14,192	639	1,471	1,127	2,598	29.8
56.00	Outside of County	0	35,894	40,130	1,311	872	2,337	56	2,393	15.0
57.00	Outside of County	0	106,240	24,086	46,766	660	1,466	4,152	5,618	18.9
58.00	Outside of County	0	36,194	26,079	4,529	613	1,587	352	1,939	18.7
59.00	Outside of County	0	45,345	88	27,418	2	5	2,191	2,196	20.6
60.00	Outside of County	0	68,310	8,152	31,474	240	512	2,711	3,223	21.2
61.00	Outside of County	0	140,552	85,934	22,975	2,381	5,595	1,810	7,405	19.0
62.00	Outside of County	0	51,934	1,897	24,238	33	110	2,000	2,110	24.6
63.00	Outside of County	0	66,482	5,285	27,738	143	350	2,462	2,812	23.6
64.00	Outside of County	0	129,291	73,204	21,166	2,031	5,053	1,733	6,786	19.1
65.00	Outside of County	0	5,611	6,317	128	127	328	0	328	17.1
66.00	Outside of County	0	37,898	28,183	4,289	887	2,117	331	2,448	15.5
67.00	Outside of County	0	117,946	21,861	39,582	633	1,374	3,381	4,755	24.8
68.00	Outside of County	0	38,891	12,470	11,079	453	946	1,002	1,948	20.0
69.00	Outside of County	0	241,408	68,697	97,921	1,950	5,172	7,364	12,536	19.3
70.00	Outside of County	0	161,693	1,074	97,965	15	38	7,503	7,541	21.4
71.00	Outside of County	0	217,751	130,794	32,824	2,596	6,730	2,417	9,147	23.8
72.00	Outside of County	0	272,171	779	157,690	0	0	10,084	10,084	27.0
73.00	Outside of County	0	97,047	0	61,480	0	0	4,612	4,612	21.0
74.00	Outside of County	0	135,115	17,125	67,050	546	1,335	5,255	6,590	20.5

VMT Summary by Jurisdiction - 2040 Baseline Scenario (Plus Project) With VMVSP

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
75.00	Outside of County	0	84,402	61,750	17,303	1,946	4,535	1,072	5,607	15.1
76.00	Outside of County	0	27,808	16,801	3,897	497	1,333	313	1,646	16.9
77.00	Outside of County	0	81,346	41,801	19,777	1,068	2,684	1,384	4,068	20.0
78.00	Outside of County	0	71,158	0	20,656	1	2	1,777	1,779	40.0
79.00	Outside of County	0	75,839	57,107	9,446	1,345	3,258	620	3,878	19.6
80.00	Outside of County	0	33,766	0	16,549	0	0	1,306	1,306	25.9
81.00	Outside of County	0	179,958	0	101,949	0	0	7,809	7,809	23.0
82.00	Outside of County	0	52,734	0	26,645	0	0	2,171	2,171	24.3
83.00	Outside of County	0	51,709	34,787	6,864	590	1,536	460	1,996	25.9
84.00	Outside of County	0	51,683	41,492	4,136	1,305	3,049	306	3,355	15.4
85.00	Outside of County	0	55,225	46,081	4,735	1,261	3,154	354	3,508	15.7
86.00	Outside of County	0	85,245	60,638	8,360	1,996	4,538	681	5,219	16.3
87.00	Outside of County	0	63,593	50,388	7,606	1,845	3,996	613	4,609	13.8
88.00	Outside of County	0	71,255	41,916	8,359	1,184	2,955	696	3,651	19.5
89.00	Outside of County	0	18,805	0	6,115	0	0	455	455	41.3
90.00	Outside of County	0	57,500	1,993	28,437	92	157	2,453	2,610	22.0
91.00	Outside of County	0	99,584	13,367	36,796	389	997	3,846	4,843	20.6
92.00	Outside of County	0	50,913	47,398	2,510	1,234	2,964	133	3,097	16.4
93.00	Outside of County	0	93,320	64,753	18,789	1,374	3,459	1,484	4,943	18.9
94.00	Outside of County	0	1,129	102	466	2	4	41	45	25.1
95.00	Outside of County	0	120,399	0	64,125	0	0	4,542	4,542	26.5
96.00	Outside of County	0	161,704	53,465	54,941	1,026	2,520	3,884	6,404	25.2
97.00	Outside of County	0	57,270	50,897	4,578	1,030	2,624	349	2,973	19.3
98.00	Outside of County	0	84,955	13,241	27,596	375	984	2,705	3,689	23.0
99.00	Outside of County	0	71,352	27,567	23,322	806	1,976	2,391	4,367	16.3
100.00	Outside of County	0	21,386	26,670	449	470	1,178	0	1,178	18.2
101.00	Outside of County	0	54,721	41,251	8,982	869	2,253	822	3,075	17.8
102.00	Outside of County	0	22,245	5,117	6,272	92	237	467	704	31.6
103.00	Outside of County	0	96,086	105,955	4,099	2,474	5,823	281	6,104	15.7
104.00	Outside of County	0	60,436	9,053	13,167	184	451	868	1,319	45.8
105.00	Outside of County	0	40,665	51,874	901	1,011	2,513	10	2,523	16.1
106.00	Outside of County	0	6,860	0	3,220	0	0	283	283	24.2
107.00	Outside of County	0	298,373	40,203	95,559	1,362	3,008	7,445	10,453	28.5
108.00	Outside of County	0	27,147	16,933	5,767	370	988	479	1,467	18.5
109.00	Outside of County	0	16,716	0	7,451	0	0	563	563	29.7
110.00	Outside of County	0	62,460	8,653	29,008	209	495	2,207	2,702	23.1
111.00	Outside of County	0	82,311	7,408	15,499	223	512	1,049	1,561	52.7
112.00	Outside of County	0	134,453	30,416	27,153	763	2,056	2,119	4,175	32.2
113.00	Outside of County	0	53,931	118	23,933	0	0	2,386	2,386	22.6
114.00	Outside of County	0	36,115	29,527	6,468	809	2,141	572	2,713	13.3
115.00	Outside of County	0	153,688	86,293	20,950	1,900	4,875	1,584	6,459	23.8
116.00	Outside of County	0	2,999	0	1,496	0	0	116	116	25.9
117.00	Outside of County	0	52,007	17,396	15,470	327	920	1,448	2,368	22.0
118.00	Outside of County	0	76,881	81,031	3,278	2,338	6,182	191	6,373	12.1
119.00	Outside of County	0	133,946	7,134	62,518	216	540	6,222	6,762	19.8
120.00	Outside of County	0	177,289	0	43,571	0	0	4,669	4,669	38.0
121.00	Outside of County	0	137,700	48,620	19,652	1,513	3,882	1,917	5,799	23.7
122.00	Outside of County	0	56,584	15,045	10,562	533	1,248	1,125	2,373	23.8
123.00	Outside of County	0	28,742	7,050	5,136	200	547	536	1,083	26.5
124.00	Outside of County	0	52,639	47,545	2,808	1,044	2,229	168	2,397	22.0
125.00	Outside of County	0	27,920	9,863	5,621	414	817	583	1,400	19.9
126.00	Outside of County	0	16,124	4,753	2,925	156	342	274	616	26.2
127.00	Outside of County	0	38,494	33,256	2,403	870	1,855	169	2,024	19.0
128.00	Outside of County	0	65,758	46,577	6,842	1,262	2,600	538	3,138	21.0
129.00	Outside of County	0	41,134	43,154	1,839	1,045	2,302	117	2,419	17.0
130.00	Outside of County	0	21,100	9,185	2,704	342	786	298	1,084	19.5
131.00	Outside of County	0	47,461	14,588	11,415	494	1,013	1,272	2,285	20.8
132.00	Outside of County	0	27,872	22,972	2,783	556	1,258	235	1,493	18.7
133.00	Outside of County	0	119,385	58,472	14,686	2,077	5,182	1,628	6,810	17.5
134.00	Outside of County	0	61,733	30,055	18,336	1,074	2,483	1,578	4,061	15.2
135.00	Outside of County	0	50,392	0	27,832	0	0	2,740	2,740	18.4
136.00	Outside of County	0	25,855	27,658	1,382	661	1,688	93	1,781	14.5
137.00	Outside of County	0	112,596	102,679	7,083	2,426	6,986	595	7,581	14.9
138.00	El Dorado Diamond Springs	0	21,893	6,076	4,344	264	577	297	874	25.1
139.00	El Dorado Diamond Springs	0	10,568	1,337	1,715	67	144	156	300	35.2
140.00	El Dorado Diamond Springs	0	57,032	127	10,320	10	22	811	833	68.5
141.00	Unincorporated El Dorado County (Remainder Area)	0	1,499	1,681	28	21	49	0	49	30.5
142.00	Unincorporated El Dorado County (Remainder Area)	0	6,598	6,512	172	156	347	0	347	19.0
143.00	Unincorporated El Dorado County (Remainder Area)	0	4,213	3,317	257	108	240	12	252	16.7
144.00	Unincorporated El Dorado County (Remainder Area)	0	4,027	3,562	344	80	200	21	221	18.2
145.00	Unincorporated El Dorado County (Remainder Area)	0	742	646	25	30	70	0	70	10.6
146.00	El Dorado Diamond Springs	0	6,258	2,336	1,113	114	261	98	359	17.4
147.00	El Dorado Diamond Springs	0	3,733	3,546	132	165	378	0	378	9.9
148.00	Outside of County	0	155,502	185,601	5,473	2,264	5,302	120	5,422	28.7

VMT Summary by Jurisdiction - 2040 Baseline Scenario (Plus Project) With VMVSP

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
149.00	Shingle Springs	0	16,255	1,789	3,467	53	149	287	436	37.3
150.00	Unincorporated El Dorado County (Remainder Area)	0	6,074	6,926	131	107	254	0	254	23.9
151.00	Unincorporated El Dorado County (Remainder Area)	0	1,347	1,787	19	23	67	0	67	20.2
152.00	Shingle Springs	0	33,388	6,269	5,133	201	488	370	858	38.9
153.00	Unincorporated El Dorado County (Remainder Area)	0	8,553	8,173	247	290	623	0	623	13.7
154.00	Unincorporated El Dorado County (Remainder Area)	0	6,915	7,371	179	254	597	0	597	11.6
155.00	Shingle Springs	0	5,230	5,733	132	154	406	0	406	12.9
156.00	Unincorporated El Dorado County (Remainder Area)	0	2,068	2,342	58	27	68	1	69	30.0
157.00	El Dorado Hills	0	8,745	11,103	165	273	790	0	790	11.1
158.00	Cameron Park	0	17,629	19,348	487	624	1,431	11	1,442	12.2
159.00	Cameron Park	0	15,484	15,058	1,405	446	1,082	114	1,196	12.9
160.00	Shingle Springs	0	18,375	17,008	1,138	504	1,223	70	1,293	14.2
161.00	El Dorado Hills	0	11,120	14,224	189	290	754	0	754	14.8
162.00	El Dorado Hills	0	57,990	78,910	861	1,503	4,465	0	4,465	13.0
163.00	El Dorado Hills	0	36,152	7,694	4,785	165	490	438	928	39.0
164.00	El Dorado Hills	0	60,831	0	32,034	0	0	3,124	3,124	19.5
165.00	El Dorado Hills	0	17,599	20,988	420	551	1,369	0	1,369	12.9
166.00	Outside of County	0	28,968	30,845	1,007	766	1,965	50	2,015	14.4
167.00	El Dorado Hills	0	48,017	46,814	2,336	1,520	3,531	111	3,641	13.2
168.00	El Dorado Hills	0	27,171	30,220	1,070	1,133	2,632	35	2,667	10.2
169.00	El Dorado Hills	0	117,455	5,729	25,349	208	517	2,484	3,001	39.1
170.00	El Dorado Hills	0	46,564	738	23,376	26	65	2,562	2,627	17.7
171.00	El Dorado Hills	0	16,495	16,594	1,055	441	1,081	68	1,148	14.4
172.00	El Dorado Hills	0	9,361	0	1,676	0	0	158	158	59.2
173.00	El Dorado Hills	0	46,000	0	11,009	0	0	1,140	1,140	40.4
174.00	Unincorporated El Dorado County (Remainder Area)	0	3,882	1,499	1,088	15	38	54	92	42.3
175.00	Unincorporated El Dorado County (Remainder Area)	0	2,618	636	487	10	24	22	46	57.3
176.00	Unincorporated El Dorado County (Remainder Area)	0	3,246	3,685	69	58	137	0	137	23.6
177.00	Unincorporated El Dorado County (Remainder Area)	0	11,156	8,680	1,806	147	370	130	500	22.3
178.00	Unincorporated El Dorado County (Remainder Area)	0	4,936	5,691	138	87	223	3	226	21.9
179.00	Unincorporated El Dorado County (Remainder Area)	0	705	914	11	21	55	0	55	12.9
180.00	El Dorado Hills	0	17,244	21,866	299	450	1,155	0	1,155	14.9
181.00	El Dorado Hills	0	6,656	5,385	620	120	315	61	376	17.7
182.00	Cameron Park	0	39,433	49,275	711	1,244	3,262	0	3,262	12.1
183.00	Unincorporated El Dorado County (Remainder Area)	0	10,721	12,433	235	354	832	0	832	12.9
184.00	Cameron Park	0	36,655	16,348	4,051	417	1,093	425	1,518	24.1
185.00	Cameron Park	0	3,871	4,530	78	152	349	0	349	11.1
186.00	Cameron Park	0	46,773	4,805	7,975	170	390	896	1,286	36.4
187.00	Cameron Park	0	10,491	7,418	1,125	247	566	104	670	15.6
188.00	Cameron Park	0	6,529	5,836	560	213	489	49	538	12.1
189.00	Unincorporated El Dorado County (Remainder Area)	0	2,498	3,195	40	36	100	0	100	24.9
190.00	Unincorporated El Dorado County (Remainder Area)	0	10,486	13,396	184	255	712	0	712	14.7
191.00	El Dorado Hills	0	1,445	1,835	24	39	109	0	109	13.3
192.00	El Dorado Hills	0	872	1,096	14	25	69	0	69	12.6
193.00	El Dorado Hills	0	14,261	5,336	3,636	156	406	361	768	18.6
194.00	El Dorado Hills	0	15,142	19,697	266	439	1,297	0	1,297	11.7
195.00	El Dorado Hills	0	9,053	473	2,031	10	26	176	203	44.7
196.00	Outside of County	0	52,639	60,013	1,737	1,148	3,198	97	3,295	16.0
197.00	El Dorado Hills	0	3,209	3,949	56	85	225	0	225	14.3
198.00	El Dorado Hills	0	69,170	39,322	6,125	887	2,476	623	3,099	22.3
199.00	El Dorado Hills	0	11,363	2,897	1,636	62	173	143	316	36.0
200.00	El Dorado Hills	0	6,413	308	1,237	7	19	121	140	46.0
201.00	El Dorado Hills	0	20,685	6,837	2,778	150	443	269	712	29.0
202.00	El Dorado Hills	0	37,656	35,652	2,138	762	2,127	169	2,296	16.4
203.00	El Dorado Hills	0	52,142	66,682	1,133	1,300	3,762	43	3,805	13.7
204.00	El Dorado Hills	0	17,189	16,340	631	362	1,048	48	1,096	15.7
205.00	El Dorado Hills	0	502	0	242	0	0	30	30	16.7
206.00	El Dorado Hills	0	1,641	2,104	28	51	148	0	148	11.1
207.00	El Dorado Hills	0	13,046	16,721	221	304	880	0	880	14.8
208.00	Unincorporated El Dorado County (Remainder Area)	0	328	430	5	9	26	0	26	12.6
209.00	El Dorado Hills	0	11,580	4,482	1,420	88	254	118	372	31.1
210.00	El Dorado Hills	0	6,370	8,190	109	162	479	0	479	13.3
211.00	Unincorporated El Dorado County (Remainder Area)	0	136	179	2	4	11	0	11	12.0
212.00	El Dorado Hills	0	2,423	3,149	39	53	153	0	153	15.8
213.00	Unincorporated El Dorado County (Remainder Area)	0	9,286	11,964	154	193	534	0	534	17.4
214.00	Unincorporated El Dorado County (Remainder Area)	0	2,330	3,349	32	31	76	0	76	30.9
215.00	El Dorado Hills	0	6,838	8,676	122	148	413	0	413	16.6
216.00	Unincorporated El Dorado County (Remainder Area)	0	1,751	2,456	26	23	56	0	56	31.2
217.00	Unincorporated El Dorado County (Remainder Area)	0	593	768	9	11	31	0	31	19.3
218.00	Unincorporated El Dorado County (Remainder Area)	0	1,526	1,911	26	28	78	0	78	19.5
219.00	Unincorporated El Dorado County (Remainder Area)	0	3,947	5,016	68	69	191	0	191	20.7
220.00	Unincorporated El Dorado County (Remainder Area)	0	477	641	6	9	25	0	25	19.2
221.00	El Dorado Hills	0	37,321	48,941	557	999	2,596	0	2,596	14.4
222.00	Cameron Park	0	2,153	1,472	414	34	90	58	148	14.5

VMT Summary by Jurisdiction - 2040 Baseline Scenario (Plus Project) With VMVSP

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
223.00	Cameron Park	0	5,560	7,210	77	174	461	0	461	12.0
224.00	Unincorporated El Dorado County (Remainder Area)	0	8,648	7,500	497	144	382	37	419	20.6
225.00	Unincorporated El Dorado County (Remainder Area)	0	23,156	10,985	2,947	147	424	277	702	33.0
226.00	Cameron Park	0	27,494	27,228	1,218	550	1,591	118	1,709	16.1
227.00	Cameron Park	0	8,758	11,217	204	281	689	10	699	12.5
228.00	Cameron Park	0	20,730	25,566	501	724	1,775	25	1,800	11.5
229.00	El Dorado Hills	0	40,428	34,366	2,195	793	2,061	237	2,298	17.6
230.00	El Dorado Hills	0	22,135	27,497	304	557	1,655	0	1,655	13.4
231.00	Unincorporated El Dorado County (Remainder Area)	0	4,947	6,669	68	134	388	0	388	12.8
232.00	Unincorporated El Dorado County (Remainder Area)	0	4,625	6,001	73	87	241	0	241	19.2
233.00	Cameron Park	0	8,404	3,721	733	116	266	100	366	23.0
234.00	Cameron Park	0	55,233	34,183	4,952	1,085	2,488	670	3,158	17.5
235.00	Cameron Park	0	42,848	55,716	618	1,322	3,580	2	3,582	12.0
236.00	Cameron Park	0	14,836	19,597	255	473	1,281	9	1,290	11.5
237.00	Cameron Park	0	2,255	2,698	43	78	179	0	179	12.6
238.00	Cameron Park	0	39,279	15,534	5,191	415	1,018	527	1,545	25.4
239.00	Cameron Park	0	2,368	3,404	34	86	228	0	228	10.4
240.00	Unincorporated El Dorado County (Remainder Area)	0	6,780	8,583	108	137	363	0	363	18.7
241.00	Cameron Park	0	14,902	7,684	1,260	181	480	151	631	23.6
242.00	Cameron Park	0	708	921	9	24	64	0	64	11.1
243.00	Cameron Park	0	2,042	2,632	32	61	162	1	163	12.5
244.00	Unincorporated El Dorado County (Remainder Area)	0	3,036	3,770	57	51	128	0	128	23.8
245.00	Unincorporated El Dorado County (Remainder Area)	0	789	1,019	11	10	30	0	30	26.3
246.00	Unincorporated El Dorado County (Remainder Area)	0	4,054	5,385	56	63	189	0	189	21.4
247.00	Unincorporated El Dorado County (Remainder Area)	0	13,690	14,379	355	296	636	0	636	21.5
248.00	Unincorporated El Dorado County (Remainder Area)	0	13,363	10,566	941	182	431	39	470	28.4
249.00	Unincorporated El Dorado County (Remainder Area)	0	3,343	1,856	531	26	56	25	81	41.3
250.00	Unincorporated El Dorado County (Remainder Area)	0	2,907	3,345	60	53	124	0	124	23.4
251.00	Unincorporated El Dorado County (Remainder Area)	0	5,674	6,346	134	139	363	0	363	15.6
252.00	Unincorporated El Dorado County (Remainder Area)	0	25,073	29,350	571	666	1,756	0	1,756	14.3
253.00	Unincorporated El Dorado County (Remainder Area)	0	7,632	9,093	157	149	410	0	410	18.6
254.00	Unincorporated El Dorado County (Remainder Area)	0	5,332	6,036	121	119	311	0	311	17.2
255.00	Cameron Park	0	61,757	0	14,146	0	0	1,405	1,405	43.9
256.00	Cameron Park	0	42,638	2,093	10,013	72	175	872	1,047	40.7
257.00	Shingle Springs	0	60,968	15,837	14,181	511	1,335	1,312	2,647	23.0
258.00	Unincorporated El Dorado County (Remainder Area)	0	2,163	2,590	40	36	99	0	99	21.8
259.00	Unincorporated El Dorado County (Remainder Area)	0	2,652	3,176	52	50	132	0	132	20.1
260.00	Shingle Springs	0	26,343	144	5,561	5	15	441	456	57.8
261.00	Shingle Springs	0	26,518	3,666	4,764	121	333	388	721	36.8
262.00	Shingle Springs	0	39,672	5,620	6,405	203	530	514	1,044	38.0
263.00	Shingle Springs	0	9,924	3,899	1,460	121	333	119	452	22.0
264.00	Shingle Springs	0	7,774	3,157	1,036	97	267	82	349	22.3
265.00	Unincorporated El Dorado County (Remainder Area)	0	1,979	2,252	43	44	116	0	116	17.1
266.00	Unincorporated El Dorado County (Remainder Area)	0	6,140	1,663	671	41	88	33	121	50.7
267.00	Unincorporated El Dorado County (Remainder Area)	0	8,730	10,103	219	240	633	0	633	13.8
268.00	Unincorporated El Dorado County (Remainder Area)	0	3,033	3,122	171	72	190	10	200	15.2
269.00	Unincorporated El Dorado County (Remainder Area)	0	13,574	9,336	1,448	217	558	81	639	21.2
270.00	Unincorporated El Dorado County (Remainder Area)	0	6,236	2,662	685	54	135	39	174	35.8
271.00	Unincorporated El Dorado County (Remainder Area)	0	9,935	10,077	736	172	442	50	492	20.2
272.00	Unincorporated El Dorado County (Remainder Area)	0	9,756	6,598	797	145	407	55	462	21.1
273.00	Unincorporated El Dorado County (Remainder Area)	0	7,566	9,066	377	138	400	22	422	17.9
274.00	Unincorporated El Dorado County (Remainder Area)	0	21,592	19,208	1,548	411	1,153	122	1,275	16.9
275.00	Unincorporated El Dorado County (Remainder Area)	0	14,861	17,370	334	379	971	0	971	15.3
276.00	Cameron Park	0	27,942	19,286	2,020	535	1,312	179	1,491	18.7
277.00	Cameron Park	0	4,984	5,932	98	176	427	0	427	11.7
278.00	Unincorporated El Dorado County (Remainder Area)	0	5,815	6,120	215	100	265	10	275	21.1
279.00	Unincorporated El Dorado County (Remainder Area)	0	2,989	3,836	50	55	146	0	146	20.5
280.00	Unincorporated El Dorado County (Remainder Area)	0	1,446	1,708	31	37	103	0	103	14.0
281.00	Unincorporated El Dorado County (Remainder Area)	0	4,886	4,263	422	85	238	28	266	18.3
282.00	Unincorporated El Dorado County (Remainder Area)	0	1,394	1,643	30	39	109	0	109	12.7
283.00	Shingle Springs	0	15,131	3,023	2,182	0	0	197	197	76.8
284.00	Shingle Springs	0	4,205	1,031	644	36	87	53	140	30.0
285.00	Unincorporated El Dorado County (Remainder Area)	0	13,892	2,771	2,921	53	154	233	387	35.9
286.00	Unincorporated El Dorado County (Remainder Area)	0	1,682	2,106	30	36	101	0	101	16.7
287.00	Unincorporated El Dorado County (Remainder Area)	0	1,403	1,706	27	34	87	0	87	16.1
288.00	Unincorporated El Dorado County (Remainder Area)	0	2,195	2,727	40	50	140	0	140	15.7
289.00	Unincorporated El Dorado County (Remainder Area)	0	323	425	5	8	23	0	23	13.9
290.00	Unincorporated El Dorado County (Remainder Area)	0	2,068	2,652	35	44	128	0	128	16.2
291.00	Unincorporated El Dorado County (Remainder Area)	0	12,461	15,778	240	254	647	0	647	19.3
292.00	Unincorporated El Dorado County (Remainder Area)	0	4,376	5,851	64	72	209	0	209	20.9
293.00	Unincorporated El Dorado County (Remainder Area)	0	1,294	1,294	36	41	90	0	90	14.4
294.00	Unincorporated El Dorado County (Remainder Area)	0	4,471	4,693	122	129	321	0	321	13.9
295.00	Unincorporated El Dorado County (Remainder Area)	0	61,656	4,993	22,314	110	282	1,540	1,822	33.8
296.00	El Dorado Diamond Springs	0	51,420	6,709	9,644	188	496	729	1,225	42.0

VMT Summary by Jurisdiction - 2040 Baseline Scenario (Plus Project) With VMVSP

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
297.00	Unincorporated El Dorado County (Remainder Area)	0	2,269	2,688	61	79	208	0	208	10.9
298.00	Unincorporated El Dorado County (Remainder Area)	0	2,837	3,102	71	79	208	0	208	13.6
299.00	Unincorporated El Dorado County (Remainder Area)	0	5,005	5,738	112	114	293	0	293	17.1
300.00	Unincorporated El Dorado County (Remainder Area)	0	1,727	1,917	42	45	116	0	116	14.9
301.00	Unincorporated El Dorado County (Remainder Area)	0	625	550	41	20	44	3	47	13.4
302.00	Unincorporated El Dorado County (Remainder Area)	0	3,891	2,616	209	89	194	10	204	19.0
303.00	El Dorado Diamond Springs	0	4,185	2,697	443	106	228	28	255	16.4
304.00	El Dorado Diamond Springs	0	8,267	285	2,655	12	26	269	296	28.0
305.00	El Dorado Diamond Springs	0	10,701	0	4,983	1	2	536	539	19.9
306.00	El Dorado Diamond Springs	0	7,898	3,161	1,353	128	275	110	386	20.5
307.00	El Dorado Diamond Springs	0	2,953	2,813	92	112	257	0	257	11.5
308.00	El Dorado Diamond Springs	0	239	244	6	12	28	0	28	8.7
309.00	El Dorado Diamond Springs	0	810	718	26	34	74	0	74	10.9
310.00	El Dorado Diamond Springs	0	13,800	637	2,515	29	66	220	286	48.2
311.00	El Dorado Diamond Springs	0	3,545	1,724	440	75	164	33	197	18.0
312.00	El Dorado Diamond Springs	0	9,925	6,788	980	310	711	71	782	12.7
313.00	El Dorado Diamond Springs	0	23,657	3,471	7,064	71	178	534	712	33.2
314.00	El Dorado Diamond Springs	0	10,527	2,497	1,460	100	249	103	352	29.9
315.00	Outside of County	0	0	0	0	0	0	0	0	-
316.00	El Dorado Diamond Springs	0	674	640	22	31	68	0	68	10.0
317.00	El Dorado Diamond Springs	0	140	126	4	8	17	0	17	8.0
318.00	Unincorporated El Dorado County (Remainder Area)	0	8,112	4,727	738	182	452	41	493	16.4
319.00	El Dorado Diamond Springs	0	1,396	1,284	45	57	143	0	143	9.8
320.00	Unincorporated El Dorado County (Remainder Area)	0	4,938	1,609	819	19	48	61	109	45.1
321.00	Unincorporated El Dorado County (Remainder Area)	0	5,213	6,139	139	116	295	2	297	17.5
322.00	Unincorporated El Dorado County (Remainder Area)	0	10,693	10,567	577	242	623	26	649	16.5
323.00	Unincorporated El Dorado County (Remainder Area)	0	8,286	3,751	1,853	67	172	139	311	26.6
324.00	Unincorporated El Dorado County (Remainder Area)	0	7,056	3,623	704	73	183	39	222	31.8
325.00	Unincorporated El Dorado County (Remainder Area)	0	718	833	16	20	51	0	51	14.1
326.00	Unincorporated El Dorado County (Remainder Area)	0	2,084	2,459	49	57	145	0	145	14.4
327.00	Placerville	0	3,212	3,492	83	84	210	0	210	15.3
328.00	Unincorporated El Dorado County (Remainder Area)	0	698	791	16	19	48	0	48	14.7
329.00	Placerville	0	4,823	4,831	142	156	360	0	360	13.4
330.00	Unincorporated El Dorado County (Remainder Area)	0	3,483	3,685	95	109	273	0	273	12.8
331.00	Unincorporated El Dorado County (Remainder Area)	0	6,127	6,965	142	130	325	0	325	18.9
332.00	Unincorporated El Dorado County (Remainder Area)	0	1,433	1,516	39	47	105	0	105	13.6
333.00	Unincorporated El Dorado County (Remainder Area)	0	3,928	4,478	89	91	225	0	225	17.5
334.00	Unincorporated El Dorado County (Remainder Area)	0	1,646	994	261	26	58	18	76	21.6
335.00	Unincorporated El Dorado County (Remainder Area)	0	2,805	3,004	74	76	163	0	163	17.2
336.00	Unincorporated El Dorado County (Remainder Area)	0	1,046	1,112	27	30	66	0	66	15.8
337.00	Unincorporated El Dorado County (Remainder Area)	0	10,255	6,033	1,784	124	304	128	432	23.7
338.00	Unincorporated El Dorado County (Remainder Area)	0	13,789	15,600	403	350	900	11	911	15.1
339.00	Unincorporated El Dorado County (Remainder Area)	0	9,219	11,875	147	224	508	0	508	18.2
340.00	Unincorporated El Dorado County (Remainder Area)	0	8,020	5,201	516	95	202	30	232	34.5
341.00	Unincorporated El Dorado County (Remainder Area)	0	1,628	1,537	175	34	75	16	91	18.0
342.00	Unincorporated El Dorado County (Remainder Area)	0	2,375	2,728	50	48	123	0	123	19.2
343.00	Unincorporated El Dorado County (Remainder Area)	0	4,973	5,763	92	78	177	0	177	28.1
344.00	Unincorporated El Dorado County (Remainder Area)	0	5,873	6,942	108	92	208	0	208	28.2
345.00	Unincorporated El Dorado County (Remainder Area)	0	2,018	2,127	40	34	77	0	77	26.2
346.00	Unincorporated El Dorado County (Remainder Area)	0	1,269	1,245	28	23	51	0	51	24.8
347.00	Unincorporated El Dorado County (Remainder Area)	0	2,647	3,127	50	42	108	0	108	24.5
348.00	Unincorporated El Dorado County (Remainder Area)	0	2,516	2,477	59	48	107	0	107	23.6
349.00	Unincorporated El Dorado County (Remainder Area)	0	8,172	4,855	584	94	193	34	227	35.9
350.00	Unincorporated El Dorado County (Remainder Area)	0	985	1,134	18	20	45	0	45	21.8
351.00	Unincorporated El Dorado County (Remainder Area)	0	1,462	1,835	23	31	70	0	70	20.8
352.00	Unincorporated El Dorado County (Remainder Area)	0	2,097	2,678	31	38	86	0	86	24.3
353.00	Unincorporated El Dorado County (Remainder Area)	0	10,631	10,167	520	200	453	43	496	21.4
354.00	Unincorporated El Dorado County (Remainder Area)	0	7,123	4,738	462	68	154	43	197	36.1
355.00	Placerville	1	27,317	5,110	5,015	257	594	387	981	27.8
356.00	Placerville	1	2,713	2,539	92	109	235	0	235	11.6
357.00	Unincorporated El Dorado County (Remainder Area)	0	8,087	4,214	740	133	294	42	336	24.0
358.00	Placerville	0	10,360	3,342	1,655	128	283	123	406	25.5
359.00	Unincorporated El Dorado County (Remainder Area)	0	3,539	3,676	95	105	247	0	247	14.3
360.00	Unincorporated El Dorado County (Remainder Area)	0	4,184	4,542	99	97	228	0	228	18.3
361.00	Placerville	1	27,109	9,993	4,667	570	1,189	370	1,558	17.4
362.00	Placerville	1	47,082	3,833	8,083	194	457	616	1,073	43.9
363.00	Unincorporated El Dorado County (Remainder Area)	0	415	424	12	19	48	0	48	8.6
364.00	Placerville	0	4,539	3,693	420	173	439	28	466	9.7
365.00	El Dorado Diamond Springs	0	24,341	9,296	3,021	541	1,147	223	1,370	17.8
366.00	El Dorado Diamond Springs	0	10,645	1,552	1,655	108	232	146	378	28.2
367.00	El Dorado Diamond Springs	0	7,174	0	3,576	0	0	398	398	18.0
368.00	El Dorado Diamond Springs	0	4,922	1,330	829	68	157	81	238	20.7
369.00	El Dorado Diamond Springs	0	14,229	8,807	1,431	485	1,088	114	1,202	11.8
370.00	El Dorado Diamond Springs	0	6,946	83	2,929	0	0	317	317	21.9

VMT Summary by Jurisdiction - 2040 Baseline Scenario (Plus Project) With VMVSP

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
371.00	El Dorado Diamond Springs	0	2,150	2,071	61	69	155	0	155	13.9
372.00	El Dorado Diamond Springs	0	28,892	14,143	3,170	559	1,254	296	1,550	18.6
373.00	El Dorado Diamond Springs	0	558	493	18	27	62	0	62	9.0
374.00	El Dorado Diamond Springs	0	1,048	275	117	14	32	10	42	24.8
375.00	El Dorado Diamond Springs	0	362	329	11	15	34	0	34	10.5
376.00	El Dorado Diamond Springs	0	1,494	723	220	34	78	17	95	15.7
377.00	El Dorado Diamond Springs	0	729	319	172	14	32	16	48	15.1
378.00	El Dorado Diamond Springs	0	547	514	16	27	62	0	62	8.8
379.00	El Dorado Diamond Springs	0	942	870	29	48	111	0	111	8.5
380.00	El Dorado Diamond Springs	0	197	185	6	12	28	0	28	7.1
381.00	El Dorado Diamond Springs	0	116	111	3	7	16	0	16	7.2
382.00	El Dorado Diamond Springs	0	222	183	8	11	25	0	25	8.8
383.00	Unincorporated El Dorado County (Remainder Area)	0	2,362	2,387	65	80	179	0	179	13.2
384.00	El Dorado Diamond Springs	0	4,511	4,451	125	174	390	0	390	11.6
385.00	El Dorado Diamond Springs	0	14,289	13,828	547	600	1,346	14	1,360	10.5
386.00	El Dorado Diamond Springs	0	2,241	2,233	61	90	202	0	202	11.1
387.00	El Dorado Diamond Springs	0	3,296	741	475	36	81	44	124	26.5
388.00	El Dorado Diamond Springs	0	5,469	0	2,619	0	0	278	278	19.7
389.00	El Dorado Diamond Springs	0	5,917	18	2,161	2	5	240	245	24.2
390.00	El Dorado Diamond Springs	0	7,358	4,832	744	311	670	54	724	10.2
391.00	El Dorado Diamond Springs	0	6,067	143	979	11	24	92	116	52.3
392.00	El Dorado Diamond Springs	0	1,016	473	89	28	60	5	66	15.5
393.00	El Dorado Diamond Springs	0	25,732	4,740	3,823	281	645	288	932	27.6
394.00	El Dorado Diamond Springs	0	6,156	111	2,064	8	18	168	186	33.1
395.00	Placerville	1	80,271	1,451	29,921	98	206	2,613	2,819	28.5
396.00	El Dorado Diamond Springs	0	30,758	0	5,567	0	0	425	425	72.4
397.00	El Dorado Diamond Springs	0	1,455	901	121	50	109	7	116	12.5
398.00	El Dorado Diamond Springs	0	1,157	264	145	14	32	11	43	26.7
399.00	El Dorado Diamond Springs	0	961	831	33	43	99	0	99	9.7
400.00	El Dorado Diamond Springs	0	7,368	210	1,245	16	35	97	132	56.0
401.00	Placerville	0	27,010	937	4,624	57	121	337	458	59.0
402.00	El Dorado Diamond Springs	0	4,681	2,559	1,038	137	344	103	447	10.5
403.00	El Dorado Diamond Springs	0	31,746	2,633	12,756	124	267	906	1,174	27.1
404.00	El Dorado Diamond Springs	0	1,735	301	335	19	44	32	76	22.9
405.00	El Dorado Diamond Springs	0	1,679	147	252	9	21	21	41	40.5
406.00	El Dorado Diamond Springs	0	26,334	383	4,415	24	55	339	395	66.7
407.00	El Dorado Diamond Springs	0	16,297	551	3,237	39	84	285	369	44.2
408.00	El Dorado Diamond Springs	0	5,535	0	2,392	1	2	279	281	19.7
409.00	Placerville	0	38,061	3,500	8,104	162	410	610	1,019	37.3
410.00	El Dorado Diamond Springs	0	40,405	14,256	5,652	602	1,418	423	1,840	22.0
411.00	Placerville	1	55,783	5,237	11,576	335	793	982	1,775	31.4
412.00	Unincorporated El Dorado County (Remainder Area)	0	3,444	3,290	106	114	271	0	271	12.7
413.00	Placerville	0	4,921	4,563	172	199	472	1	473	10.4
414.00	El Dorado Diamond Springs	0	20,211	92	5,394	7	15	561	576	35.1
415.00	Unincorporated El Dorado County (Remainder Area)	0	437	318	43	18	38	4	42	10.4
416.00	El Dorado Diamond Springs	0	267	128	55	9	19	7	26	10.2
417.00	Placerville	1	23,057	905	4,865	55	124	424	548	42.1
418.00	Placerville	1	5,555	0	1,398	0	0	130	130	42.7
419.00	Placerville	1	6,961	0	1,227	0	0	112	112	62.2
420.00	Placerville	1	5,307	962	1,341	56	132	117	249	21.3
421.00	Placerville	1	2,562	1,454	412	81	191	28	219	11.7
422.00	Placerville	1	67,968	5,169	31,651	303	714	2,392	3,106	21.9
423.00	Unincorporated El Dorado County (Remainder Area)	0	449	389	26	21	49	1	50	9.0
424.00	Placerville	0	25,730	5,338	4,481	252	582	351	934	27.6
425.00	Placerville	0	67,568	28,853	8,188	1,390	3,090	730	3,820	17.7
426.00	Placerville	0	706	721	19	32	80	0	80	8.8
427.00	Unincorporated El Dorado County (Remainder Area)	0	3,816	4,020	102	102	255	0	255	15.0
428.00	Unincorporated El Dorado County (Remainder Area)	0	551	581	14	22	55	0	55	10.0
429.00	Unincorporated El Dorado County (Remainder Area)	0	1,195	1,389	36	35	87	0	87	13.8
430.00	Unincorporated El Dorado County (Remainder Area)	0	3,100	2,000	553	59	146	44	190	16.3
431.00	Placerville	1	13,697	508	2,275	28	59	167	226	60.6
432.00	Unincorporated El Dorado County (Remainder Area)	0	15,652	10,554	3,148	363	900	241	1,140	13.7
433.00	Placerville	1	16,979	9,949	2,301	678	1,398	175	1,572	10.8
434.00	Placerville	1	831	635	31	44	95	0	95	8.8
435.00	Placerville	1	1,294	666	235	47	100	27	127	10.2
436.00	Unincorporated El Dorado County (Remainder Area)	0	1,148	1,166	50	32	79	2	81	14.3
437.00	Unincorporated El Dorado County (Remainder Area)	0	5,362	5,888	133	147	371	0	371	14.5
438.00	Unincorporated El Dorado County (Remainder Area)	0	5,840	4,232	513	143	303	32	335	17.4
439.00	Unincorporated El Dorado County (Remainder Area)	0	9,636	4,626	1,545	169	359	90	449	21.5
440.00	Unincorporated El Dorado County (Remainder Area)	0	5,968	859	1,591	31	66	111	177	33.7
441.00	Placerville	1	399	391	11	15	35	0	35	11.4
442.00	Placerville	1	13,594	9,826	983	350	882	56	939	14.5
443.00	Unincorporated El Dorado County (Remainder Area)	0	1,948	1,873	57	59	125	0	125	15.6
444.00	Unincorporated El Dorado County (Remainder Area)	0	274	178	18	8	19	1	20	13.7

VMT Summary by Jurisdiction - 2040 Baseline Scenario (Plus Project) With VMVSP

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445.00	Placerville	0	841	784	56	26	65	3	68	12.3
446.00	Placerville	1	4,268	758	706	28	65	53	119	36.0
447.00	Unincorporated El Dorado County (Remainder Area)	0	8,328	3,131	1,588	81	199	116	314	26.5
448.00	Placerville	0	1,803	2,021	52	64	161	0	161	11.2
449.00	Unincorporated El Dorado County (Remainder Area)	0	467	474	12	14	30	0	30	15.5
450.00	Unincorporated El Dorado County (Remainder Area)	0	2,341	2,189	77	84	180	0	180	13.0
451.00	Unincorporated El Dorado County (Remainder Area)	0	896	864	26	27	58	0	58	15.5
452.00	Placerville	0	6,940	3,665	934	150	321	66	387	17.9
453.00	Placerville	1	3,303	3,151	141	182	391	0	391	8.4
454.00	Unincorporated El Dorado County (Remainder Area)	0	544	474	19	28	59	0	59	9.2
455.00	Unincorporated El Dorado County (Remainder Area)	0	2,532	2,647	68	73	181	0	181	14.0
456.00	Unincorporated El Dorado County (Remainder Area)	0	1,777	1,763	51	51	109	0	109	16.2
457.00	Unincorporated El Dorado County (Remainder Area)	0	3,123	2,994	253	68	153	13	166	18.8
458.00	Placerville	0	11,458	1,911	1,850	71	157	130	287	39.9
459.00	Placerville	0	728	697	22	28	62	0	62	11.8
460.00	Unincorporated El Dorado County (Remainder Area)	0	826	790	23	22	47	0	47	17.5
461.00	Unincorporated El Dorado County (Remainder Area)	0	114	127	3	6	13	0	13	8.6
462.00	Unincorporated El Dorado County (Remainder Area)	0	2,619	1,232	408	31	67	24	91	28.9
463.00	Unincorporated El Dorado County (Remainder Area)	0	3,695	5,267	48	89	195	0	195	18.9
464.00	Unincorporated El Dorado County (Remainder Area)	0	2,772	3,372	48	55	129	0	129	21.6
465.00	Unincorporated El Dorado County (Remainder Area)	0	3,694	5,331	33	65	163	0	163	22.6
466.00	Unincorporated El Dorado County (Remainder Area)	0	3,058	3,358	114	65	143	7	150	20.4
467.00	Unincorporated El Dorado County (Remainder Area)	0	2,476	3,468	29	49	107	0	107	23.0
468.00	Unincorporated El Dorado County (Remainder Area)	0	5,787	6,836	97	128	263	0	263	22.0
469.00	Unincorporated El Dorado County (Remainder Area)	0	3,760	5,107	42	70	156	0	156	24.1
470.00	Unincorporated El Dorado County (Remainder Area)	0	1,653	2,124	23	33	72	0	72	22.8
471.00	Unincorporated El Dorado County (Remainder Area)	0	1,201	1,576	17	26	57	0	57	21.0
472.00	Unincorporated El Dorado County (Remainder Area)	0	1,198	1,611	17	26	57	0	57	21.0
473.00	Unincorporated El Dorado County (Remainder Area)	0	1,173	667	225	13	33	25	58	20.4
474.00	Unincorporated El Dorado County (Remainder Area)	0	1,748	2,013	35	42	95	0	95	18.4
475.00	Unincorporated El Dorado County (Remainder Area)	0	1,823	2,165	34	42	95	0	95	19.2
476.00	Unincorporated El Dorado County (Remainder Area)	0	4,032	891	531	16	41	34	75	53.7
477.00	Unincorporated El Dorado County (Remainder Area)	0	1,556	2,150	20	31	78	0	78	20.0
478.00	Unincorporated El Dorado County (Remainder Area)	0	1,219	1,418	24	30	66	0	66	18.4
479.00	Unincorporated El Dorado County (Remainder Area)	0	5,053	3,250	426	62	156	29	185	27.4
480.00	Unincorporated El Dorado County (Remainder Area)	0	1,684	2,420	28	31	68	1	69	24.4
481.00	Unincorporated El Dorado County (Remainder Area)	0	1,346	1,914	18	24	53	0	53	25.3
482.00	Unincorporated El Dorado County (Remainder Area)	0	6,413	8,424	88	102	226	0	226	28.4
483.00	Unincorporated El Dorado County (Remainder Area)	0	9,586	4,630	1,050	132	285	76	361	26.5
484.00	Unincorporated El Dorado County (Remainder Area)	0	8,638	4,754	1,189	104	267	118	384	22.5
485.00	Unincorporated El Dorado County (Remainder Area)	0	2,217	2,972	30	40	103	0	103	21.6
486.00	Unincorporated El Dorado County (Remainder Area)	0	5,258	7,002	76	110	249	0	249	21.1
487.00	Unincorporated El Dorado County (Remainder Area)	0	18,821	8,184	3,095	228	504	184	688	27.3
488.00	Unincorporated El Dorado County (Remainder Area)	0	5,705	7,210	105	125	283	0	283	20.2
489.00	Unincorporated El Dorado County (Remainder Area)	0	7,399	6,550	413	157	355	24	379	19.5
490.00	Unincorporated El Dorado County (Remainder Area)	0	1,513	1,792	31	35	86	0	86	17.6
491.00	Unincorporated El Dorado County (Remainder Area)	0	7,397	8,730	163	181	444	0	444	16.7
492.00	Unincorporated El Dorado County (Remainder Area)	0	8,850	3,397	1,054	76	188	72	259	34.1
493.00	Unincorporated El Dorado County (Remainder Area)	0	9,883	3,596	1,483	79	195	101	296	33.4
494.00	Unincorporated El Dorado County (Remainder Area)	0	6,356	2,964	769	71	174	55	229	27.8
495.00	Unincorporated El Dorado County (Remainder Area)	0	642	745	14	17	42	0	42	15.4
496.00	Unincorporated El Dorado County (Remainder Area)	0	7,212	4,156	719	94	232	52	284	25.4
497.00	Unincorporated El Dorado County (Remainder Area)	0	9,468	4,913	1,019	109	263	75	338	28.0
498.00	Unincorporated El Dorado County (Remainder Area)	0	3,580	3,998	178	78	176	13	189	18.9
499.00	Unincorporated El Dorado County (Remainder Area)	0	1,503	1,819	31	38	93	0	93	16.1
500.00	Unincorporated El Dorado County (Remainder Area)	0	5,358	1,118	1,185	11	24	97	121	44.2
501.00	Unincorporated El Dorado County (Remainder Area)	0	2,239	808	563	22	49	58	107	20.8
502.00	Unincorporated El Dorado County (Remainder Area)	0	7,232	8,846	142	147	349	0	349	20.7
503.00	Unincorporated El Dorado County (Remainder Area)	0	5,134	10	856	1	2	56	58	88.2
504.00	Unincorporated El Dorado County (Remainder Area)	0	13,762	5,013	1,656	140	313	103	416	33.1
505.00	Unincorporated El Dorado County (Remainder Area)	0	80	95	1	3	7	0	7	12.0
506.00	Unincorporated El Dorado County (Remainder Area)	0	996	1,011	36	28	64	1	65	15.4
507.00	Unincorporated El Dorado County (Remainder Area)	0	2,124	2,474	49	61	145	0	145	14.7
508.00	Unincorporated El Dorado County (Remainder Area)	0	4,882	2,833	1,182	85	184	114	298	16.4
509.00	Unincorporated El Dorado County (Remainder Area)	0	2,072	403	662	12	27	77	104	19.9
510.00	Unincorporated El Dorado County (Remainder Area)	0	3,527	2,900	228	92	200	15	215	16.4
511.00	Unincorporated El Dorado County (Remainder Area)	0	1,997	1,556	134	46	109	9	118	16.9
512.00	Unincorporated El Dorado County (Remainder Area)	0	1,906	2,154	44	45	107	0	107	17.8
513.00	Unincorporated El Dorado County (Remainder Area)	0	7,954	10,194	173	178	456	7	463	17.2
514.00	Unincorporated El Dorado County (Remainder Area)	0	31,231	42,655	380	714	1,830	0	1,830	17.1
515.00	Unincorporated El Dorado County (Remainder Area)	0	3,141	4,010	54	78	188	0	188	16.7
516.00	Unincorporated El Dorado County (Remainder Area)	0	7,346	9,874	103	162	391	0	391	18.8
517.00	Unincorporated El Dorado County (Remainder Area)	0	23,452	18,667	1,756	489	1,085	139	1,224	19.2
518.00	Unincorporated El Dorado County (Remainder Area)	0	13,101	12,171	814	325	745	53	799	16.4

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519.00	Unincorporated El Dorado County (Remainder Area)	0	7,735	6,113	758	162	371	60	432	17.9
520.00	Unincorporated El Dorado County (Remainder Area)	0	13,929	11,950	1,191	296	678	99	778	17.9
521.00	Unincorporated El Dorado County (Remainder Area)	0	15,954	9,101	1,695	309	686	167	853	18.7
522.00	Unincorporated El Dorado County (Remainder Area)	0	4,802	5,766	169	96	236	9	245	19.6
523.00	Unincorporated El Dorado County (Remainder Area)	0	24,802	9,890	3,180	302	698	272	970	25.6
524.00	Unincorporated El Dorado County (Remainder Area)	0	19,447	8,849	2,577	214	495	207	702	27.7
525.00	Unincorporated El Dorado County (Remainder Area)	0	4,554	5,739	60	97	233	0	233	19.5
526.00	Unincorporated El Dorado County (Remainder Area)	0	3,207	4,020	57	55	142	0	142	22.6
527.00	Unincorporated El Dorado County (Remainder Area)	0	8,786	6,847	854	186	447	71	517	17.0
528.00	Unincorporated El Dorado County (Remainder Area)	0	51,453	63,284	906	1,061	2,556	51	2,607	19.7
529.00	Unincorporated El Dorado County (Remainder Area)	0	1,259	1,213	126	19	46	8	54	23.2
530.00	Unincorporated El Dorado County (Remainder Area)	0	13,308	17,542	226	226	551	0	551	24.2
531.00	Unincorporated El Dorado County (Remainder Area)	0	3,809	4,990	62	59	144	0	144	26.5
532.00	Unincorporated El Dorado County (Remainder Area)	0	3,636	4,548	66	64	156	0	156	23.3
533.00	Unincorporated El Dorado County (Remainder Area)	0	11,688	9,305	1,001	151	367	53	420	27.9
534.00	Unincorporated El Dorado County (Remainder Area)	0	4,275	5,405	73	69	168	0	168	25.4
535.00	Unincorporated El Dorado County (Remainder Area)	0	5,352	6,688	86	95	245	0	245	21.8
536.00	Unincorporated El Dorado County (Remainder Area)	0	5,482	6,914	84	106	273	0	273	20.0
537.00	Unincorporated El Dorado County (Remainder Area)	0	10,916	14,250	141	208	536	0	536	20.3
538.00	Unincorporated El Dorado County (Remainder Area)	0	15,670	7,313	1,871	159	382	137	519	30.2
539.00	Unincorporated El Dorado County (Remainder Area)	0	13,730	1,981	1,939	11	27	142	169	81.2
540.00	Unincorporated El Dorado County (Remainder Area)	0	9,717	0	1,718	0	0	132	132	73.4
541.00	Unincorporated El Dorado County (Remainder Area)	0	2,586	833	305	18	43	24	67	38.4
542.00	Unincorporated El Dorado County (Remainder Area)	0	6,186	2,174	980	55	130	76	206	30.1
543.00	Unincorporated El Dorado County (Remainder Area)	0	32,598	1,665	6,433	50	118	368	486	67.0
544.00	Unincorporated El Dorado County (Remainder Area)	0	2,507	2,662	63	58	137	0	137	18.3
545.00	Unincorporated El Dorado County (Remainder Area)	0	1,418	1,743	21	27	64	0	64	22.2
546.00	Unincorporated El Dorado County (Remainder Area)	0	7,970	9,962	117	131	310	0	310	25.7
547.00	Unincorporated El Dorado County (Remainder Area)	0	4,958	527	772	13	31	64	95	52.3
548.00	Unincorporated El Dorado County (Remainder Area)	0	15,275	17,355	607	405	960	27	987	15.5
549.00	Unincorporated El Dorado County (Remainder Area)	0	2,382	2,740	65	54	128	1	129	18.5
550.00	Unincorporated El Dorado County (Remainder Area)	0	6,384	1,689	1,007	40	100	62	162	39.3
551.00	Unincorporated El Dorado County (Remainder Area)	0	9,028	1,802	1,374	46	115	87	202	44.7
552.00	Unincorporated El Dorado County (Remainder Area)	0	1,064	451	108	11	26	6	32	33.2
553.00	Unincorporated El Dorado County (Remainder Area)	0	1,472	1,721	33	35	83	0	83	17.8
554.00	Unincorporated El Dorado County (Remainder Area)	0	6,735	7,820	192	185	438	5	443	15.2
555.00	Unincorporated El Dorado County (Remainder Area)	0	1,550	1,737	31	39	92	0	92	16.8
556.00	Unincorporated El Dorado County (Remainder Area)	0	4,476	5,395	82	89	211	0	211	21.2
557.00	Unincorporated El Dorado County (Remainder Area)	0	1,810	1,536	218	34	81	20	101	18.0
558.00	Unincorporated El Dorado County (Remainder Area)	0	2,000	2,484	28	40	96	0	96	20.8
559.00	Unincorporated El Dorado County (Remainder Area)	0	1,255	1,448	22	28	67	0	67	18.7
560.00	Unincorporated El Dorado County (Remainder Area)	0	5,925	1,180	1,777	28	66	172	238	24.9
561.00	Unincorporated El Dorado County (Remainder Area)	0	893	1,008	19	23	54	0	54	16.5
562.00	Unincorporated El Dorado County (Remainder Area)	0	3,760	4,636	56	73	175	0	175	21.4
563.00	Unincorporated El Dorado County (Remainder Area)	0	2,087	2,676	25	40	90	0	90	23.2
564.00	Unincorporated El Dorado County (Remainder Area)	0	1,033	1,199	25	27	62	0	62	16.6
565.00	Unincorporated El Dorado County (Remainder Area)	0	2,164	2,292	53	69	143	0	143	15.2
566.00	Unincorporated El Dorado County (Remainder Area)	0	3,914	3,920	143	112	264	5	269	14.5
567.00	Unincorporated El Dorado County (Remainder Area)	0	3,100	681	591	29	60	50	110	28.2
568.00	Unincorporated El Dorado County (Remainder Area)	0	2,958	741	562	26	61	47	108	27.4
569.00	Unincorporated El Dorado County (Remainder Area)	0	7,065	1,955	1,102	72	169	96	265	26.7
570.00	Unincorporated El Dorado County (Remainder Area)	0	8,747	1,159	1,887	53	109	169	278	31.5
571.00	Unincorporated El Dorado County (Remainder Area)	0	1,094	1,111	28	38	79	0	79	13.9
572.00	Unincorporated El Dorado County (Remainder Area)	0	4,781	1,208	981	39	90	89	178	26.8
573.00	Unincorporated El Dorado County (Remainder Area)	0	7,931	9,657	127	126	284	0	284	27.9
574.00	Unincorporated El Dorado County (Remainder Area)	0	4,376	5,529	55	88	204	1	205	21.4
575.00	Unincorporated El Dorado County (Remainder Area)	0	2,789	4,000	22	37	86	0	86	32.6
576.00	Unincorporated El Dorado County (Remainder Area)	0	2,763	846	328	19	43	33	76	36.4
577.00	Unincorporated El Dorado County (Remainder Area)	0	523	625	8	14	32	0	32	16.6
578.00	Unincorporated El Dorado County (Remainder Area)	0	24,970	37,994	126	451	1,016	0	1,016	24.6
579.00	Unincorporated El Dorado County (Remainder Area)	0	2,766	3,979	21	41	96	0	96	28.8
580.00	Unincorporated El Dorado County (Remainder Area)	0	2,439	3,287	26	42	98	0	98	24.8
581.00	Unincorporated El Dorado County (Remainder Area)	0	4,759	6,974	39	66	146	0	146	32.6
582.00	Unincorporated El Dorado County (Remainder Area)	0	13,293	987	1,632	15	37	65	102	130.4
583.00	Unincorporated El Dorado County (Remainder Area)	0	30,829	46,276	295	446	987	15	1,002	30.8
584.00	Unincorporated El Dorado County (Remainder Area)	0	2,116	2,053	108	22	47	6	53	40.0
585.00	Unincorporated El Dorado County (Remainder Area)	0	9,891	13,988	95	148	327	0	327	30.2
586.00	Unincorporated El Dorado County (Remainder Area)	0	3,749	2,832	263	56	105	10	115	32.6
587.00	Unincorporated El Dorado County (Remainder Area)	0	1,939	2,716	23	48	116	0	116	16.7
588.00	Unincorporated El Dorado County (Remainder Area)	0	15,770	22,308	147	348	892	0	892	17.7
589.00	Unincorporated El Dorado County (Remainder Area)	0	238	286	6	8	16	0	16	14.9
590.00	Unincorporated El Dorado County (Remainder Area)	0	810	1,015	14	23	55	0	55	14.8
591.00	Unincorporated El Dorado County (Remainder Area)	0	67	85	1	3	7	0	7	9.3
592.00	Unincorporated El Dorado County (Remainder Area)	0	14,415	9,232	1,307	361	801	146	947	15.2

VMT Summary by Jurisdiction - 2040 Baseline Scenario (Plus Project) With VMVSP

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
593.00	Unincorporated El Dorado County (Remainder Area)	0	6,826	5,784	538	155	370	56	426	16.0
594.00	Unincorporated El Dorado County (Remainder Area)	0	11,190	14,810	166	316	754	0	754	14.8
595.00	Unincorporated El Dorado County (Remainder Area)	0	4,064	2,660	255	46	104	27	131	31.0
596.00	Unincorporated El Dorado County (Remainder Area)	0	5,261	3,014	502	59	151	48	199	26.4
597.00	Unincorporated El Dorado County (Remainder Area)	0	12,414	3,012	1,788	122	271	214	485	25.6
598.00	Unincorporated El Dorado County (Remainder Area)	0	8,872	380	1,469	15	33	166	200	44.4
599.00	Unincorporated El Dorado County (Remainder Area)	0	619	753	12	18	40	0	40	15.5
600.00	Unincorporated El Dorado County (Remainder Area)	0	11,414	8,038	1,064	217	481	94	575	19.8
601.00	Unincorporated El Dorado County (Remainder Area)	0	1,335	1,849	5	11	24	0	24	54.9
602.00	Unincorporated El Dorado County (Remainder Area)	0	1,880	115	239	3	6	9	15	128.5
603.00	Unincorporated El Dorado County (Remainder Area)	0	3,612	463	935	12	23	32	55	66.3
604.00	Unincorporated El Dorado County (Remainder Area)	0	3,302	626	455	17	31	13	44	75.4
605.00	Unincorporated El Dorado County (Remainder Area)	0	2,868	916	817	21	46	29	75	38.4
606.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
607.00	Unincorporated El Dorado County (Remainder Area)	0	3,218	4,485	12	19	47	0	47	68.8
608.00	Unincorporated El Dorado County (Remainder Area)	0	30	41	0	1	2	0	2	13.9
609.00	Unincorporated El Dorado County (Remainder Area)	0	9,871	1,511	1,552	37	80	61	141	69.8
610.00	El Dorado Hills	0	60,258	139	27,745	0	0	2,725	2,725	22.1
611.00	El Dorado Hills	0	59,427	35,442	8,719	1,023	2,614	672	3,286	18.1
612.00	El Dorado Hills	0	127,952	1,046	61,761	0	0	5,778	5,778	22.1
613.00	Unincorporated El Dorado County (Remainder Area)	0	119	104	18	4	10	3	13	9.3
614.00	El Dorado Hills	0	6,345	7,543	135	211	550	0	550	11.5
615.00	El Dorado Hills	0	10,595	8,913	718	211	550	60	609	17.4
616.00	El Dorado Hills	0	1,586	1,896	32	53	138	0	138	11.5
617.00	El Dorado Hills	0	13,928	9,807	892	187	553	89	642	21.7
618.00	El Dorado Hills	0	4,652	0	2,103	0	0	265	265	17.6
619.00	El Dorado Hills	0	3,465	0	563	0	0	60	60	57.7
620.00	El Dorado Hills	0	17,342	3,666	1,570	0	0	178	178	97.4
621.00	El Dorado Hills	0	12,644	16,474	217	326	963	0	963	13.1
622.00	El Dorado Hills	0	19,408	18,235	1,111	370	1,094	90	1,184	16.4
623.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
624.00	El Dorado Hills	0	15,270	14,696	671	309	918	54	972	15.7
625.00	El Dorado Hills	0	181	0	104	0	0	12	12	15.1
626.00	Unincorporated El Dorado County (Remainder Area)	0	36,352	5,108	5,423	164	386	554	939	38.7
627.00	Unincorporated El Dorado County (Remainder Area)	0	56,313	0	10,461	0	0	966	966	58.3
628.00	Unincorporated El Dorado County (Remainder Area)	0	19,860	23,773	451	515	1,322	0	1,322	15.0
629.00	Unincorporated El Dorado County (Remainder Area)	0	28,349	0	10,881	0	0	1,704	1,704	16.6
630.00	Unincorporated El Dorado County (Remainder Area)	0	129,009	173,395	1,604	4,036	11,894	0	11,894	10.8
631.00	Unincorporated El Dorado County (Remainder Area)	0	9,086	0	1,285	0	0	146	146	62.2
632.00	Unincorporated El Dorado County (Remainder Area)	0	1,677	2,059	32	53	138	0	138	12.1
633.00	Unincorporated El Dorado County (Remainder Area)	0	7,099	8,578	148	211	550	0	550	12.9
634.00	Unincorporated El Dorado County (Remainder Area)	0	7,438	9,049	150	212	552	0	552	13.5
635.00	Unincorporated El Dorado County (Remainder Area)	0	3,643	4,427	72	106	276	0	276	13.2
636.00	Unincorporated El Dorado County (Remainder Area)	0	6,115	8,413	135	212	556	0	556	11.0
637.00	Unincorporated El Dorado County (Remainder Area)	0	9,556	11,731	187	265	695	0	695	13.8
638.00	Unincorporated El Dorado County (Remainder Area)	0	1,290	1,618	22	36	94	0	94	13.7
639.00	Unincorporated El Dorado County (Remainder Area)	0	2,759	3,374	52	72	189	0	189	14.6
640.00	Unincorporated El Dorado County (Remainder Area)	0	9,634	11,977	183	272	713	0	713	13.5
641.00	Unincorporated El Dorado County (Remainder Area)	0	2,792	3,453	52	72	189	0	189	14.8
642.00	Unincorporated El Dorado County (Remainder Area)	0	36,712	38,855	1,580	926	2,421	96	2,517	14.6
643.00	Unincorporated El Dorado County (Remainder Area)	0	9,375	11,645	180	257	672	0	672	14.0
644.00	Unincorporated El Dorado County (Remainder Area)	0	3,096	3,914	54	90	238	0	238	13.0
645.00	Unincorporated El Dorado County (Remainder Area)	0	21,341	25,177	920	495	1,311	56	1,367	15.6
646.00	Unincorporated El Dorado County (Remainder Area)	0	7,137	8,935	125	180	477	0	477	15.0
647.00	Unincorporated El Dorado County (Remainder Area)	0	1,511	1,896	26	45	119	0	119	12.7
648.00	Unincorporated El Dorado County (Remainder Area)	0	3,897	2,239	514	45	119	42	161	24.2
649.00	Unincorporated El Dorado County (Remainder Area)	0	4,702	2,839	29	45	119	0	119	39.5
650.00	Outside of County	0	2,933,271	1,487,935	491,419	0	0	0	0	-
651.00	Outside of County	0	29,994	17,035	4,152	0	0	0	0	-
652.00	Outside of County	0	0	0	0	0	0	0	0	-
653.00	Outside of County	0	419,617	187,648	52,095	0	0	0	0	-
654.00	Outside of County	0	41,897	9,353	2,442	0	0	0	0	-
655.00	Outside of County	0	353,934	119,611	34,710	0	0	0	0	-
656.00	Outside of County	0	56,638	18,521	7,296	0	0	0	0	-
657.00	Outside of County	0	196,651	9,042	3,667	0	0	0	0	-
658.00	Outside of County	0	0	0	0	0	0	0	0	-
659.00	Outside of County	0	5,765	2,988	951	0	0	0	0	-
660.00	Outside of County	0	182,261	101,231	34,312	0	0	0	0	-
661.00	Outside of County	0	149,233	78,566	24,961	0	0	0	0	-
662.00	Outside of County	0	714,079	372,538	123,354	0	0	0	0	-
663.00	Outside of County	0	736,221	260,757	82,383	0	0	0	0	-
664.00	Outside of County	0	452,677	246,388	66,933	0	0	0	0	-
665.00	Outside of County	0	221,673	96,787	36,261	0	0	0	0	-
666.00	Outside of County	0	102,472	56,343	17,385	0	0	0	0	-

VMT Summary by Jurisdiction - 2040 Baseline Scenario (Plus Project) With VMVSP

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
667.00	Outside of County	0	0	0	0	0	0	0	0	-
668.00	Outside of County	0	535,969	362,334	0	0	0	0	0	-
669.00	Outside of County	0	0	0	0	0	0	0	0	-
670.00	Outside of County	0	0	0	0	0	0	0	0	-
671.00	Outside of County	0	204,072	110,251	30,949	0	0	0	0	-
672.00	Outside of County	0	38,796	38,887	0	0	0	0	0	-
673.00	Outside of County	0	33,713	16,659	0	0	0	0	0	-
674.00	Outside of County	0	405,439	27,416	0	0	0	0	0	-

2018 Baseline Scenario (Plus Project With VMVSP)

-AND-

25,000 SF Commercial Office Shift to Commercial Retail in VMVSP

VMT Summary by Jurisdiction - 2018 Baseline Scenario (Plus Project) With VMVSP and 25,000 SF Commercial Office Shift to Commercial Retail in VMVSP

	VMT Estimates			VMT Efficiency Metrics			Population Details				
Jurisdiction	Total OD VMT	Home-based PA VMT	Home-based Work PA VMT	Total VMT per Service Population	Home-based VMT per Capita	Home-based Work VMT per Employee	Total Households	Total Population	Total Employment	Total Service Population	Persons Per Household
City of Placerville	299,720	68,168	91,164	21.1	10.4	11.9	2,914	6,581	7,639	14,220	2.26
Unincorporated El Dorado County	3,894,991	3,326,944	434,161	21.3	22.5	12.4	59,091	148,003	34,923	182,926	2.50
629	30,661	0	10,576	19.2		6.6	0	0	1,595	1,595	
630	171,278	237,101	1,532	14.4	19.9		4,036	11,894	0	11,894	2.95
631	13,626	0	1,858	67.5		9.2	0	0	202	202	
				Threshold	19.3	11.1					

VMT Summary by Jurisdiction - 2018 Baseline Scenario (Plus Project) With VMVSP and 25,000 SF Commercial Office Shift to Commercial Retail in VMVSP

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
1.00	Unincorporated El Dorado County (Remainder Area)	0	4,167	2,570	333	46	75	16	91	46.0
2.00	Unincorporated El Dorado County (Remainder Area)	0	22,778	31,351	472	525	1,185	34	1,219	18.7
3.00	Unincorporated El Dorado County (Remainder Area)	0	2,965	3,765	43	34	88	0	88	33.8
4.00	Unincorporated El Dorado County (Remainder Area)	0	1,533	1,520	53	16	34	2	36	42.9
5.00	Unincorporated El Dorado County (Remainder Area)	0	2,860	4,025	27	33	73	0	73	39.4
6.00	Unincorporated El Dorado County (Remainder Area)	0	12,274	15,690	359	270	646	9	655	18.8
7.00	Unincorporated El Dorado County (Remainder Area)	0	25,668	33,065	1,010	516	1,119	71	1,190	21.6
8.00	Unincorporated El Dorado County (Remainder Area)	0	2,724	784	761	14	36	60	96	28.4
9.00	Unincorporated El Dorado County (Remainder Area)	0	28,467	33,198	1,726	482	1,240	117	1,357	21.0
10.00	Outside of County	0	0	0	0	0	0	0	0	-
11.00	Outside of County	0	0	0	0	0	0	0	0	-
12.00	Outside of County	0	40,134	31,664	1,868	663	1,741	96	1,837	21.9
13.00	Outside of County	0	31,355	36,091	679	775	1,995	0	1,995	15.7
14.00	Outside of County	0	64,686	72,419	1,586	1,502	4,068	32	4,100	15.8
15.00	Outside of County	0	499	528	10	10	23	0	23	22.2
16.00	Outside of County	0	55,520	9,055	7,436	149	378	434	812	68.4
17.00	Outside of County	0	0	0	0	0	0	0	0	-
18.00	Outside of County	0	1,560	618	67	41	116	0	116	13.4
19.00	Outside of County	0	0	0	0	0	0	0	0	-
20.00	Outside of County	0	220	18	121	1	1	5	6	36.6
21.00	Outside of County	0	5,304	50	2,599	1	2	112	114	46.5
22.00	Outside of County	0	2,251	268	591	2	6	23	29	77.6
23.00	Outside of County	0	59,481	24,143	6,418	101	273	244	517	115.1
24.00	Outside of County	0	48	30	1	1	1	0	1	48.1
25.00	Outside of County	0	0	0	0	0	0	0	0	-
26.00	Outside of County	0	0	0	0	0	0	0	0	-
27.00	Outside of County	0	1,336	266	513	2	6	22	28	47.7
28.00	Outside of County	0	12,534	14,650	386	123	332	6	338	37.1
29.00	Outside of County	0	7,978	9,199	249	72	192	5	197	40.5
30.00	Outside of County	0	6,077	0	3,265	0	0	133	133	45.7
31.00	Outside of County	0	5,568	4,110	1,068	44	94	45	139	40.0
32.00	Outside of County	0	25,004	6,831	623	676	1,526	0	1,526	16.4
33.00	Outside of County	0	0	0	0	0	0	0	0	-
34.00	Outside of County	0	8,754	9,471	598	75	191	16	207	42.3
35.00	Outside of County	0	0	0	0	0	0	0	0	-
36.00	Outside of County	0	0	0	0	0	0	0	0	-
37.00	Outside of County	0	5,099	0	2,721	0	0	178	178	28.6
38.00	Outside of County	0	0	0	0	0	0	0	0	-
39.00	Outside of County	0	24,520	22,507	3,325	666	1,569	227	1,796	13.7
40.00	Outside of County	0	113,234	26,077	18,979	916	2,079	1,839	3,918	28.9
41.00	Outside of County	0	30,937	26,447	4,007	544	1,271	203	1,474	21.0
42.00	Outside of County	0	0	0	0	0	0	0	0	-
43.00	Outside of County	0	53,366	62,340	1,226	828	2,045	0	2,045	26.1
44.00	Outside of County	0	79,762	76,603	3,328	1,069	2,614	95	2,709	29.4
45.00	Outside of County	0	101,916	24,308	14,708	906	2,057	1,357	3,414	29.9
46.00	Outside of County	0	0	0	0	0	0	0	0	-
47.00	Outside of County	0	101,592	0	43,434	0	0	2,398	2,398	42.4
48.00	Outside of County	0	70,704	69,831	3,448	1,203	3,068	121	3,189	22.2
49.00	Outside of County	0	153,842	0	79,631	0	0	4,642	4,642	33.1
50.00	Outside of County	0	121,037	84,607	19,701	1,025	2,430	826	3,256	37.2
51.00	Outside of County	0	126,808	68,427	18,452	1,768	4,253	1,237	5,490	23.1
52.00	Outside of County	0	46,756	25,768	4,556	297	667	240	907	51.5
53.00	Outside of County	0	111,455	85,019	8,540	1,335	3,452	377	3,829	29.1
54.00	Outside of County	0	95,905	36,417	39,922	476	1,153	1,827	2,980	32.2
55.00	Outside of County	0	83,990	38,524	12,790	675	1,583	800	2,383	35.3
56.00	Outside of County	0	34,864	39,578	1,020	820	1,933	4	1,937	18.0
57.00	Outside of County	0	163,392	0	115,859	0	0	7,375	7,375	22.2
58.00	Outside of County	0	44,032	24,154	6,965	465	1,160	388	1,548	28.4
59.00	Outside of County	0	424	110	176	2	4	9	13	32.6
60.00	Outside of County	0	207,372	17,297	105,288	238	478	4,236	4,714	44.0
61.00	Outside of County	0	275,740	190,476	22,827	2,205	5,227	797	6,024	45.8
62.00	Outside of County	0	55,453	317	27,207	4	8	1,150	1,158	47.9
63.00	Outside of County	0	112,653	18,086	52,192	340	756	3,083	3,839	29.3
64.00	Outside of County	0	79,238	59,141	11,596	865	2,156	560	2,716	29.2
65.00	Outside of County	0	10,428	11,381	221	136	338	0	338	30.8
66.00	Outside of County	0	62,315	49,599	4,358	826	1,950	172	2,122	29.4
67.00	Outside of County	0	10,555	0	2,863	0	0	178	178	59.3
68.00	Outside of County	0	55,979	32,253	12,032	616	1,314	679	1,993	28.1
69.00	Outside of County	0	144,819	89,942	38,714	1,588	4,122	2,320	6,442	22.5
70.00	Outside of County	0	211,682	840	128,885	0	0	6,956	6,956	30.4
71.00	Outside of County	0	107,082	109,446	4,955	1,231	3,088	121	3,209	33.4
72.00	Outside of County	0	255,884	377	136,550	0	0	5,133	5,133	49.9
73.00	Outside of County	0	122,953	0	81,844	0	0	5,627	5,627	21.9
74.00	Outside of County	0	177,468	21,781	82,958	435	1,022	4,728	5,750	30.9

VMT Summary by Jurisdiction - 2018 Baseline Scenario (Plus Project) With VMVSP and 25,000 SF Commercial Office Shift to Commercial Retail in VMVSP

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
75.00	Outside of County	0	106,477	76,457	27,754	1,936	4,401	1,866	6,267	17.0
76.00	Outside of County	0	42,222	23,454	5,103	508	1,352	297	1,649	25.6
77.00	Outside of County	0	166,323	77,881	35,059	1,155	2,810	1,659	4,469	37.2
78.00	Outside of County	0	89,670	0	24,365	0	0	1,567	1,567	57.2
79.00	Outside of County	0	968	0	0	0	0	20	20	48.4
80.00	Outside of County	0	50,692	0	24,325	0	0	1,410	1,410	36.0
81.00	Outside of County	0	161,727	0	84,587	0	0	4,951	4,951	32.7
82.00	Outside of County	0	56,468	0	30,412	0	0	1,787	1,787	31.6
83.00	Outside of County	0	0	0	0	0	0	0	0	-
84.00	Outside of County	0	64,616	48,059	6,690	1,226	2,817	405	3,222	20.1
85.00	Outside of County	0	71,633	59,117	4,782	1,295	3,246	253	3,499	20.5
86.00	Outside of County	0	112,619	74,435	11,706	1,968	4,487	754	5,241	21.5
87.00	Outside of County	0	103,433	65,920	13,192	2,114	4,344	800	5,144	20.1
88.00	Outside of County	0	86,801	47,572	12,202	1,099	2,679	762	3,441	25.2
89.00	Outside of County	0	11,390	0	4,772	0	0	293	293	38.9
90.00	Outside of County	0	53,971	0	11,125	0	0	592	592	91.2
91.00	Outside of County	0	123,707	16,135	50,887	383	961	4,100	5,061	24.4
92.00	Outside of County	0	59,615	56,045	3,332	1,139	2,709	141	2,850	20.9
93.00	Outside of County	0	0	0	0	0	0	0	0	-
94.00	Outside of County	0	432	478	9	6	15	0	15	28.8
95.00	Outside of County	0	932	0	448	0	0	27	27	34.5
96.00	Outside of County	0	343	0	176	0	0	12	12	28.6
97.00	Outside of County	0	110	102	3	2	4	0	4	27.5
98.00	Outside of County	0	76,552	351	27,313	10	25	2,289	2,314	33.1
99.00	Outside of County	0	50,674	27,322	11,972	791	1,944	958	2,902	17.5
100.00	Outside of County	0	6,018	7,011	131	84	203	0	203	29.6
101.00	Outside of County	0	12,152	0	6,154	0	0	320	320	38.0
102.00	Outside of County	0	6,008	5,234	1,013	51	153	53	206	29.2
103.00	Outside of County	0	58,805	67,675	1,413	910	2,200	0	2,200	26.7
104.00	Outside of County	0	0	0	0	0	0	0	0	-
105.00	Outside of County	0	0	0	0	0	0	0	0	-
106.00	Outside of County	0	2,877	0	1,466	0	0	70	70	41.1
107.00	Outside of County	0	85,694	0	46,143	0	0	3,135	3,135	27.3
108.00	Outside of County	0	439	0	205	0	0	15	15	29.3
109.00	Outside of County	0	19,039	0	4,305	0	0	238	238	80.0
110.00	Outside of County	0	64,191	8,691	29,222	205	426	1,610	2,036	31.5
111.00	Outside of County	0	137,440	12,375	25,534	350	728	1,151	1,879	73.2
112.00	Outside of County	0	196,875	38,639	42,790	747	1,946	2,117	4,063	48.5
113.00	Outside of County	0	96,768	0	48,382	0	0	4,022	4,022	24.1
114.00	Outside of County	0	41,187	30,496	7,785	770	1,950	660	2,610	15.8
115.00	Outside of County	0	0	0	0	0	0	0	0	-
116.00	Outside of County	0	0	0	0	0	0	0	0	-
117.00	Outside of County	0	86,789	32,840	23,741	401	1,031	1,492	2,523	34.4
118.00	Outside of County	0	92,291	83,822	3,774	2,313	5,898	187	6,085	15.2
119.00	Outside of County	0	171,105	7,900	75,301	214	522	6,545	7,067	24.2
120.00	Outside of County	0	204,784	0	58,609	0	0	4,131	4,131	49.6
121.00	Outside of County	0	167,346	57,233	22,369	1,642	4,261	1,724	5,985	28.0
122.00	Outside of County	0	67,397	20,152	12,443	619	1,530	1,071	2,601	25.9
123.00	Outside of County	0	53,308	7,542	10,723	200	529	855	1,384	38.5
124.00	Outside of County	0	81,732	55,125	5,673	1,240	2,628	328	2,956	27.7
125.00	Outside of County	0	60,564	10,890	9,368	389	801	781	1,582	38.3
126.00	Outside of County	0	15,869	4,339	1,797	136	279	129	408	38.9
127.00	Outside of County	0	38,747	34,385	2,043	800	1,693	117	1,810	21.4
128.00	Outside of County	0	86,771	40,440	11,105	999	2,062	767	2,829	30.7
129.00	Outside of County	0	42,995	46,698	826	994	2,246	0	2,246	19.1
130.00	Outside of County	0	31,860	9,955	4,091	369	740	416	1,156	27.6
131.00	Outside of County	0	76,270	20,751	13,727	607	1,234	1,278	2,512	30.4
132.00	Outside of County	0	34,226	20,662	4,042	407	894	260	1,154	29.7
133.00	Outside of County	0	133,710	63,667	14,831	2,087	5,211	1,475	6,686	20.0
134.00	Outside of County	0	70,837	32,267	18,602	1,075	2,460	1,492	3,952	17.9
135.00	Outside of County	0	43,758	0	24,143	0	0	2,114	2,114	20.7
136.00	Outside of County	0	31,958	28,545	1,657	669	1,669	82	1,751	18.3
137.00	Outside of County	0	139,635	104,566	9,474	2,349	6,735	673	7,408	18.9
138.00	El Dorado Diamond Springs	0	5,507	5,270	429	161	367	25	392	14.1
139.00	El Dorado Diamond Springs	0	3,999	1,747	668	62	135	55	190	21.0
140.00	El Dorado Diamond Springs	0	24,584	261	5,053	10	27	383	410	59.9
141.00	Unincorporated El Dorado County (Remainder Area)	0	2,105	2,003	80	21	49	2	51	41.4
142.00	Unincorporated El Dorado County (Remainder Area)	0	7,350	7,906	177	157	353	0	353	20.8
143.00	Unincorporated El Dorado County (Remainder Area)	0	3,590	3,702	133	93	209	4	213	16.8
144.00	Unincorporated El Dorado County (Remainder Area)	0	3,884	3,953	294	74	186	19	205	18.9
145.00	Unincorporated El Dorado County (Remainder Area)	0	800	825	23	30	69	0	69	11.7
146.00	El Dorado Diamond Springs	0	3,806	1,753	632	64	145	51	196	19.5
147.00	El Dorado Diamond Springs	0	4,285	4,485	135	159	359	0	359	11.9
148.00	Outside of County	0	189,354	256,135	7,191	2,250	5,293	137	5,430	34.9

VMT Summary by Jurisdiction - 2018 Baseline Scenario (Plus Project) With VMVSP and 25,000 SF Commercial Office Shift to Commercial Retail in VMVSP

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149.00	Shingle Springs	0	6,757	1,719	1,410	37	98	112	210	32.2
150.00	Unincorporated El Dorado County (Remainder Area)	0	7,824	8,636	222	109	260	3	263	29.8
151.00	Unincorporated El Dorado County (Remainder Area)	0	1,488	2,054	20	23	67	0	67	22.2
152.00	Shingle Springs	0	9,783	6,204	1,399	122	315	99	414	23.6
153.00	Unincorporated El Dorado County (Remainder Area)	0	6,406	6,608	215	178	388	5	393	16.3
154.00	Unincorporated El Dorado County (Remainder Area)	0	3,284	3,357	210	84	196	16	212	15.5
155.00	Shingle Springs	0	2,678	3,158	55	62	161	0	161	16.6
156.00	Unincorporated El Dorado County (Remainder Area)	0	2,361	2,801	39	27	67	0	67	35.1
157.00	El Dorado Hills	0	11,364	14,799	182	274	807	0	807	14.1
158.00	Cameron Park	0	22,219	25,267	998	598	1,373	72	1,445	15.4
159.00	Cameron Park	0	12,839	16,734	227	340	878	1	879	14.6
160.00	Shingle Springs	0	7,867	9,738	156	194	501	0	501	15.7
161.00	El Dorado Hills	0	5,820	7,648	80	105	283	0	283	20.6
162.00	El Dorado Hills	0	71,881	100,367	941	1,503	4,414	0	4,414	16.3
163.00	El Dorado Hills	0	339	363	35	7	21	4	25	13.8
164.00	El Dorado Hills	0	27,306	0	13,868	0	0	1,232	1,232	22.2
165.00	El Dorado Hills	0	16,358	19,807	360	373	997	0	997	16.4
166.00	Outside of County	0	41,581	42,688	1,353	749	1,892	49	1,941	21.4
167.00	El Dorado Hills	0	50,568	52,995	2,072	1,297	2,904	55	2,959	17.1
168.00	El Dorado Hills	0	30,814	37,002	908	1,125	2,519	9	2,528	12.2
169.00	El Dorado Hills	0	99,893	149	20,392	0	0	1,688	1,688	59.2
170.00	El Dorado Hills	0	26,988	0	14,671	0	0	1,357	1,357	19.9
171.00	El Dorado Hills	0	14,257	12,947	734	441	790	20	810	17.6
172.00	El Dorado Hills	0	8,061	0	1,896	0	0	168	168	48.0
173.00	El Dorado Hills	0	29,074	0	6,156	0	0	547	547	53.2
174.00	Unincorporated El Dorado County (Remainder Area)	0	2,253	1,575	252	15	37	11	48	46.6
175.00	Unincorporated El Dorado County (Remainder Area)	0	964	889	97	11	26	5	31	30.9
176.00	Unincorporated El Dorado County (Remainder Area)	0	2,075	2,365	40	29	69	0	69	30.0
177.00	Unincorporated El Dorado County (Remainder Area)	0	834	714	117	10	25	7	32	26.1
178.00	Unincorporated El Dorado County (Remainder Area)	0	2,116	2,468	39	30	77	0	77	27.4
179.00	Unincorporated El Dorado County (Remainder Area)	0	9	16	0	1	3	0	3	3.4
180.00	El Dorado Hills	0	2,839	3,645	39	58	149	0	149	19.0
181.00	El Dorado Hills	0	1,290	8	554	1	3	58	61	21.2
182.00	Cameron Park	0	51,612	69,609	705	1,186	3,202	0	3,202	16.1
183.00	Unincorporated El Dorado County (Remainder Area)	0	6,075	7,529	102	152	355	0	355	17.1
184.00	Cameron Park	0	26,769	20,383	2,818	357	964	300	1,264	21.2
185.00	Cameron Park	0	5,275	6,700	81	149	342	0	342	15.4
186.00	Cameron Park	0	607	103	199	3	7	28	35	17.4
187.00	Cameron Park	0	10,130	10,045	916	239	549	85	634	16.0
188.00	Cameron Park	0	7,283	7,299	726	188	432	69	501	14.5
189.00	Unincorporated El Dorado County (Remainder Area)	0	2,918	3,731	44	37	104	0	104	28.2
190.00	Unincorporated El Dorado County (Remainder Area)	0	11,346	14,923	175	237	663	0	663	17.1
191.00	El Dorado Hills	0	825	1,104	11	19	53	0	53	15.5
192.00	El Dorado Hills	0	1,093	1,448	15	25	70	0	70	15.7
193.00	El Dorado Hills	0	8,799	4,452	2,484	100	253	246	499	17.6
194.00	El Dorado Hills	0	18,480	24,131	275	439	1,285	0	1,285	14.4
195.00	El Dorado Hills	0	1,624	535	191	10	26	14	40	41.1
196.00	Outside of County	0	46,150	51,636	1,520	923	2,503	82	2,585	17.9
197.00	El Dorado Hills	0	3,999	4,948	67	86	219	0	219	18.2
198.00	El Dorado Hills	0	58,705	47,256	4,627	887	2,482	453	2,935	20.0
199.00	El Dorado Hills	0	11,226	3,698	1,604	62	173	120	293	38.3
200.00	El Dorado Hills	0	3,377	334	771	7	18	67	85	39.8
201.00	El Dorado Hills	0	13,413	8,511	2,758	150	439	301	740	18.1
202.00	El Dorado Hills	0	42,004	41,783	2,371	737	2,062	199	2,261	18.6
203.00	El Dorado Hills	0	51,291	66,481	1,770	1,043	3,061	139	3,200	16.0
204.00	El Dorado Hills	0	18,915	20,377	606	362	1,067	41	1,108	17.1
205.00	El Dorado Hills	0	1,675	0	772	0	0	80	80	20.9
206.00	El Dorado Hills	0	2,131	2,779	29	52	153	0	153	13.9
207.00	El Dorado Hills	0	15,088	20,033	230	296	869	0	869	17.4
208.00	Unincorporated El Dorado County (Remainder Area)	0	415	564	5	9	26	0	26	15.7
209.00	El Dorado Hills	0	3,005	3,576	172	55	161	14	175	17.1
210.00	El Dorado Hills	0	5,755	7,619	86	125	366	0	366	15.7
211.00	Unincorporated El Dorado County (Remainder Area)	0	167	231	2	4	11	0	11	15.0
212.00	El Dorado Hills	0	1,883	2,547	25	35	103	0	103	18.3
213.00	Unincorporated El Dorado County (Remainder Area)	0	6,861	9,084	100	116	323	0	323	21.3
214.00	Unincorporated El Dorado County (Remainder Area)	0	688	923	10	8	19	0	19	35.5
215.00	El Dorado Hills	0	6,155	8,070	95	113	316	0	316	19.5
216.00	Unincorporated El Dorado County (Remainder Area)	0	401	522	5	5	12	0	12	33.2
217.00	Unincorporated El Dorado County (Remainder Area)	0	746	966	10	11	31	0	31	24.2
218.00	Unincorporated El Dorado County (Remainder Area)	0	1,733	2,255	25	28	78	0	78	22.1
219.00	Unincorporated El Dorado County (Remainder Area)	0	4,453	2,420	1,005	28	78	77	155	28.7
220.00	Unincorporated El Dorado County (Remainder Area)	0	585	770	8	9	25	0	25	23.4
221.00	El Dorado Hills	0	42,678	58,816	552	876	2,359	0	2,359	18.1
222.00	Cameron Park	0	2,643	1,421	250	26	71	26	97	27.4

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223.00	Cameron Park	0	4,133	5,637	50	103	279	0	279	14.8
224.00	Unincorporated El Dorado County (Remainder Area)	0	5,544	6,551	342	95	258	29	287	19.3
225.00	Unincorporated El Dorado County (Remainder Area)	0	11,272	7,765	963	92	270	79	349	32.3
226.00	Cameron Park	0	9,970	8,837	743	131	384	76	460	21.7
227.00	Cameron Park	0	183	179	12	5	12	2	14	13.0
228.00	Cameron Park	0	23,660	31,772	496	705	1,703	20	1,723	13.7
229.00	El Dorado Hills	0	379	533	3	9	24	0	24	15.6
230.00	El Dorado Hills	0	542	768	5	12	35	0	35	15.4
231.00	Unincorporated El Dorado County (Remainder Area)	0	966	326	215	5	15	28	43	22.6
232.00	Unincorporated El Dorado County (Remainder Area)	0	2,149	2,877	28	33	92	0	92	23.4
233.00	Cameron Park	0	6,587	3,895	744	92	211	101	312	21.1
234.00	Cameron Park	0	47,104	42,391	4,375	1,004	2,306	587	2,893	16.3
235.00	Cameron Park	0	33,777	45,352	457	861	2,214	0	2,214	15.3
236.00	Cameron Park	0	17,923	24,492	286	468	1,204	9	1,213	14.8
237.00	Cameron Park	0	2,822	3,603	43	75	172	0	172	16.4
238.00	Cameron Park	0	15,191	14,062	1,942	280	676	199	875	17.4
239.00	Cameron Park	0	1,957	1,651	131	32	87	16	103	19.0
240.00	Unincorporated El Dorado County (Remainder Area)	0	7,447	9,983	104	127	345	0	345	21.6
241.00	Cameron Park	0	7,103	9,430	103	164	445	2	447	15.9
242.00	Cameron Park	0	820	1,127	9	22	60	0	60	13.7
243.00	Cameron Park	0	2,488	3,027	117	52	141	13	154	16.1
244.00	Unincorporated El Dorado County (Remainder Area)	0	1,414	1,825	23	22	57	0	57	25.0
245.00	Unincorporated El Dorado County (Remainder Area)	0	849	1,078	11	10	29	0	29	29.3
246.00	Unincorporated El Dorado County (Remainder Area)	0	4,578	6,234	58	63	182	0	182	25.1
247.00	Unincorporated El Dorado County (Remainder Area)	0	14,593	16,619	351	296	646	0	646	22.6
248.00	Unincorporated El Dorado County (Remainder Area)	0	11,079	13,574	224	185	441	0	441	25.1
249.00	Unincorporated El Dorado County (Remainder Area)	0	1,943	2,134	39	27	59	0	59	33.0
250.00	Unincorporated El Dorado County (Remainder Area)	0	3,311	3,989	63	53	123	0	123	26.9
251.00	Unincorporated El Dorado County (Remainder Area)	0	4,376	5,212	88	88	224	0	224	19.6
252.00	Unincorporated El Dorado County (Remainder Area)	0	20,364	25,255	411	434	1,130	0	1,130	18.0
253.00	Unincorporated El Dorado County (Remainder Area)	0	8,786	11,065	162	147	403	0	403	21.8
254.00	Unincorporated El Dorado County (Remainder Area)	0	6,204	7,440	125	116	295	0	295	21.0
255.00	Cameron Park	0	16,249	0	4,687	0	0	426	426	38.1
256.00	Cameron Park	0	44,496	1,991	12,802	47	121	1,042	1,163	38.2
257.00	Shingle Springs	0	29,741	6,954	10,626	153	389	960	1,349	22.0
258.00	Unincorporated El Dorado County (Remainder Area)	0	1,526	1,806	50	21	58	2	60	25.6
259.00	Unincorporated El Dorado County (Remainder Area)	0	1,853	2,315	30	30	78	0	78	23.7
260.00	Shingle Springs	0	5,550	60	1,743	2	4	146	150	36.9
261.00	Shingle Springs	0	15,072	4,234	3,485	92	252	282	534	28.2
262.00	Shingle Springs	0	12,722	4,973	2,893	121	308	238	546	23.3
263.00	Shingle Springs	0	6,101	5,048	515	108	296	35	331	18.4
264.00	Shingle Springs	0	4,702	2,317	605	50	137	45	182	25.8
265.00	Unincorporated El Dorado County (Remainder Area)	0	2,425	3,000	44	45	117	0	117	20.7
266.00	Unincorporated El Dorado County (Remainder Area)	0	2,363	2,158	117	42	92	4	96	24.7
267.00	Unincorporated El Dorado County (Remainder Area)	0	5,486	6,885	125	129	336	0	336	16.3
268.00	Unincorporated El Dorado County (Remainder Area)	0	3,280	3,768	131	69	180	6	186	17.7
269.00	Unincorporated El Dorado County (Remainder Area)	0	9,299	10,860	228	204	516	1	517	18.0
270.00	Unincorporated El Dorado County (Remainder Area)	0	2,464	3,193	43	44	113	0	113	21.8
271.00	Unincorporated El Dorado County (Remainder Area)	0	8,135	10,114	198	150	379	5	384	21.2
272.00	Unincorporated El Dorado County (Remainder Area)	0	6,807	7,820	354	131	347	23	370	18.4
273.00	Unincorporated El Dorado County (Remainder Area)	0	7,940	10,253	254	134	391	12	403	19.7
274.00	Unincorporated El Dorado County (Remainder Area)	0	15,381	14,004	1,300	233	618	99	717	21.5
275.00	Unincorporated El Dorado County (Remainder Area)	0	15,511	18,383	450	321	828	13	841	18.4
276.00	Cameron Park	0	9,061	11,104	255	224	541	12	553	16.4
277.00	Cameron Park	0	6,287	8,097	102	161	416	0	416	15.1
278.00	Unincorporated El Dorado County (Remainder Area)	0	5,306	6,940	83	91	247	0	247	21.5
279.00	Unincorporated El Dorado County (Remainder Area)	0	2,717	3,586	42	45	122	0	122	22.2
280.00	Unincorporated El Dorado County (Remainder Area)	0	1,776	2,218	32	37	98	0	98	18.1
281.00	Unincorporated El Dorado County (Remainder Area)	0	3,853	3,598	528	59	156	36	192	20.0
282.00	Unincorporated El Dorado County (Remainder Area)	0	1,744	2,169	32	39	103	0	103	16.9
283.00	Shingle Springs	0	15,695	3,656	2,001	0	0	161	161	97.5
284.00	Shingle Springs	0	1,602	1,105	293	25	65	25	90	17.9
285.00	Unincorporated El Dorado County (Remainder Area)	0	5,022	1,452	860	12	26	66	92	54.4
286.00	Unincorporated El Dorado County (Remainder Area)	0	1,786	2,334	29	36	95	0	95	18.7
287.00	Unincorporated El Dorado County (Remainder Area)	0	1,719	2,192	29	34	88	0	88	19.6
288.00	Unincorporated El Dorado County (Remainder Area)	0	2,653	3,356	45	51	135	0	135	19.6
289.00	Unincorporated El Dorado County (Remainder Area)	0	360	515	4	8	23	0	23	15.4
290.00	Unincorporated El Dorado County (Remainder Area)	0	2,428	3,245	37	44	129	0	129	18.9
291.00	Unincorporated El Dorado County (Remainder Area)	0	9,902	12,878	183	188	463	0	463	21.4
292.00	Unincorporated El Dorado County (Remainder Area)	0	4,659	6,479	65	72	210	0	210	22.2
293.00	Unincorporated El Dorado County (Remainder Area)	0	1,228	1,274	32	34	77	0	77	15.9
294.00	Unincorporated El Dorado County (Remainder Area)	0	4,005	4,609	94	97	247	0	247	16.2
295.00	Unincorporated El Dorado County (Remainder Area)	0	146,566	5,048	26,295	110	284	1,491	1,775	82.6
296.00	El Dorado Diamond Springs	0	9,558	6,654	836	117	305	56	361	26.5

VMT Summary by Jurisdiction - 2018 Baseline Scenario (Plus Project) With VMVSP and 25,000 SF Commercial Office Shift to Commercial Retail in VMVSP

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
297.00	Unincorporated El Dorado County (Remainder Area)	0	2,425	3,131	56	70	182	0	182	13.3
298.00	Unincorporated El Dorado County (Remainder Area)	0	3,281	3,781	74	79	206	0	206	15.9
299.00	Unincorporated El Dorado County (Remainder Area)	0	5,049	6,012	106	106	268	0	268	18.8
300.00	Unincorporated El Dorado County (Remainder Area)	0	1,190	1,378	26	28	71	0	71	16.8
301.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	1	2	0	2	0.1
302.00	Unincorporated El Dorado County (Remainder Area)	0	3,994	2,477	501	57	130	33	163	24.5
303.00	El Dorado Diamond Springs	0	3,460	3,641	90	106	231	0	231	15.0
304.00	El Dorado Diamond Springs	0	6,321	377	2,361	12	27	224	251	25.1
305.00	El Dorado Diamond Springs	0	7,582	0	3,144	1	2	283	285	26.6
306.00	El Dorado Diamond Springs	0	1,624	371	626	10	22	55	77	21.1
307.00	El Dorado Diamond Springs	0	622	492	38	16	36	2	38	16.3
308.00	El Dorado Diamond Springs	0	272	270	16	11	25	1	26	10.5
309.00	El Dorado Diamond Springs	0	532	429	53	14	32	4	36	14.8
310.00	El Dorado Diamond Springs	0	4,138	784	1,289	26	59	122	181	22.9
311.00	El Dorado Diamond Springs	0	8,557	1,184	2,117	38	87	158	245	35.0
312.00	El Dorado Diamond Springs	0	867	879	48	31	70	3	73	11.9
313.00	El Dorado Diamond Springs	0	23,540	4,236	6,938	38	99	506	605	38.9
314.00	El Dorado Diamond Springs	0	2,964	3,048	154	81	206	8	214	13.8
315.00	Outside of County	0	0	0	0	0	0	0	0	-
316.00	El Dorado Diamond Springs	0	342	342	9	13	30	0	30	11.5
317.00	El Dorado Diamond Springs	0	206	207	5	8	18	0	18	11.3
318.00	Unincorporated El Dorado County (Remainder Area)	0	4,302	4,617	138	128	326	2	328	13.1
319.00	El Dorado Diamond Springs	0	1,216	1,202	91	38	99	6	105	11.6
320.00	Unincorporated El Dorado County (Remainder Area)	0	5,220	2,255	544	18	44	39	83	62.6
321.00	Unincorporated El Dorado County (Remainder Area)	0	5,267	6,639	103	104	256	0	256	20.5
322.00	Unincorporated El Dorado County (Remainder Area)	0	7,435	7,939	559	153	387	33	420	17.7
323.00	Unincorporated El Dorado County (Remainder Area)	0	2,828	3,421	86	51	129	4	133	21.3
324.00	Unincorporated El Dorado County (Remainder Area)	0	3,629	4,739	62	64	165	0	165	22.0
325.00	Unincorporated El Dorado County (Remainder Area)	0	704	869	14	16	39	0	39	17.8
326.00	Unincorporated El Dorado County (Remainder Area)	0	2,161	2,702	55	49	121	1	122	17.7
327.00	Placerville	0	1,698	1,979	39	40	101	0	101	16.8
328.00	Unincorporated El Dorado County (Remainder Area)	0	845	988	18	19	48	0	48	17.7
329.00	Placerville	0	4,837	5,366	125	139	317	0	317	15.2
330.00	Unincorporated El Dorado County (Remainder Area)	0	2,689	3,077	66	73	184	0	184	14.6
331.00	Unincorporated El Dorado County (Remainder Area)	0	5,795	7,048	118	110	274	0	274	21.2
332.00	Unincorporated El Dorado County (Remainder Area)	0	1,532	1,775	37	47	104	0	104	14.7
333.00	Unincorporated El Dorado County (Remainder Area)	0	4,514	5,608	87	91	226	0	226	20.0
334.00	Unincorporated El Dorado County (Remainder Area)	0	3,816	1,156	1,337	26	58	110	168	22.8
335.00	Unincorporated El Dorado County (Remainder Area)	0	3,001	3,233	126	77	165	5	170	17.7
336.00	Unincorporated El Dorado County (Remainder Area)	0	1,215	1,450	25	30	70	0	70	17.3
337.00	Unincorporated El Dorado County (Remainder Area)	0	9,265	7,596	884	121	302	62	364	25.5
338.00	Unincorporated El Dorado County (Remainder Area)	0	14,041	17,651	376	322	831	14	845	16.6
339.00	Unincorporated El Dorado County (Remainder Area)	0	8,535	12,268	120	188	410	0	410	20.8
340.00	Unincorporated El Dorado County (Remainder Area)	0	6,853	8,483	227	93	205	14	219	31.3
341.00	Unincorporated El Dorado County (Remainder Area)	0	1,484	1,905	87	31	71	8	79	18.8
342.00	Unincorporated El Dorado County (Remainder Area)	0	2,622	3,248	49	48	124	0	124	21.2
343.00	Unincorporated El Dorado County (Remainder Area)	0	3,503	4,096	64	53	116	0	116	30.3
344.00	Unincorporated El Dorado County (Remainder Area)	0	3,776	4,481	68	55	120	0	120	31.5
345.00	Unincorporated El Dorado County (Remainder Area)	0	1,803	1,945	35	29	63	0	63	28.5
346.00	Unincorporated El Dorado County (Remainder Area)	0	1,276	1,395	24	22	49	0	49	25.8
347.00	Unincorporated El Dorado County (Remainder Area)	0	2,921	3,670	49	42	108	0	108	27.0
348.00	Unincorporated El Dorado County (Remainder Area)	0	2,815	2,996	63	49	110	0	110	25.5
349.00	Unincorporated El Dorado County (Remainder Area)	0	6,255	7,930	255	83	191	18	209	29.9
350.00	Unincorporated El Dorado County (Remainder Area)	0	1,174	1,669	17	22	48	0	48	24.4
351.00	Unincorporated El Dorado County (Remainder Area)	0	1,305	1,876	16	23	50	0	50	26.0
352.00	Unincorporated El Dorado County (Remainder Area)	0	1,858	2,620	24	29	63	0	63	29.3
353.00	Unincorporated El Dorado County (Remainder Area)	0	9,013	13,225	101	167	365	1	366	24.7
354.00	Unincorporated El Dorado County (Remainder Area)	0	5,597	3,554	757	53	116	77	193	29.0
355.00	Placerville	1	14,326	6,446	2,980	241	550	244	794	18.0
356.00	Placerville	1	2,486	2,603	74	91	195	0	195	12.8
357.00	Unincorporated El Dorado County (Remainder Area)	0	4,888	3,766	373	89	209	21	230	21.3
358.00	Placerville	0	5,872	2,891	1,203	81	190	98	288	20.4
359.00	Unincorporated El Dorado County (Remainder Area)	0	4,267	5,023	95	105	254	0	254	16.8
360.00	Unincorporated El Dorado County (Remainder Area)	0	5,335	5,728	243	98	237	10	247	21.6
361.00	Placerville	1	17,723	10,073	4,210	458	938	392	1,330	13.3
362.00	Placerville	1	46,546	5,816	11,073	252	591	876	1,467	31.7
363.00	Unincorporated El Dorado County (Remainder Area)	0	326	337	9	13	31	0	31	10.5
364.00	Placerville	0	4,030	3,474	420	138	328	30	358	11.2
365.00	El Dorado Diamond Springs	0	10,877	8,530	1,054	322	722	71	793	13.7
366.00	El Dorado Diamond Springs	0	381	271	43	15	31	4	35	10.8
367.00	El Dorado Diamond Springs	0	4,059	0	1,970	0	0	197	197	20.6
368.00	El Dorado Diamond Springs	0	1,582	1,705	48	68	149	0	149	10.6
369.00	El Dorado Diamond Springs	0	5,656	5,671	285	228	507	13	520	10.9
370.00	El Dorado Diamond Springs	0	6,443	0	3,053	0	0	303	303	21.3

VMT Summary by Jurisdiction - 2018 Baseline Scenario (Plus Project) With VMVSP and 25,000 SF Commercial Office Shift to Commercial Retail in VMVSP

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371.00	El Dorado Diamond Springs	0	739	787	18	21	47	0	47	15.8
372.00	El Dorado Diamond Springs	0	16,958	7,805	2,418	195	433	211	644	26.3
373.00	El Dorado Diamond Springs	0	653	636	19	26	59	0	59	11.1
374.00	El Dorado Diamond Springs	0	414	325	29	13	28	2	30	13.6
375.00	El Dorado Diamond Springs	0	367	363	10	14	32	0	32	11.6
376.00	El Dorado Diamond Springs	0	968	921	57	34	77	3	80	12.1
377.00	El Dorado Diamond Springs	0	563	326	158	13	29	14	43	13.0
378.00	El Dorado Diamond Springs	0	665	643	19	27	59	0	59	11.2
379.00	El Dorado Diamond Springs	0	1,095	1,095	31	48	105	0	105	10.4
380.00	El Dorado Diamond Springs	0	256	242	7	12	26	0	26	9.7
381.00	El Dorado Diamond Springs	0	158	141	5	7	15	0	15	10.3
382.00	El Dorado Diamond Springs	0	261	235	8	11	24	0	24	10.8
383.00	Unincorporated El Dorado County (Remainder Area)	0	1,586	1,720	41	46	102	0	102	15.5
384.00	El Dorado Diamond Springs	0	3,639	3,918	95	120	267	0	267	13.6
385.00	El Dorado Diamond Springs	0	11,666	13,479	338	451	1,002	0	1,002	11.6
386.00	El Dorado Diamond Springs	0	2,645	2,882	67	90	200	0	200	13.2
387.00	El Dorado Diamond Springs	0	1,170	916	108	36	80	8	88	13.3
388.00	El Dorado Diamond Springs	0	6,371	0	3,084	0	0	303	303	21.0
389.00	El Dorado Diamond Springs	0	6,148	11	2,631	2	4	264	268	22.9
390.00	El Dorado Diamond Springs	0	4,300	3,841	361	182	379	23	402	10.7
391.00	El Dorado Diamond Springs	0	2,188	193	551	11	23	54	77	28.4
392.00	El Dorado Diamond Springs	0	670	591	23	28	58	0	58	11.5
393.00	El Dorado Diamond Springs	0	9,001	6,258	1,009	268	605	68	673	13.4
394.00	El Dorado Diamond Springs	0	186	198	5	8	22	0	22	8.5
395.00	Placerville	1	62,602	1,557	26,260	74	166	2,253	2,419	25.9
396.00	El Dorado Diamond Springs	0	28,393	0	5,867	0	0	439	439	64.7
397.00	El Dorado Diamond Springs	0	1,326	1,244	70	50	114	3	117	11.3
398.00	El Dorado Diamond Springs	0	414	318	39	14	32	3	35	11.9
399.00	El Dorado Diamond Springs	0	1,122	1,116	33	43	97	0	97	11.6
400.00	El Dorado Diamond Springs	0	313	258	11	16	33	0	33	9.4
401.00	Placerville	0	9,055	646	2,646	28	63	213	276	32.9
402.00	El Dorado Diamond Springs	0	3,533	1,422	1,082	51	133	106	239	14.8
403.00	El Dorado Diamond Springs	0	24,004	3,677	7,823	124	258	654	912	26.3
404.00	El Dorado Diamond Springs	0	1,343	402	461	19	42	49	91	14.8
405.00	El Dorado Diamond Springs	0	169	147	5	9	20	0	20	8.6
406.00	El Dorado Diamond Springs	0	19,132	544	3,804	24	53	286	339	56.5
407.00	El Dorado Diamond Springs	0	9,592	20	3,392	1	2	309	311	30.8
408.00	El Dorado Diamond Springs	0	4,177	22	1,752	1	2	182	184	22.7
409.00	Placerville	0	18,794	2,973	5,685	104	248	445	693	27.1
410.00	El Dorado Diamond Springs	0	24,471	14,416	3,633	426	1,031	277	1,308	18.7
411.00	Placerville	1	50,976	6,017	13,454	298	712	1,271	1,983	25.7
412.00	Unincorporated El Dorado County (Remainder Area)	0	2,953	3,150	80	86	206	0	206	14.4
413.00	Placerville	0	3,591	3,719	103	126	301	0	301	11.9
414.00	El Dorado Diamond Springs	0	2,622	128	1,188	7	15	120	135	19.5
415.00	Unincorporated El Dorado County (Remainder Area)	0	433	435	12	18	40	0	40	10.7
416.00	El Dorado Diamond Springs	0	147	143	4	9	19	0	19	7.8
417.00	Placerville	1	9,763	1,075	2,899	45	114	278	392	24.9
418.00	Placerville	1	3,211	0	681	0	0	64	64	50.2
419.00	Placerville	1	3,320	0	855	0	0	85	85	39.1
420.00	Placerville	1	1,758	937	505	42	100	52	152	11.5
421.00	Placerville	1	1,653	1,542	99	68	163	5	168	9.9
422.00	Placerville	1	53,202	6,273	24,995	278	652	1,907	2,559	20.8
423.00	Unincorporated El Dorado County (Remainder Area)	0	457	471	12	20	48	0	48	9.6
424.00	Placerville	0	10,244	4,751	2,542	171	391	228	619	16.6
425.00	Placerville	0	53,351	32,001	6,022	1,167	2,617	563	3,180	16.8
426.00	Placerville	0	854	972	20	33	82	0	82	10.4
427.00	Unincorporated El Dorado County (Remainder Area)	0	3,941	4,479	93	93	232	0	232	17.0
428.00	Unincorporated El Dorado County (Remainder Area)	0	640	727	15	22	55	0	55	11.7
429.00	Unincorporated El Dorado County (Remainder Area)	0	1,304	1,629	35	35	83	0	83	15.8
430.00	Unincorporated El Dorado County (Remainder Area)	0	2,520	2,436	180	58	137	10	147	17.2
431.00	Placerville	1	1,800	463	663	22	45	60	105	17.1
432.00	Unincorporated El Dorado County (Remainder Area)	0	15,251	10,326	2,730	309	729	229	958	15.9
433.00	Placerville	1	10,375	9,445	714	481	1,041	36	1,077	9.6
434.00	Placerville	1	671	575	23	33	71	0	71	9.5
435.00	Placerville	1	1,188	633	246	36	77	27	104	11.4
436.00	Unincorporated El Dorado County (Remainder Area)	0	964	1,132	20	25	62	0	62	15.5
437.00	Unincorporated El Dorado County (Remainder Area)	0	5,349	5,582	251	117	287	12	299	17.9
438.00	Unincorporated El Dorado County (Remainder Area)	0	5,571	5,197	236	124	278	11	289	19.3
439.00	Unincorporated El Dorado County (Remainder Area)	0	5,400	6,234	174	156	350	3	353	15.3
440.00	Unincorporated El Dorado County (Remainder Area)	0	1,393	1,087	180	28	63	15	78	17.9
441.00	Placerville	1	360	369	9	12	29	0	29	12.6
442.00	Placerville	1	13,096	10,491	1,051	313	768	69	837	15.7
443.00	Unincorporated El Dorado County (Remainder Area)	0	1,455	1,545	37	38	85	0	85	17.1
444.00	Unincorporated El Dorado County (Remainder Area)	0	198	216	5	8	19	0	19	10.4

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445.00	Placerville	0	1,038	884	153	23	56	11	67	15.4
446.00	Placerville	1	1,767	834	251	25	59	19	78	22.7
447.00	Unincorporated El Dorado County (Remainder Area)	0	3,226	3,909	68	76	189	0	189	17.0
448.00	Placerville	0	1,790	2,056	75	53	130	4	134	13.4
449.00	Unincorporated El Dorado County (Remainder Area)	0	541	566	14	14	30	0	30	18.0
450.00	Unincorporated El Dorado County (Remainder Area)	0	3,259	2,633	398	84	180	31	211	15.5
451.00	Unincorporated El Dorado County (Remainder Area)	0	977	1,019	26	27	58	0	58	16.9
452.00	Placerville	0	6,382	4,054	507	121	259	33	292	21.8
453.00	Placerville	1	2,899	3,018	122	145	310	1	311	9.3
454.00	Unincorporated El Dorado County (Remainder Area)	0	565	533	18	25	54	0	54	10.6
455.00	Unincorporated El Dorado County (Remainder Area)	0	2,700	3,015	67	73	172	0	172	15.7
456.00	Unincorporated El Dorado County (Remainder Area)	0	1,873	2,031	49	51	109	0	109	17.1
457.00	Unincorporated El Dorado County (Remainder Area)	0	2,799	3,021	131	62	137	5	142	19.7
458.00	Placerville	0	2,928	2,555	348	67	157	26	183	16.0
459.00	Placerville	0	308	347	7	11	26	0	26	11.9
460.00	Unincorporated El Dorado County (Remainder Area)	0	1,457	952	268	22	47	20	67	21.7
461.00	Unincorporated El Dorado County (Remainder Area)	0	1,570	219	626	6	14	59	73	21.5
462.00	Unincorporated El Dorado County (Remainder Area)	0	5,251	1,259	1,781	31	66	125	191	27.4
463.00	Unincorporated El Dorado County (Remainder Area)	0	4,435	7,197	40	85	194	0	194	22.8
464.00	Unincorporated El Dorado County (Remainder Area)	0	2,511	3,278	40	47	104	0	104	24.2
465.00	Unincorporated El Dorado County (Remainder Area)	0	3,933	5,662	116	58	134	16	150	26.3
466.00	Unincorporated El Dorado County (Remainder Area)	0	3,524	4,374	204	61	139	22	161	21.8
467.00	Unincorporated El Dorado County (Remainder Area)	0	2,477	3,827	24	39	89	0	89	27.8
468.00	Unincorporated El Dorado County (Remainder Area)	0	6,736	9,684	126	120	277	6	283	23.8
469.00	Unincorporated El Dorado County (Remainder Area)	0	4,069	5,638	138	59	131	15	146	27.9
470.00	Unincorporated El Dorado County (Remainder Area)	0	2,020	3,055	27	32	73	1	74	27.3
471.00	Unincorporated El Dorado County (Remainder Area)	0	1,472	2,028	55	23	53	6	59	25.2
472.00	Unincorporated El Dorado County (Remainder Area)	0	1,945	2,280	149	26	59	20	79	24.5
473.00	Unincorporated El Dorado County (Remainder Area)	0	601	569	30	10	23	2	25	24.0
474.00	Unincorporated El Dorado County (Remainder Area)	0	1,681	2,148	29	37	81	0	81	20.8
475.00	Unincorporated El Dorado County (Remainder Area)	0	1,785	2,355	28	38	83	0	83	21.5
476.00	Unincorporated El Dorado County (Remainder Area)	0	856	1,112	13	16	41	0	41	20.7
477.00	Unincorporated El Dorado County (Remainder Area)	0	2,025	2,534	126	30	69	15	84	24.1
478.00	Unincorporated El Dorado County (Remainder Area)	0	1,470	1,889	24	30	66	0	66	22.3
479.00	Unincorporated El Dorado County (Remainder Area)	0	4,058	3,106	447	51	118	37	155	26.3
480.00	Unincorporated El Dorado County (Remainder Area)	0	1,294	1,989	13	20	46	0	46	28.3
481.00	Unincorporated El Dorado County (Remainder Area)	0	1,332	2,019	15	20	44	0	44	30.3
482.00	Unincorporated El Dorado County (Remainder Area)	0	5,619	7,910	93	74	163	3	166	33.9
483.00	Unincorporated El Dorado County (Remainder Area)	0	4,396	5,151	176	115	249	9	258	17.1
484.00	Unincorporated El Dorado County (Remainder Area)	0	6,719	5,552	961	91	227	114	341	19.7
485.00	Unincorporated El Dorado County (Remainder Area)	0	1,056	1,512	11	15	37	0	37	28.2
486.00	Unincorporated El Dorado County (Remainder Area)	0	4,047	5,846	48	69	156	0	156	26.0
487.00	Unincorporated El Dorado County (Remainder Area)	0	11,783	11,159	751	221	519	36	555	21.2
488.00	Unincorporated El Dorado County (Remainder Area)	0	5,483	7,462	88	107	242	0	242	22.7
489.00	Unincorporated El Dorado County (Remainder Area)	0	6,835	6,953	672	133	300	58	358	19.1
490.00	Unincorporated El Dorado County (Remainder Area)	0	1,167	1,510	20	24	60	0	60	19.5
491.00	Unincorporated El Dorado County (Remainder Area)	0	7,339	8,984	180	160	399	3	402	18.3
492.00	Unincorporated El Dorado County (Remainder Area)	0	5,039	4,407	416	71	176	31	207	24.3
493.00	Unincorporated El Dorado County (Remainder Area)	0	5,120	4,533	376	72	178	26	204	25.0
494.00	Unincorporated El Dorado County (Remainder Area)	0	3,237	3,905	140	68	170	10	180	18.0
495.00	Unincorporated El Dorado County (Remainder Area)	0	649	838	11	16	40	0	40	16.3
496.00	Unincorporated El Dorado County (Remainder Area)	0	7,360	4,482	845	81	201	67	268	27.5
497.00	Unincorporated El Dorado County (Remainder Area)	0	4,288	5,631	102	88	224	3	227	18.9
498.00	Unincorporated El Dorado County (Remainder Area)	0	3,417	4,403	106	70	158	6	164	20.8
499.00	Unincorporated El Dorado County (Remainder Area)	0	1,328	1,759	22	30	75	0	75	17.8
500.00	Unincorporated El Dorado County (Remainder Area)	0	4,181	1,384	614	11	26	51	77	54.4
501.00	Unincorporated El Dorado County (Remainder Area)	0	2,806	999	782	22	49	83	132	21.3
502.00	Unincorporated El Dorado County (Remainder Area)	0	6,977	7,579	358	117	272	18	290	24.0
503.00	Unincorporated El Dorado County (Remainder Area)	0	4,197	0	1,027	1	2	76	78	53.7
504.00	Unincorporated El Dorado County (Remainder Area)	0	6,059	6,390	349	141	313	19	332	18.3
505.00	Unincorporated El Dorado County (Remainder Area)	0	74	85	1	3	7	0	7	11.1
506.00	Unincorporated El Dorado County (Remainder Area)	0	1,020	1,223	23	28	62	0	62	16.4
507.00	Unincorporated El Dorado County (Remainder Area)	0	2,735	2,337	399	50	116	37	153	17.8
508.00	Unincorporated El Dorado County (Remainder Area)	0	6,677	3,435	1,871	85	184	186	370	18.1
509.00	Unincorporated El Dorado County (Remainder Area)	0	390	419	22	12	27	2	29	13.6
510.00	Unincorporated El Dorado County (Remainder Area)	0	3,205	3,434	160	92	199	10	209	15.3
511.00	Unincorporated El Dorado County (Remainder Area)	0	2,732	1,848	366	45	105	33	138	19.8
512.00	Unincorporated El Dorado County (Remainder Area)	0	2,830	1,947	373	37	86	27	113	25.0
513.00	Unincorporated El Dorado County (Remainder Area)	0	7,367	10,624	86	142	354	0	354	20.8
514.00	Unincorporated El Dorado County (Remainder Area)	0	31,679	46,536	317	622	1,551	0	1,551	20.4
515.00	Unincorporated El Dorado County (Remainder Area)	0	3,572	4,716	107	69	176	8	184	19.4
516.00	Unincorporated El Dorado County (Remainder Area)	0	8,068	11,675	89	142	362	0	362	22.3
517.00	Unincorporated El Dorado County (Remainder Area)	0	18,793	20,833	1,136	388	857	101	958	19.6
518.00	Unincorporated El Dorado County (Remainder Area)	0	11,791	15,449	312	289	671	17	688	17.1

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519.00	Unincorporated El Dorado County (Remainder Area)	0	5,814	7,681	194	142	330	12	342	17.0
520.00	Unincorporated El Dorado County (Remainder Area)	0	11,808	15,836	273	266	617	12	629	18.8
521.00	Unincorporated El Dorado County (Remainder Area)	0	10,724	12,826	593	290	641	60	701	15.3
522.00	Unincorporated El Dorado County (Remainder Area)	0	5,040	7,110	66	85	221	0	221	22.8
523.00	Unincorporated El Dorado County (Remainder Area)	0	16,349	10,091	1,952	240	588	206	794	20.6
524.00	Unincorporated El Dorado County (Remainder Area)	0	15,057	12,789	1,136	205	490	103	593	25.4
525.00	Unincorporated El Dorado County (Remainder Area)	0	4,866	7,113	45	85	199	0	199	24.4
526.00	Unincorporated El Dorado County (Remainder Area)	0	246	336	3	5	12	0	12	20.2
527.00	Unincorporated El Dorado County (Remainder Area)	0	7,672	9,317	369	162	380	38	418	18.4
528.00	Unincorporated El Dorado County (Remainder Area)	0	59,684	83,979	818	1,001	2,429	72	2,501	23.9
529.00	Unincorporated El Dorado County (Remainder Area)	0	915	1,143	13	15	36	0	36	25.2
530.00	Unincorporated El Dorado County (Remainder Area)	0	12,914	17,289	196	191	462	0	462	28.0
531.00	Unincorporated El Dorado County (Remainder Area)	0	2,528	3,391	36	34	82	0	82	30.7
532.00	Unincorporated El Dorado County (Remainder Area)	0	3,992	5,134	61	61	147	0	147	27.1
533.00	Unincorporated El Dorado County (Remainder Area)	0	9,331	8,547	661	105	271	34	305	30.6
534.00	Unincorporated El Dorado County (Remainder Area)	0	3,780	4,938	54	53	128	0	128	29.5
535.00	Unincorporated El Dorado County (Remainder Area)	0	5,917	7,759	76	91	221	0	221	26.7
536.00	Unincorporated El Dorado County (Remainder Area)	0	5,068	6,530	66	82	200	0	200	25.4
537.00	Unincorporated El Dorado County (Remainder Area)	0	10,358	14,057	110	165	402	0	402	25.8
538.00	Unincorporated El Dorado County (Remainder Area)	0	3,968	3,023	312	44	107	22	129	30.8
539.00	Unincorporated El Dorado County (Remainder Area)	0	13,184	1,382	2,131	6	15	166	181	73.0
540.00	Unincorporated El Dorado County (Remainder Area)	0	2,873	0	587	0	0	53	53	54.2
541.00	Unincorporated El Dorado County (Remainder Area)	0	1,044	1,104	63	18	42	6	48	21.6
542.00	Unincorporated El Dorado County (Remainder Area)	0	3,594	3,045	421	52	123	37	160	22.5
543.00	Unincorporated El Dorado County (Remainder Area)	0	10,591	2,407	1,801	49	114	107	221	47.8
544.00	Unincorporated El Dorado County (Remainder Area)	0	679	492	105	9	21	8	29	23.4
545.00	Unincorporated El Dorado County (Remainder Area)	0	1,520	2,036	17	23	54	0	54	28.3
546.00	Unincorporated El Dorado County (Remainder Area)	0	4,812	6,413	55	61	143	0	143	33.8
547.00	Unincorporated El Dorado County (Remainder Area)	0	4,042	516	493	10	23	46	69	58.3
548.00	Unincorporated El Dorado County (Remainder Area)	0	17,364	23,011	476	386	910	22	932	18.6
549.00	Unincorporated El Dorado County (Remainder Area)	0	2,152	2,691	39	42	99	0	99	21.7
550.00	Unincorporated El Dorado County (Remainder Area)	0	264	344	4	7	18	0	18	14.7
551.00	Unincorporated El Dorado County (Remainder Area)	0	5,429	2,496	793	41	105	54	159	34.0
552.00	Unincorporated El Dorado County (Remainder Area)	0	2,446	418	508	8	19	32	51	48.3
553.00	Unincorporated El Dorado County (Remainder Area)	0	1,559	2,030	27	32	75	0	75	20.8
554.00	Unincorporated El Dorado County (Remainder Area)	0	4,013	5,167	107	83	194	4	198	20.3
555.00	Unincorporated El Dorado County (Remainder Area)	0	1,637	2,202	24	34	80	0	80	20.4
556.00	Unincorporated El Dorado County (Remainder Area)	0	5,063	6,908	68	82	192	0	192	26.4
557.00	Unincorporated El Dorado County (Remainder Area)	0	1,685	2,069	32	35	82	1	83	20.4
558.00	Unincorporated El Dorado County (Remainder Area)	0	2,712	2,971	167	36	84	19	103	26.2
559.00	Unincorporated El Dorado County (Remainder Area)	0	1,367	1,806	18	25	59	0	59	23.3
560.00	Unincorporated El Dorado County (Remainder Area)	0	1,595	1,647	102	27	63	10	73	21.8
561.00	Unincorporated El Dorado County (Remainder Area)	0	1,170	1,555	18	22	52	0	52	22.5
562.00	Unincorporated El Dorado County (Remainder Area)	0	4,005	5,872	40	62	145	0	145	27.5
563.00	Unincorporated El Dorado County (Remainder Area)	0	2,195	3,332	17	32	71	0	71	31.0
564.00	Unincorporated El Dorado County (Remainder Area)	0	615	821	10	14	33	0	33	18.4
565.00	Unincorporated El Dorado County (Remainder Area)	0	2,603	3,607	39	56	129	0	129	20.1
566.00	Unincorporated El Dorado County (Remainder Area)	0	3,960	5,295	72	93	220	1	221	17.9
567.00	Unincorporated El Dorado County (Remainder Area)	0	663	797	26	18	42	2	44	15.2
568.00	Unincorporated El Dorado County (Remainder Area)	0	919	1,231	15	26	62	0	62	14.9
569.00	Unincorporated El Dorado County (Remainder Area)	0	3,688	2,786	304	61	144	31	175	21.0
570.00	Unincorporated El Dorado County (Remainder Area)	0	4,799	2,124	790	40	92	92	184	26.0
571.00	Unincorporated El Dorado County (Remainder Area)	0	1,356	1,806	22	33	76	0	76	17.8
572.00	Unincorporated El Dorado County (Remainder Area)	0	1,858	1,349	267	25	61	34	95	19.5
573.00	Unincorporated El Dorado County (Remainder Area)	0	6,514	7,821	124	89	197	2	199	32.8
574.00	Unincorporated El Dorado County (Remainder Area)	0	5,017	7,931	31	71	174	0	174	28.8
575.00	Unincorporated El Dorado County (Remainder Area)	0	2,768	4,090	16	29	71	0	71	38.9
576.00	Unincorporated El Dorado County (Remainder Area)	0	1,084	1,522	17	19	42	1	43	25.2
577.00	Unincorporated El Dorado County (Remainder Area)	0	743	1,100	7	13	29	0	29	25.9
578.00	Unincorporated El Dorado County (Remainder Area)	0	23,401	37,085	107	370	817	0	817	28.6
579.00	Unincorporated El Dorado County (Remainder Area)	0	3,781	5,249	102	38	96	12	108	34.9
580.00	Unincorporated El Dorado County (Remainder Area)	0	2,878	4,106	63	35	89	5	94	30.7
581.00	Unincorporated El Dorado County (Remainder Area)	0	4,272	5,078	297	43	95	32	127	33.8
582.00	Unincorporated El Dorado County (Remainder Area)	0	1,261	1,702	17	13	34	0	34	37.3
583.00	Unincorporated El Dorado County (Remainder Area)	0	27,574	42,986	216	352	774	10	784	35.2
584.00	Unincorporated El Dorado County (Remainder Area)	0	1,744	2,092	56	18	40	3	43	40.9
585.00	Unincorporated El Dorado County (Remainder Area)	0	9,548	14,305	79	124	273	0	273	35.0
586.00	Unincorporated El Dorado County (Remainder Area)	0	5,848	2,479	1,586	51	91	92	183	32.0
587.00	Unincorporated El Dorado County (Remainder Area)	0	2,259	3,376	18	39	99	0	99	22.7
588.00	Unincorporated El Dorado County (Remainder Area)	0	19,604	29,853	128	323	805	0	805	24.3
589.00	Unincorporated El Dorado County (Remainder Area)	0	392	623	2	3	12	0	12	32.6
590.00	Unincorporated El Dorado County (Remainder Area)	0	820	1,121	12	18	46	0	46	18.0
591.00	Unincorporated El Dorado County (Remainder Area)	0	86	120	1	3	8	0	8	11.3
592.00	Unincorporated El Dorado County (Remainder Area)	0	12,591	12,937	754	339	749	91	840	15.0

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593.00	Unincorporated El Dorado County (Remainder Area)	0	6,840	8,883	269	151	382	28	410	16.7
594.00	Unincorporated El Dorado County (Remainder Area)	0	16,774	24,409	185	312	790	5	795	21.1
595.00	Unincorporated El Dorado County (Remainder Area)	0	1,929	1,798	270	25	56	31	87	22.1
596.00	Unincorporated El Dorado County (Remainder Area)	0	2,819	2,740	225	34	85	25	110	25.7
597.00	Unincorporated El Dorado County (Remainder Area)	0	11,038	3,925	1,954	106	234	278	512	21.5
598.00	Unincorporated El Dorado County (Remainder Area)	0	1,724	531	264	14	31	35	66	26.1
599.00	Unincorporated El Dorado County (Remainder Area)	0	702	947	12	17	38	0	38	18.7
600.00	Unincorporated El Dorado County (Remainder Area)	0	11,170	10,824	1,292	205	453	130	583	19.2
601.00	Unincorporated El Dorado County (Remainder Area)	0	1,334	1,886	4	10	22	0	22	60.7
602.00	Unincorporated El Dorado County (Remainder Area)	0	435	135	54	3	5	2	7	59.3
603.00	Unincorporated El Dorado County (Remainder Area)	0	904	717	85	11	20	2	22	41.9
604.00	Unincorporated El Dorado County (Remainder Area)	0	1,415	1,764	111	17	33	3	36	39.2
605.00	Unincorporated El Dorado County (Remainder Area)	0	1,671	1,765	88	18	38	2	40	41.8
606.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
607.00	Unincorporated El Dorado County (Remainder Area)	0	3,520	4,824	12	19	49	0	49	71.3
608.00	Unincorporated El Dorado County (Remainder Area)	0	6	0	0	1	2	0	2	2.9
609.00	Unincorporated El Dorado County (Remainder Area)	0	3,012	3,140	119	34	72	4	76	39.8
610.00	El Dorado Hills	0	38,164	185	19,712	0	0	1,745	1,745	21.9
611.00	El Dorado Hills	0	313	0	10	153	0	1	1	313.3
612.00	El Dorado Hills	0	78,709	0	43,369	0	0	3,121	3,121	25.2
613.00	Unincorporated El Dorado County (Remainder Area)	0	69	67	1	2	5	0	5	13.5
614.00	El Dorado Hills	0	5,978	7,192	111	150	383	0	383	15.6
615.00	El Dorado Hills	0	12,015	9,109	1,002	150	402	75	477	25.2
616.00	El Dorado Hills	0	1,378	1,663	24	37	94	0	94	14.7
617.00	El Dorado Hills	0	20,558	12,839	1,214	187	547	118	665	30.9
618.00	El Dorado Hills	0	3,065	0	1,213	0	0	146	146	21.0
619.00	El Dorado Hills	0	3,376	0	1,226	0	0	151	151	22.4
620.00	El Dorado Hills	0	17,645	3,504	1,737	0	0	188	188	93.9
621.00	El Dorado Hills	0	14,279	18,895	219	327	957	0	957	14.9
622.00	El Dorado Hills	0	22,004	21,775	1,603	370	1,083	147	1,230	17.9
623.00	Unincorporated El Dorado County (Remainder Area)	0	389	0	175	0	0	16	16	24.3
624.00	El Dorado Hills	0	15,699	17,793	1,148	308	905	96	1,001	15.7
625.00	El Dorado Hills	0	848	0	403	0	0	40	40	21.2
626.00	Unincorporated El Dorado County (Remainder Area)	0	7,960	7,398	849	164	383	98	481	16.6
627.00	Unincorporated El Dorado County (Remainder Area)	0	51,520	0	10,428	0	0	897	897	57.4
628.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
629.00	Unincorporated El Dorado County (Remainder Area)	0	30,661	0	10,576	0	0	1,595	1,595	19.2
630.00	Unincorporated El Dorado County (Remainder Area)	0	171,278	237,101	1,532	4,036	11,894	0	11,894	14.4
631.00	Unincorporated El Dorado County (Remainder Area)	0	13,626	0	1,858	0	0	202	202	67.5
632.00	Unincorporated El Dorado County (Remainder Area)	0	1,449	1,761	24	37	94	0	94	15.5
633.00	Unincorporated El Dorado County (Remainder Area)	0	6,295	7,574	118	150	379	0	379	16.6
634.00	Unincorporated El Dorado County (Remainder Area)	0	6,568	7,878	118	150	379	0	379	17.3
635.00	Unincorporated El Dorado County (Remainder Area)	0	5,072	6,062	91	113	286	0	286	17.7
636.00	Unincorporated El Dorado County (Remainder Area)	0	4,516	6,250	79	120	322	0	322	14.0
637.00	Unincorporated El Dorado County (Remainder Area)	0	8,114	10,032	137	171	458	0	458	17.7
638.00	Unincorporated El Dorado County (Remainder Area)	0	1,044	1,284	16	23	62	0	62	16.9
639.00	Unincorporated El Dorado County (Remainder Area)	0	2,272	2,839	36	46	123	0	123	18.4
640.00	Unincorporated El Dorado County (Remainder Area)	0	7,753	9,738	124	176	472	0	472	16.4
641.00	Unincorporated El Dorado County (Remainder Area)	0	2,107	2,641	33	46	123	0	123	17.1
642.00	Unincorporated El Dorado County (Remainder Area)	0	28,523	33,818	1,251	637	1,708	93	1,801	15.8
643.00	Unincorporated El Dorado County (Remainder Area)	0	9,654	12,079	159	216	579	0	579	16.7
644.00	Unincorporated El Dorado County (Remainder Area)	0	2,937	3,713	46	76	194	0	194	15.1
645.00	Unincorporated El Dorado County (Remainder Area)	0	21,398	24,855	968	415	1,059	51	1,110	19.3
646.00	Unincorporated El Dorado County (Remainder Area)	0	8,879	11,042	156	192	490	0	490	18.1
647.00	Unincorporated El Dorado County (Remainder Area)	0	1,591	1,902	69	38	97	6	103	15.5
648.00	Unincorporated El Dorado County (Remainder Area)	0	1,821	2,183	46	38	97	2	99	18.4
649.00	Unincorporated El Dorado County (Remainder Area)	0	5,621	3,176	32	38	97	0	97	58.0
650.00	Outside of County	0	3,031,271	1,488,300	481,171	0	0	0	0	-
651.00	Outside of County	0	28,595	14,276	4,322	0	0	0	0	-
652.00	Outside of County	0	0	0	0	0	0	0	0	-
653.00	Outside of County	0	393,548	159,458	52,143	0	0	0	0	-
654.00	Outside of County	0	56,539	9,108	2,932	0	0	0	0	-
655.00	Outside of County	0	271,169	107,290	35,943	0	0	0	0	-
656.00	Outside of County	0	78,187	18,145	8,936	0	0	0	0	-
657.00	Outside of County	0	187,676	8,203	3,941	0	0	0	0	-
658.00	Outside of County	0	0	0	0	0	0	0	0	-
659.00	Outside of County	0	7,613	3,121	1,440	0	0	0	0	-
660.00	Outside of County	0	165,602	82,445	33,051	0	0	0	0	-
661.00	Outside of County	0	157,505	71,084	26,218	0	0	0	0	-
662.00	Outside of County	0	702,437	337,045	121,060	0	0	0	0	-
663.00	Outside of County	0	683,488	227,303	82,140	0	0	0	0	-
664.00	Outside of County	0	350,311	190,307	56,199	0	0	0	0	-
665.00	Outside of County	0	201,980	80,258	31,526	0	0	0	0	-
666.00	Outside of County	0	89,008	45,123	14,622	0	0	0	0	-

VMT Summary by Jurisdiction - 2018 Baseline Scenario (Plus Project) With VMVSP and 25,000 SF Commercial Office Shift to Commercial Retail in VMVSP

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
667.00	Outside of County	0	0	0	0	0	0	0	0	-
668.00	Outside of County	0	513,578	313,645	0	0	0	0	0	-
669.00	Outside of County	0	0	0	0	0	0	0	0	-
670.00	Outside of County	0	0	0	0	0	0	0	0	-
671.00	Outside of County	0	170,693	95,817	24,320	0	0	0	0	-
672.00	Outside of County	0	33,271	34,285	0	0	0	0	0	-
673.00	Outside of County	0	24,893	14,892	0	0	0	0	0	-
674.00	Outside of County	0	355,371	29,846	0	0	0	0	0	-

2040 Baseline Scenario (Plus Project With VMVSP)

-AND-

25,000 SF Commercial Office Shift to Commercial Retail in VMVSP

VMT Summary by Jurisdiction - 2040 Baseline Scenario (Plus Project) With VMVSP and 25,000 SF Commercial Office Shift to Commercial Retail in VMVSP

	VMT Estimates			VMT Efficiency Metrics			Population Details				
Jurisdiction	Total OD VMT	Home-based PA VMT	Home-based Work PA VMT	Total VMT per Service Population	Home-based VMT per Capita	Home-based Work VMT per Employee	Total Households	Total Population	Total Employment	Total Service Population	Persons Per Household
City of Placerville	405,815	62,520	106,790	26.5	8.2	14.0	2,914	7,658	7,639	15,297	2.63
Unincorporated El Dorado County	5,186,530	3,291,632	682,065	22.7	17.0	19.5	59,091	193,808	34,923	228,731	3.28
629	26,554	0	10,147	16.65		6.4	0	0	1,595	1,595	
630	128,771	172,715	1,595	10.83	14.5		4,036	11,894	0	11,894	2.95
631	12,558	0	1,785	62.17		8.8	0	0	202	202	
				Threshold	14.5	10.2					

VMT Summary by Jurisdiction - 2040 Baseline Scenario (Plus Project) With VMVSP and 25,000 SF Commercial Office Shift to Commercial Retail in VMVSP

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
1.00	Unincorporated El Dorado County (Remainder Area)	0	5,620	1,750	831	46	99	16	115	48.9
2.00	Unincorporated El Dorado County (Remainder Area)	0	23,145	24,201	885	525	1,338	34	1,372	16.9
3.00	Unincorporated El Dorado County (Remainder Area)	0	5,316	6,569	99	34	180	0	180	29.6
4.00	Unincorporated El Dorado County (Remainder Area)	0	1,063	1,358	17	16	35	2	37	28.9
5.00	Unincorporated El Dorado County (Remainder Area)	0	2,584	3,580	27	33	73	0	73	35.4
6.00	Unincorporated El Dorado County (Remainder Area)	0	13,801	15,869	512	270	847	9	856	16.1
7.00	Unincorporated El Dorado County (Remainder Area)	0	24,168	26,516	1,367	516	1,223	71	1,294	18.7
8.00	Unincorporated El Dorado County (Remainder Area)	0	11,349	572	1,992	14	38	60	98	116.3
9.00	Unincorporated El Dorado County (Remainder Area)	0	25,171	30,464	634	482	1,400	117	1,517	16.6
10.00	Outside of County	0	109,083	88,336	11,304	0	5,588	0	5,588	19.5
11.00	Outside of County	0	112,856	81,621	13,776	0	5,511	0	5,511	20.5
12.00	Outside of County	0	59,316	45,345	4,892	663	3,234	96	3,330	17.8
13.00	Outside of County	0	34,763	40,348	1,550	775	2,458	0	2,458	14.1
14.00	Outside of County	0	58,643	67,830	1,717	1,502	4,120	32	4,152	14.1
15.00	Outside of County	0	3,063	3,934	60	10	166	0	166	18.5
16.00	Outside of County	0	56,463	21,897	7,584	149	1,614	434	2,048	27.6
17.00	Outside of County	0	161,073	139,654	14,191	0	7,160	0	7,160	22.5
18.00	Outside of County	0	84,383	95,653	3,662	41	4,652	0	4,652	18.1
19.00	Outside of County	0	10,470	5,853	1,101	0	217	0	217	48.2
20.00	Outside of County	0	7,664	141	4,133	1	7	5	12	638.7
21.00	Outside of County	0	26,348	73	13,798	1	4	112	116	227.1
22.00	Outside of County	0	1,697	10	342	2	1	23	24	70.7
23.00	Outside of County	0	29,361	12,814	3,732	101	322	244	566	51.9
24.00	Outside of County	0	4,203	3,075	142	1	133	0	133	31.6
25.00	Outside of County	0	0	0	0	0	0	0	0	-
26.00	Outside of County	0	109,338	102,094	8,043	0	5,070	0	5,070	21.6
27.00	Outside of County	0	8,228	75	3,049	2	5	22	27	304.7
28.00	Outside of County	0	240,517	199,274	17,175	123	12,553	6	12,559	19.2
29.00	Outside of County	0	8,624	10,930	163	72	486	5	491	17.6
30.00	Outside of County	0	70,843	72,639	5,865	0	3,041	133	3,174	22.3
31.00	Outside of County	0	10,411	5,376	607	44	106	45	151	68.8
32.00	Outside of County	0	29,783	38,370	693	676	1,811	0	1,811	16.4
33.00	Outside of County	0	38,347	47,488	1,381	0	2,183	0	2,183	17.6
34.00	Outside of County	0	6,128	5,939	710	75	156	16	172	35.6
35.00	Outside of County	0	30,639	36,844	786	0	2,092	0	2,092	14.6
36.00	Outside of County	0	37,179	44,662	918	0	2,318	0	2,318	16.0
37.00	Outside of County	0	58,743	2,550	22,209	0	142	178	320	183.9
38.00	Outside of County	0	6,766	3,923	643	0	142	0	142	47.8
39.00	Outside of County	0	17,079	14,660	2,147	666	1,180	227	1,407	12.1
40.00	Outside of County	0	76,510	22,254	16,444	916	1,972	1,839	3,811	20.1
41.00	Outside of County	0	35,585	24,532	7,705	544	1,368	203	1,571	22.6
42.00	Outside of County	0	176,455	97,091	25,000	0	5,108	0	5,108	34.5
43.00	Outside of County	0	34,494	39,968	983	828	2,170	0	2,170	15.9
44.00	Outside of County	0	110,723	80,557	8,948	1,069	4,654	95	4,749	23.3
45.00	Outside of County	0	73,005	23,236	12,260	906	1,936	1,357	3,293	22.2
46.00	Outside of County	0	5,925	6,410	152	0	375	0	375	15.8
47.00	Outside of County	0	202,833	9,397	81,643	0	681	2,398	3,079	65.9
48.00	Outside of County	0	48,343	42,635	3,806	1,203	3,071	121	3,192	15.1
49.00	Outside of County	0	110,539	581	50,496	0	45	4,642	4,687	23.6
50.00	Outside of County	0	73,431	35,925	22,201	1,025	2,487	826	3,313	22.2
51.00	Outside of County	0	98,561	51,734	15,915	1,768	4,116	1,237	5,353	18.4
52.00	Outside of County	0	30,657	15,209	3,208	297	629	240	869	35.3
53.00	Outside of County	0	78,579	47,695	11,000	1,335	3,606	377	3,983	19.7
54.00	Outside of County	0	60,074	22,200	22,621	476	1,220	1,827	3,047	19.7
55.00	Outside of County	0	77,306	30,008	14,080	675	1,471	800	2,271	34.0
56.00	Outside of County	0	35,699	39,869	1,303	820	2,337	4	2,341	15.2
57.00	Outside of County	0	106,001	23,951	46,498	0	1,466	7,375	8,841	12.0
58.00	Outside of County	0	36,069	25,934	4,492	465	1,587	388	1,975	18.3
59.00	Outside of County	0	45,282	88	27,250	2	5	9	14	3,234.5
60.00	Outside of County	0	68,402	8,144	31,294	238	512	4,236	4,748	14.4
61.00	Outside of County	0	140,397	85,827	22,841	2,205	5,595	797	6,392	22.0
62.00	Outside of County	0	51,918	1,894	24,168	4	110	1,150	1,260	41.2
63.00	Outside of County	0	66,402	5,258	27,535	340	350	3,083	3,433	19.3
64.00	Outside of County	0	129,586	73,026	21,052	865	5,053	560	5,613	23.1
65.00	Outside of County	0	5,607	6,291	128	136	328	0	328	17.1
66.00	Outside of County	0	37,696	27,947	4,251	826	2,117	172	2,289	16.5
67.00	Outside of County	0	117,894	21,792	39,309	0	1,374	178	1,552	76.0
68.00	Outside of County	0	38,769	12,343	10,996	616	946	679	1,625	23.9
69.00	Outside of County	0	241,329	68,463	98,069	1,588	5,172	2,320	7,492	32.2
70.00	Outside of County	0	161,697	1,074	98,420	0	38	6,956	6,994	23.1
71.00	Outside of County	0	217,342	129,987	32,361	1,231	6,730	121	6,851	31.7
72.00	Outside of County	0	271,761	777	156,578	0	0	5,133	5,133	52.9
73.00	Outside of County	0	96,937	0	61,364	0	0	5,627	5,627	17.2
74.00	Outside of County	0	135,102	17,115	67,220	435	1,335	4,728	6,063	22.3

VMT Summary by Jurisdiction - 2040 Baseline Scenario (Plus Project) With VMVSP and 25,000 SF Commercial Office Shift to Commercial Retail in VMVSP

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
75.00	Outside of County	0	84,169	61,286	17,244	1,936	4,535	1,866	6,401	13.1
76.00	Outside of County	0	27,792	16,850	3,870	508	1,333	297	1,630	17.1
77.00	Outside of County	0	79,845	41,139	19,589	1,155	2,684	1,659	4,343	18.4
78.00	Outside of County	0	71,047	0	20,568	0	2	1,567	1,569	45.3
79.00	Outside of County	0	76,049	57,578	9,346	0	3,258	20	3,278	23.2
80.00	Outside of County	0	33,773	0	16,579	0	0	1,410	1,410	24.0
81.00	Outside of County	0	179,642	0	101,573	0	0	4,951	4,951	36.3
82.00	Outside of County	0	52,635	0	26,406	0	0	1,787	1,787	29.5
83.00	Outside of County	0	51,622	34,504	6,844	0	1,536	0	1,536	33.6
84.00	Outside of County	0	51,852	41,801	4,139	1,226	3,049	405	3,454	15.0
85.00	Outside of County	0	54,564	45,470	4,704	1,295	3,154	253	3,407	16.0
86.00	Outside of County	0	85,212	60,748	8,329	1,968	4,538	754	5,292	16.1
87.00	Outside of County	0	63,625	50,415	7,628	2,114	3,996	800	4,796	13.3
88.00	Outside of County	0	71,374	42,312	8,367	1,099	2,955	762	3,717	19.2
89.00	Outside of County	0	18,795	0	6,093	0	0	293	293	64.1
90.00	Outside of County	0	57,276	1,996	28,395	0	157	592	749	76.4
91.00	Outside of County	0	99,671	13,476	36,865	383	997	4,100	5,097	19.6
92.00	Outside of County	0	51,010	47,665	2,508	1,139	2,964	141	3,105	16.4
93.00	Outside of County	0	93,600	65,284	18,806	0	3,459	0	3,459	27.1
94.00	Outside of County	0	1,127	101	462	6	4	0	4	281.8
95.00	Outside of County	0	120,250	0	63,993	0	0	27	27	4,453.7
96.00	Outside of County	0	161,534	53,486	54,778	0	2,520	12	2,532	63.8
97.00	Outside of County	0	57,187	50,745	4,518	2	2,624	0	2,624	21.8
98.00	Outside of County	0	84,717	13,340	27,541	10	984	2,289	3,273	25.9
99.00	Outside of County	0	71,658	27,860	23,328	791	1,976	958	2,934	24.4
100.00	Outside of County	0	21,393	26,693	446	84	1,178	0	1,178	18.2
101.00	Outside of County	0	54,650	41,259	8,886	0	2,253	320	2,573	21.2
102.00	Outside of County	0	22,219	5,135	6,227	51	237	53	290	76.7
103.00	Outside of County	0	95,968	105,740	4,032	910	5,823	0	5,823	16.5
104.00	Outside of County	0	60,360	9,095	13,089	0	451	0	451	133.9
105.00	Outside of County	0	40,609	51,743	890	0	2,513	0	2,513	16.2
106.00	Outside of County	0	6,851	0	3,201	0	0	70	70	97.9
107.00	Outside of County	0	298,497	40,543	95,682	0	3,008	3,135	6,143	48.6
108.00	Outside of County	0	27,329	17,103	5,759	0	988	15	1,003	27.3
109.00	Outside of County	0	16,693	0	7,443	0	0	238	238	70.1
110.00	Outside of County	0	62,489	8,699	28,963	205	495	1,610	2,105	29.7
111.00	Outside of County	0	82,704	7,485	15,484	350	512	1,151	1,663	49.7
112.00	Outside of County	0	134,893	30,776	27,183	747	2,056	2,117	4,173	32.3
113.00	Outside of County	0	54,057	118	24,006	0	0	4,022	4,022	13.4
114.00	Outside of County	0	36,138	29,588	6,456	770	2,141	660	2,801	12.9
115.00	Outside of County	0	153,734	86,540	20,966	0	4,875	0	4,875	31.5
116.00	Outside of County	0	2,997	0	1,492	0	0	0	0	-
117.00	Outside of County	0	52,071	17,448	15,467	401	920	1,492	2,412	21.6
118.00	Outside of County	0	77,005	81,190	3,275	2,313	6,182	187	6,369	12.1
119.00	Outside of County	0	134,181	7,186	62,681	214	540	6,545	7,085	18.9
120.00	Outside of County	0	177,774	0	43,494	0	0	4,131	4,131	43.0
121.00	Outside of County	0	137,893	48,735	19,618	1,642	3,882	1,724	5,606	24.6
122.00	Outside of County	0	56,648	15,072	10,542	619	1,248	1,071	2,319	24.4
123.00	Outside of County	0	28,778	7,064	5,129	200	547	855	1,402	20.5
124.00	Outside of County	0	52,946	48,170	2,815	1,240	2,229	328	2,557	20.7
125.00	Outside of County	0	28,095	10,044	5,623	389	817	781	1,598	17.6
126.00	Outside of County	0	16,209	4,863	2,938	136	342	129	471	34.4
127.00	Outside of County	0	38,722	33,713	2,410	800	1,855	117	1,972	19.6
128.00	Outside of County	0	66,089	47,206	6,855	999	2,600	767	3,367	19.6
129.00	Outside of County	0	41,412	43,686	1,848	994	2,302	0	2,302	18.0
130.00	Outside of County	0	21,089	9,184	2,698	369	786	416	1,202	17.5
131.00	Outside of County	0	47,683	14,799	11,426	607	1,013	1,278	2,291	20.8
132.00	Outside of County	0	28,037	23,277	2,792	407	1,258	260	1,518	18.5
133.00	Outside of County	0	119,774	58,468	14,648	2,087	5,182	1,475	6,657	18.0
134.00	Outside of County	0	61,749	30,078	18,312	1,075	2,483	1,492	3,975	15.5
135.00	Outside of County	0	50,425	0	27,825	0	0	2,114	2,114	23.9
136.00	Outside of County	0	25,870	27,691	1,379	669	1,688	82	1,770	14.6
137.00	Outside of County	0	112,661	102,870	7,067	2,349	6,986	673	7,659	14.7
138.00	El Dorado Diamond Springs	0	21,887	6,081	4,345	161	577	25	602	36.4
139.00	El Dorado Diamond Springs	0	10,564	1,338	1,716	62	144	55	199	53.1
140.00	El Dorado Diamond Springs	0	57,022	127	10,327	10	22	383	405	140.8
141.00	Unincorporated El Dorado County (Remainder Area)	0	1,500	1,682	28	21	49	2	51	29.3
142.00	Unincorporated El Dorado County (Remainder Area)	0	6,595	6,512	172	157	347	0	347	19.0
143.00	Unincorporated El Dorado County (Remainder Area)	0	4,211	3,317	257	93	240	4	244	17.2
144.00	Unincorporated El Dorado County (Remainder Area)	0	4,026	3,562	343	74	200	19	219	18.4
145.00	Unincorporated El Dorado County (Remainder Area)	0	742	647	25	30	70	0	70	10.6
146.00	El Dorado Diamond Springs	0	6,256	2,336	1,113	64	261	51	312	20.0
147.00	El Dorado Diamond Springs	0	3,731	3,548	132	159	378	0	378	9.9
148.00	Outside of County	0	153,912	184,493	5,445	2,250	5,302	137	5,439	28.3

VMT Summary by Jurisdiction - 2040 Baseline Scenario (Plus Project) With VMVSP and 25,000 SF Commercial Office Shift to Commercial Retail in VMVSP

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
149.00	Shingle Springs	0	16,260	1,790	3,464	37	149	112	261	62.4
150.00	Unincorporated El Dorado County (Remainder Area)	0	6,078	6,931	131	109	254	3	257	23.7
151.00	Unincorporated El Dorado County (Remainder Area)	0	1,346	1,786	19	23	67	0	67	20.2
152.00	Shingle Springs	0	33,411	6,276	5,128	122	488	99	587	56.9
153.00	Unincorporated El Dorado County (Remainder Area)	0	8,557	8,153	247	178	623	5	628	13.6
154.00	Unincorporated El Dorado County (Remainder Area)	0	6,918	7,371	179	84	597	16	613	11.3
155.00	Shingle Springs	0	5,229	5,739	132	62	406	0	406	12.9
156.00	Unincorporated El Dorado County (Remainder Area)	0	2,068	2,342	58	27	68	0	68	30.4
157.00	El Dorado Hills	0	8,746	11,108	165	274	790	0	790	11.1
158.00	Cameron Park	0	17,652	19,367	489	598	1,431	72	1,503	11.7
159.00	Cameron Park	0	15,497	15,066	1,406	340	1,082	1	1,083	14.3
160.00	Shingle Springs	0	18,387	17,027	1,138	194	1,223	0	1,223	15.0
161.00	El Dorado Hills	0	11,108	14,192	188	105	754	0	754	14.7
162.00	El Dorado Hills	0	57,950	78,825	859	1,503	4,465	0	4,465	13.0
163.00	El Dorado Hills	0	36,156	7,668	4,768	7	490	4	494	73.2
164.00	El Dorado Hills	0	60,828	0	31,995	0	0	1,232	1,232	49.4
165.00	El Dorado Hills	0	17,603	20,991	419	373	1,369	0	1,369	12.9
166.00	Outside of County	0	28,967	30,826	1,005	749	1,965	49	2,014	14.4
167.00	El Dorado Hills	0	48,044	46,830	2,332	1,297	3,531	55	3,586	13.4
168.00	El Dorado Hills	0	27,159	30,196	1,067	1,125	2,632	9	2,641	10.3
169.00	El Dorado Hills	0	117,568	5,735	25,325	0	517	1,688	2,205	53.3
170.00	El Dorado Hills	0	46,550	737	23,344	0	65	1,357	1,422	32.7
171.00	El Dorado Hills	0	16,503	16,601	1,053	441	1,081	20	1,101	15.0
172.00	El Dorado Hills	0	9,367	0	1,674	0	0	168	168	55.8
173.00	El Dorado Hills	0	45,998	0	10,953	0	0	547	547	84.1
174.00	Unincorporated El Dorado County (Remainder Area)	0	3,881	1,501	1,087	15	38	11	49	79.5
175.00	Unincorporated El Dorado County (Remainder Area)	0	2,618	636	486	11	24	5	29	91.2
176.00	Unincorporated El Dorado County (Remainder Area)	0	3,248	3,688	69	29	137	0	137	23.6
177.00	Unincorporated El Dorado County (Remainder Area)	0	11,159	8,687	1,803	10	370	7	377	29.6
178.00	Unincorporated El Dorado County (Remainder Area)	0	4,939	5,696	138	30	223	0	223	22.1
179.00	Unincorporated El Dorado County (Remainder Area)	0	703	911	11	1	55	0	55	12.9
180.00	El Dorado Hills	0	17,215	21,802	299	58	1,155	0	1,155	14.9
181.00	El Dorado Hills	0	6,659	5,379	618	1	315	58	373	17.9
182.00	Cameron Park	0	39,449	49,241	711	1,186	3,262	0	3,262	12.1
183.00	Unincorporated El Dorado County (Remainder Area)	0	10,730	12,439	233	152	832	0	832	12.9
184.00	Cameron Park	0	36,497	16,292	4,021	357	1,093	300	1,393	26.2
185.00	Cameron Park	0	3,880	4,539	78	149	349	0	349	11.1
186.00	Cameron Park	0	46,744	4,811	7,950	3	390	28	418	111.9
187.00	Cameron Park	0	10,515	7,448	1,125	239	566	85	651	16.1
188.00	Cameron Park	0	6,546	5,863	560	188	489	69	558	11.7
189.00	Unincorporated El Dorado County (Remainder Area)	0	2,500	3,197	40	37	100	0	100	24.9
190.00	Unincorporated El Dorado County (Remainder Area)	0	10,496	13,409	183	237	712	0	712	14.7
191.00	El Dorado Hills	0	1,447	1,838	24	19	109	0	109	13.3
192.00	El Dorado Hills	0	873	1,098	14	25	69	0	69	12.6
193.00	El Dorado Hills	0	14,261	5,341	3,627	100	406	246	652	21.9
194.00	El Dorado Hills	0	15,133	19,672	265	439	1,297	0	1,297	11.7
195.00	El Dorado Hills	0	9,058	473	2,027	10	26	14	40	223.8
196.00	Outside of County	0	52,598	59,910	1,734	923	3,198	82	3,280	16.0
197.00	El Dorado Hills	0	3,208	3,946	56	86	225	0	225	14.3
198.00	El Dorado Hills	0	69,238	39,412	6,109	887	2,476	453	2,929	23.6
199.00	El Dorado Hills	0	11,375	2,899	1,633	62	173	120	293	38.8
200.00	El Dorado Hills	0	6,418	308	1,235	7	19	67	86	75.0
201.00	El Dorado Hills	0	20,699	6,847	2,773	150	443	301	744	27.8
202.00	El Dorado Hills	0	37,694	35,702	2,130	737	2,127	199	2,326	16.2
203.00	El Dorado Hills	0	52,105	66,614	1,130	1,043	3,762	139	3,901	13.4
204.00	El Dorado Hills	0	17,190	16,341	630	362	1,048	41	1,089	15.8
205.00	El Dorado Hills	0	502	0	241	0	0	80	80	6.3
206.00	El Dorado Hills	0	1,641	2,102	28	52	148	0	148	11.1
207.00	El Dorado Hills	0	13,059	16,737	221	296	880	0	880	14.8
208.00	Unincorporated El Dorado County (Remainder Area)	0	328	430	5	9	26	0	26	12.6
209.00	El Dorado Hills	0	11,586	4,486	1,416	55	254	14	268	43.3
210.00	El Dorado Hills	0	6,377	8,198	109	125	479	0	479	13.3
211.00	Unincorporated El Dorado County (Remainder Area)	0	136	179	2	4	11	0	11	12.0
212.00	El Dorado Hills	0	2,425	3,151	39	35	153	0	153	15.8
213.00	Unincorporated El Dorado County (Remainder Area)	0	9,294	11,973	153	116	534	0	534	17.4
214.00	Unincorporated El Dorado County (Remainder Area)	0	2,330	3,349	32	8	76	0	76	30.9
215.00	El Dorado Hills	0	6,845	8,684	122	113	413	0	413	16.6
216.00	Unincorporated El Dorado County (Remainder Area)	0	1,750	2,455	26	5	56	0	56	31.2
217.00	Unincorporated El Dorado County (Remainder Area)	0	593	768	9	11	31	0	31	19.3
218.00	Unincorporated El Dorado County (Remainder Area)	0	1,527	1,912	26	28	78	0	78	19.5
219.00	Unincorporated El Dorado County (Remainder Area)	0	3,950	5,020	68	28	191	77	268	14.7
220.00	Unincorporated El Dorado County (Remainder Area)	0	477	641	6	9	25	0	25	19.2
221.00	El Dorado Hills	0	37,328	48,929	554	876	2,596	0	2,596	14.4
222.00	Cameron Park	0	2,153	1,471	413	26	90	26	116	18.5

VMT Summary by Jurisdiction - 2040 Baseline Scenario (Plus Project) With VMVSP and 25,000 SF Commercial Office Shift to Commercial Retail in VMVSP

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
223.00	Cameron Park	0	5,552	7,191	77	103	461	0	461	12.0
224.00	Unincorporated El Dorado County (Remainder Area)	0	8,652	7,498	497	95	382	29	411	21.1
225.00	Unincorporated El Dorado County (Remainder Area)	0	23,171	10,987	2,942	92	424	79	503	46.0
226.00	Cameron Park	0	27,515	27,206	1,216	131	1,591	76	1,667	16.5
227.00	Cameron Park	0	8,750	11,213	204	5	689	2	691	12.7
228.00	Cameron Park	0	20,724	25,552	500	705	1,775	20	1,795	11.5
229.00	El Dorado Hills	0	40,432	34,311	2,192	9	2,061	0	2,061	19.6
230.00	El Dorado Hills	0	22,116	27,437	304	12	1,655	0	1,655	13.4
231.00	Unincorporated El Dorado County (Remainder Area)	0	4,944	6,662	67	5	388	28	416	11.9
232.00	Unincorporated El Dorado County (Remainder Area)	0	4,629	6,001	73	33	241	0	241	19.2
233.00	Cameron Park	0	8,416	3,760	734	92	266	101	367	22.9
234.00	Cameron Park	0	55,362	34,365	4,970	1,004	2,488	587	3,075	18.0
235.00	Cameron Park	0	42,951	55,913	621	861	3,580	0	3,580	12.0
236.00	Cameron Park	0	14,828	19,557	255	468	1,281	9	1,290	11.5
237.00	Cameron Park	0	2,257	2,702	43	75	179	0	179	12.6
238.00	Cameron Park	0	39,292	15,536	5,189	280	1,018	199	1,217	32.3
239.00	Cameron Park	0	2,366	3,399	34	32	228	16	244	9.7
240.00	Unincorporated El Dorado County (Remainder Area)	0	6,699	8,552	108	127	363	0	363	18.4
241.00	Cameron Park	0	14,897	7,674	1,258	164	480	2	482	30.9
242.00	Cameron Park	0	707	920	9	22	64	0	64	11.1
243.00	Cameron Park	0	2,040	2,628	32	52	162	13	175	11.7
244.00	Unincorporated El Dorado County (Remainder Area)	0	3,035	3,769	57	22	128	0	128	23.8
245.00	Unincorporated El Dorado County (Remainder Area)	0	788	1,018	11	10	30	0	30	26.3
246.00	Unincorporated El Dorado County (Remainder Area)	0	4,054	5,382	56	63	189	0	189	21.4
247.00	Unincorporated El Dorado County (Remainder Area)	0	13,687	14,375	355	296	636	0	636	21.5
248.00	Unincorporated El Dorado County (Remainder Area)	0	13,364	10,571	940	185	431	0	431	31.0
249.00	Unincorporated El Dorado County (Remainder Area)	0	3,343	1,857	531	27	56	0	56	59.8
250.00	Unincorporated El Dorado County (Remainder Area)	0	2,908	3,347	59	53	124	0	124	23.4
251.00	Unincorporated El Dorado County (Remainder Area)	0	5,673	6,348	134	88	363	0	363	15.6
252.00	Unincorporated El Dorado County (Remainder Area)	0	25,014	29,324	570	434	1,756	0	1,756	14.2
253.00	Unincorporated El Dorado County (Remainder Area)	0	7,629	9,094	157	147	410	0	410	18.6
254.00	Unincorporated El Dorado County (Remainder Area)	0	5,331	6,037	121	116	311	0	311	17.2
255.00	Cameron Park	0	61,836	0	14,162	0	0	426	426	145.2
256.00	Cameron Park	0	42,689	2,096	10,026	47	175	1,042	1,217	35.1
257.00	Shingle Springs	0	61,009	15,854	14,189	153	1,335	960	2,295	26.6
258.00	Unincorporated El Dorado County (Remainder Area)	0	2,162	2,589	40	21	99	2	101	21.4
259.00	Unincorporated El Dorado County (Remainder Area)	0	2,651	3,177	52	30	132	0	132	20.1
260.00	Shingle Springs	0	26,330	144	5,552	2	15	146	161	164.0
261.00	Shingle Springs	0	26,506	3,669	4,759	92	333	282	615	43.1
262.00	Shingle Springs	0	39,664	5,624	6,402	121	530	238	768	51.6
263.00	Shingle Springs	0	9,915	3,896	1,460	108	333	35	368	27.0
264.00	Shingle Springs	0	7,769	3,156	1,036	50	267	45	312	24.9
265.00	Unincorporated El Dorado County (Remainder Area)	0	1,979	2,254	43	45	116	0	116	17.1
266.00	Unincorporated El Dorado County (Remainder Area)	0	6,140	1,664	671	42	88	4	92	66.6
267.00	Unincorporated El Dorado County (Remainder Area)	0	8,733	10,119	219	129	633	0	633	13.8
268.00	Unincorporated El Dorado County (Remainder Area)	0	3,032	3,146	172	69	190	6	196	15.5
269.00	Unincorporated El Dorado County (Remainder Area)	0	13,574	9,340	1,447	204	558	1	559	24.3
270.00	Unincorporated El Dorado County (Remainder Area)	0	6,233	2,663	685	44	135	0	135	46.1
271.00	Unincorporated El Dorado County (Remainder Area)	0	9,936	10,079	736	150	442	5	447	22.2
272.00	Unincorporated El Dorado County (Remainder Area)	0	9,757	6,599	797	131	407	23	430	22.7
273.00	Unincorporated El Dorado County (Remainder Area)	0	7,565	9,067	377	134	400	12	412	18.3
274.00	Unincorporated El Dorado County (Remainder Area)	0	21,591	19,203	1,547	233	1,153	99	1,252	17.2
275.00	Unincorporated El Dorado County (Remainder Area)	0	14,870	17,381	334	321	971	13	984	15.1
276.00	Cameron Park	0	27,947	19,288	2,020	224	1,312	12	1,324	21.1
277.00	Cameron Park	0	4,984	5,933	98	161	427	0	427	11.7
278.00	Unincorporated El Dorado County (Remainder Area)	0	5,812	6,113	215	91	265	0	265	21.9
279.00	Unincorporated El Dorado County (Remainder Area)	0	2,987	3,833	50	45	146	0	146	20.5
280.00	Unincorporated El Dorado County (Remainder Area)	0	1,446	1,709	31	37	103	0	103	14.0
281.00	Unincorporated El Dorado County (Remainder Area)	0	4,886	4,264	421	59	238	36	274	17.8
282.00	Unincorporated El Dorado County (Remainder Area)	0	1,395	1,644	30	39	109	0	109	12.8
283.00	Shingle Springs	0	15,133	3,023	2,180	0	0	161	161	94.0
284.00	Shingle Springs	0	4,207	1,031	643	25	87	25	112	37.4
285.00	Unincorporated El Dorado County (Remainder Area)	0	13,884	2,773	2,921	12	154	66	220	63.1
286.00	Unincorporated El Dorado County (Remainder Area)	0	1,682	2,107	30	36	101	0	101	16.7
287.00	Unincorporated El Dorado County (Remainder Area)	0	1,403	1,706	27	34	87	0	87	16.1
288.00	Unincorporated El Dorado County (Remainder Area)	0	2,195	2,726	40	51	140	0	140	15.6
289.00	Unincorporated El Dorado County (Remainder Area)	0	323	425	5	8	23	0	23	13.9
290.00	Unincorporated El Dorado County (Remainder Area)	0	2,069	2,652	35	44	128	0	128	16.2
291.00	Unincorporated El Dorado County (Remainder Area)	0	12,463	15,782	239	188	647	0	647	19.3
292.00	Unincorporated El Dorado County (Remainder Area)	0	4,373	5,847	64	72	209	0	209	20.9
293.00	Unincorporated El Dorado County (Remainder Area)	0	1,294	1,295	36	34	90	0	90	14.4
294.00	Unincorporated El Dorado County (Remainder Area)	0	4,473	4,696	122	97	321	0	321	14.0
295.00	Unincorporated El Dorado County (Remainder Area)	0	61,664	4,997	22,325	110	282	1,491	1,773	34.8
296.00	El Dorado Diamond Springs	0	51,425	6,705	9,647	117	496	56	552	93.2

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297.00	Unincorporated El Dorado County (Remainder Area)	0	2,270	2,693	61	70	208	0	208	10.9
298.00	Unincorporated El Dorado County (Remainder Area)	0	2,835	3,102	71	79	208	0	208	13.6
299.00	Unincorporated El Dorado County (Remainder Area)	0	5,005	5,739	112	106	293	0	293	17.1
300.00	Unincorporated El Dorado County (Remainder Area)	0	1,727	1,917	42	28	116	0	116	14.9
301.00	Unincorporated El Dorado County (Remainder Area)	0	624	550	41	1	44	0	44	14.3
302.00	Unincorporated El Dorado County (Remainder Area)	0	3,894	2,621	209	57	194	33	227	17.1
303.00	El Dorado Diamond Springs	0	4,184	2,691	442	106	228	0	228	18.4
304.00	El Dorado Diamond Springs	0	8,265	284	2,650	12	26	224	250	33.0
305.00	El Dorado Diamond Springs	0	10,698	0	4,983	1	2	283	285	37.5
306.00	El Dorado Diamond Springs	0	7,896	3,162	1,354	10	275	55	330	23.9
307.00	El Dorado Diamond Springs	0	2,952	2,814	93	16	257	2	259	11.4
308.00	El Dorado Diamond Springs	0	239	244	6	11	28	1	29	8.4
309.00	El Dorado Diamond Springs	0	810	719	26	14	74	4	78	10.3
310.00	El Dorado Diamond Springs	0	13,796	638	2,516	26	66	122	188	73.2
311.00	El Dorado Diamond Springs	0	3,544	1,725	440	38	164	158	322	11.0
312.00	El Dorado Diamond Springs	0	9,921	6,789	980	31	711	3	714	13.9
313.00	El Dorado Diamond Springs	0	23,657	3,475	7,064	38	178	506	684	34.6
314.00	El Dorado Diamond Springs	0	10,526	2,498	1,461	81	249	8	257	41.0
315.00	Outside of County	0	0	0	0	0	0	0	0	-
316.00	El Dorado Diamond Springs	0	674	640	22	13	68	0	68	9.9
317.00	El Dorado Diamond Springs	0	140	126	4	8	17	0	17	8.0
318.00	Unincorporated El Dorado County (Remainder Area)	0	8,111	4,730	738	128	452	2	454	17.9
319.00	El Dorado Diamond Springs	0	1,396	1,285	45	38	143	6	149	9.4
320.00	Unincorporated El Dorado County (Remainder Area)	0	4,937	1,610	818	18	48	39	87	56.5
321.00	Unincorporated El Dorado County (Remainder Area)	0	5,215	6,141	139	104	295	0	295	17.7
322.00	Unincorporated El Dorado County (Remainder Area)	0	10,689	10,567	576	153	623	33	656	16.3
323.00	Unincorporated El Dorado County (Remainder Area)	0	8,286	3,752	1,852	51	172	4	176	47.0
324.00	Unincorporated El Dorado County (Remainder Area)	0	7,053	3,623	704	64	183	0	183	38.6
325.00	Unincorporated El Dorado County (Remainder Area)	0	718	833	16	16	51	0	51	14.1
326.00	Unincorporated El Dorado County (Remainder Area)	0	2,084	2,460	49	49	145	1	146	14.3
327.00	Placerville	0	3,212	3,494	83	40	210	0	210	15.3
328.00	Unincorporated El Dorado County (Remainder Area)	0	697	791	16	19	48	0	48	14.7
329.00	Placerville	0	4,824	4,834	142	139	360	0	360	13.4
330.00	Unincorporated El Dorado County (Remainder Area)	0	3,484	3,688	95	73	273	0	273	12.8
331.00	Unincorporated El Dorado County (Remainder Area)	0	6,125	6,963	142	110	325	0	325	18.9
332.00	Unincorporated El Dorado County (Remainder Area)	0	1,430	1,515	39	47	105	0	105	13.6
333.00	Unincorporated El Dorado County (Remainder Area)	0	3,934	4,487	89	91	225	0	225	17.5
334.00	Unincorporated El Dorado County (Remainder Area)	0	1,645	994	260	26	58	110	168	9.8
335.00	Unincorporated El Dorado County (Remainder Area)	0	2,805	3,003	74	77	163	5	168	16.7
336.00	Unincorporated El Dorado County (Remainder Area)	0	1,046	1,112	27	30	66	0	66	15.8
337.00	Unincorporated El Dorado County (Remainder Area)	0	10,263	6,043	1,785	121	304	62	366	28.0
338.00	Unincorporated El Dorado County (Remainder Area)	0	13,822	15,637	404	322	900	14	914	15.1
339.00	Unincorporated El Dorado County (Remainder Area)	0	9,236	11,898	147	188	508	0	508	18.2
340.00	Unincorporated El Dorado County (Remainder Area)	0	8,026	5,209	516	93	202	14	216	37.1
341.00	Unincorporated El Dorado County (Remainder Area)	0	1,629	1,540	175	31	75	8	83	19.7
342.00	Unincorporated El Dorado County (Remainder Area)	0	2,381	2,734	50	48	123	0	123	19.3
343.00	Unincorporated El Dorado County (Remainder Area)	0	4,972	5,763	92	53	177	0	177	28.1
344.00	Unincorporated El Dorado County (Remainder Area)	0	5,872	6,942	108	55	208	0	208	28.2
345.00	Unincorporated El Dorado County (Remainder Area)	0	2,018	2,127	40	29	77	0	77	26.2
346.00	Unincorporated El Dorado County (Remainder Area)	0	1,268	1,245	28	22	51	0	51	24.8
347.00	Unincorporated El Dorado County (Remainder Area)	0	2,653	3,133	50	42	108	0	108	24.6
348.00	Unincorporated El Dorado County (Remainder Area)	0	2,516	2,477	59	49	107	0	107	23.6
349.00	Unincorporated El Dorado County (Remainder Area)	0	8,178	4,863	584	83	193	18	211	38.7
350.00	Unincorporated El Dorado County (Remainder Area)	0	986	1,136	18	22	45	0	45	21.8
351.00	Unincorporated El Dorado County (Remainder Area)	0	1,464	1,838	23	23	70	0	70	20.8
352.00	Unincorporated El Dorado County (Remainder Area)	0	2,097	2,679	31	29	86	0	86	24.3
353.00	Unincorporated El Dorado County (Remainder Area)	0	10,650	10,186	520	167	453	1	454	23.5
354.00	Unincorporated El Dorado County (Remainder Area)	0	7,128	4,745	462	53	154	77	231	30.8
355.00	Placerville	1	27,307	5,112	5,008	241	594	244	838	32.6
356.00	Placerville	1	2,713	2,539	92	91	235	0	235	11.6
357.00	Unincorporated El Dorado County (Remainder Area)	0	8,083	4,214	739	89	294	21	315	25.6
358.00	Placerville	0	10,355	3,341	1,653	81	283	98	381	27.1
359.00	Unincorporated El Dorado County (Remainder Area)	0	3,549	3,686	95	105	247	0	247	14.4
360.00	Unincorporated El Dorado County (Remainder Area)	0	4,193	4,552	99	98	228	10	238	17.6
361.00	Placerville	1	27,098	9,995	4,668	458	1,189	392	1,581	17.1
362.00	Placerville	1	47,051	3,828	8,072	252	457	876	1,333	35.3
363.00	Unincorporated El Dorado County (Remainder Area)	0	415	424	12	13	48	0	48	8.6
364.00	Placerville	0	4,538	3,695	419	138	439	30	469	9.7
365.00	El Dorado Diamond Springs	0	24,331	9,298	3,019	322	1,147	71	1,218	20.0
366.00	El Dorado Diamond Springs	0	10,640	1,554	1,656	15	232	4	236	45.0
367.00	El Dorado Diamond Springs	0	7,172	0	3,576	0	0	197	197	36.4
368.00	El Dorado Diamond Springs	0	4,921	1,331	830	68	157	0	157	31.4
369.00	El Dorado Diamond Springs	0	14,230	8,818	1,431	228	1,088	13	1,101	12.9
370.00	El Dorado Diamond Springs	0	6,947	83	2,931	0	0	303	303	22.9

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371.00	El Dorado Diamond Springs	0	2,148	2,069	61	21	155	0	155	13.9
372.00	El Dorado Diamond Springs	0	28,897	14,150	3,172	195	1,254	211	1,465	19.7
373.00	El Dorado Diamond Springs	0	558	493	18	26	62	0	62	9.0
374.00	El Dorado Diamond Springs	0	1,048	275	117	13	32	2	34	30.6
375.00	El Dorado Diamond Springs	0	362	329	11	14	34	0	34	10.5
376.00	El Dorado Diamond Springs	0	1,494	724	220	34	78	3	81	18.4
377.00	El Dorado Diamond Springs	0	728	320	172	13	32	14	46	15.8
378.00	El Dorado Diamond Springs	0	546	515	16	27	62	0	62	8.8
379.00	El Dorado Diamond Springs	0	942	870	29	48	111	0	111	8.5
380.00	El Dorado Diamond Springs	0	197	185	6	12	28	0	28	7.1
381.00	El Dorado Diamond Springs	0	116	111	3	7	16	0	16	7.2
382.00	El Dorado Diamond Springs	0	222	183	8	11	25	0	25	8.8
383.00	Unincorporated El Dorado County (Remainder Area)	0	2,361	2,387	65	46	179	0	179	13.2
384.00	El Dorado Diamond Springs	0	4,510	4,451	125	120	390	0	390	11.6
385.00	El Dorado Diamond Springs	0	14,286	13,830	547	451	1,346	0	1,346	10.6
386.00	El Dorado Diamond Springs	0	2,240	2,233	61	90	202	0	202	11.1
387.00	El Dorado Diamond Springs	0	3,297	741	475	36	81	8	89	37.2
388.00	El Dorado Diamond Springs	0	5,470	0	2,622	0	0	303	303	18.1
389.00	El Dorado Diamond Springs	0	5,915	19	2,163	2	5	264	269	22.0
390.00	El Dorado Diamond Springs	0	7,358	4,837	744	182	670	23	693	10.6
391.00	El Dorado Diamond Springs	0	6,063	143	980	11	24	54	78	78.0
392.00	El Dorado Diamond Springs	0	1,016	473	89	28	60	0	60	16.8
393.00	El Dorado Diamond Springs	0	25,726	4,744	3,826	268	645	68	713	36.1
394.00	El Dorado Diamond Springs	0	6,155	111	2,066	8	18	0	18	349.7
395.00	Placerville	1	80,255	1,450	29,873	74	206	2,253	2,459	32.6
396.00	El Dorado Diamond Springs	0	30,751	0	5,570	0	0	439	439	70.0
397.00	El Dorado Diamond Springs	0	1,455	902	121	50	109	3	112	13.0
398.00	El Dorado Diamond Springs	0	1,156	264	145	14	32	3	35	32.9
399.00	El Dorado Diamond Springs	0	960	831	33	43	99	0	99	9.7
400.00	El Dorado Diamond Springs	0	7,365	210	1,246	16	35	0	35	213.4
401.00	Placerville	0	26,993	938	4,614	28	121	213	334	80.9
402.00	El Dorado Diamond Springs	0	4,682	2,561	1,039	51	344	106	450	10.4
403.00	El Dorado Diamond Springs	0	31,746	2,637	12,781	124	267	654	921	34.5
404.00	El Dorado Diamond Springs	0	1,737	302	336	19	44	49	93	18.7
405.00	El Dorado Diamond Springs	0	1,679	147	253	9	21	0	21	80.8
406.00	El Dorado Diamond Springs	0	26,329	384	4,419	24	55	286	341	77.1
407.00	El Dorado Diamond Springs	0	16,310	552	3,243	1	84	309	393	41.5
408.00	El Dorado Diamond Springs	0	5,534	0	2,392	1	2	182	184	30.1
409.00	Placerville	0	38,052	3,503	8,097	104	410	445	855	44.5
410.00	El Dorado Diamond Springs	0	40,460	14,295	5,656	426	1,418	277	1,695	23.9
411.00	Placerville	1	55,748	5,242	11,558	298	793	1,271	2,064	27.0
412.00	Unincorporated El Dorado County (Remainder Area)	0	3,445	3,292	106	86	271	0	271	12.7
413.00	Placerville	0	4,920	4,564	172	126	472	0	472	10.4
414.00	El Dorado Diamond Springs	0	20,195	92	5,383	7	15	120	135	149.5
415.00	Unincorporated El Dorado County (Remainder Area)	0	437	318	43	18	38	0	38	11.4
416.00	El Dorado Diamond Springs	0	267	128	55	9	19	0	19	13.8
417.00	Placerville	1	23,043	905	4,855	45	124	278	402	57.3
418.00	Placerville	1	5,552	0	1,395	0	0	64	64	86.7
419.00	Placerville	1	6,955	0	1,224	0	0	85	85	81.8
420.00	Placerville	1	5,304	963	1,338	42	132	52	184	28.9
421.00	Placerville	1	2,557	1,453	412	68	191	5	196	13.0
422.00	Placerville	1	67,901	5,167	31,616	278	714	1,907	2,621	25.9
423.00	Unincorporated El Dorado County (Remainder Area)	0	449	389	26	20	49	0	49	9.2
424.00	Placerville	0	25,714	5,341	4,478	171	582	228	810	31.7
425.00	Placerville	0	67,928	28,941	8,189	1,167	3,090	563	3,653	18.6
426.00	Placerville	0	705	720	19	33	80	0	80	8.8
427.00	Unincorporated El Dorado County (Remainder Area)	0	3,815	4,020	101	93	255	0	255	15.0
428.00	Unincorporated El Dorado County (Remainder Area)	0	551	581	14	22	55	0	55	10.0
429.00	Unincorporated El Dorado County (Remainder Area)	0	1,194	1,389	36	35	87	0	87	13.8
430.00	Unincorporated El Dorado County (Remainder Area)	0	3,098	1,999	553	58	146	10	156	19.8
431.00	Placerville	1	13,687	508	2,276	22	59	60	119	115.3
432.00	Unincorporated El Dorado County (Remainder Area)	0	15,648	10,552	3,145	309	900	229	1,129	13.9
433.00	Placerville	1	16,971	9,947	2,298	481	1,398	36	1,434	11.8
434.00	Placerville	1	830	635	31	33	95	0	95	8.8
435.00	Placerville	1	1,293	665	235	36	100	27	127	10.2
436.00	Unincorporated El Dorado County (Remainder Area)	0	1,147	1,166	50	25	79	0	79	14.6
437.00	Unincorporated El Dorado County (Remainder Area)	0	5,360	5,885	133	117	371	12	383	14.0
438.00	Unincorporated El Dorado County (Remainder Area)	0	5,847	4,241	513	124	303	11	314	18.6
439.00	Unincorporated El Dorado County (Remainder Area)	0	9,648	4,638	1,546	156	359	3	362	26.7
440.00	Unincorporated El Dorado County (Remainder Area)	0	5,968	860	1,591	28	66	15	81	73.8
441.00	Placerville	1	399	391	11	12	35	0	35	11.4
442.00	Placerville	1	13,587	9,814	981	313	882	69	951	14.3
443.00	Unincorporated El Dorado County (Remainder Area)	0	1,947	1,873	57	38	125	0	125	15.6
444.00	Unincorporated El Dorado County (Remainder Area)	0	274	178	18	8	19	0	19	14.4

VMT Summary by Jurisdiction - 2040 Baseline Scenario (Plus Project) With VMVSP and 25,000 SF Commercial Office Shift to Commercial Retail in VMVSP

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
445.00	Placerville	0	839	783	56	23	65	11	76	11.0
446.00	Placerville	1	4,265	758	705	25	65	19	84	50.6
447.00	Unincorporated El Dorado County (Remainder Area)	0	8,332	3,138	1,588	76	199	0	199	41.9
448.00	Placerville	0	1,802	2,020	52	53	161	4	165	10.9
449.00	Unincorporated El Dorado County (Remainder Area)	0	467	474	12	14	30	0	30	15.5
450.00	Unincorporated El Dorado County (Remainder Area)	0	2,339	2,189	77	84	180	31	211	11.1
451.00	Unincorporated El Dorado County (Remainder Area)	0	896	864	26	27	58	0	58	15.5
452.00	Placerville	0	6,937	3,664	933	121	321	33	354	19.6
453.00	Placerville	1	3,300	3,149	141	145	391	1	392	8.4
454.00	Unincorporated El Dorado County (Remainder Area)	0	544	474	19	25	59	0	59	9.2
455.00	Unincorporated El Dorado County (Remainder Area)	0	2,530	2,646	68	73	181	0	181	14.0
456.00	Unincorporated El Dorado County (Remainder Area)	0	1,777	1,763	51	51	109	0	109	16.2
457.00	Unincorporated El Dorado County (Remainder Area)	0	3,122	2,993	253	62	153	5	158	19.7
458.00	Placerville	0	11,451	1,910	1,848	67	157	26	183	62.5
459.00	Placerville	0	727	697	22	11	62	0	62	11.7
460.00	Unincorporated El Dorado County (Remainder Area)	0	826	790	23	22	47	20	67	12.3
461.00	Unincorporated El Dorado County (Remainder Area)	0	113	127	3	6	13	59	72	1.6
462.00	Unincorporated El Dorado County (Remainder Area)	0	2,618	1,232	408	31	67	125	192	13.7
463.00	Unincorporated El Dorado County (Remainder Area)	0	3,703	5,276	48	85	195	0	195	19.0
464.00	Unincorporated El Dorado County (Remainder Area)	0	2,777	3,378	48	47	129	0	129	21.6
465.00	Unincorporated El Dorado County (Remainder Area)	0	3,702	5,340	33	58	163	16	179	20.7
466.00	Unincorporated El Dorado County (Remainder Area)	0	3,063	3,364	114	61	143	22	165	18.6
467.00	Unincorporated El Dorado County (Remainder Area)	0	2,481	3,473	29	39	107	0	107	23.1
468.00	Unincorporated El Dorado County (Remainder Area)	0	5,796	6,849	97	120	263	6	269	21.5
469.00	Unincorporated El Dorado County (Remainder Area)	0	3,767	5,116	42	59	156	15	171	22.0
470.00	Unincorporated El Dorado County (Remainder Area)	0	1,656	2,127	23	32	72	1	73	22.6
471.00	Unincorporated El Dorado County (Remainder Area)	0	1,203	1,579	17	23	57	6	63	19.1
472.00	Unincorporated El Dorado County (Remainder Area)	0	1,200	1,613	17	26	57	20	77	15.6
473.00	Unincorporated El Dorado County (Remainder Area)	0	1,174	668	225	10	33	2	35	33.9
474.00	Unincorporated El Dorado County (Remainder Area)	0	1,750	2,016	35	37	95	0	95	18.4
475.00	Unincorporated El Dorado County (Remainder Area)	0	1,825	2,169	34	38	95	0	95	19.2
476.00	Unincorporated El Dorado County (Remainder Area)	0	4,032	893	531	16	41	0	41	98.1
477.00	Unincorporated El Dorado County (Remainder Area)	0	1,560	2,155	20	30	78	15	93	16.8
478.00	Unincorporated El Dorado County (Remainder Area)	0	1,220	1,420	24	30	66	0	66	18.4
479.00	Unincorporated El Dorado County (Remainder Area)	0	5,057	3,256	426	51	156	37	193	26.3
480.00	Unincorporated El Dorado County (Remainder Area)	0	1,687	2,423	28	20	68	0	68	24.8
481.00	Unincorporated El Dorado County (Remainder Area)	0	1,349	1,917	18	20	53	0	53	25.4
482.00	Unincorporated El Dorado County (Remainder Area)	0	6,426	8,438	88	74	226	3	229	28.1
483.00	Unincorporated El Dorado County (Remainder Area)	0	9,581	4,630	1,048	115	285	9	294	32.6
484.00	Unincorporated El Dorado County (Remainder Area)	0	8,643	4,763	1,188	91	267	114	381	22.7
485.00	Unincorporated El Dorado County (Remainder Area)	0	2,216	2,971	30	15	103	0	103	21.6
486.00	Unincorporated El Dorado County (Remainder Area)	0	5,257	6,999	76	69	249	0	249	21.1
487.00	Unincorporated El Dorado County (Remainder Area)	0	18,812	8,184	3,091	221	504	36	540	34.8
488.00	Unincorporated El Dorado County (Remainder Area)	0	5,704	7,210	105	107	283	0	283	20.2
489.00	Unincorporated El Dorado County (Remainder Area)	0	7,395	6,548	412	133	355	58	413	17.9
490.00	Unincorporated El Dorado County (Remainder Area)	0	1,513	1,791	31	24	86	0	86	17.6
491.00	Unincorporated El Dorado County (Remainder Area)	0	7,397	8,728	163	160	444	3	447	16.5
492.00	Unincorporated El Dorado County (Remainder Area)	0	8,852	3,404	1,054	71	188	31	219	40.4
493.00	Unincorporated El Dorado County (Remainder Area)	0	9,885	3,603	1,484	72	195	26	221	44.7
494.00	Unincorporated El Dorado County (Remainder Area)	0	6,358	2,970	769	68	174	10	184	34.5
495.00	Unincorporated El Dorado County (Remainder Area)	0	642	744	14	16	42	0	42	15.4
496.00	Unincorporated El Dorado County (Remainder Area)	0	7,216	4,164	719	81	232	67	299	24.1
497.00	Unincorporated El Dorado County (Remainder Area)	0	9,473	4,923	1,019	88	263	3	266	35.6
498.00	Unincorporated El Dorado County (Remainder Area)	0	3,578	3,995	178	70	176	6	182	19.6
499.00	Unincorporated El Dorado County (Remainder Area)	0	1,497	1,814	30	30	93	0	93	16.1
500.00	Unincorporated El Dorado County (Remainder Area)	0	5,356	1,119	1,183	11	24	51	75	71.2
501.00	Unincorporated El Dorado County (Remainder Area)	0	2,238	808	562	22	49	83	132	16.9
502.00	Unincorporated El Dorado County (Remainder Area)	0	7,232	8,845	141	117	349	18	367	19.7
503.00	Unincorporated El Dorado County (Remainder Area)	0	5,131	10	855	1	2	76	78	65.6
504.00	Unincorporated El Dorado County (Remainder Area)	0	13,757	5,013	1,654	141	313	19	332	41.4
505.00	Unincorporated El Dorado County (Remainder Area)	0	80	95	1	3	7	0	7	11.9
506.00	Unincorporated El Dorado County (Remainder Area)	0	996	1,011	35	28	64	0	64	15.7
507.00	Unincorporated El Dorado County (Remainder Area)	0	2,123	2,473	49	50	145	37	182	11.7
508.00	Unincorporated El Dorado County (Remainder Area)	0	4,880	2,833	1,180	85	184	186	370	13.2
509.00	Unincorporated El Dorado County (Remainder Area)	0	2,071	403	661	12	27	2	29	71.2
510.00	Unincorporated El Dorado County (Remainder Area)	0	3,525	2,900	227	92	200	10	210	16.8
511.00	Unincorporated El Dorado County (Remainder Area)	0	1,997	1,556	134	45	109	33	142	14.0
512.00	Unincorporated El Dorado County (Remainder Area)	0	1,905	2,153	44	37	107	27	134	14.2
513.00	Unincorporated El Dorado County (Remainder Area)	0	7,966	10,211	173	142	456	0	456	17.5
514.00	Unincorporated El Dorado County (Remainder Area)	0	31,227	42,638	380	622	1,830	0	1,830	17.1
515.00	Unincorporated El Dorado County (Remainder Area)	0	3,146	4,018	54	69	188	8	196	16.0
516.00	Unincorporated El Dorado County (Remainder Area)	0	7,359	9,896	103	142	391	0	391	18.8
517.00	Unincorporated El Dorado County (Remainder Area)	0	23,443	18,667	1,753	388	1,085	101	1,186	19.8
518.00	Unincorporated El Dorado County (Remainder Area)	0	13,096	12,171	813	289	745	17	762	17.2

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519.00	Unincorporated El Dorado County (Remainder Area)	0	7,732	6,113	757	142	371	12	383	20.2
520.00	Unincorporated El Dorado County (Remainder Area)	0	13,922	11,949	1,189	266	678	12	690	20.2
521.00	Unincorporated El Dorado County (Remainder Area)	0	15,946	9,101	1,692	290	686	60	746	21.4
522.00	Unincorporated El Dorado County (Remainder Area)	0	4,800	5,766	169	85	236	0	236	20.3
523.00	Unincorporated El Dorado County (Remainder Area)	0	24,795	9,897	3,179	240	698	206	904	27.4
524.00	Unincorporated El Dorado County (Remainder Area)	0	19,441	8,850	2,575	205	495	103	598	32.5
525.00	Unincorporated El Dorado County (Remainder Area)	0	4,555	5,740	60	85	233	0	233	19.6
526.00	Unincorporated El Dorado County (Remainder Area)	0	3,210	4,022	57	5	142	0	142	22.6
527.00	Unincorporated El Dorado County (Remainder Area)	0	8,788	6,852	854	162	447	38	485	18.1
528.00	Unincorporated El Dorado County (Remainder Area)	0	51,478	63,317	905	1,001	2,556	72	2,628	19.6
529.00	Unincorporated El Dorado County (Remainder Area)	0	1,259	1,214	126	15	46	0	46	27.2
530.00	Unincorporated El Dorado County (Remainder Area)	0	13,316	17,552	226	191	551	0	551	24.2
531.00	Unincorporated El Dorado County (Remainder Area)	0	3,810	4,991	63	34	144	0	144	26.5
532.00	Unincorporated El Dorado County (Remainder Area)	0	3,638	4,550	66	61	156	0	156	23.3
533.00	Unincorporated El Dorado County (Remainder Area)	0	11,694	9,311	1,001	105	367	34	401	29.2
534.00	Unincorporated El Dorado County (Remainder Area)	0	4,277	5,407	72	53	168	0	168	25.4
535.00	Unincorporated El Dorado County (Remainder Area)	0	5,355	6,692	85	91	245	0	245	21.9
536.00	Unincorporated El Dorado County (Remainder Area)	0	5,485	6,919	84	82	273	0	273	20.1
537.00	Unincorporated El Dorado County (Remainder Area)	0	10,922	14,257	141	165	536	0	536	20.4
538.00	Unincorporated El Dorado County (Remainder Area)	0	15,672	7,317	1,870	44	382	22	404	38.8
539.00	Unincorporated El Dorado County (Remainder Area)	0	13,727	1,982	1,938	6	27	166	193	71.2
540.00	Unincorporated El Dorado County (Remainder Area)	0	9,713	0	1,717	0	0	53	53	183.3
541.00	Unincorporated El Dorado County (Remainder Area)	0	2,585	833	305	18	43	6	49	52.5
542.00	Unincorporated El Dorado County (Remainder Area)	0	6,186	2,176	980	52	130	37	167	37.1
543.00	Unincorporated El Dorado County (Remainder Area)	0	32,575	1,665	6,431	49	118	107	225	144.5
544.00	Unincorporated El Dorado County (Remainder Area)	0	2,508	2,663	63	9	137	8	145	17.3
545.00	Unincorporated El Dorado County (Remainder Area)	0	1,418	1,744	21	23	64	0	64	22.2
546.00	Unincorporated El Dorado County (Remainder Area)	0	7,973	9,966	117	61	310	0	310	25.7
547.00	Unincorporated El Dorado County (Remainder Area)	0	4,956	528	771	10	31	46	77	64.5
548.00	Unincorporated El Dorado County (Remainder Area)	0	15,287	17,370	607	386	960	22	982	15.6
549.00	Unincorporated El Dorado County (Remainder Area)	0	2,383	2,742	65	42	128	0	128	18.6
550.00	Unincorporated El Dorado County (Remainder Area)	0	6,385	1,691	1,007	7	100	0	100	63.8
551.00	Unincorporated El Dorado County (Remainder Area)	0	9,027	1,804	1,373	41	115	54	169	53.3
552.00	Unincorporated El Dorado County (Remainder Area)	0	1,064	452	108	8	26	32	58	18.3
553.00	Unincorporated El Dorado County (Remainder Area)	0	1,473	1,723	33	32	83	0	83	17.8
554.00	Unincorporated El Dorado County (Remainder Area)	0	6,739	7,826	192	83	438	4	442	15.2
555.00	Unincorporated El Dorado County (Remainder Area)	0	1,551	1,738	31	34	92	0	92	16.8
556.00	Unincorporated El Dorado County (Remainder Area)	0	4,478	5,399	82	82	211	0	211	21.2
557.00	Unincorporated El Dorado County (Remainder Area)	0	1,810	1,536	218	35	81	1	82	22.2
558.00	Unincorporated El Dorado County (Remainder Area)	0	2,001	2,484	28	36	96	19	115	17.4
559.00	Unincorporated El Dorado County (Remainder Area)	0	1,255	1,448	22	25	67	0	67	18.7
560.00	Unincorporated El Dorado County (Remainder Area)	0	5,925	1,181	1,777	27	66	10	76	77.6
561.00	Unincorporated El Dorado County (Remainder Area)	0	894	1,009	19	22	54	0	54	16.5
562.00	Unincorporated El Dorado County (Remainder Area)	0	3,761	4,636	56	62	175	0	175	21.4
563.00	Unincorporated El Dorado County (Remainder Area)	0	2,087	2,676	25	32	90	0	90	23.2
564.00	Unincorporated El Dorado County (Remainder Area)	0	1,033	1,199	25	14	62	0	62	16.5
565.00	Unincorporated El Dorado County (Remainder Area)	0	2,165	2,294	53	56	143	0	143	15.2
566.00	Unincorporated El Dorado County (Remainder Area)	0	3,914	3,922	142	93	264	1	265	14.7
567.00	Unincorporated El Dorado County (Remainder Area)	0	3,098	682	590	18	60	2	62	49.8
568.00	Unincorporated El Dorado County (Remainder Area)	0	2,957	741	561	26	61	0	61	48.2
569.00	Unincorporated El Dorado County (Remainder Area)	0	7,063	1,957	1,102	61	169	31	200	35.3
570.00	Unincorporated El Dorado County (Remainder Area)	0	8,742	1,160	1,886	40	109	92	201	43.5
571.00	Unincorporated El Dorado County (Remainder Area)	0	1,094	1,112	28	33	79	0	79	13.9
572.00	Unincorporated El Dorado County (Remainder Area)	0	4,779	1,209	980	25	90	34	124	38.6
573.00	Unincorporated El Dorado County (Remainder Area)	0	7,930	9,656	127	89	284	2	286	27.7
574.00	Unincorporated El Dorado County (Remainder Area)	0	4,378	5,532	54	71	204	0	204	21.5
575.00	Unincorporated El Dorado County (Remainder Area)	0	2,789	4,001	22	29	86	0	86	32.6
576.00	Unincorporated El Dorado County (Remainder Area)	0	2,761	847	328	19	43	1	44	63.0
577.00	Unincorporated El Dorado County (Remainder Area)	0	524	626	8	13	32	0	32	16.6
578.00	Unincorporated El Dorado County (Remainder Area)	0	24,973	37,996	126	370	1,016	0	1,016	24.6
579.00	Unincorporated El Dorado County (Remainder Area)	0	2,768	3,981	21	38	96	12	108	25.6
580.00	Unincorporated El Dorado County (Remainder Area)	0	2,440	3,289	26	35	98	5	103	23.6
581.00	Unincorporated El Dorado County (Remainder Area)	0	4,768	6,984	39	43	146	32	178	26.8
582.00	Unincorporated El Dorado County (Remainder Area)	0	13,283	987	1,630	13	37	0	37	359.9
583.00	Unincorporated El Dorado County (Remainder Area)	0	30,827	46,272	295	352	987	10	997	30.9
584.00	Unincorporated El Dorado County (Remainder Area)	0	2,119	2,055	108	18	47	3	50	42.5
585.00	Unincorporated El Dorado County (Remainder Area)	0	9,911	14,010	95	124	327	0	327	30.3
586.00	Unincorporated El Dorado County (Remainder Area)	0	3,747	2,832	263	51	105	92	197	19.0
587.00	Unincorporated El Dorado County (Remainder Area)	0	1,938	2,715	23	39	116	0	116	16.7
588.00	Unincorporated El Dorado County (Remainder Area)	0	15,768	22,298	147	323	892	0	892	17.7
589.00	Unincorporated El Dorado County (Remainder Area)	0	238	286	6	3	16	0	16	14.9
590.00	Unincorporated El Dorado County (Remainder Area)	0	810	1,016	14	18	55	0	55	14.8
591.00	Unincorporated El Dorado County (Remainder Area)	0	67	85	1	3	7	0	7	9.3
592.00	Unincorporated El Dorado County (Remainder Area)	0	14,410	9,232	1,305	339	801	91	892	16.2

VMT Summary by Jurisdiction - 2040 Baseline Scenario (Plus Project) With VMVSP and 25,000 SF Commercial Office Shift to Commercial Retail in VMVSP

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
593.00	Unincorporated El Dorado County (Remainder Area)	0	6,823	5,783	537	151	370	28	398	17.2
594.00	Unincorporated El Dorado County (Remainder Area)	0	11,189	14,810	166	312	754	5	759	14.7
595.00	Unincorporated El Dorado County (Remainder Area)	0	4,062	2,659	255	25	104	31	135	30.1
596.00	Unincorporated El Dorado County (Remainder Area)	0	5,260	3,014	501	34	151	25	176	29.8
597.00	Unincorporated El Dorado County (Remainder Area)	0	12,406	3,012	1,785	106	271	278	549	22.6
598.00	Unincorporated El Dorado County (Remainder Area)	0	8,866	380	1,467	14	33	35	68	129.9
599.00	Unincorporated El Dorado County (Remainder Area)	0	619	752	12	17	40	0	40	15.5
600.00	Unincorporated El Dorado County (Remainder Area)	0	11,408	8,037	1,062	205	481	130	611	18.7
601.00	Unincorporated El Dorado County (Remainder Area)	0	1,336	1,850	5	10	24	0	24	55.0
602.00	Unincorporated El Dorado County (Remainder Area)	0	1,878	115	238	3	6	2	8	246.2
603.00	Unincorporated El Dorado County (Remainder Area)	0	3,610	463	934	11	23	2	25	147.4
604.00	Unincorporated El Dorado County (Remainder Area)	0	3,300	626	455	17	31	3	34	97.6
605.00	Unincorporated El Dorado County (Remainder Area)	0	2,867	916	817	18	46	2	48	60.2
606.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
607.00	Unincorporated El Dorado County (Remainder Area)	0	3,220	4,487	12	19	47	0	47	68.9
608.00	Unincorporated El Dorado County (Remainder Area)	0	30	41	0	1	2	0	2	13.9
609.00	Unincorporated El Dorado County (Remainder Area)	0	9,866	1,511	1,551	34	80	4	84	117.0
610.00	El Dorado Hills	0	60,272	139	27,731	0	0	1,745	1,745	34.5
611.00	El Dorado Hills	0	59,446	35,467	8,704	153	2,614	1	2,615	22.7
612.00	El Dorado Hills	0	127,938	1,046	61,647	0	0	3,121	3,121	41.0
613.00	Unincorporated El Dorado County (Remainder Area)	0	119	104	18	2	10	0	10	11.6
614.00	El Dorado Hills	0	6,343	7,540	135	150	550	0	550	11.5
615.00	El Dorado Hills	0	10,579	8,882	716	150	550	75	625	16.9
616.00	El Dorado Hills	0	1,586	1,897	32	37	138	0	138	11.5
617.00	El Dorado Hills	0	13,920	9,787	890	187	553	118	671	20.8
618.00	El Dorado Hills	0	4,648	0	2,097	0	0	146	146	31.8
619.00	El Dorado Hills	0	3,465	0	562	0	0	151	151	22.9
620.00	El Dorado Hills	0	17,346	3,668	1,567	0	0	188	188	92.3
621.00	El Dorado Hills	0	12,642	16,465	217	327	963	0	963	13.1
622.00	El Dorado Hills	0	19,403	18,225	1,108	370	1,094	147	1,241	15.6
623.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	16	16	0.0
624.00	El Dorado Hills	0	15,267	14,689	668	308	918	96	1,014	15.1
625.00	El Dorado Hills	0	181	0	104	0	0	40	40	4.5
626.00	Unincorporated El Dorado County (Remainder Area)	0	36,423	5,113	5,367	164	386	98	484	75.3
627.00	Unincorporated El Dorado County (Remainder Area)	0	56,391	0	10,474	0	0	897	897	62.9
628.00	Unincorporated El Dorado County (Remainder Area)	0	19,842	23,726	450	0	1,322	0	1,322	15.0
629.00	Unincorporated El Dorado County (Remainder Area)	0	26,554	0	10,147	0	0	1,595	1,595	16.6
630.00	Unincorporated El Dorado County (Remainder Area)	0	128,771	172,715	1,595	4,036	11,894	0	11,894	10.8
631.00	Unincorporated El Dorado County (Remainder Area)	0	12,558	0	1,785	0	0	202	202	62.2
632.00	Unincorporated El Dorado County (Remainder Area)	0	1,676	2,056	32	37	138	0	138	12.1
633.00	Unincorporated El Dorado County (Remainder Area)	0	7,095	8,570	148	150	550	0	550	12.9
634.00	Unincorporated El Dorado County (Remainder Area)	0	7,435	9,045	150	150	552	0	552	13.5
635.00	Unincorporated El Dorado County (Remainder Area)	0	3,642	4,426	72	113	276	0	276	13.2
636.00	Unincorporated El Dorado County (Remainder Area)	0	6,110	8,403	135	120	556	0	556	11.0
637.00	Unincorporated El Dorado County (Remainder Area)	0	9,554	11,728	187	171	695	0	695	13.7
638.00	Unincorporated El Dorado County (Remainder Area)	0	1,288	1,615	22	23	94	0	94	13.6
639.00	Unincorporated El Dorado County (Remainder Area)	0	2,758	3,373	52	46	189	0	189	14.6
640.00	Unincorporated El Dorado County (Remainder Area)	0	9,614	11,936	182	176	713	0	713	13.5
641.00	Unincorporated El Dorado County (Remainder Area)	0	2,789	3,445	52	46	189	0	189	14.8
642.00	Unincorporated El Dorado County (Remainder Area)	0	36,698	38,813	1,576	637	2,421	93	2,514	14.6
643.00	Unincorporated El Dorado County (Remainder Area)	0	9,369	11,631	180	216	672	0	672	13.9
644.00	Unincorporated El Dorado County (Remainder Area)	0	3,098	3,915	54	76	238	0	238	13.0
645.00	Unincorporated El Dorado County (Remainder Area)	0	21,351	25,186	917	415	1,311	51	1,362	15.7
646.00	Unincorporated El Dorado County (Remainder Area)	0	7,137	8,931	125	192	477	0	477	15.0
647.00	Unincorporated El Dorado County (Remainder Area)	0	1,510	1,894	26	38	119	6	125	12.1
648.00	Unincorporated El Dorado County (Remainder Area)	0	3,900	2,241	513	38	119	2	121	32.2
649.00	Unincorporated El Dorado County (Remainder Area)	0	4,702	2,840	29	38	119	0	119	39.5
650.00	Outside of County	0	2,937,381	1,486,595	498,546	0	0	0	0	-
651.00	Outside of County	0	29,989	17,032	4,134	0	0	0	0	-
652.00	Outside of County	0	0	0	0	0	0	0	0	-
653.00	Outside of County	0	419,554	187,709	51,922	0	0	0	0	-
654.00	Outside of County	0	41,900	9,362	2,429	0	0	0	0	-
655.00	Outside of County	0	353,730	119,591	34,420	0	0	0	0	-
656.00	Outside of County	0	56,606	18,527	7,200	0	0	0	0	-
657.00	Outside of County	0	196,639	9,042	3,634	0	0	0	0	-
658.00	Outside of County	0	0	0	0	0	0	0	0	-
659.00	Outside of County	0	5,767	2,996	941	0	0	0	0	-
660.00	Outside of County	0	182,555	101,299	34,125	0	0	0	0	-
661.00	Outside of County	0	149,172	78,592	24,748	0	0	0	0	-
662.00	Outside of County	0	711,285	371,788	122,420	0	0	0	0	-
663.00	Outside of County	0	736,050	260,727	82,162	0	0	0	0	-
664.00	Outside of County	0	453,043	247,045	67,024	0	0	0	0	-
665.00	Outside of County	0	222,228	97,367	36,377	0	0	0	0	-
666.00	Outside of County	0	102,609	56,549	17,436	0	0	0	0	-

VMT Summary by Jurisdiction - 2040 Baseline Scenario (Plus Project) With VMVSP and 25,000 SF Commercial Office Shift to Commercial Retail in VMVSP

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
667.00	Outside of County	0	0	0	0	0	0	0	0	-
668.00	Outside of County	0	535,965	362,370	0	0	0	0	0	-
669.00	Outside of County	0	0	0	0	0	0	0	0	-
670.00	Outside of County	0	0	0	0	0	0	0	0	-
671.00	Outside of County	0	204,050	110,227	30,925	0	0	0	0	-
672.00	Outside of County	0	38,797	38,886	0	0	0	0	0	-
673.00	Outside of County	0	33,734	16,671	0	0	0	0	0	-
674.00	Outside of County	0	405,456	27,419	0	0	0	0	0	-

2018 Baseline Scenario (Plus Project – Mitigation)

-WITH-

22,000 SF Commercial Retail

VMT Summary by Jurisdiction - 2018 Baseline Scenario (Plus Project - Mitigation) With 22,000 SF Commercial Retail

	VMT Estimates			VMT Efficiency Metrics			Population Details				
Jurisdiction	Total OD VMT	Home-based PA VMT	Home-based Work PA VMT	Total VMT per Service Population	Home-based VMT per Capita	Home-based Work VMT per Employee	Total Households	Total Population	Total Employment	Total Service Population	Persons Per Household
City of Placerville	298,116	69,004	90,260	21.0	10.5	11.8	2,914	6,581	7,639	14,220	2.26
Unincorporated El Dorado County	3,744,598	3,142,545	428,790	21.8	22.7	12.9	55,855	138,648	33,175	171,823	2.48
630	43,337	58,377	550	18.4	24.8		800	2,358	0	2,358	2.95
631	4,194	0	583	85.6		11.9	0	0	49	49	
				Threshold	19.3	11.1					

VMT Summary by Jurisdiction - 2018 Baseline Scenario (Plus Project - Mitigation) With 22,000 SF Commercial Retail

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
1.00	Unincorporated El Dorado County (Remainder Area)	0	4,162	2,611	328	46	75	16	91	46.0
2.00	Unincorporated El Dorado County (Remainder Area)	0	23,021	31,852	464	525	1,185	34	1,219	18.9
3.00	Unincorporated El Dorado County (Remainder Area)	0	2,955	3,750	42	34	88	0	88	33.7
4.00	Unincorporated El Dorado County (Remainder Area)	0	1,534	1,533	52	16	34	2	36	42.9
5.00	Unincorporated El Dorado County (Remainder Area)	0	2,863	4,038	27	33	73	0	73	39.5
6.00	Unincorporated El Dorado County (Remainder Area)	0	12,308	15,802	354	270	646	9	655	18.8
7.00	Unincorporated El Dorado County (Remainder Area)	0	25,779	33,312	996	516	1,119	71	1,190	21.7
8.00	Unincorporated El Dorado County (Remainder Area)	0	2,718	789	752	14	36	60	96	28.3
9.00	Unincorporated El Dorado County (Remainder Area)	0	28,468	33,297	1,709	482	1,240	117	1,357	21.0
10.00	Outside of County	0	0	0	0	0	0	0	0	-
11.00	Outside of County	0	0	0	0	0	0	0	0	-
12.00	Outside of County	0	39,495	31,063	1,877	663	1,741	96	1,837	21.5
13.00	Outside of County	0	31,183	35,903	688	775	1,995	0	1,995	15.6
14.00	Outside of County	0	64,356	72,290	1,562	1,502	4,068	32	4,100	15.7
15.00	Outside of County	0	497	525	10	10	23	0	23	22.1
16.00	Outside of County	0	56,193	8,973	7,495	149	378	434	812	69.2
17.00	Outside of County	0	0	0	0	0	0	0	0	-
18.00	Outside of County	0	1,554	612	67	41	116	0	116	13.4
19.00	Outside of County	0	0	0	0	0	0	0	0	-
20.00	Outside of County	0	220	18	118	1	1	5	6	36.6
21.00	Outside of County	0	5,283	50	2,556	1	2	112	114	46.3
22.00	Outside of County	0	2,238	269	581	2	6	23	29	77.2
23.00	Outside of County	0	58,794	23,780	6,336	101	273	244	517	113.8
24.00	Outside of County	0	48	30	1	1	1	0	1	47.7
25.00	Outside of County	0	0	0	0	0	0	0	0	-
26.00	Outside of County	0	0	0	0	0	0	0	0	-
27.00	Outside of County	0	1,331	266	503	2	6	22	28	47.5
28.00	Outside of County	0	12,536	14,725	380	123	332	6	338	37.1
29.00	Outside of County	0	7,979	9,244	245	72	192	5	197	40.5
30.00	Outside of County	0	6,063	0	3,213	0	0	133	133	45.6
31.00	Outside of County	0	5,556	4,118	1,048	44	94	45	139	39.9
32.00	Outside of County	0	24,901	6,758	622	676	1,526	0	1,526	16.3
33.00	Outside of County	0	0	0	0	0	0	0	0	-
34.00	Outside of County	0	8,748	9,488	589	75	191	16	207	42.3
35.00	Outside of County	0	0	0	0	0	0	0	0	-
36.00	Outside of County	0	0	0	0	0	0	0	0	-
37.00	Outside of County	0	5,080	0	2,686	0	0	178	178	28.5
38.00	Outside of County	0	0	0	0	0	0	0	0	-
39.00	Outside of County	0	24,352	22,386	3,324	666	1,569	227	1,796	13.6
40.00	Outside of County	0	113,579	26,020	18,956	916	2,079	1,839	3,918	29.0
41.00	Outside of County	0	31,041	26,602	3,969	544	1,271	203	1,474	21.1
42.00	Outside of County	0	0	0	0	0	0	0	0	-
43.00	Outside of County	0	53,452	63,107	1,213	828	2,045	0	2,045	26.1
44.00	Outside of County	0	79,410	76,770	3,290	1,069	2,614	95	2,709	29.3
45.00	Outside of County	0	101,711	24,249	14,668	906	2,057	1,357	3,414	29.8
46.00	Outside of County	0	0	0	0	0	0	0	0	-
47.00	Outside of County	0	101,011	0	42,881	0	0	2,398	2,398	42.1
48.00	Outside of County	0	70,931	71,297	3,401	1,203	3,068	121	3,189	22.2
49.00	Outside of County	0	153,008	0	78,426	0	0	4,642	4,642	33.0
50.00	Outside of County	0	120,629	85,229	19,382	1,025	2,430	826	3,256	37.1
51.00	Outside of County	0	126,086	69,012	18,189	1,768	4,253	1,237	5,490	23.0
52.00	Outside of County	0	46,047	25,458	4,481	297	667	240	907	50.8
53.00	Outside of County	0	114,483	87,641	8,497	1,335	3,452	377	3,829	29.9
54.00	Outside of County	0	93,372	36,260	38,847	476	1,153	1,827	2,980	31.3
55.00	Outside of County	0	83,223	38,449	12,580	675	1,583	800	2,383	34.9
56.00	Outside of County	0	34,765	39,808	1,000	820	1,933	4	1,937	18.0
57.00	Outside of County	0	162,033	0	113,941	0	0	7,375	7,375	22.0
58.00	Outside of County	0	43,704	24,259	6,844	465	1,160	388	1,548	28.2
59.00	Outside of County	0	425	111	174	2	4	9	13	32.7
60.00	Outside of County	0	206,572	17,431	103,767	238	478	4,236	4,714	43.8
61.00	Outside of County	0	275,540	192,323	22,492	2,205	5,227	797	6,024	45.7
62.00	Outside of County	0	55,258	317	26,814	4	8	1,150	1,158	47.7
63.00	Outside of County	0	113,035	18,307	51,525	340	756	3,083	3,839	29.4
64.00	Outside of County	0	80,563	60,504	11,629	865	2,156	560	2,716	29.7
65.00	Outside of County	0	10,416	11,520	218	136	338	0	338	30.8
66.00	Outside of County	0	61,844	50,206	4,303	826	1,950	172	2,122	29.1
67.00	Outside of County	0	10,425	0	2,818	0	0	178	178	58.6
68.00	Outside of County	0	55,237	32,768	11,883	616	1,314	679	1,993	27.7
69.00	Outside of County	0	143,982	90,973	38,332	1,588	4,122	2,320	6,442	22.4
70.00	Outside of County	0	210,495	808	127,142	0	0	6,956	6,956	30.3
71.00	Outside of County	0	107,441	110,750	4,902	1,231	3,088	121	3,209	33.5
72.00	Outside of County	0	254,032	365	134,315	0	0	5,133	5,133	49.5
73.00	Outside of County	0	122,294	0	80,400	0	0	5,627	5,627	21.7
74.00	Outside of County	0	176,551	21,984	81,737	435	1,022	4,728	5,750	30.7

VMT Summary by Jurisdiction - 2018 Baseline Scenario (Plus Project - Mitigation) With 22,000 SF Commercial Retail

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
75.00	Outside of County	0	106,652	77,642	27,315	1,936	4,401	1,866	6,267	17.0
76.00	Outside of County	0	42,051	23,672	5,021	508	1,352	297	1,649	25.5
77.00	Outside of County	0	163,849	79,611	34,564	1,155	2,810	1,659	4,469	36.7
78.00	Outside of County	0	88,766	0	23,925	0	0	1,567	1,567	56.6
79.00	Outside of County	0	971	0	0	0	0	20	20	48.6
80.00	Outside of County	0	50,754	0	24,031	0	0	1,410	1,410	36.0
81.00	Outside of County	0	161,041	0	83,584	0	0	4,951	4,951	32.5
82.00	Outside of County	0	56,267	0	30,017	0	0	1,787	1,787	31.5
83.00	Outside of County	0	0	0	0	0	0	0	0	-
84.00	Outside of County	0	65,046	48,632	6,625	1,226	2,817	405	3,222	20.2
85.00	Outside of County	0	71,774	60,401	4,748	1,295	3,246	253	3,499	20.5
86.00	Outside of County	0	111,108	74,597	11,529	1,968	4,487	754	5,241	21.2
87.00	Outside of County	0	103,427	66,876	13,029	2,114	4,344	800	5,144	20.1
88.00	Outside of County	0	86,617	47,836	12,027	1,099	2,679	762	3,441	25.2
89.00	Outside of County	0	11,316	0	4,706	0	0	293	293	38.6
90.00	Outside of County	0	53,378	0	10,957	0	0	592	592	90.2
91.00	Outside of County	0	123,472	16,269	50,420	383	961	4,100	5,061	24.4
92.00	Outside of County	0	60,176	56,730	3,306	1,139	2,709	141	2,850	21.1
93.00	Outside of County	0	0	0	0	0	0	0	0	-
94.00	Outside of County	0	431	479	9	6	15	0	15	28.8
95.00	Outside of County	0	933	0	443	0	0	27	27	34.5
96.00	Outside of County	0	343	0	174	0	0	12	12	28.6
97.00	Outside of County	0	110	102	2	2	4	0	4	27.5
98.00	Outside of County	0	76,807	357	27,305	10	25	2,289	2,314	33.2
99.00	Outside of County	0	49,885	27,090	11,880	791	1,944	958	2,902	17.2
100.00	Outside of County	0	6,018	7,018	129	84	203	0	203	29.6
101.00	Outside of County	0	12,120	0	6,074	0	0	320	320	37.9
102.00	Outside of County	0	6,006	5,245	1,003	51	153	53	206	29.2
103.00	Outside of County	0	58,913	68,018	1,393	910	2,200	0	2,200	26.8
104.00	Outside of County	0	0	0	0	0	0	0	0	-
105.00	Outside of County	0	0	0	0	0	0	0	0	-
106.00	Outside of County	0	2,872	0	1,451	0	0	70	70	41.0
107.00	Outside of County	0	85,599	0	45,765	0	0	3,135	3,135	27.3
108.00	Outside of County	0	438	0	202	0	0	15	15	29.2
109.00	Outside of County	0	18,991	0	4,262	0	0	238	238	79.8
110.00	Outside of County	0	64,083	8,696	29,010	205	426	1,610	2,036	31.5
111.00	Outside of County	0	137,016	12,406	25,134	350	728	1,151	1,879	72.9
112.00	Outside of County	0	196,068	38,716	42,205	747	1,946	2,117	4,063	48.3
113.00	Outside of County	0	91,456	0	47,180	0	0	4,022	4,022	22.7
114.00	Outside of County	0	40,920	30,299	7,787	770	1,950	660	2,610	15.7
115.00	Outside of County	0	0	0	0	0	0	0	0	-
116.00	Outside of County	0	0	0	0	0	0	0	0	-
117.00	Outside of County	0	87,033	32,787	23,797	401	1,031	1,492	2,523	34.5
118.00	Outside of County	0	91,615	82,716	3,772	2,313	5,898	187	6,085	15.1
119.00	Outside of County	0	170,663	7,900	75,206	214	522	6,545	7,067	24.1
120.00	Outside of County	0	203,659	0	58,690	0	0	4,131	4,131	49.3
121.00	Outside of County	0	166,700	57,234	22,454	1,642	4,261	1,724	5,985	27.9
122.00	Outside of County	0	67,293	20,208	12,474	619	1,530	1,071	2,601	25.9
123.00	Outside of County	0	52,929	7,512	10,755	200	529	855	1,384	38.2
124.00	Outside of County	0	81,383	55,420	5,619	1,240	2,628	328	2,956	27.5
125.00	Outside of County	0	60,237	11,020	9,352	389	801	781	1,582	38.1
126.00	Outside of County	0	15,788	4,389	1,793	136	279	129	408	38.7
127.00	Outside of County	0	38,747	34,674	2,038	800	1,693	117	1,810	21.4
128.00	Outside of County	0	86,069	40,510	11,110	999	2,062	767	2,829	30.4
129.00	Outside of County	0	42,964	46,919	824	994	2,246	0	2,246	19.1
130.00	Outside of County	0	31,684	10,109	4,083	369	740	416	1,156	27.4
131.00	Outside of County	0	75,746	20,764	13,691	607	1,234	1,278	2,512	30.1
132.00	Outside of County	0	34,084	20,718	4,007	407	894	260	1,154	29.5
133.00	Outside of County	0	133,075	63,743	14,772	2,087	5,211	1,475	6,686	19.9
134.00	Outside of County	0	70,422	32,130	18,529	1,075	2,460	1,492	3,952	17.8
135.00	Outside of County	0	43,657	0	23,913	0	0	2,114	2,114	20.7
136.00	Outside of County	0	31,907	28,636	1,655	669	1,669	82	1,751	18.2
137.00	Outside of County	0	138,890	104,387	9,424	2,349	6,735	673	7,408	18.7
138.00	El Dorado Diamond Springs	0	5,520	5,308	429	161	367	25	392	14.1
139.00	El Dorado Diamond Springs	0	3,996	1,760	669	62	135	55	190	21.0
140.00	El Dorado Diamond Springs	0	24,431	263	5,028	10	27	383	410	59.5
141.00	Unincorporated El Dorado County (Remainder Area)	0	2,086	1,978	80	21	49	2	51	41.0
142.00	Unincorporated El Dorado County (Remainder Area)	0	7,360	7,951	177	157	353	0	353	20.8
143.00	Unincorporated El Dorado County (Remainder Area)	0	3,600	3,729	133	93	209	4	213	16.9
144.00	Unincorporated El Dorado County (Remainder Area)	0	3,888	3,984	291	74	186	19	205	18.9
145.00	Unincorporated El Dorado County (Remainder Area)	0	801	832	23	30	69	0	69	11.7
146.00	El Dorado Diamond Springs	0	3,811	1,769	632	64	145	51	196	19.5
147.00	El Dorado Diamond Springs	0	4,292	4,521	135	159	359	0	359	12.0
148.00	Outside of County	0	189,232	256,999	6,892	2,250	5,293	137	5,430	34.9

VMT Summary by Jurisdiction - 2018 Baseline Scenario (Plus Project - Mitigation) With 22,000 SF Commercial Retail

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
149.00	Shingle Springs	0	6,875	1,693	1,454	37	98	112	210	32.7
150.00	Unincorporated El Dorado County (Remainder Area)	0	7,748	8,518	225	109	260	3	263	29.5
151.00	Unincorporated El Dorado County (Remainder Area)	0	1,457	2,009	20	23	67	0	67	21.7
152.00	Shingle Springs	0	9,910	6,132	1,444	122	315	99	414	23.9
153.00	Unincorporated El Dorado County (Remainder Area)	0	6,422	6,624	217	178	388	5	393	16.3
154.00	Unincorporated El Dorado County (Remainder Area)	0	3,338	3,263	232	84	196	16	212	15.7
155.00	Shingle Springs	0	2,682	3,139	57	62	161	0	161	16.6
156.00	Unincorporated El Dorado County (Remainder Area)	0	2,334	2,763	39	27	67	0	67	34.7
157.00	El Dorado Hills	0	11,539	14,761	188	274	807	0	807	14.3
158.00	Cameron Park	0	22,043	24,504	1,049	598	1,373	72	1,445	15.3
159.00	Cameron Park	0	12,645	16,247	237	340	878	1	879	14.4
160.00	Shingle Springs	0	7,846	9,559	162	194	501	0	501	15.7
161.00	El Dorado Hills	0	6,047	7,783	90	105	283	0	283	21.4
162.00	El Dorado Hills	0	71,758	99,413	972	1,503	4,414	0	4,414	16.3
163.00	El Dorado Hills	0	356	369	38	7	21	4	25	14.5
164.00	El Dorado Hills	0	27,788	0	14,284	0	0	1,232	1,232	22.6
165.00	El Dorado Hills	0	16,404	19,729	370	373	997	0	997	16.4
166.00	Outside of County	0	41,458	42,205	1,357	749	1,892	49	1,941	21.4
167.00	El Dorado Hills	0	50,350	52,502	2,137	1,297	2,904	55	2,959	17.0
168.00	El Dorado Hills	0	31,386	36,898	943	1,125	2,519	9	2,528	12.4
169.00	El Dorado Hills	0	102,402	153	21,058	0	0	1,688	1,688	60.7
170.00	El Dorado Hills	0	27,480	0	15,146	0	0	1,357	1,357	20.3
171.00	El Dorado Hills	0	14,291	12,848	754	441	790	20	810	17.7
172.00	El Dorado Hills	0	8,199	0	1,956	0	0	168	168	48.8
173.00	El Dorado Hills	0	29,799	0	6,343	0	0	547	547	54.5
174.00	Unincorporated El Dorado County (Remainder Area)	0	2,234	1,553	251	15	37	11	48	46.2
175.00	Unincorporated El Dorado County (Remainder Area)	0	957	879	97	11	26	5	31	30.7
176.00	Unincorporated El Dorado County (Remainder Area)	0	2,053	2,331	41	29	69	0	69	29.7
177.00	Unincorporated El Dorado County (Remainder Area)	0	828	703	119	10	25	7	32	25.9
178.00	Unincorporated El Dorado County (Remainder Area)	0	2,090	2,430	40	30	77	0	77	27.0
179.00	Unincorporated El Dorado County (Remainder Area)	0	10	17	0	1	3	0	3	3.6
180.00	El Dorado Hills	0	3,173	3,880	52	58	149	0	149	21.2
181.00	El Dorado Hills	0	1,401	8	627	1	3	58	61	23.1
182.00	Cameron Park	0	51,520	67,819	776	1,186	3,202	0	3,202	16.1
183.00	Unincorporated El Dorado County (Remainder Area)	0	6,522	7,662	125	152	355	0	355	18.4
184.00	Cameron Park	0	28,634	20,489	3,254	357	964	300	1,264	22.7
185.00	Cameron Park	0	5,401	6,647	92	149	342	0	342	15.8
186.00	Cameron Park	0	644	102	231	3	7	28	35	18.5
187.00	Cameron Park	0	10,274	9,806	1,008	239	549	85	634	16.2
188.00	Cameron Park	0	7,323	7,055	792	188	432	69	501	14.6
189.00	Unincorporated El Dorado County (Remainder Area)	0	2,900	3,695	44	37	104	0	104	28.0
190.00	Unincorporated El Dorado County (Remainder Area)	0	11,293	14,846	175	237	663	0	663	17.0
191.00	El Dorado Hills	0	823	1,100	11	19	53	0	53	15.5
192.00	El Dorado Hills	0	1,091	1,442	15	25	70	0	70	15.7
193.00	El Dorado Hills	0	8,884	4,387	2,552	100	253	246	499	17.8
194.00	El Dorado Hills	0	18,449	23,897	281	439	1,285	0	1,285	14.4
195.00	El Dorado Hills	0	1,611	533	186	10	26	14	40	40.8
196.00	Outside of County	0	46,027	51,334	1,518	923	2,503	82	2,585	17.8
197.00	El Dorado Hills	0	3,961	4,959	65	86	219	0	219	18.1
198.00	El Dorado Hills	0	58,577	47,068	4,610	887	2,482	453	2,935	20.0
199.00	El Dorado Hills	0	11,115	3,698	1,560	62	173	120	293	37.9
200.00	El Dorado Hills	0	3,346	333	751	7	18	67	85	39.4
201.00	El Dorado Hills	0	13,467	8,472	2,763	150	439	301	740	18.2
202.00	El Dorado Hills	0	41,887	41,646	2,364	737	2,062	199	2,261	18.5
203.00	El Dorado Hills	0	51,152	65,758	1,824	1,043	3,061	139	3,200	16.0
204.00	El Dorado Hills	0	19,051	20,211	623	362	1,067	41	1,108	17.2
205.00	El Dorado Hills	0	1,699	0	790	0	0	80	80	21.2
206.00	El Dorado Hills	0	2,122	2,751	30	52	153	0	153	13.8
207.00	El Dorado Hills	0	15,027	19,906	231	296	869	0	869	17.3
208.00	Unincorporated El Dorado County (Remainder Area)	0	413	559	5	9	26	0	26	15.6
209.00	El Dorado Hills	0	2,994	3,554	172	55	161	14	175	17.1
210.00	El Dorado Hills	0	5,746	7,581	87	125	366	0	366	15.7
211.00	Unincorporated El Dorado County (Remainder Area)	0	166	230	2	4	11	0	11	14.9
212.00	El Dorado Hills	0	1,873	2,526	25	35	103	0	103	18.2
213.00	Unincorporated El Dorado County (Remainder Area)	0	6,836	9,010	101	116	323	0	323	21.2
214.00	Unincorporated El Dorado County (Remainder Area)	0	687	922	10	8	19	0	19	35.5
215.00	El Dorado Hills	0	6,139	8,033	96	113	316	0	316	19.4
216.00	Unincorporated El Dorado County (Remainder Area)	0	400	521	5	5	12	0	12	33.1
217.00	Unincorporated El Dorado County (Remainder Area)	0	739	957	10	11	31	0	31	24.0
218.00	Unincorporated El Dorado County (Remainder Area)	0	1,725	2,238	25	28	78	0	78	22.0
219.00	Unincorporated El Dorado County (Remainder Area)	0	4,455	2,399	1,005	28	78	77	155	28.8
220.00	Unincorporated El Dorado County (Remainder Area)	0	581	763	8	9	25	0	25	23.2
221.00	El Dorado Hills	0	43,171	58,940	579	876	2,359	0	2,359	18.3
222.00	Cameron Park	0	2,696	1,419	255	26	71	26	97	27.9

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223.00	Cameron Park	0	4,079	5,545	52	103	279	0	279	14.6
224.00	Unincorporated El Dorado County (Remainder Area)	0	5,455	6,402	347	95	258	29	287	19.0
225.00	Unincorporated El Dorado County (Remainder Area)	0	11,251	7,671	974	92	270	79	349	32.2
226.00	Cameron Park	0	10,093	8,785	764	131	384	76	460	21.9
227.00	Cameron Park	0	181	176	13	5	12	2	14	12.9
228.00	Cameron Park	0	23,399	31,087	506	705	1,703	20	1,723	13.6
229.00	El Dorado Hills	0	399	550	4	9	24	0	24	16.5
230.00	El Dorado Hills	0	584	804	6	12	35	0	35	16.6
231.00	Unincorporated El Dorado County (Remainder Area)	0	1,014	331	235	5	15	28	43	23.8
232.00	Unincorporated El Dorado County (Remainder Area)	0	2,113	2,827	28	33	92	0	92	23.0
233.00	Cameron Park	0	6,691	3,860	763	92	211	101	312	21.4
234.00	Cameron Park	0	47,195	41,607	4,512	1,004	2,306	587	2,893	16.3
235.00	Cameron Park	0	33,448	44,482	474	861	2,214	0	2,214	15.1
236.00	Cameron Park	0	17,930	24,268	295	468	1,204	9	1,213	14.8
237.00	Cameron Park	0	2,846	3,553	47	75	172	0	172	16.5
238.00	Cameron Park	0	15,149	13,712	2,005	280	676	199	875	17.3
239.00	Cameron Park	0	1,960	1,627	134	32	87	16	103	19.1
240.00	Unincorporated El Dorado County (Remainder Area)	0	7,408	9,851	106	127	345	0	345	21.5
241.00	Cameron Park	0	6,837	9,126	105	164	445	2	447	15.3
242.00	Cameron Park	0	809	1,108	9	22	60	0	60	13.6
243.00	Cameron Park	0	2,404	2,933	119	52	141	13	154	15.6
244.00	Unincorporated El Dorado County (Remainder Area)	0	1,390	1,800	23	22	57	0	57	24.6
245.00	Unincorporated El Dorado County (Remainder Area)	0	843	1,067	11	10	29	0	29	29.1
246.00	Unincorporated El Dorado County (Remainder Area)	0	4,472	6,079	59	63	182	0	182	24.5
247.00	Unincorporated El Dorado County (Remainder Area)	0	14,559	16,638	350	296	646	0	646	22.5
248.00	Unincorporated El Dorado County (Remainder Area)	0	10,799	13,154	226	185	441	0	441	24.5
249.00	Unincorporated El Dorado County (Remainder Area)	0	1,921	2,097	39	27	59	0	59	32.6
250.00	Unincorporated El Dorado County (Remainder Area)	0	3,237	3,875	63	53	123	0	123	26.3
251.00	Unincorporated El Dorado County (Remainder Area)	0	4,368	5,147	90	88	224	0	224	19.5
252.00	Unincorporated El Dorado County (Remainder Area)	0	20,241	24,922	420	434	1,130	0	1,130	17.9
253.00	Unincorporated El Dorado County (Remainder Area)	0	8,656	10,828	165	147	403	0	403	21.5
254.00	Unincorporated El Dorado County (Remainder Area)	0	6,155	7,315	127	116	295	0	295	20.9
255.00	Cameron Park	0	16,951	0	5,024	0	0	426	426	39.8
256.00	Cameron Park	0	46,224	1,915	13,644	47	121	1,042	1,163	39.7
257.00	Shingle Springs	0	30,172	6,770	11,081	153	389	960	1,349	22.4
258.00	Unincorporated El Dorado County (Remainder Area)	0	1,492	1,756	51	21	58	2	60	25.1
259.00	Unincorporated El Dorado County (Remainder Area)	0	1,824	2,267	31	30	78	0	78	23.3
260.00	Shingle Springs	0	5,664	58	1,804	2	4	146	150	37.7
261.00	Shingle Springs	0	15,303	4,169	3,599	92	252	282	534	28.7
262.00	Shingle Springs	0	12,869	4,865	2,989	121	308	238	546	23.6
263.00	Shingle Springs	0	6,129	4,987	530	108	296	35	331	18.5
264.00	Shingle Springs	0	4,764	2,290	624	50	137	45	182	26.2
265.00	Unincorporated El Dorado County (Remainder Area)	0	2,406	2,960	44	45	117	0	117	20.5
266.00	Unincorporated El Dorado County (Remainder Area)	0	2,361	2,164	117	42	92	4	96	24.7
267.00	Unincorporated El Dorado County (Remainder Area)	0	5,484	6,869	126	129	336	0	336	16.3
268.00	Unincorporated El Dorado County (Remainder Area)	0	3,275	3,754	132	69	180	6	186	17.6
269.00	Unincorporated El Dorado County (Remainder Area)	0	9,313	10,900	228	204	516	1	517	18.0
270.00	Unincorporated El Dorado County (Remainder Area)	0	2,467	3,208	42	44	113	0	113	21.8
271.00	Unincorporated El Dorado County (Remainder Area)	0	8,080	10,031	199	150	379	5	384	21.0
272.00	Unincorporated El Dorado County (Remainder Area)	0	6,793	7,743	361	131	347	23	370	18.3
273.00	Unincorporated El Dorado County (Remainder Area)	0	7,917	10,179	254	134	391	12	403	19.6
274.00	Unincorporated El Dorado County (Remainder Area)	0	15,423	13,832	1,325	233	618	99	717	21.5
275.00	Unincorporated El Dorado County (Remainder Area)	0	15,486	18,253	456	321	828	13	841	18.4
276.00	Cameron Park	0	9,015	10,847	265	224	541	12	553	16.3
277.00	Cameron Park	0	6,269	7,938	106	161	416	0	416	15.1
278.00	Unincorporated El Dorado County (Remainder Area)	0	5,223	6,822	84	91	247	0	247	21.2
279.00	Unincorporated El Dorado County (Remainder Area)	0	2,690	3,521	42	45	122	0	122	22.0
280.00	Unincorporated El Dorado County (Remainder Area)	0	1,776	2,197	33	37	98	0	98	18.1
281.00	Unincorporated El Dorado County (Remainder Area)	0	3,804	3,525	539	59	156	36	192	19.8
282.00	Unincorporated El Dorado County (Remainder Area)	0	1,742	2,143	32	39	103	0	103	16.8
283.00	Shingle Springs	0	16,092	3,790	2,058	0	0	161	161	99.9
284.00	Shingle Springs	0	1,618	1,089	303	25	65	25	90	18.1
285.00	Unincorporated El Dorado County (Remainder Area)	0	5,127	1,491	881	12	26	66	92	55.5
286.00	Unincorporated El Dorado County (Remainder Area)	0	1,782	2,317	29	36	95	0	95	18.7
287.00	Unincorporated El Dorado County (Remainder Area)	0	1,712	2,171	29	34	88	0	88	19.5
288.00	Unincorporated El Dorado County (Remainder Area)	0	2,629	3,317	45	51	135	0	135	19.5
289.00	Unincorporated El Dorado County (Remainder Area)	0	359	513	4	8	23	0	23	15.4
290.00	Unincorporated El Dorado County (Remainder Area)	0	2,411	3,217	37	44	129	0	129	18.8
291.00	Unincorporated El Dorado County (Remainder Area)	0	9,904	12,895	181	188	463	0	463	21.4
292.00	Unincorporated El Dorado County (Remainder Area)	0	4,560	6,321	65	72	210	0	210	21.7
293.00	Unincorporated El Dorado County (Remainder Area)	0	1,228	1,271	32	34	77	0	77	15.9
294.00	Unincorporated El Dorado County (Remainder Area)	0	4,015	4,628	94	97	247	0	247	16.3
295.00	Unincorporated El Dorado County (Remainder Area)	0	148,742	5,003	26,629	110	284	1,491	1,775	83.8
296.00	El Dorado Diamond Springs	0	9,633	6,657	852	117	305	56	361	26.7

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297.00	Unincorporated El Dorado County (Remainder Area)	0	2,426	3,128	57	70	182	0	182	13.3
298.00	Unincorporated El Dorado County (Remainder Area)	0	3,280	3,778	75	79	206	0	206	15.9
299.00	Unincorporated El Dorado County (Remainder Area)	0	5,056	6,021	106	106	268	0	268	18.9
300.00	Unincorporated El Dorado County (Remainder Area)	0	1,195	1,384	26	28	71	0	71	16.9
301.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	1	2	0	2	0.1
302.00	Unincorporated El Dorado County (Remainder Area)	0	3,974	2,471	499	57	130	33	163	24.4
303.00	El Dorado Diamond Springs	0	3,466	3,648	91	106	231	0	231	15.0
304.00	El Dorado Diamond Springs	0	6,354	378	2,379	12	27	224	251	25.3
305.00	El Dorado Diamond Springs	0	7,603	0	3,151	1	2	283	285	26.7
306.00	El Dorado Diamond Springs	0	1,630	374	627	10	22	55	77	21.2
307.00	El Dorado Diamond Springs	0	617	493	38	16	36	2	38	16.2
308.00	El Dorado Diamond Springs	0	272	271	15	11	25	1	26	10.5
309.00	El Dorado Diamond Springs	0	532	432	52	14	32	4	36	14.8
310.00	El Dorado Diamond Springs	0	4,145	790	1,291	26	59	122	181	22.9
311.00	El Dorado Diamond Springs	0	8,546	1,191	2,115	38	87	158	245	34.9
312.00	El Dorado Diamond Springs	0	868	886	48	31	70	3	73	11.9
313.00	El Dorado Diamond Springs	0	23,451	4,199	6,912	38	99	506	605	38.8
314.00	El Dorado Diamond Springs	0	2,975	3,075	154	81	206	8	214	13.9
315.00	Outside of County	0	0	0	0	0	0	0	0	-
316.00	El Dorado Diamond Springs	0	341	344	9	13	30	0	30	11.5
317.00	El Dorado Diamond Springs	0	206	209	5	8	18	0	18	11.3
318.00	Unincorporated El Dorado County (Remainder Area)	0	4,309	4,649	137	128	326	2	328	13.1
319.00	El Dorado Diamond Springs	0	1,217	1,211	91	38	99	6	105	11.6
320.00	Unincorporated El Dorado County (Remainder Area)	0	5,122	2,195	538	18	44	39	83	61.4
321.00	Unincorporated El Dorado County (Remainder Area)	0	5,261	6,663	102	104	256	0	256	20.5
322.00	Unincorporated El Dorado County (Remainder Area)	0	7,452	7,993	553	153	387	33	420	17.7
323.00	Unincorporated El Dorado County (Remainder Area)	0	2,832	3,435	85	51	129	4	133	21.3
324.00	Unincorporated El Dorado County (Remainder Area)	0	3,634	4,763	61	64	165	0	165	22.1
325.00	Unincorporated El Dorado County (Remainder Area)	0	705	875	14	16	39	0	39	17.9
326.00	Unincorporated El Dorado County (Remainder Area)	0	2,167	2,720	54	49	121	1	122	17.8
327.00	Placerville	0	1,700	1,993	39	40	101	0	101	16.9
328.00	Unincorporated El Dorado County (Remainder Area)	0	845	993	18	19	48	0	48	17.7
329.00	Placerville	0	4,853	5,424	124	139	317	0	317	15.3
330.00	Unincorporated El Dorado County (Remainder Area)	0	2,693	3,106	65	73	184	0	184	14.6
331.00	Unincorporated El Dorado County (Remainder Area)	0	5,817	7,107	116	110	274	0	274	21.2
332.00	Unincorporated El Dorado County (Remainder Area)	0	1,538	1,796	36	47	104	0	104	14.7
333.00	Unincorporated El Dorado County (Remainder Area)	0	4,526	5,658	86	91	226	0	226	20.1
334.00	Unincorporated El Dorado County (Remainder Area)	0	3,810	1,170	1,319	26	58	110	168	22.7
335.00	Unincorporated El Dorado County (Remainder Area)	0	3,009	3,269	124	77	165	5	170	17.7
336.00	Unincorporated El Dorado County (Remainder Area)	0	1,221	1,467	25	30	70	0	70	17.3
337.00	Unincorporated El Dorado County (Remainder Area)	0	9,212	7,622	873	121	302	62	364	25.3
338.00	Unincorporated El Dorado County (Remainder Area)	0	14,111	17,844	372	322	831	14	845	16.7
339.00	Unincorporated El Dorado County (Remainder Area)	0	8,574	12,342	119	188	410	0	410	20.9
340.00	Unincorporated El Dorado County (Remainder Area)	0	6,888	8,563	225	93	205	14	219	31.5
341.00	Unincorporated El Dorado County (Remainder Area)	0	1,488	1,914	86	31	71	8	79	18.9
342.00	Unincorporated El Dorado County (Remainder Area)	0	2,618	3,262	49	48	124	0	124	21.1
343.00	Unincorporated El Dorado County (Remainder Area)	0	3,486	4,089	63	53	116	0	116	30.1
344.00	Unincorporated El Dorado County (Remainder Area)	0	3,757	4,471	68	55	120	0	120	31.3
345.00	Unincorporated El Dorado County (Remainder Area)	0	1,795	1,944	34	29	63	0	63	28.3
346.00	Unincorporated El Dorado County (Remainder Area)	0	1,271	1,395	24	22	49	0	49	25.7
347.00	Unincorporated El Dorado County (Remainder Area)	0	2,909	3,669	48	42	108	0	108	26.9
348.00	Unincorporated El Dorado County (Remainder Area)	0	2,803	2,989	63	49	110	0	110	25.4
349.00	Unincorporated El Dorado County (Remainder Area)	0	6,290	7,996	253	83	191	18	209	30.0
350.00	Unincorporated El Dorado County (Remainder Area)	0	1,177	1,679	17	22	48	0	48	24.5
351.00	Unincorporated El Dorado County (Remainder Area)	0	1,305	1,878	16	23	50	0	50	26.0
352.00	Unincorporated El Dorado County (Remainder Area)	0	1,855	2,619	24	29	63	0	63	29.3
353.00	Unincorporated El Dorado County (Remainder Area)	0	9,020	13,246	100	167	365	1	366	24.7
354.00	Unincorporated El Dorado County (Remainder Area)	0	5,519	3,522	749	53	116	77	193	28.6
355.00	Placerville	1	14,303	6,516	2,958	241	550	244	794	18.0
356.00	Placerville	1	2,493	2,636	73	91	195	0	195	12.8
357.00	Unincorporated El Dorado County (Remainder Area)	0	4,884	3,807	368	89	209	21	230	21.2
358.00	Placerville	0	5,867	2,926	1,188	81	190	98	288	20.4
359.00	Unincorporated El Dorado County (Remainder Area)	0	4,278	5,065	94	105	254	0	254	16.8
360.00	Unincorporated El Dorado County (Remainder Area)	0	5,333	5,762	240	98	237	10	247	21.6
361.00	Placerville	1	17,719	10,198	4,163	458	938	392	1,330	13.3
362.00	Placerville	1	46,185	5,896	10,944	252	591	876	1,467	31.5
363.00	Unincorporated El Dorado County (Remainder Area)	0	326	341	9	13	31	0	31	10.5
364.00	Placerville	0	4,036	3,517	416	138	328	30	358	11.3
365.00	El Dorado Diamond Springs	0	10,876	8,607	1,046	322	722	71	793	13.7
366.00	El Dorado Diamond Springs	0	380	273	42	15	31	4	35	10.8
367.00	El Dorado Diamond Springs	0	4,057	0	1,960	0	0	197	197	20.6
368.00	El Dorado Diamond Springs	0	1,587	1,720	48	68	149	0	149	10.7
369.00	El Dorado Diamond Springs	0	5,661	5,721	283	228	507	13	520	10.9
370.00	El Dorado Diamond Springs	0	6,437	0	3,037	0	0	303	303	21.2

VMT Summary by Jurisdiction - 2018 Baseline Scenario (Plus Project - Mitigation) With 22,000 SF Commercial Retail

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
371.00	El Dorado Diamond Springs	0	739	792	17	21	47	0	47	15.8
372.00	El Dorado Diamond Springs	0	16,823	7,744	2,414	195	433	211	644	26.1
373.00	El Dorado Diamond Springs	0	651	640	19	26	59	0	59	11.1
374.00	El Dorado Diamond Springs	0	413	327	29	13	28	2	30	13.6
375.00	El Dorado Diamond Springs	0	368	366	10	14	32	0	32	11.6
376.00	El Dorado Diamond Springs	0	970	928	57	34	77	3	80	12.2
377.00	El Dorado Diamond Springs	0	560	327	157	13	29	14	43	12.9
378.00	El Dorado Diamond Springs	0	666	649	19	27	59	0	59	11.3
379.00	El Dorado Diamond Springs	0	1,099	1,106	31	48	105	0	105	10.5
380.00	El Dorado Diamond Springs	0	255	244	7	12	26	0	26	9.7
381.00	El Dorado Diamond Springs	0	158	143	5	7	15	0	15	10.3
382.00	El Dorado Diamond Springs	0	260	236	8	11	24	0	24	10.8
383.00	Unincorporated El Dorado County (Remainder Area)	0	1,590	1,734	40	46	102	0	102	15.6
384.00	El Dorado Diamond Springs	0	3,650	3,953	95	120	267	0	267	13.7
385.00	El Dorado Diamond Springs	0	11,701	13,597	337	451	1,002	0	1,002	11.7
386.00	El Dorado Diamond Springs	0	2,653	2,909	67	90	200	0	200	13.3
387.00	El Dorado Diamond Springs	0	1,170	923	107	36	80	8	88	13.3
388.00	El Dorado Diamond Springs	0	6,365	0	3,067	0	0	303	303	21.0
389.00	El Dorado Diamond Springs	0	6,133	11	2,617	2	4	264	268	22.9
390.00	El Dorado Diamond Springs	0	4,300	3,874	359	182	379	23	402	10.7
391.00	El Dorado Diamond Springs	0	2,176	195	547	11	23	54	77	28.3
392.00	El Dorado Diamond Springs	0	670	597	23	28	58	0	58	11.5
393.00	El Dorado Diamond Springs	0	8,998	6,315	1,003	268	605	68	673	13.4
394.00	El Dorado Diamond Springs	0	186	201	5	8	22	0	22	8.5
395.00	Placerville	1	62,262	1,571	26,083	74	166	2,253	2,419	25.7
396.00	El Dorado Diamond Springs	0	28,211	0	5,839	0	0	439	439	64.3
397.00	El Dorado Diamond Springs	0	1,329	1,258	69	50	114	3	117	11.4
398.00	El Dorado Diamond Springs	0	413	320	38	14	32	3	35	11.9
399.00	El Dorado Diamond Springs	0	1,123	1,125	32	43	97	0	97	11.6
400.00	El Dorado Diamond Springs	0	312	260	11	16	33	0	33	9.4
401.00	Placerville	0	9,005	653	2,629	28	63	213	276	32.7
402.00	El Dorado Diamond Springs	0	3,538	1,437	1,077	51	133	106	239	14.8
403.00	El Dorado Diamond Springs	0	23,857	3,635	7,779	124	258	654	912	26.1
404.00	El Dorado Diamond Springs	0	1,342	406	459	19	42	49	91	14.8
405.00	El Dorado Diamond Springs	0	169	148	5	9	20	0	20	8.6
406.00	El Dorado Diamond Springs	0	19,007	550	3,783	24	53	286	339	56.1
407.00	El Dorado Diamond Springs	0	9,557	18	3,374	1	2	309	311	30.7
408.00	El Dorado Diamond Springs	0	4,170	22	1,742	1	2	182	184	22.7
409.00	Placerville	0	18,710	2,999	5,653	104	248	445	693	27.0
410.00	El Dorado Diamond Springs	0	24,435	14,551	3,607	426	1,031	277	1,308	18.7
411.00	Placerville	1	50,617	6,108	13,308	298	712	1,271	1,983	25.5
412.00	Unincorporated El Dorado County (Remainder Area)	0	2,962	3,185	79	86	206	0	206	14.4
413.00	Placerville	0	3,598	3,762	102	126	301	0	301	11.9
414.00	El Dorado Diamond Springs	0	2,618	129	1,180	7	15	120	135	19.5
415.00	Unincorporated El Dorado County (Remainder Area)	0	433	439	12	18	40	0	40	10.7
416.00	El Dorado Diamond Springs	0	147	144	4	9	19	0	19	7.8
417.00	Placerville	1	9,699	1,089	2,871	45	114	278	392	24.8
418.00	Placerville	1	3,177	0	673	0	0	64	64	49.6
419.00	Placerville	1	3,288	0	845	0	0	85	85	38.7
420.00	Placerville	1	1,758	950	499	42	100	52	152	11.5
421.00	Placerville	1	1,655	1,562	97	68	163	5	168	9.9
422.00	Placerville	1	52,773	6,294	24,702	278	652	1,907	2,559	20.6
423.00	Unincorporated El Dorado County (Remainder Area)	0	458	478	12	20	48	0	48	9.6
424.00	Placerville	0	10,234	4,809	2,519	171	391	228	619	16.5
425.00	Placerville	0	52,961	32,101	5,954	1,167	2,617	563	3,180	16.7
426.00	Placerville	0	856	983	19	33	82	0	82	10.4
427.00	Unincorporated El Dorado County (Remainder Area)	0	3,951	4,521	92	93	232	0	232	17.1
428.00	Unincorporated El Dorado County (Remainder Area)	0	641	735	15	22	55	0	55	11.7
429.00	Unincorporated El Dorado County (Remainder Area)	0	1,306	1,642	35	35	83	0	83	15.8
430.00	Unincorporated El Dorado County (Remainder Area)	0	2,525	2,461	178	58	137	10	147	17.2
431.00	Placerville	1	1,794	468	655	22	45	60	105	17.1
432.00	Unincorporated El Dorado County (Remainder Area)	0	15,261	10,449	2,699	309	729	229	958	15.9
433.00	Placerville	1	10,413	9,596	707	481	1,041	36	1,077	9.7
434.00	Placerville	1	671	582	23	33	71	0	71	9.5
435.00	Placerville	1	1,184	640	243	36	77	27	104	11.4
436.00	Unincorporated El Dorado County (Remainder Area)	0	966	1,143	20	25	62	0	62	15.5
437.00	Unincorporated El Dorado County (Remainder Area)	0	5,363	5,642	248	117	287	12	299	17.9
438.00	Unincorporated El Dorado County (Remainder Area)	0	5,580	5,254	233	124	278	11	289	19.3
439.00	Unincorporated El Dorado County (Remainder Area)	0	5,413	6,285	172	156	350	3	353	15.3
440.00	Unincorporated El Dorado County (Remainder Area)	0	1,393	1,096	178	28	63	15	78	17.9
441.00	Placerville	1	361	374	9	12	29	0	29	12.6
442.00	Placerville	1	13,096	10,617	1,038	313	768	69	837	15.7
443.00	Unincorporated El Dorado County (Remainder Area)	0	1,455	1,559	36	38	85	0	85	17.1
444.00	Unincorporated El Dorado County (Remainder Area)	0	199	218	5	8	19	0	19	10.4

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445.00	Placerville	0	1,040	895	151	23	56	11	67	15.4
446.00	Placerville	1	1,760	845	247	25	59	19	78	22.7
447.00	Unincorporated El Dorado County (Remainder Area)	0	3,239	3,949	67	76	189	0	189	17.1
448.00	Placerville	0	1,797	2,081	74	53	130	4	134	13.4
449.00	Unincorporated El Dorado County (Remainder Area)	0	538	569	14	14	30	0	30	18.0
450.00	Unincorporated El Dorado County (Remainder Area)	0	3,263	2,662	393	84	180	31	211	15.5
451.00	Unincorporated El Dorado County (Remainder Area)	0	978	1,029	26	27	58	0	58	16.9
452.00	Placerville	0	6,297	4,033	500	121	259	33	292	21.6
453.00	Placerville	1	2,906	3,061	121	145	310	1	311	9.3
454.00	Unincorporated El Dorado County (Remainder Area)	0	566	540	18	25	54	0	54	10.6
455.00	Unincorporated El Dorado County (Remainder Area)	0	2,705	3,044	67	73	172	0	172	15.7
456.00	Unincorporated El Dorado County (Remainder Area)	0	1,874	2,048	48	51	109	0	109	17.2
457.00	Unincorporated El Dorado County (Remainder Area)	0	2,801	3,044	130	62	137	5	142	19.7
458.00	Placerville	0	2,935	2,587	344	67	157	26	183	16.0
459.00	Placerville	0	308	351	7	11	26	0	26	11.9
460.00	Unincorporated El Dorado County (Remainder Area)	0	1,456	961	265	22	47	20	67	21.7
461.00	Unincorporated El Dorado County (Remainder Area)	0	1,565	221	617	6	14	59	73	21.4
462.00	Unincorporated El Dorado County (Remainder Area)	0	5,227	1,271	1,757	31	66	125	191	27.3
463.00	Unincorporated El Dorado County (Remainder Area)	0	4,465	7,241	39	85	194	0	194	23.0
464.00	Unincorporated El Dorado County (Remainder Area)	0	2,525	3,305	39	47	104	0	104	24.4
465.00	Unincorporated El Dorado County (Remainder Area)	0	3,951	5,692	115	58	134	16	150	26.4
466.00	Unincorporated El Dorado County (Remainder Area)	0	3,540	4,408	202	61	139	22	161	21.9
467.00	Unincorporated El Dorado County (Remainder Area)	0	2,482	3,844	23	39	89	0	89	27.9
468.00	Unincorporated El Dorado County (Remainder Area)	0	6,771	9,746	125	120	277	6	283	24.0
469.00	Unincorporated El Dorado County (Remainder Area)	0	4,089	5,673	137	59	131	15	146	28.0
470.00	Unincorporated El Dorado County (Remainder Area)	0	2,030	3,073	27	32	73	1	74	27.4
471.00	Unincorporated El Dorado County (Remainder Area)	0	1,476	2,036	54	23	53	6	59	25.2
472.00	Unincorporated El Dorado County (Remainder Area)	0	1,953	2,293	147	26	59	20	79	24.6
473.00	Unincorporated El Dorado County (Remainder Area)	0	602	574	30	10	23	2	25	24.0
474.00	Unincorporated El Dorado County (Remainder Area)	0	1,691	2,172	28	37	81	0	81	20.9
475.00	Unincorporated El Dorado County (Remainder Area)	0	1,794	2,377	27	38	83	0	83	21.6
476.00	Unincorporated El Dorado County (Remainder Area)	0	859	1,121	12	16	41	0	41	20.8
477.00	Unincorporated El Dorado County (Remainder Area)	0	2,038	2,553	124	30	69	15	84	24.2
478.00	Unincorporated El Dorado County (Remainder Area)	0	1,477	1,907	24	30	66	0	66	22.4
479.00	Unincorporated El Dorado County (Remainder Area)	0	4,068	3,145	442	51	118	37	155	26.3
480.00	Unincorporated El Dorado County (Remainder Area)	0	1,298	1,996	13	20	46	0	46	28.4
481.00	Unincorporated El Dorado County (Remainder Area)	0	1,334	2,026	15	20	44	0	44	30.3
482.00	Unincorporated El Dorado County (Remainder Area)	0	5,636	7,936	92	74	163	3	166	34.0
483.00	Unincorporated El Dorado County (Remainder Area)	0	4,423	5,229	174	115	249	9	258	17.2
484.00	Unincorporated El Dorado County (Remainder Area)	0	6,750	5,628	949	91	227	114	341	19.8
485.00	Unincorporated El Dorado County (Remainder Area)	0	1,056	1,518	11	15	37	0	37	28.3
486.00	Unincorporated El Dorado County (Remainder Area)	0	4,053	5,861	47	69	156	0	156	26.0
487.00	Unincorporated El Dorado County (Remainder Area)	0	11,799	11,286	740	221	519	36	555	21.3
488.00	Unincorporated El Dorado County (Remainder Area)	0	5,512	7,529	86	107	242	0	242	22.8
489.00	Unincorporated El Dorado County (Remainder Area)	0	6,868	7,049	661	133	300	58	358	19.2
490.00	Unincorporated El Dorado County (Remainder Area)	0	1,171	1,523	19	24	60	0	60	19.6
491.00	Unincorporated El Dorado County (Remainder Area)	0	7,358	9,071	177	160	399	3	402	18.3
492.00	Unincorporated El Dorado County (Remainder Area)	0	5,053	4,459	410	71	176	31	207	24.4
493.00	Unincorporated El Dorado County (Remainder Area)	0	5,101	4,556	371	72	178	26	204	24.9
494.00	Unincorporated El Dorado County (Remainder Area)	0	3,253	3,950	138	68	170	10	180	18.1
495.00	Unincorporated El Dorado County (Remainder Area)	0	650	846	11	16	40	0	40	16.3
496.00	Unincorporated El Dorado County (Remainder Area)	0	7,363	4,549	834	81	201	67	268	27.5
497.00	Unincorporated El Dorado County (Remainder Area)	0	4,319	5,706	101	88	224	3	227	19.0
498.00	Unincorporated El Dorado County (Remainder Area)	0	3,433	4,447	104	70	158	6	164	20.9
499.00	Unincorporated El Dorado County (Remainder Area)	0	1,335	1,778	22	30	75	0	75	17.8
500.00	Unincorporated El Dorado County (Remainder Area)	0	4,108	1,350	605	11	26	51	77	53.5
501.00	Unincorporated El Dorado County (Remainder Area)	0	2,804	1,012	771	22	49	83	132	21.3
502.00	Unincorporated El Dorado County (Remainder Area)	0	6,995	7,651	352	117	272	18	290	24.1
503.00	Unincorporated El Dorado County (Remainder Area)	0	4,165	0	1,012	1	2	76	78	53.2
504.00	Unincorporated El Dorado County (Remainder Area)	0	6,080	6,469	344	141	313	19	332	18.3
505.00	Unincorporated El Dorado County (Remainder Area)	0	73	85	1	3	7	0	7	11.0
506.00	Unincorporated El Dorado County (Remainder Area)	0	1,023	1,238	22	28	62	0	62	16.5
507.00	Unincorporated El Dorado County (Remainder Area)	0	2,742	2,368	393	50	116	37	153	17.9
508.00	Unincorporated El Dorado County (Remainder Area)	0	6,680	3,488	1,843	85	184	186	370	18.1
509.00	Unincorporated El Dorado County (Remainder Area)	0	391	425	22	12	27	2	29	13.7
510.00	Unincorporated El Dorado County (Remainder Area)	0	3,221	3,488	158	92	199	10	209	15.4
511.00	Unincorporated El Dorado County (Remainder Area)	0	2,734	1,875	360	45	105	33	138	19.9
512.00	Unincorporated El Dorado County (Remainder Area)	0	2,830	1,971	368	37	86	27	113	25.0
513.00	Unincorporated El Dorado County (Remainder Area)	0	7,417	10,725	85	142	354	0	354	21.0
514.00	Unincorporated El Dorado County (Remainder Area)	0	31,793	46,785	312	622	1,551	0	1,551	20.5
515.00	Unincorporated El Dorado County (Remainder Area)	0	3,599	4,773	106	69	176	8	184	19.6
516.00	Unincorporated El Dorado County (Remainder Area)	0	8,107	11,755	87	142	362	0	362	22.4
517.00	Unincorporated El Dorado County (Remainder Area)	0	18,915	21,146	1,117	388	857	101	958	19.7
518.00	Unincorporated El Dorado County (Remainder Area)	0	11,883	15,674	307	289	671	17	688	17.3

VMT Summary by Jurisdiction - 2018 Baseline Scenario (Plus Project - Mitigation) With 22,000 SF Commercial Retail

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
519.00	Unincorporated El Dorado County (Remainder Area)	0	5,863	7,793	191	142	330	12	342	17.2
520.00	Unincorporated El Dorado County (Remainder Area)	0	11,909	16,065	269	266	617	12	629	18.9
521.00	Unincorporated El Dorado County (Remainder Area)	0	10,823	13,061	582	290	641	60	701	15.4
522.00	Unincorporated El Dorado County (Remainder Area)	0	5,078	7,195	64	85	221	0	221	23.0
523.00	Unincorporated El Dorado County (Remainder Area)	0	16,403	10,323	1,919	240	588	206	794	20.6
524.00	Unincorporated El Dorado County (Remainder Area)	0	14,748	12,660	1,118	205	490	103	593	24.9
525.00	Unincorporated El Dorado County (Remainder Area)	0	4,883	7,148	44	85	199	0	199	24.5
526.00	Unincorporated El Dorado County (Remainder Area)	0	245	336	3	5	12	0	12	20.1
527.00	Unincorporated El Dorado County (Remainder Area)	0	7,737	9,468	362	162	380	38	418	18.5
528.00	Unincorporated El Dorado County (Remainder Area)	0	59,848	84,379	798	1,001	2,429	72	2,501	23.9
529.00	Unincorporated El Dorado County (Remainder Area)	0	917	1,148	13	15	36	0	36	25.3
530.00	Unincorporated El Dorado County (Remainder Area)	0	12,919	17,308	192	191	462	0	462	28.0
531.00	Unincorporated El Dorado County (Remainder Area)	0	2,525	3,387	35	34	82	0	82	30.7
532.00	Unincorporated El Dorado County (Remainder Area)	0	3,993	5,150	60	61	147	0	147	27.1
533.00	Unincorporated El Dorado County (Remainder Area)	0	9,316	8,567	648	105	271	34	305	30.6
534.00	Unincorporated El Dorado County (Remainder Area)	0	3,780	4,946	53	53	128	0	128	29.5
535.00	Unincorporated El Dorado County (Remainder Area)	0	5,926	7,796	75	91	221	0	221	26.8
536.00	Unincorporated El Dorado County (Remainder Area)	0	5,085	6,572	65	82	200	0	200	25.5
537.00	Unincorporated El Dorado County (Remainder Area)	0	10,387	14,131	107	165	402	0	402	25.9
538.00	Unincorporated El Dorado County (Remainder Area)	0	3,965	3,042	306	44	107	22	129	30.8
539.00	Unincorporated El Dorado County (Remainder Area)	0	13,025	1,313	2,088	6	15	166	181	72.2
540.00	Unincorporated El Dorado County (Remainder Area)	0	2,859	0	575	0	0	53	53	53.9
541.00	Unincorporated El Dorado County (Remainder Area)	0	1,049	1,115	61	18	42	6	48	21.8
542.00	Unincorporated El Dorado County (Remainder Area)	0	3,605	3,080	414	52	123	37	160	22.5
543.00	Unincorporated El Dorado County (Remainder Area)	0	10,549	2,425	1,780	49	114	107	221	47.6
544.00	Unincorporated El Dorado County (Remainder Area)	0	678	494	104	9	21	8	29	23.4
545.00	Unincorporated El Dorado County (Remainder Area)	0	1,521	2,044	16	23	54	0	54	28.3
546.00	Unincorporated El Dorado County (Remainder Area)	0	4,812	6,424	54	61	143	0	143	33.8
547.00	Unincorporated El Dorado County (Remainder Area)	0	4,023	522	484	10	23	46	69	58.0
548.00	Unincorporated El Dorado County (Remainder Area)	0	17,430	23,215	469	386	910	22	932	18.7
549.00	Unincorporated El Dorado County (Remainder Area)	0	2,156	2,710	39	42	99	0	99	21.8
550.00	Unincorporated El Dorado County (Remainder Area)	0	265	346	4	7	18	0	18	14.7
551.00	Unincorporated El Dorado County (Remainder Area)	0	5,417	2,514	784	41	105	54	159	34.0
552.00	Unincorporated El Dorado County (Remainder Area)	0	2,436	421	502	8	19	32	51	48.1
553.00	Unincorporated El Dorado County (Remainder Area)	0	1,563	2,048	26	32	75	0	75	20.9
554.00	Unincorporated El Dorado County (Remainder Area)	0	4,035	5,224	105	83	194	4	198	20.4
555.00	Unincorporated El Dorado County (Remainder Area)	0	1,650	2,229	24	34	80	0	80	20.5
556.00	Unincorporated El Dorado County (Remainder Area)	0	5,081	6,948	66	82	192	0	192	26.5
557.00	Unincorporated El Dorado County (Remainder Area)	0	1,692	2,088	31	35	82	1	83	20.4
558.00	Unincorporated El Dorado County (Remainder Area)	0	2,715	2,984	164	36	84	19	103	26.3
559.00	Unincorporated El Dorado County (Remainder Area)	0	1,378	1,826	17	25	59	0	59	23.5
560.00	Unincorporated El Dorado County (Remainder Area)	0	1,601	1,666	100	27	63	10	73	21.9
561.00	Unincorporated El Dorado County (Remainder Area)	0	1,177	1,570	18	22	52	0	52	22.6
562.00	Unincorporated El Dorado County (Remainder Area)	0	4,013	5,892	39	62	145	0	145	27.6
563.00	Unincorporated El Dorado County (Remainder Area)	0	2,208	3,355	17	32	71	0	71	31.2
564.00	Unincorporated El Dorado County (Remainder Area)	0	618	829	10	14	33	0	33	18.5
565.00	Unincorporated El Dorado County (Remainder Area)	0	2,622	3,650	39	56	129	0	129	20.3
566.00	Unincorporated El Dorado County (Remainder Area)	0	3,986	5,362	71	93	220	1	221	18.0
567.00	Unincorporated El Dorado County (Remainder Area)	0	669	811	26	18	42	2	44	15.4
568.00	Unincorporated El Dorado County (Remainder Area)	0	927	1,251	14	26	62	0	62	15.1
569.00	Unincorporated El Dorado County (Remainder Area)	0	3,698	2,834	299	61	144	31	175	21.1
570.00	Unincorporated El Dorado County (Remainder Area)	0	4,747	2,117	777	40	92	92	184	25.8
571.00	Unincorporated El Dorado County (Remainder Area)	0	1,366	1,833	22	33	76	0	76	17.9
572.00	Unincorporated El Dorado County (Remainder Area)	0	1,863	1,369	263	25	61	34	95	19.6
573.00	Unincorporated El Dorado County (Remainder Area)	0	6,497	7,820	122	89	197	2	199	32.7
574.00	Unincorporated El Dorado County (Remainder Area)	0	5,044	7,982	30	71	174	0	174	29.0
575.00	Unincorporated El Dorado County (Remainder Area)	0	2,773	4,108	16	29	71	0	71	39.0
576.00	Unincorporated El Dorado County (Remainder Area)	0	1,090	1,537	17	19	42	1	43	25.4
577.00	Unincorporated El Dorado County (Remainder Area)	0	751	1,112	7	13	29	0	29	26.1
578.00	Unincorporated El Dorado County (Remainder Area)	0	23,441	37,182	106	370	817	0	817	28.7
579.00	Unincorporated El Dorado County (Remainder Area)	0	3,783	5,267	101	38	96	12	108	34.9
580.00	Unincorporated El Dorado County (Remainder Area)	0	2,884	4,127	62	35	89	5	94	30.7
581.00	Unincorporated El Dorado County (Remainder Area)	0	4,279	5,099	292	43	95	32	127	33.8
582.00	Unincorporated El Dorado County (Remainder Area)	0	1,260	1,706	17	13	34	0	34	37.3
583.00	Unincorporated El Dorado County (Remainder Area)	0	27,702	43,226	213	352	774	10	784	35.3
584.00	Unincorporated El Dorado County (Remainder Area)	0	1,736	2,093	56	18	40	3	43	40.7
585.00	Unincorporated El Dorado County (Remainder Area)	0	9,573	14,358	78	124	273	0	273	35.1
586.00	Unincorporated El Dorado County (Remainder Area)	0	5,836	2,513	1,562	51	91	92	183	32.0
587.00	Unincorporated El Dorado County (Remainder Area)	0	2,271	3,400	17	39	99	0	99	22.8
588.00	Unincorporated El Dorado County (Remainder Area)	0	19,688	30,023	126	323	805	0	805	24.5
589.00	Unincorporated El Dorado County (Remainder Area)	0	392	625	2	3	12	0	12	32.7
590.00	Unincorporated El Dorado County (Remainder Area)	0	827	1,138	12	18	46	0	46	18.1
591.00	Unincorporated El Dorado County (Remainder Area)	0	86	122	1	3	8	0	8	11.3
592.00	Unincorporated El Dorado County (Remainder Area)	0	12,682	13,189	741	339	749	91	840	15.1

VMT Summary by Jurisdiction - 2018 Baseline Scenario (Plus Project - Mitigation) With 22,000 SF Commercial Retail

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
593.00	Unincorporated El Dorado County (Remainder Area)	0	6,913	9,033	265	151	382	28	410	16.8
594.00	Unincorporated El Dorado County (Remainder Area)	0	16,897	24,671	182	312	790	5	795	21.2
595.00	Unincorporated El Dorado County (Remainder Area)	0	1,936	1,816	265	25	56	31	87	22.1
596.00	Unincorporated El Dorado County (Remainder Area)	0	2,827	2,768	221	34	85	25	110	25.8
597.00	Unincorporated El Dorado County (Remainder Area)	0	11,029	4,008	1,920	106	234	278	512	21.5
598.00	Unincorporated El Dorado County (Remainder Area)	0	1,718	540	260	14	31	35	66	26.1
599.00	Unincorporated El Dorado County (Remainder Area)	0	709	962	11	17	38	0	38	18.9
600.00	Unincorporated El Dorado County (Remainder Area)	0	11,236	11,004	1,270	205	453	130	583	19.3
601.00	Unincorporated El Dorado County (Remainder Area)	0	1,336	1,896	4	10	22	0	22	60.8
602.00	Unincorporated El Dorado County (Remainder Area)	0	433	136	53	3	5	2	7	59.0
603.00	Unincorporated El Dorado County (Remainder Area)	0	905	726	84	11	20	2	22	42.0
604.00	Unincorporated El Dorado County (Remainder Area)	0	1,417	1,771	109	17	33	3	36	39.2
605.00	Unincorporated El Dorado County (Remainder Area)	0	1,654	1,764	87	18	38	2	40	41.4
606.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
607.00	Unincorporated El Dorado County (Remainder Area)	0	3,531	4,847	12	19	49	0	49	71.5
608.00	Unincorporated El Dorado County (Remainder Area)	0	6	0	0	1	2	0	2	2.9
609.00	Unincorporated El Dorado County (Remainder Area)	0	3,021	3,190	117	34	72	4	76	39.9
610.00	El Dorado Hills	0	38,847	186	20,322	0	0	1,745	1,745	22.3
611.00	El Dorado Hills	0	315	0	10	153	0	1	1	315.2
612.00	El Dorado Hills	0	79,316	0	44,398	0	0	3,121	3,121	25.4
613.00	Unincorporated El Dorado County (Remainder Area)	0	72	68	1	2	5	0	5	14.0
614.00	El Dorado Hills	0	5,978	7,121	115	150	383	0	383	15.6
615.00	El Dorado Hills	0	12,144	9,065	1,028	150	402	75	477	25.5
616.00	El Dorado Hills	0	1,375	1,639	25	37	94	0	94	14.7
617.00	El Dorado Hills	0	20,576	12,685	1,244	187	547	118	665	30.9
618.00	El Dorado Hills	0	3,129	0	1,241	0	0	146	146	21.4
619.00	El Dorado Hills	0	3,423	0	1,249	0	0	151	151	22.7
620.00	El Dorado Hills	0	17,664	3,477	1,771	0	0	188	188	94.0
621.00	El Dorado Hills	0	14,309	18,811	223	327	957	0	957	15.0
622.00	El Dorado Hills	0	21,961	21,512	1,625	370	1,083	147	1,230	17.9
623.00	Unincorporated El Dorado County (Remainder Area)	0	393	0	174	0	0	16	16	24.6
624.00	El Dorado Hills	0	15,979	17,773	1,186	308	905	96	1,001	16.0
625.00	El Dorado Hills	0	861	0	415	0	0	40	40	21.5
626.00	Unincorporated El Dorado County (Remainder Area)	0	8,687	7,525	1,098	164	383	98	481	18.1
627.00	Unincorporated El Dorado County (Remainder Area)	0	53,988	0	11,193	0	0	897	897	60.2
628.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
629.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
630.00	Unincorporated El Dorado County (Remainder Area)	0	43,337	58,377	550	800	2,358	0	2,358	18.4
631.00	Unincorporated El Dorado County (Remainder Area)	0	4,194	0	583	0	0	49	49	85.6
632.00	Unincorporated El Dorado County (Remainder Area)	0	1,479	1,763	25	37	94	0	94	15.8
633.00	Unincorporated El Dorado County (Remainder Area)	0	6,283	7,473	121	150	379	0	379	16.6
634.00	Unincorporated El Dorado County (Remainder Area)	0	6,569	7,864	121	150	379	0	379	17.3
635.00	Unincorporated El Dorado County (Remainder Area)	0	5,049	5,967	93	113	286	0	286	17.7
636.00	Unincorporated El Dorado County (Remainder Area)	0	4,498	6,189	81	120	322	0	322	14.0
637.00	Unincorporated El Dorado County (Remainder Area)	0	8,299	10,075	140	171	458	0	458	18.1
638.00	Unincorporated El Dorado County (Remainder Area)	0	1,037	1,267	16	23	62	0	62	16.8
639.00	Unincorporated El Dorado County (Remainder Area)	0	2,274	2,822	36	46	123	0	123	18.4
640.00	Unincorporated El Dorado County (Remainder Area)	0	7,860	9,731	126	176	472	0	472	16.7
641.00	Unincorporated El Dorado County (Remainder Area)	0	2,090	2,605	33	46	123	0	123	16.9
642.00	Unincorporated El Dorado County (Remainder Area)	0	28,296	33,328	1,270	637	1,708	93	1,801	15.7
643.00	Unincorporated El Dorado County (Remainder Area)	0	9,788	12,074	162	216	579	0	579	16.9
644.00	Unincorporated El Dorado County (Remainder Area)	0	2,924	3,675	47	76	194	0	194	15.1
645.00	Unincorporated El Dorado County (Remainder Area)	0	21,230	24,665	957	415	1,059	51	1,110	19.1
646.00	Unincorporated El Dorado County (Remainder Area)	0	8,835	11,043	156	192	490	0	490	18.0
647.00	Unincorporated El Dorado County (Remainder Area)	0	1,587	1,895	69	38	97	6	103	15.4
648.00	Unincorporated El Dorado County (Remainder Area)	0	1,806	2,168	46	38	182	2	184	9.8
649.00	Unincorporated El Dorado County (Remainder Area)	0	5,529	3,128	32	38	194	0	194	28.5
650.00	Outside of County	0	3,021,923	1,489,383	472,441	0	0	0	0	-
651.00	Outside of County	0	28,473	14,329	4,218	0	0	0	0	-
652.00	Outside of County	0	0	0	0	0	0	0	0	-
653.00	Outside of County	0	391,929	159,708	51,590	0	0	0	0	-
654.00	Outside of County	0	56,434	9,117	2,898	0	0	0	0	-
655.00	Outside of County	0	269,959	107,615	35,314	0	0	0	0	-
656.00	Outside of County	0	77,967	18,265	8,774	0	0	0	0	-
657.00	Outside of County	0	187,626	8,230	3,870	0	0	0	0	-
658.00	Outside of County	0	0	0	0	0	0	0	0	-
659.00	Outside of County	0	7,573	3,135	1,425	0	0	0	0	-
660.00	Outside of County	0	164,290	82,710	32,448	0	0	0	0	-
661.00	Outside of County	0	157,773	71,620	25,826	0	0	0	0	-
662.00	Outside of County	0	699,015	338,176	119,219	0	0	0	0	-
663.00	Outside of County	0	679,964	227,295	81,022	0	0	0	0	-
664.00	Outside of County	0	348,286	190,528	55,301	0	0	0	0	-
665.00	Outside of County	0	199,746	79,763	31,164	0	0	0	0	-
666.00	Outside of County	0	88,416	45,208	14,431	0	0	0	0	-

VMT Summary by Jurisdiction - 2018 Baseline Scenario (Plus Project - Mitigation) With 22,000 SF Commercial Retail

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
667.00	Outside of County	0	0	0	0	0	0	0	0	-
668.00	Outside of County	0	512,834	311,733	0	0	0	0	0	-
669.00	Outside of County	0	0	0	0	0	0	0	0	-
670.00	Outside of County	0	0	0	0	0	0	0	0	-
671.00	Outside of County	0	170,054	95,970	23,883	0	0	0	0	-
672.00	Outside of County	0	33,222	34,213	0	0	0	0	0	-
673.00	Outside of County	0	24,875	14,889	0	0	0	0	0	-
674.00	Outside of County	0	355,398	29,933	0	0	0	0	0	-

2040 Baseline Scenario (Plus Project – Mitigation)

-WITH-

22,000 SF Commercial Retail

VMT Summary by Jurisdiction - 2040 Baseline Scenario (Plus Project - Mitigation) With 22,000 SF Commercial Retail

	VMT Estimates			VMT Efficiency Metrics			Population Details				
Jurisdiction	Total OD VMT	Home-based PA VMT	Home-based Work PA VMT	Total VMT per Service Population	Home-based VMT per Capita	Home-based Work VMT per Employee	Total Households	Total Population	Total Employment	Total Service Population	Persons Per Household
City of Placerville	403,767	62,673	105,788	24.8	8.2	12.2	3,429	7,658	8,649	16,307	2.23
Unincorporated El Dorado County	5,078,680	3,148,516	675,906	21.1	17.1	12.0	73,892	184,271	56,462	240,734	2.49
630	34,116	45,090	502	14.47	19.1		800	2,358	0	2,358	2.95
631	3,592	0	511	73.31		10.43	0	0	49	49	
				Threshold	14.5	10.2					

VMT Summary by Jurisdiction - 2040 Baseline Scenario (Plus Project - Mitigation) With 22,000 SF Commercial Retail

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
1.00	Unincorporated El Dorado County (Remainder Area)	0	5,581	1,764	822	47	99	36	135	41.4
2.00	Unincorporated El Dorado County (Remainder Area)	0	23,234	24,510	873	592	1,338	77	1,415	16.4
3.00	Unincorporated El Dorado County (Remainder Area)	0	5,284	6,543	98	74	180	0	180	29.4
4.00	Unincorporated El Dorado County (Remainder Area)	0	1,065	1,366	17	16	35	0	35	30.6
5.00	Unincorporated El Dorado County (Remainder Area)	0	2,583	3,584	26	33	73	0	73	35.4
6.00	Unincorporated El Dorado County (Remainder Area)	0	13,795	15,922	506	366	847	14	861	16.0
7.00	Unincorporated El Dorado County (Remainder Area)	0	24,260	26,806	1,348	565	1,223	92	1,315	18.4
8.00	Unincorporated El Dorado County (Remainder Area)	0	11,277	573	1,971	15	38	129	167	67.6
9.00	Unincorporated El Dorado County (Remainder Area)	0	25,129	30,479	628	559	1,400	13	1,413	17.8
10.00	Outside of County	0	108,523	87,559	11,361	2,178	5,588	1,056	6,644	16.3
11.00	Outside of County	0	112,143	80,941	13,773	2,148	5,511	1,297	6,808	16.5
12.00	Outside of County	0	58,876	44,984	4,883	1,179	3,234	437	3,671	16.0
13.00	Outside of County	0	34,520	40,093	1,543	906	2,458	99	2,557	13.5
14.00	Outside of County	0	58,579	67,757	1,708	1,511	4,120	78	4,198	14.0
15.00	Outside of County	0	3,046	3,918	59	58	166	0	166	18.4
16.00	Outside of County	0	56,230	21,742	7,599	659	1,614	689	2,303	24.4
17.00	Outside of County	0	160,847	140,381	14,004	2,811	7,160	1,363	8,523	18.9
18.00	Outside of County	0	84,372	96,227	3,614	1,930	4,652	246	4,898	17.2
19.00	Outside of County	0	10,297	5,765	1,089	96	217	103	320	32.2
20.00	Outside of County	0	7,636	142	4,079	2	7	283	290	26.3
21.00	Outside of County	0	26,258	73	13,627	2	4	1,082	1,086	24.2
22.00	Outside of County	0	1,684	10	337	1	1	21	22	76.5
23.00	Outside of County	0	29,072	12,718	3,685	115	322	261	583	49.8
24.00	Outside of County	0	4,206	3,118	140	133	133	0	133	31.6
25.00	Outside of County	0	0	0	0	0	0	0	0	-
26.00	Outside of County	0	109,143	102,680	7,965	2,238	5,070	642	5,712	19.1
27.00	Outside of County	0	8,218	76	3,038	2	5	338	343	24.0
28.00	Outside of County	0	240,459	201,336	17,187	4,828	12,553	1,923	14,476	16.6
29.00	Outside of County	0	8,661	11,047	162	170	486	0	486	17.8
30.00	Outside of County	0	70,899	73,193	5,817	1,194	3,041	368	3,409	20.8
31.00	Outside of County	0	10,229	5,268	598	41	106	44	150	68.0
32.00	Outside of County	0	29,810	38,590	685	692	1,811	21	1,832	16.3
33.00	Outside of County	0	38,408	47,799	1,364	857	2,183	69	2,252	17.1
34.00	Outside of County	0	6,125	5,966	702	69	156	32	188	32.6
35.00	Outside of County	0	30,749	37,200	777	812	2,092	0	2,092	14.7
36.00	Outside of County	0	37,319	45,078	908	910	2,318	0	2,318	16.1
37.00	Outside of County	0	56,784	2,538	21,567	57	142	1,643	1,785	31.8
38.00	Outside of County	0	6,683	3,889	635	57	142	45	187	35.8
39.00	Outside of County	0	17,070	14,634	2,129	514	1,180	181	1,361	12.5
40.00	Outside of County	0	76,229	22,291	16,286	851	1,972	1,905	3,877	19.7
41.00	Outside of County	0	35,547	24,459	7,555	592	1,368	567	1,935	18.4
42.00	Outside of County	0	175,394	97,171	24,763	2,081	5,108	1,911	7,019	25.0
43.00	Outside of County	0	34,464	40,185	971	849	2,170	46	2,216	15.5
44.00	Outside of County	0	110,437	80,888	8,863	1,827	4,654	791	5,445	20.3
45.00	Outside of County	0	72,639	23,213	12,160	846	1,936	1,262	3,198	22.7
46.00	Outside of County	0	5,963	6,491	151	164	375	0	375	15.9
47.00	Outside of County	0	201,528	9,463	80,660	284	681	5,991	6,672	30.2
48.00	Outside of County	0	49,253	43,491	3,780	1,211	3,071	266	3,337	14.8
49.00	Outside of County	0	110,001	585	50,037	18	45	4,248	4,293	25.6
50.00	Outside of County	0	73,251	36,286	21,960	981	2,487	1,736	4,223	17.3
51.00	Outside of County	0	98,081	51,812	15,709	1,710	4,116	1,373	5,489	17.9
52.00	Outside of County	0	30,612	15,171	3,179	279	629	279	908	33.7
53.00	Outside of County	0	79,341	48,536	10,905	1,399	3,606	983	4,589	17.3
54.00	Outside of County	0	60,011	22,448	22,369	494	1,220	1,748	2,968	20.2
55.00	Outside of County	0	76,910	30,184	13,922	639	1,471	1,127	2,598	29.6
56.00	Outside of County	0	35,924	40,268	1,288	872	2,337	56	2,393	15.0
57.00	Outside of County	0	105,852	24,181	45,952	660	1,466	4,152	5,618	18.8
58.00	Outside of County	0	36,147	26,182	4,433	613	1,587	352	1,939	18.6
59.00	Outside of County	0	45,157	90	26,957	2	5	2,191	2,196	20.6
60.00	Outside of County	0	68,030	8,253	30,993	240	512	2,711	3,223	21.1
61.00	Outside of County	0	140,413	86,873	22,562	2,381	5,595	1,810	7,405	19.0
62.00	Outside of County	0	51,709	1,915	23,888	33	110	2,000	2,110	24.5
63.00	Outside of County	0	66,131	5,301	27,223	143	350	2,462	2,812	23.5
64.00	Outside of County	0	129,621	73,821	20,830	2,031	5,053	1,733	6,786	19.1
65.00	Outside of County	0	5,625	6,340	126	127	328	0	328	17.2
66.00	Outside of County	0	37,778	28,246	4,207	887	2,117	331	2,448	15.4
67.00	Outside of County	0	117,450	21,973	38,803	633	1,374	3,381	4,755	24.7
68.00	Outside of County	0	38,708	12,489	10,869	453	946	1,002	1,948	19.9
69.00	Outside of County	0	240,629	69,190	96,821	1,950	5,172	7,364	12,536	19.2
70.00	Outside of County	0	160,890	1,054	97,145	15	38	7,503	7,541	21.3
71.00	Outside of County	0	216,809	130,823	32,110	2,596	6,730	2,417	9,147	23.7
72.00	Outside of County	0	270,034	756	154,727	0	0	10,084	10,084	26.8
73.00	Outside of County	0	96,382	0	60,598	0	0	4,612	4,612	20.9
74.00	Outside of County	0	134,605	17,283	66,322	546	1,335	5,255	6,590	20.4

VMT Summary by Jurisdiction - 2040 Baseline Scenario (Plus Project - Mitigation) With 22,000 SF Commercial Retail

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
75.00	Outside of County	0	84,221	62,177	17,028	1,946	4,535	1,072	5,607	15.0
76.00	Outside of County	0	27,739	16,917	3,826	497	1,333	313	1,646	16.9
77.00	Outside of County	0	81,078	42,066	19,487	1,068	2,684	1,384	4,068	19.9
78.00	Outside of County	0	70,586	0	20,327	1	2	1,777	1,779	39.7
79.00	Outside of County	0	75,883	58,040	9,216	1,345	3,258	620	3,878	19.6
80.00	Outside of County	0	33,628	0	16,428	0	0	1,306	1,306	25.7
81.00	Outside of County	0	178,902	0	100,217	0	0	7,809	7,809	22.9
82.00	Outside of County	0	52,430	0	26,078	0	0	2,171	2,171	24.2
83.00	Outside of County	0	51,072	34,355	6,771	590	1,536	460	1,996	25.6
84.00	Outside of County	0	51,799	42,015	4,094	1,305	3,049	306	3,355	15.4
85.00	Outside of County	0	55,054	46,111	4,664	1,261	3,154	354	3,508	15.7
86.00	Outside of County	0	84,830	60,812	8,242	1,996	4,538	681	5,219	16.3
87.00	Outside of County	0	63,515	50,610	7,530	1,845	3,996	613	4,609	13.8
88.00	Outside of County	0	71,146	42,301	8,269	1,184	2,955	696	3,651	19.5
89.00	Outside of County	0	18,671	0	6,033	0	0	455	455	41.0
90.00	Outside of County	0	57,017	2,008	28,126	92	157	2,453	2,610	21.8
91.00	Outside of County	0	99,228	13,505	36,433	389	997	3,846	4,843	20.5
92.00	Outside of County	0	50,890	47,775	2,486	1,234	2,964	133	3,097	16.4
93.00	Outside of County	0	93,438	65,100	18,706	1,374	3,459	1,484	4,943	18.9
94.00	Outside of County	0	1,125	102	456	2	4	41	45	25.0
95.00	Outside of County	0	120,139	0	63,383	0	0	4,542	4,542	26.5
96.00	Outside of County	0	161,380	53,762	54,196	1,026	2,520	3,884	6,404	25.2
97.00	Outside of County	0	57,156	51,085	4,459	1,030	2,624	349	2,973	19.2
98.00	Outside of County	0	84,518	13,362	27,377	375	984	2,705	3,689	22.9
99.00	Outside of County	0	71,309	27,689	23,138	806	1,976	2,391	4,367	16.3
100.00	Outside of County	0	21,421	26,854	440	470	1,178	0	1,178	18.2
101.00	Outside of County	0	54,693	41,550	8,793	869	2,253	822	3,075	17.8
102.00	Outside of County	0	22,171	5,182	6,160	92	237	467	704	31.5
103.00	Outside of County	0	95,853	106,282	3,983	2,474	5,823	281	6,104	15.7
104.00	Outside of County	0	60,112	9,178	12,942	184	451	868	1,319	45.6
105.00	Outside of County	0	40,628	52,037	878	1,011	2,513	10	2,523	16.1
106.00	Outside of County	0	6,841	0	3,169	0	0	283	283	24.2
107.00	Outside of County	0	296,673	40,530	94,758	1,362	3,008	7,445	10,453	28.4
108.00	Outside of County	0	27,211	17,073	5,715	370	988	479	1,467	18.6
109.00	Outside of County	0	16,630	0	7,353	0	0	563	563	29.5
110.00	Outside of County	0	62,331	8,660	28,506	209	495	2,207	2,702	23.1
111.00	Outside of County	0	82,408	7,489	15,363	223	512	1,049	1,561	52.8
112.00	Outside of County	0	133,623	30,500	26,938	763	2,056	2,119	4,175	32.0
113.00	Outside of County	0	54,124	116	23,768	0	0	2,386	2,386	22.7
114.00	Outside of County	0	36,052	29,457	6,434	809	2,141	572	2,713	13.3
115.00	Outside of County	0	153,261	86,322	20,859	1,900	4,875	1,584	6,459	23.7
116.00	Outside of County	0	2,993	0	1,478	0	0	116	116	25.8
117.00	Outside of County	0	51,691	17,230	15,375	327	920	1,448	2,368	21.8
118.00	Outside of County	0	76,666	80,927	3,252	2,338	6,182	191	6,373	12.0
119.00	Outside of County	0	134,054	7,173	62,326	216	540	6,222	6,762	19.8
120.00	Outside of County	0	176,953	0	43,403	0	0	4,669	4,669	37.9
121.00	Outside of County	0	137,519	48,429	19,559	1,513	3,882	1,917	5,799	23.7
122.00	Outside of County	0	56,551	15,003	10,511	533	1,248	1,125	2,373	23.8
123.00	Outside of County	0	28,619	7,008	5,113	200	547	536	1,083	26.4
124.00	Outside of County	0	52,935	48,283	2,797	1,044	2,229	168	2,397	22.1
125.00	Outside of County	0	28,022	10,067	5,583	414	817	583	1,400	20.0
126.00	Outside of County	0	16,309	4,900	2,926	156	342	274	616	26.5
127.00	Outside of County	0	38,792	33,896	2,401	870	1,855	169	2,024	19.2
128.00	Outside of County	0	66,138	47,600	6,836	1,262	2,600	538	3,138	21.1
129.00	Outside of County	0	41,470	43,857	1,841	1,045	2,302	117	2,419	17.1
130.00	Outside of County	0	21,131	9,239	2,680	342	786	298	1,084	19.5
131.00	Outside of County	0	47,584	14,806	11,353	494	1,013	1,272	2,285	20.8
132.00	Outside of County	0	28,048	23,332	2,780	556	1,258	235	1,493	18.8
133.00	Outside of County	0	118,730	58,490	14,503	2,077	5,182	1,628	6,810	17.4
134.00	Outside of County	0	61,468	30,146	18,139	1,074	2,483	1,578	4,061	15.1
135.00	Outside of County	0	50,464	0	27,672	0	0	2,740	2,740	18.4
136.00	Outside of County	0	25,818	27,600	1,374	661	1,688	93	1,781	14.5
137.00	Outside of County	0	112,361	102,535	7,023	2,426	6,986	595	7,581	14.8
138.00	El Dorado Diamond Springs	0	21,923	6,068	4,334	264	577	297	874	25.1
139.00	El Dorado Diamond Springs	0	10,541	1,339	1,707	67	144	156	300	35.1
140.00	El Dorado Diamond Springs	0	56,959	127	10,277	10	22	811	833	68.4
141.00	Unincorporated El Dorado County (Remainder Area)	0	1,490	1,669	28	21	49	0	49	30.3
142.00	Unincorporated El Dorado County (Remainder Area)	0	6,583	6,507	171	156	347	0	347	19.0
143.00	Unincorporated El Dorado County (Remainder Area)	0	4,205	3,315	256	108	240	12	252	16.7
144.00	Unincorporated El Dorado County (Remainder Area)	0	4,017	3,564	340	80	200	21	221	18.2
145.00	Unincorporated El Dorado County (Remainder Area)	0	741	647	25	30	70	0	70	10.6
146.00	El Dorado Diamond Springs	0	6,252	2,339	1,109	114	261	98	359	17.4
147.00	El Dorado Diamond Springs	0	3,723	3,542	132	165	378	0	378	9.8
148.00	Outside of County	0	155,367	185,832	5,388	2,264	5,302	120	5,422	28.7

VMT Summary by Jurisdiction - 2040 Baseline Scenario (Plus Project - Mitigation) With 22,000 SF Commercial Retail

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
149.00	Shingle Springs	0	16,596	1,751	3,526	53	149	287	436	38.1
150.00	Unincorporated El Dorado County (Remainder Area)	0	6,021	6,846	131	107	254	0	254	23.7
151.00	Unincorporated El Dorado County (Remainder Area)	0	1,316	1,743	19	23	67	0	67	19.7
152.00	Shingle Springs	0	34,119	6,132	5,223	201	488	370	858	39.8
153.00	Unincorporated El Dorado County (Remainder Area)	0	8,547	8,119	247	290	623	0	623	13.7
154.00	Unincorporated El Dorado County (Remainder Area)	0	6,934	7,094	191	254	597	0	597	11.6
155.00	Shingle Springs	0	5,209	5,652	133	154	406	0	406	12.8
156.00	Unincorporated El Dorado County (Remainder Area)	0	2,050	2,320	58	27	68	1	69	29.7
157.00	El Dorado Hills	0	8,683	10,966	167	273	790	0	790	11.0
158.00	Cameron Park	0	17,413	18,670	504	624	1,431	11	1,442	12.1
159.00	Cameron Park	0	15,365	14,596	1,445	446	1,082	114	1,196	12.8
160.00	Shingle Springs	0	18,384	16,627	1,163	504	1,223	70	1,293	14.2
161.00	El Dorado Hills	0	11,318	14,237	206	290	754	0	754	15.0
162.00	El Dorado Hills	0	57,523	77,867	881	1,503	4,465	0	4,465	12.9
163.00	El Dorado Hills	0	37,396	7,631	5,038	165	490	438	928	40.3
164.00	El Dorado Hills	0	61,158	0	32,316	0	0	3,124	3,124	19.6
165.00	El Dorado Hills	0	17,426	20,654	423	551	1,369	0	1,369	12.7
166.00	Outside of County	0	28,772	30,585	1,010	766	1,965	50	2,015	14.3
167.00	El Dorado Hills	0	47,873	46,421	2,354	1,520	3,531	111	3,641	13.1
168.00	El Dorado Hills	0	26,998	29,740	1,080	1,133	2,632	35	2,667	10.1
169.00	El Dorado Hills	0	118,596	5,614	25,615	208	517	2,484	3,001	39.5
170.00	El Dorado Hills	0	46,845	725	23,618	26	65	2,562	2,627	17.8
171.00	El Dorado Hills	0	16,375	16,343	1,062	441	1,081	68	1,148	14.3
172.00	El Dorado Hills	0	9,458	0	1,692	0	0	158	158	59.9
173.00	El Dorado Hills	0	46,454	0	11,116	0	0	1,140	1,140	40.7
174.00	Unincorporated El Dorado County (Remainder Area)	0	3,866	1,489	1,080	15	38	54	92	42.1
175.00	Unincorporated El Dorado County (Remainder Area)	0	2,613	632	485	10	24	22	46	57.2
176.00	Unincorporated El Dorado County (Remainder Area)	0	3,217	3,642	69	58	137	0	137	23.4
177.00	Unincorporated El Dorado County (Remainder Area)	0	11,103	8,589	1,812	147	370	130	500	22.2
178.00	Unincorporated El Dorado County (Remainder Area)	0	4,895	5,630	138	87	223	3	226	21.7
179.00	Unincorporated El Dorado County (Remainder Area)	0	732	929	12	21	55	0	55	13.4
180.00	El Dorado Hills	0	18,078	22,311	346	450	1,155	0	1,155	15.7
181.00	El Dorado Hills	0	6,934	5,390	680	120	315	61	376	18.5
182.00	Cameron Park	0	39,119	47,742	757	1,244	3,262	0	3,262	12.0
183.00	Unincorporated El Dorado County (Remainder Area)	0	11,021	12,058	267	354	832	0	832	13.2
184.00	Cameron Park	0	38,912	16,186	4,446	417	1,093	425	1,518	25.6
185.00	Cameron Park	0	3,895	4,388	85	152	349	0	349	11.2
186.00	Cameron Park	0	50,524	4,625	8,810	170	390	896	1,286	39.3
187.00	Cameron Park	0	10,743	7,199	1,204	247	566	104	670	16.0
188.00	Cameron Park	0	6,612	5,655	594	213	489	49	538	12.3
189.00	Unincorporated El Dorado County (Remainder Area)	0	2,464	3,153	40	36	100	0	100	24.5
190.00	Unincorporated El Dorado County (Remainder Area)	0	10,442	13,340	183	255	712	0	712	14.7
191.00	El Dorado Hills	0	1,440	1,829	24	39	109	0	109	13.2
192.00	El Dorado Hills	0	869	1,092	14	25	69	0	69	12.6
193.00	El Dorado Hills	0	14,288	5,250	3,672	156	406	361	768	18.6
194.00	El Dorado Hills	0	15,068	19,540	268	439	1,297	0	1,297	11.6
195.00	El Dorado Hills	0	9,034	470	2,015	10	26	176	203	44.6
196.00	Outside of County	0	52,429	59,826	1,729	1,148	3,198	97	3,295	15.9
197.00	El Dorado Hills	0	3,189	3,924	56	85	225	0	225	14.2
198.00	El Dorado Hills	0	69,113	39,255	6,113	887	2,476	623	3,099	22.3
199.00	El Dorado Hills	0	11,348	2,883	1,627	62	173	143	316	35.9
200.00	El Dorado Hills	0	6,405	306	1,229	7	19	121	140	45.9
201.00	El Dorado Hills	0	20,673	6,804	2,773	150	443	269	712	29.0
202.00	El Dorado Hills	0	37,557	35,526	2,131	762	2,127	169	2,296	16.4
203.00	El Dorado Hills	0	51,774	65,830	1,158	1,300	3,762	43	3,805	13.6
204.00	El Dorado Hills	0	17,177	16,191	637	362	1,048	48	1,096	15.7
205.00	El Dorado Hills	0	504	0	244	0	0	30	30	16.8
206.00	El Dorado Hills	0	1,629	2,083	28	51	148	0	148	11.0
207.00	El Dorado Hills	0	12,970	16,611	221	304	880	0	880	14.7
208.00	Unincorporated El Dorado County (Remainder Area)	0	325	425	5	9	26	0	26	12.5
209.00	El Dorado Hills	0	11,571	4,458	1,419	88	254	118	372	31.1
210.00	El Dorado Hills	0	6,349	8,153	109	162	479	0	479	13.3
211.00	Unincorporated El Dorado County (Remainder Area)	0	135	178	2	4	11	0	11	11.9
212.00	El Dorado Hills	0	2,404	3,114	39	53	153	0	153	15.7
213.00	Unincorporated El Dorado County (Remainder Area)	0	9,207	11,825	154	193	534	0	534	17.2
214.00	Unincorporated El Dorado County (Remainder Area)	0	2,329	3,353	31	31	76	0	76	30.8
215.00	El Dorado Hills	0	6,812	8,641	122	148	413	0	413	16.5
216.00	Unincorporated El Dorado County (Remainder Area)	0	1,749	2,459	26	23	56	0	56	31.2
217.00	Unincorporated El Dorado County (Remainder Area)	0	588	761	9	11	31	0	31	19.2
218.00	Unincorporated El Dorado County (Remainder Area)	0	1,515	1,897	26	28	78	0	78	19.4
219.00	Unincorporated El Dorado County (Remainder Area)	0	3,912	4,969	68	69	191	0	191	20.5
220.00	Unincorporated El Dorado County (Remainder Area)	0	472	634	6	9	25	0	25	18.9
221.00	El Dorado Hills	0	37,357	48,656	576	999	2,596	0	2,596	14.4
222.00	Cameron Park	0	2,164	1,464	425	34	90	58	148	14.6

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223.00	Cameron Park	0	5,519	7,096	78	174	461	0	461	12.0
224.00	Unincorporated El Dorado County (Remainder Area)	0	8,609	7,364	501	144	382	37	419	20.6
225.00	Unincorporated El Dorado County (Remainder Area)	0	23,262	10,923	2,967	147	424	277	702	33.2
226.00	Cameron Park	0	27,522	26,977	1,250	550	1,591	118	1,709	16.1
227.00	Cameron Park	0	8,669	11,020	207	281	689	10	699	12.4
228.00	Cameron Park	0	20,503	25,035	508	724	1,775	25	1,800	11.4
229.00	El Dorado Hills	0	41,370	34,470	2,348	793	2,061	237	2,298	18.0
230.00	El Dorado Hills	0	22,777	27,754	336	557	1,655	0	1,655	13.8
231.00	Unincorporated El Dorado County (Remainder Area)	0	4,980	6,660	72	134	388	0	388	12.8
232.00	Unincorporated El Dorado County (Remainder Area)	0	4,571	5,899	73	87	241	0	241	19.0
233.00	Cameron Park	0	8,472	3,671	747	116	266	100	366	23.1
234.00	Cameron Park	0	55,552	33,560	5,084	1,085	2,488	670	3,158	17.6
235.00	Cameron Park	0	42,378	54,551	639	1,322	3,580	2	3,582	11.8
236.00	Cameron Park	0	14,771	19,354	261	473	1,281	9	1,290	11.5
237.00	Cameron Park	0	2,253	2,626	45	78	179	0	179	12.6
238.00	Cameron Park	0	39,618	15,138	5,306	415	1,018	527	1,545	25.6
239.00	Cameron Park	0	2,345	3,353	35	86	228	0	228	10.3
240.00	Unincorporated El Dorado County (Remainder Area)	0	6,665	8,384	110	137	363	0	363	18.3
241.00	Cameron Park	0	14,966	7,551	1,276	181	480	151	631	23.7
242.00	Cameron Park	0	699	905	9	24	64	0	64	11.0
243.00	Cameron Park	0	2,021	2,590	32	61	162	1	163	12.4
244.00	Unincorporated El Dorado County (Remainder Area)	0	3,015	3,742	57	51	128	0	128	23.6
245.00	Unincorporated El Dorado County (Remainder Area)	0	775	1,003	11	10	30	0	30	25.8
246.00	Unincorporated El Dorado County (Remainder Area)	0	3,952	5,234	56	63	189	0	189	20.9
247.00	Unincorporated El Dorado County (Remainder Area)	0	13,630	14,337	353	296	636	0	636	21.4
248.00	Unincorporated El Dorado County (Remainder Area)	0	13,293	10,417	943	182	431	39	470	28.3
249.00	Unincorporated El Dorado County (Remainder Area)	0	3,356	1,859	530	26	56	25	81	41.5
250.00	Unincorporated El Dorado County (Remainder Area)	0	2,875	3,291	60	53	124	0	124	23.2
251.00	Unincorporated El Dorado County (Remainder Area)	0	5,629	6,219	136	139	363	0	363	15.5
252.00	Unincorporated El Dorado County (Remainder Area)	0	24,753	28,755	575	666	1,756	0	1,756	14.1
253.00	Unincorporated El Dorado County (Remainder Area)	0	7,509	8,879	158	149	410	0	410	18.3
254.00	Unincorporated El Dorado County (Remainder Area)	0	5,274	5,908	122	119	311	0	311	17.0
255.00	Cameron Park	0	64,599	0	14,808	0	0	1,405	1,405	46.0
256.00	Cameron Park	0	44,324	2,005	10,441	72	175	872	1,047	42.3
257.00	Shingle Springs	0	62,072	15,380	14,550	511	1,335	1,312	2,647	23.5
258.00	Unincorporated El Dorado County (Remainder Area)	0	2,127	2,532	40	36	99	0	99	21.5
259.00	Unincorporated El Dorado County (Remainder Area)	0	2,610	3,111	52	50	132	0	132	19.8
260.00	Shingle Springs	0	26,995	140	5,649	5	15	441	456	59.2
261.00	Shingle Springs	0	27,066	3,581	4,845	121	333	388	721	37.5
262.00	Shingle Springs	0	40,543	5,479	6,519	203	530	514	1,044	38.8
263.00	Shingle Springs	0	10,028	3,815	1,482	121	333	119	452	22.2
264.00	Shingle Springs	0	7,873	3,088	1,052	97	267	82	349	22.5
265.00	Unincorporated El Dorado County (Remainder Area)	0	1,959	2,212	43	44	116	0	116	16.9
266.00	Unincorporated El Dorado County (Remainder Area)	0	6,120	1,661	667	41	88	33	121	50.5
267.00	Unincorporated El Dorado County (Remainder Area)	0	8,693	10,028	219	240	633	0	633	13.7
268.00	Unincorporated El Dorado County (Remainder Area)	0	3,023	3,094	171	72	190	10	200	15.1
269.00	Unincorporated El Dorado County (Remainder Area)	0	13,574	9,310	1,444	217	558	81	639	21.2
270.00	Unincorporated El Dorado County (Remainder Area)	0	6,209	2,662	679	54	135	39	174	35.7
271.00	Unincorporated El Dorado County (Remainder Area)	0	9,855	9,947	735	172	442	50	492	20.0
272.00	Unincorporated El Dorado County (Remainder Area)	0	9,790	6,486	804	145	407	55	462	21.2
273.00	Unincorporated El Dorado County (Remainder Area)	0	7,473	8,910	377	138	400	22	422	17.7
274.00	Unincorporated El Dorado County (Remainder Area)	0	21,566	18,904	1,563	411	1,153	122	1,275	16.9
275.00	Unincorporated El Dorado County (Remainder Area)	0	14,759	17,121	336	379	971	0	971	15.2
276.00	Cameron Park	0	28,067	18,801	2,068	535	1,312	179	1,491	18.8
277.00	Cameron Park	0	4,953	5,811	100	176	427	0	427	11.6
278.00	Unincorporated El Dorado County (Remainder Area)	0	5,759	5,996	217	100	265	10	275	20.9
279.00	Unincorporated El Dorado County (Remainder Area)	0	2,929	3,731	49	55	146	0	146	20.1
280.00	Unincorporated El Dorado County (Remainder Area)	0	1,438	1,677	31	37	103	0	103	14.0
281.00	Unincorporated El Dorado County (Remainder Area)	0	4,880	4,199	427	85	238	28	266	18.3
282.00	Unincorporated El Dorado County (Remainder Area)	0	1,389	1,616	30	39	109	0	109	12.7
283.00	Shingle Springs	0	15,324	3,050	2,219	0	0	197	197	77.8
284.00	Shingle Springs	0	4,285	1,008	655	36	87	53	140	30.5
285.00	Unincorporated El Dorado County (Remainder Area)	0	14,042	2,738	2,956	53	154	233	387	36.3
286.00	Unincorporated El Dorado County (Remainder Area)	0	1,664	2,075	30	36	101	0	101	16.5
287.00	Unincorporated El Dorado County (Remainder Area)	0	1,395	1,683	27	34	87	0	87	16.0
288.00	Unincorporated El Dorado County (Remainder Area)	0	2,177	2,690	40	50	140	0	140	15.5
289.00	Unincorporated El Dorado County (Remainder Area)	0	321	421	5	8	23	0	23	13.8
290.00	Unincorporated El Dorado County (Remainder Area)	0	2,047	2,616	35	44	128	0	128	16.0
291.00	Unincorporated El Dorado County (Remainder Area)	0	12,418	15,716	238	254	647	0	647	19.2
292.00	Unincorporated El Dorado County (Remainder Area)	0	4,270	5,709	64	72	209	0	209	20.4
293.00	Unincorporated El Dorado County (Remainder Area)	0	1,294	1,288	36	41	90	0	90	14.4
294.00	Unincorporated El Dorado County (Remainder Area)	0	4,472	4,681	122	129	321	0	321	14.0
295.00	Unincorporated El Dorado County (Remainder Area)	0	62,180	4,925	22,487	110	282	1,540	1,822	34.1
296.00	El Dorado Diamond Springs	0	52,042	6,595	9,716	188	496	729	1,225	42.5

VMT Summary by Jurisdiction - 2040 Baseline Scenario (Plus Project - Mitigation) With 22,000 SF Commercial Retail

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
297.00	Unincorporated El Dorado County (Remainder Area)	0	2,262	2,670	62	79	208	0	208	10.9
298.00	Unincorporated El Dorado County (Remainder Area)	0	2,828	3,077	71	79	208	0	208	13.6
299.00	Unincorporated El Dorado County (Remainder Area)	0	4,993	5,710	112	114	293	0	293	17.0
300.00	Unincorporated El Dorado County (Remainder Area)	0	1,727	1,912	41	45	116	0	116	14.9
301.00	Unincorporated El Dorado County (Remainder Area)	0	623	548	41	20	44	3	47	13.3
302.00	Unincorporated El Dorado County (Remainder Area)	0	3,869	2,599	208	89	194	10	204	18.9
303.00	El Dorado Diamond Springs	0	4,186	2,677	443	106	228	28	255	16.4
304.00	El Dorado Diamond Springs	0	8,291	283	2,652	12	26	269	296	28.0
305.00	El Dorado Diamond Springs	0	10,707	0	4,970	1	2	536	539	19.9
306.00	El Dorado Diamond Springs	0	7,893	3,163	1,348	128	275	110	386	20.5
307.00	El Dorado Diamond Springs	0	2,948	2,808	92	112	257	0	257	11.5
308.00	El Dorado Diamond Springs	0	239	244	6	12	28	0	28	8.7
309.00	El Dorado Diamond Springs	0	807	718	26	34	74	0	74	10.9
310.00	El Dorado Diamond Springs	0	13,791	636	2,507	29	66	220	286	48.2
311.00	El Dorado Diamond Springs	0	3,547	1,722	439	75	164	33	197	18.0
312.00	El Dorado Diamond Springs	0	9,909	6,789	977	310	711	71	782	12.7
313.00	El Dorado Diamond Springs	0	23,563	3,414	7,025	71	178	534	712	33.1
314.00	El Dorado Diamond Springs	0	10,538	2,494	1,456	100	249	103	352	30.0
315.00	Outside of County	0	0	0	0	0	0	0	0	-
316.00	El Dorado Diamond Springs	0	673	640	22	31	68	0	68	9.9
317.00	El Dorado Diamond Springs	0	140	126	4	8	17	0	17	8.0
318.00	Unincorporated El Dorado County (Remainder Area)	0	8,106	4,721	734	182	452	41	493	16.4
319.00	El Dorado Diamond Springs	0	1,394	1,283	45	57	143	0	143	9.7
320.00	Unincorporated El Dorado County (Remainder Area)	0	4,895	1,586	811	19	48	61	109	44.8
321.00	Unincorporated El Dorado County (Remainder Area)	0	5,208	6,145	138	116	295	2	297	17.5
322.00	Unincorporated El Dorado County (Remainder Area)	0	10,669	10,569	571	242	623	26	649	16.5
323.00	Unincorporated El Dorado County (Remainder Area)	0	8,270	3,750	1,839	67	172	139	311	26.6
324.00	Unincorporated El Dorado County (Remainder Area)	0	7,029	3,624	698	73	183	39	222	31.7
325.00	Unincorporated El Dorado County (Remainder Area)	0	716	834	16	20	51	0	51	14.1
326.00	Unincorporated El Dorado County (Remainder Area)	0	2,081	2,464	49	57	145	0	145	14.3
327.00	Placerville	0	3,206	3,493	82	84	210	0	210	15.2
328.00	Unincorporated El Dorado County (Remainder Area)	0	695	791	16	19	48	0	48	14.6
329.00	Placerville	0	4,816	4,839	140	156	360	0	360	13.4
330.00	Unincorporated El Dorado County (Remainder Area)	0	3,480	3,691	94	109	273	0	273	12.8
331.00	Unincorporated El Dorado County (Remainder Area)	0	6,116	6,974	140	130	325	0	325	18.8
332.00	Unincorporated El Dorado County (Remainder Area)	0	1,430	1,523	38	47	105	0	105	13.6
333.00	Unincorporated El Dorado County (Remainder Area)	0	3,935	4,504	88	91	225	0	225	17.5
334.00	Unincorporated El Dorado County (Remainder Area)	0	1,640	999	257	26	58	18	76	21.5
335.00	Unincorporated El Dorado County (Remainder Area)	0	2,799	3,013	73	76	163	0	163	17.2
336.00	Unincorporated El Dorado County (Remainder Area)	0	1,044	1,115	26	30	66	0	66	15.7
337.00	Unincorporated El Dorado County (Remainder Area)	0	10,206	6,041	1,764	124	304	128	432	23.6
338.00	Unincorporated El Dorado County (Remainder Area)	0	13,819	15,686	398	350	900	11	911	15.2
339.00	Unincorporated El Dorado County (Remainder Area)	0	9,264	11,980	146	224	508	0	508	18.3
340.00	Unincorporated El Dorado County (Remainder Area)	0	8,017	5,257	511	95	202	30	232	34.5
341.00	Unincorporated El Dorado County (Remainder Area)	0	1,629	1,550	173	34	75	16	91	18.0
342.00	Unincorporated El Dorado County (Remainder Area)	0	2,373	2,732	49	48	123	0	123	19.2
343.00	Unincorporated El Dorado County (Remainder Area)	0	4,958	5,760	91	78	177	0	177	28.1
344.00	Unincorporated El Dorado County (Remainder Area)	0	5,859	6,940	107	92	208	0	208	28.1
345.00	Unincorporated El Dorado County (Remainder Area)	0	2,006	2,118	39	34	77	0	77	26.1
346.00	Unincorporated El Dorado County (Remainder Area)	0	1,265	1,245	28	23	51	0	51	24.7
347.00	Unincorporated El Dorado County (Remainder Area)	0	2,641	3,126	49	42	108	0	108	24.5
348.00	Unincorporated El Dorado County (Remainder Area)	0	2,505	2,466	59	48	107	0	107	23.5
349.00	Unincorporated El Dorado County (Remainder Area)	0	8,162	4,904	578	94	193	34	227	35.9
350.00	Unincorporated El Dorado County (Remainder Area)	0	986	1,142	17	20	45	0	45	21.8
351.00	Unincorporated El Dorado County (Remainder Area)	0	1,468	1,849	23	31	70	0	70	20.9
352.00	Unincorporated El Dorado County (Remainder Area)	0	2,100	2,695	31	38	86	0	86	24.4
353.00	Unincorporated El Dorado County (Remainder Area)	0	10,672	10,269	514	200	453	43	496	21.5
354.00	Unincorporated El Dorado County (Remainder Area)	0	7,032	4,701	457	68	154	43	197	35.7
355.00	Placerville	1	27,218	5,112	4,970	257	594	387	981	27.7
356.00	Placerville	1	2,710	2,547	91	109	235	0	235	11.5
357.00	Unincorporated El Dorado County (Remainder Area)	0	8,045	4,229	730	133	294	42	336	23.9
358.00	Placerville	0	10,303	3,352	1,634	128	283	123	406	25.4
359.00	Unincorporated El Dorado County (Remainder Area)	0	3,537	3,683	94	105	247	0	247	14.3
360.00	Unincorporated El Dorado County (Remainder Area)	0	4,180	4,549	98	97	228	0	228	18.3
361.00	Placerville	1	26,983	10,019	4,620	570	1,189	370	1,558	17.3
362.00	Placerville	1	46,734	3,842	7,985	194	457	616	1,073	43.6
363.00	Unincorporated El Dorado County (Remainder Area)	0	415	426	12	19	48	0	48	8.6
364.00	Placerville	0	4,530	3,701	416	173	439	28	466	9.7
365.00	El Dorado Diamond Springs	0	24,245	9,298	2,991	541	1,147	223	1,370	17.7
366.00	El Dorado Diamond Springs	0	10,595	1,555	1,641	108	232	146	378	28.0
367.00	El Dorado Diamond Springs	0	7,169	0	3,555	0	0	398	398	18.0
368.00	El Dorado Diamond Springs	0	4,907	1,332	825	68	157	81	238	20.6
369.00	El Dorado Diamond Springs	0	14,197	8,834	1,417	485	1,088	114	1,202	11.8
370.00	El Dorado Diamond Springs	0	6,933	79	2,915	0	0	317	317	21.9

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371.00	El Dorado Diamond Springs	0	2,149	2,071	61	69	155	0	155	13.9
372.00	El Dorado Diamond Springs	0	28,696	14,049	3,152	559	1,254	296	1,550	18.5
373.00	El Dorado Diamond Springs	0	556	492	18	27	62	0	62	9.0
374.00	El Dorado Diamond Springs	0	1,046	275	116	14	32	10	42	24.8
375.00	El Dorado Diamond Springs	0	360	328	11	15	34	0	34	10.5
376.00	El Dorado Diamond Springs	0	1,492	723	219	34	78	17	95	15.7
377.00	El Dorado Diamond Springs	0	724	317	171	14	32	16	48	15.0
378.00	El Dorado Diamond Springs	0	546	516	16	27	62	0	62	8.8
379.00	El Dorado Diamond Springs	0	940	871	29	48	111	0	111	8.5
380.00	El Dorado Diamond Springs	0	196	185	6	12	28	0	28	7.1
381.00	El Dorado Diamond Springs	0	115	111	3	7	16	0	16	7.1
382.00	El Dorado Diamond Springs	0	222	183	8	11	25	0	25	8.7
383.00	Unincorporated El Dorado County (Remainder Area)	0	2,357	2,387	65	80	179	0	179	13.1
384.00	El Dorado Diamond Springs	0	4,501	4,456	123	174	390	0	390	11.5
385.00	El Dorado Diamond Springs	0	14,264	13,858	541	600	1,346	14	1,360	10.5
386.00	El Dorado Diamond Springs	0	2,238	2,238	60	90	202	0	202	11.1
387.00	El Dorado Diamond Springs	0	3,283	742	471	36	81	44	124	26.4
388.00	El Dorado Diamond Springs	0	5,460	0	2,608	0	0	278	278	19.6
389.00	El Dorado Diamond Springs	0	5,906	18	2,150	2	5	240	245	24.1
390.00	El Dorado Diamond Springs	0	7,344	4,846	737	311	670	54	724	10.1
391.00	El Dorado Diamond Springs	0	6,033	143	970	11	24	92	116	52.1
392.00	El Dorado Diamond Springs	0	1,014	473	89	28	60	5	66	15.5
393.00	El Dorado Diamond Springs	0	25,673	4,739	3,804	281	645	288	932	27.5
394.00	El Dorado Diamond Springs	0	6,146	111	2,055	8	18	168	186	33.1
395.00	Placerville	1	79,985	1,453	29,677	98	206	2,613	2,819	28.4
396.00	El Dorado Diamond Springs	0	30,698	0	5,541	0	0	425	425	72.3
397.00	El Dorado Diamond Springs	0	1,453	902	120	50	109	7	116	12.5
398.00	El Dorado Diamond Springs	0	1,155	264	144	14	32	11	43	26.7
399.00	El Dorado Diamond Springs	0	958	831	33	43	99	0	99	9.7
400.00	El Dorado Diamond Springs	0	7,349	210	1,240	16	35	97	132	55.9
401.00	Placerville	0	26,907	938	4,582	57	121	337	458	58.8
402.00	El Dorado Diamond Springs	0	4,675	2,558	1,034	137	344	103	447	10.5
403.00	El Dorado Diamond Springs	0	31,609	2,595	12,708	124	267	906	1,174	26.9
404.00	El Dorado Diamond Springs	0	1,728	301	333	19	44	32	76	22.9
405.00	El Dorado Diamond Springs	0	1,672	147	251	9	21	21	41	40.3
406.00	El Dorado Diamond Springs	0	26,257	384	4,395	24	55	339	395	66.5
407.00	El Dorado Diamond Springs	0	16,238	552	3,227	39	84	285	369	44.0
408.00	El Dorado Diamond Springs	0	5,523	0	2,372	1	2	279	281	19.6
409.00	Placerville	0	37,963	3,501	8,042	162	410	610	1,019	37.2
410.00	El Dorado Diamond Springs	0	40,322	14,300	5,602	602	1,418	423	1,840	21.9
411.00	Placerville	1	55,383	5,255	11,434	335	793	982	1,775	31.2
412.00	Unincorporated El Dorado County (Remainder Area)	0	3,437	3,296	105	114	271	0	271	12.7
413.00	Placerville	0	4,912	4,573	170	199	472	1	473	10.4
414.00	El Dorado Diamond Springs	0	20,121	92	5,334	7	15	561	576	34.9
415.00	Unincorporated El Dorado County (Remainder Area)	0	436	318	42	18	38	4	42	10.3
416.00	El Dorado Diamond Springs	0	266	128	54	9	19	7	26	10.1
417.00	Placerville	1	22,897	907	4,807	55	124	424	548	41.8
418.00	Placerville	1	5,512	0	1,380	0	0	130	130	42.4
419.00	Placerville	1	6,902	0	1,211	0	0	112	112	61.7
420.00	Placerville	1	5,276	965	1,325	56	132	117	249	21.2
421.00	Placerville	1	2,551	1,459	407	81	191	28	219	11.7
422.00	Placerville	1	67,504	5,165	31,275	303	714	2,392	3,106	21.7
423.00	Unincorporated El Dorado County (Remainder Area)	0	448	390	26	21	49	1	50	9.0
424.00	Placerville	0	25,607	5,347	4,438	252	582	351	934	27.4
425.00	Placerville	0	67,456	28,849	8,093	1,390	3,090	730	3,820	17.7
426.00	Placerville	0	704	722	18	32	80	0	80	8.8
427.00	Unincorporated El Dorado County (Remainder Area)	0	3,808	4,024	101	102	255	0	255	14.9
428.00	Unincorporated El Dorado County (Remainder Area)	0	549	582	14	22	55	0	55	10.0
429.00	Unincorporated El Dorado County (Remainder Area)	0	1,192	1,391	36	35	87	0	87	13.8
430.00	Unincorporated El Dorado County (Remainder Area)	0	3,094	2,001	548	59	146	44	190	16.3
431.00	Placerville	1	13,602	509	2,252	28	59	167	226	60.2
432.00	Unincorporated El Dorado County (Remainder Area)	0	15,619	10,582	3,111	363	900	241	1,140	13.7
433.00	Placerville	1	16,920	9,987	2,274	678	1,398	175	1,572	10.8
434.00	Placerville	1	827	637	31	44	95	0	95	8.7
435.00	Placerville	1	1,290	668	232	47	100	27	127	10.2
436.00	Unincorporated El Dorado County (Remainder Area)	0	1,145	1,168	49	32	79	2	81	14.2
437.00	Unincorporated El Dorado County (Remainder Area)	0	5,354	5,900	132	147	371	0	371	14.4
438.00	Unincorporated El Dorado County (Remainder Area)	0	5,836	4,256	507	143	303	32	335	17.4
439.00	Unincorporated El Dorado County (Remainder Area)	0	9,613	4,640	1,530	169	359	90	449	21.4
440.00	Unincorporated El Dorado County (Remainder Area)	0	5,944	862	1,574	31	66	111	177	33.6
441.00	Placerville	1	398	391	11	15	35	0	35	11.4
442.00	Placerville	1	13,543	9,838	970	350	882	56	939	14.4
443.00	Unincorporated El Dorado County (Remainder Area)	0	1,944	1,877	56	59	125	0	125	15.5
444.00	Unincorporated El Dorado County (Remainder Area)	0	273	178	17	8	19	1	20	13.7

VMT Summary by Jurisdiction - 2040 Baseline Scenario (Plus Project - Mitigation) With 22,000 SF Commercial Retail

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
445.00	Placerville	0	837	785	56	26	65	3	68	12.3
446.00	Placerville	1	4,239	760	697	28	65	53	119	35.8
447.00	Unincorporated El Dorado County (Remainder Area)	0	8,304	3,150	1,570	81	199	116	314	26.4
448.00	Placerville	0	1,802	2,027	52	64	161	0	161	11.2
449.00	Unincorporated El Dorado County (Remainder Area)	0	464	474	12	14	30	0	30	15.5
450.00	Unincorporated El Dorado County (Remainder Area)	0	2,336	2,195	76	84	180	0	180	13.0
451.00	Unincorporated El Dorado County (Remainder Area)	0	894	866	26	27	58	0	58	15.4
452.00	Placerville	0	6,883	3,645	923	150	321	66	387	17.8
453.00	Placerville	1	3,293	3,158	139	182	391	0	391	8.4
454.00	Unincorporated El Dorado County (Remainder Area)	0	542	476	19	28	59	0	59	9.2
455.00	Unincorporated El Dorado County (Remainder Area)	0	2,530	2,654	67	73	181	0	181	14.0
456.00	Unincorporated El Dorado County (Remainder Area)	0	1,773	1,766	51	51	109	0	109	16.2
457.00	Unincorporated El Dorado County (Remainder Area)	0	3,115	2,997	250	68	153	13	166	18.7
458.00	Placerville	0	11,373	1,916	1,827	71	157	130	287	39.7
459.00	Placerville	0	725	699	21	28	62	0	62	11.7
460.00	Unincorporated El Dorado County (Remainder Area)	0	823	790	23	22	47	0	47	17.4
461.00	Unincorporated El Dorado County (Remainder Area)	0	113	127	2	6	13	0	13	8.5
462.00	Unincorporated El Dorado County (Remainder Area)	0	2,603	1,235	403	31	67	24	91	28.8
463.00	Unincorporated El Dorado County (Remainder Area)	0	3,720	5,316	47	89	195	0	195	19.1
464.00	Unincorporated El Dorado County (Remainder Area)	0	2,787	3,403	47	55	129	0	129	21.7
465.00	Unincorporated El Dorado County (Remainder Area)	0	3,721	5,373	33	65	163	0	163	22.8
466.00	Unincorporated El Dorado County (Remainder Area)	0	3,074	3,393	113	65	143	7	150	20.5
467.00	Unincorporated El Dorado County (Remainder Area)	0	2,485	3,488	29	49	107	0	107	23.1
468.00	Unincorporated El Dorado County (Remainder Area)	0	5,807	6,897	96	128	263	0	263	22.0
469.00	Unincorporated El Dorado County (Remainder Area)	0	3,781	5,153	42	70	156	0	156	24.2
470.00	Unincorporated El Dorado County (Remainder Area)	0	1,663	2,145	23	33	72	0	72	23.0
471.00	Unincorporated El Dorado County (Remainder Area)	0	1,207	1,590	17	26	57	0	57	21.1
472.00	Unincorporated El Dorado County (Remainder Area)	0	1,204	1,625	17	26	57	0	57	21.1
473.00	Unincorporated El Dorado County (Remainder Area)	0	1,175	673	222	13	33	25	58	20.4
474.00	Unincorporated El Dorado County (Remainder Area)	0	1,755	2,032	35	42	95	0	95	18.4
475.00	Unincorporated El Dorado County (Remainder Area)	0	1,834	2,186	33	42	95	0	95	19.3
476.00	Unincorporated El Dorado County (Remainder Area)	0	4,012	898	525	16	41	34	75	53.4
477.00	Unincorporated El Dorado County (Remainder Area)	0	1,568	2,171	20	31	78	0	78	20.1
478.00	Unincorporated El Dorado County (Remainder Area)	0	1,228	1,434	24	30	66	0	66	18.5
479.00	Unincorporated El Dorado County (Remainder Area)	0	5,057	3,286	421	62	156	29	185	27.4
480.00	Unincorporated El Dorado County (Remainder Area)	0	1,691	2,434	28	31	68	1	69	24.5
481.00	Unincorporated El Dorado County (Remainder Area)	0	1,352	1,923	18	24	53	0	53	25.4
482.00	Unincorporated El Dorado County (Remainder Area)	0	6,436	8,472	87	102	226	0	226	28.5
483.00	Unincorporated El Dorado County (Remainder Area)	0	9,539	4,676	1,034	132	285	76	361	26.4
484.00	Unincorporated El Dorado County (Remainder Area)	0	8,669	4,816	1,175	104	267	118	384	22.6
485.00	Unincorporated El Dorado County (Remainder Area)	0	2,229	3,000	30	40	103	0	103	21.7
486.00	Unincorporated El Dorado County (Remainder Area)	0	5,279	7,050	75	110	249	0	249	21.2
487.00	Unincorporated El Dorado County (Remainder Area)	0	18,716	8,225	3,055	228	504	184	688	27.2
488.00	Unincorporated El Dorado County (Remainder Area)	0	5,721	7,257	104	125	283	0	283	20.3
489.00	Unincorporated El Dorado County (Remainder Area)	0	7,391	6,601	407	157	355	24	379	19.5
490.00	Unincorporated El Dorado County (Remainder Area)	0	1,512	1,799	31	35	86	0	86	17.6
491.00	Unincorporated El Dorado County (Remainder Area)	0	7,394	8,759	161	181	444	0	444	16.6
492.00	Unincorporated El Dorado County (Remainder Area)	0	8,847	3,440	1,042	76	188	72	259	34.1
493.00	Unincorporated El Dorado County (Remainder Area)	0	9,828	3,606	1,466	79	195	101	296	33.2
494.00	Unincorporated El Dorado County (Remainder Area)	0	6,335	2,989	760	71	174	55	229	27.7
495.00	Unincorporated El Dorado County (Remainder Area)	0	641	747	14	17	42	0	42	15.4
496.00	Unincorporated El Dorado County (Remainder Area)	0	7,231	4,211	711	94	232	52	284	25.4
497.00	Unincorporated El Dorado County (Remainder Area)	0	9,485	4,978	1,007	109	263	75	338	28.1
498.00	Unincorporated El Dorado County (Remainder Area)	0	3,585	4,020	176	78	176	13	189	18.9
499.00	Unincorporated El Dorado County (Remainder Area)	0	1,505	1,829	30	38	93	0	93	16.1
500.00	Unincorporated El Dorado County (Remainder Area)	0	5,302	1,098	1,168	11	24	97	121	43.7
501.00	Unincorporated El Dorado County (Remainder Area)	0	2,232	814	555	22	49	58	107	20.8
502.00	Unincorporated El Dorado County (Remainder Area)	0	7,244	8,901	140	147	349	0	349	20.7
503.00	Unincorporated El Dorado County (Remainder Area)	0	5,081	10	845	1	2	56	58	87.3
504.00	Unincorporated El Dorado County (Remainder Area)	0	13,672	5,049	1,634	140	313	103	416	32.8
505.00	Unincorporated El Dorado County (Remainder Area)	0	80	95	1	3	7	0	7	12.0
506.00	Unincorporated El Dorado County (Remainder Area)	0	994	1,016	35	28	64	1	65	15.4
507.00	Unincorporated El Dorado County (Remainder Area)	0	2,127	2,492	48	61	145	0	145	14.7
508.00	Unincorporated El Dorado County (Remainder Area)	0	4,877	2,859	1,164	85	184	114	298	16.4
509.00	Unincorporated El Dorado County (Remainder Area)	0	2,068	406	653	12	27	77	104	19.9
510.00	Unincorporated El Dorado County (Remainder Area)	0	3,518	2,922	224	92	200	15	215	16.3
511.00	Unincorporated El Dorado County (Remainder Area)	0	1,993	1,569	132	46	109	9	118	16.8
512.00	Unincorporated El Dorado County (Remainder Area)	0	1,907	2,168	43	45	107	0	107	17.8
513.00	Unincorporated El Dorado County (Remainder Area)	0	8,048	10,331	171	178	456	7	463	17.4
514.00	Unincorporated El Dorado County (Remainder Area)	0	31,391	42,980	375	714	1,830	0	1,830	17.1
515.00	Unincorporated El Dorado County (Remainder Area)	0	3,178	4,066	54	78	188	0	188	16.9
516.00	Unincorporated El Dorado County (Remainder Area)	0	7,435	10,003	102	162	391	0	391	19.0
517.00	Unincorporated El Dorado County (Remainder Area)	0	23,449	18,907	1,729	489	1,085	139	1,224	19.2
518.00	Unincorporated El Dorado County (Remainder Area)	0	13,114	12,311	802	325	745	53	799	16.4

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519.00	Unincorporated El Dorado County (Remainder Area)	0	7,734	6,186	747	162	371	60	432	17.9
520.00	Unincorporated El Dorado County (Remainder Area)	0	13,950	12,108	1,172	296	678	99	778	17.9
521.00	Unincorporated El Dorado County (Remainder Area)	0	15,907	9,234	1,668	309	686	167	853	18.6
522.00	Unincorporated El Dorado County (Remainder Area)	0	4,826	5,829	167	96	236	9	245	19.7
523.00	Unincorporated El Dorado County (Remainder Area)	0	24,574	10,018	3,132	302	698	272	970	25.3
524.00	Unincorporated El Dorado County (Remainder Area)	0	19,233	8,818	2,539	214	495	207	702	27.4
525.00	Unincorporated El Dorado County (Remainder Area)	0	4,565	5,778	59	97	233	0	233	19.6
526.00	Unincorporated El Dorado County (Remainder Area)	0	3,209	4,033	56	55	142	0	142	22.6
527.00	Unincorporated El Dorado County (Remainder Area)	0	8,800	6,945	841	186	447	71	517	17.0
528.00	Unincorporated El Dorado County (Remainder Area)	0	51,688	63,902	893	1,061	2,556	51	2,607	19.8
529.00	Unincorporated El Dorado County (Remainder Area)	0	1,260	1,222	125	19	46	8	54	23.2
530.00	Unincorporated El Dorado County (Remainder Area)	0	13,311	17,591	224	226	551	0	551	24.2
531.00	Unincorporated El Dorado County (Remainder Area)	0	3,817	5,008	62	59	144	0	144	26.6
532.00	Unincorporated El Dorado County (Remainder Area)	0	3,641	4,568	65	64	156	0	156	23.4
533.00	Unincorporated El Dorado County (Remainder Area)	0	11,669	9,340	989	151	367	53	420	27.8
534.00	Unincorporated El Dorado County (Remainder Area)	0	4,281	5,430	72	69	168	0	168	25.5
535.00	Unincorporated El Dorado County (Remainder Area)	0	5,370	6,739	85	95	245	0	245	21.9
536.00	Unincorporated El Dorado County (Remainder Area)	0	5,498	6,967	83	106	273	0	273	20.1
537.00	Unincorporated El Dorado County (Remainder Area)	0	10,960	14,368	139	208	536	0	536	20.4
538.00	Unincorporated El Dorado County (Remainder Area)	0	15,612	7,374	1,849	159	382	137	519	30.1
539.00	Unincorporated El Dorado County (Remainder Area)	0	13,583	1,932	1,916	11	27	142	169	80.3
540.00	Unincorporated El Dorado County (Remainder Area)	0	9,646	0	1,697	0	0	132	132	72.9
541.00	Unincorporated El Dorado County (Remainder Area)	0	2,570	840	301	18	43	24	67	38.2
542.00	Unincorporated El Dorado County (Remainder Area)	0	6,156	2,196	966	55	130	76	206	29.9
543.00	Unincorporated El Dorado County (Remainder Area)	0	32,347	1,669	6,366	50	118	368	486	66.5
544.00	Unincorporated El Dorado County (Remainder Area)	0	2,505	2,667	63	58	137	0	137	18.2
545.00	Unincorporated El Dorado County (Remainder Area)	0	1,420	1,757	20	27	64	0	64	22.2
546.00	Unincorporated El Dorado County (Remainder Area)	0	7,990	10,035	116	131	310	0	310	25.8
547.00	Unincorporated El Dorado County (Remainder Area)	0	4,921	533	762	13	31	64	95	51.9
548.00	Unincorporated El Dorado County (Remainder Area)	0	15,316	17,515	599	405	960	27	987	15.5
549.00	Unincorporated El Dorado County (Remainder Area)	0	2,383	2,753	64	54	128	1	129	18.5
550.00	Unincorporated El Dorado County (Remainder Area)	0	6,356	1,692	997	40	100	62	162	39.1
551.00	Unincorporated El Dorado County (Remainder Area)	0	8,980	1,807	1,359	46	115	87	202	44.4
552.00	Unincorporated El Dorado County (Remainder Area)	0	1,059	453	106	11	26	6	32	33.1
553.00	Unincorporated El Dorado County (Remainder Area)	0	1,475	1,736	32	35	83	0	83	17.8
554.00	Unincorporated El Dorado County (Remainder Area)	0	6,767	7,913	189	185	438	5	443	15.3
555.00	Unincorporated El Dorado County (Remainder Area)	0	1,557	1,755	31	39	92	0	92	16.9
556.00	Unincorporated El Dorado County (Remainder Area)	0	4,496	5,452	81	89	211	0	211	21.3
557.00	Unincorporated El Dorado County (Remainder Area)	0	1,812	1,548	215	34	81	20	101	18.0
558.00	Unincorporated El Dorado County (Remainder Area)	0	2,006	2,503	27	40	96	0	96	20.9
559.00	Unincorporated El Dorado County (Remainder Area)	0	1,257	1,458	22	28	67	0	67	18.7
560.00	Unincorporated El Dorado County (Remainder Area)	0	5,901	1,194	1,752	28	66	172	238	24.8
561.00	Unincorporated El Dorado County (Remainder Area)	0	898	1,020	19	23	54	0	54	16.6
562.00	Unincorporated El Dorado County (Remainder Area)	0	3,765	4,666	55	73	175	0	175	21.5
563.00	Unincorporated El Dorado County (Remainder Area)	0	2,092	2,695	24	40	90	0	90	23.2
564.00	Unincorporated El Dorado County (Remainder Area)	0	1,034	1,209	24	27	62	0	62	16.6
565.00	Unincorporated El Dorado County (Remainder Area)	0	2,168	2,318	52	69	143	0	143	15.2
566.00	Unincorporated El Dorado County (Remainder Area)	0	3,922	3,968	140	112	264	5	269	14.6
567.00	Unincorporated El Dorado County (Remainder Area)	0	3,069	691	582	29	60	50	110	27.9
568.00	Unincorporated El Dorado County (Remainder Area)	0	2,932	750	553	26	61	47	108	27.1
569.00	Unincorporated El Dorado County (Remainder Area)	0	7,004	1,985	1,085	72	169	96	265	26.4
570.00	Unincorporated El Dorado County (Remainder Area)	0	8,653	1,177	1,858	53	109	169	278	31.1
571.00	Unincorporated El Dorado County (Remainder Area)	0	1,096	1,124	28	38	79	0	79	13.9
572.00	Unincorporated El Dorado County (Remainder Area)	0	4,743	1,226	966	39	90	89	178	26.6
573.00	Unincorporated El Dorado County (Remainder Area)	0	7,931	9,676	126	126	284	0	284	27.9
574.00	Unincorporated El Dorado County (Remainder Area)	0	4,391	5,576	54	88	204	1	205	21.5
575.00	Unincorporated El Dorado County (Remainder Area)	0	2,795	4,022	21	37	86	0	86	32.6
576.00	Unincorporated El Dorado County (Remainder Area)	0	2,741	853	323	19	43	33	76	36.1
577.00	Unincorporated El Dorado County (Remainder Area)	0	525	632	8	14	32	0	32	16.6
578.00	Unincorporated El Dorado County (Remainder Area)	0	25,007	38,117	125	451	1,016	0	1,016	24.6
579.00	Unincorporated El Dorado County (Remainder Area)	0	2,777	4,013	21	41	96	0	96	28.9
580.00	Unincorporated El Dorado County (Remainder Area)	0	2,449	3,319	26	42	98	0	98	24.9
581.00	Unincorporated El Dorado County (Remainder Area)	0	4,766	6,992	39	66	146	0	146	32.6
582.00	Unincorporated El Dorado County (Remainder Area)	0	13,141	990	1,612	15	37	65	102	128.9
583.00	Unincorporated El Dorado County (Remainder Area)	0	30,908	46,471	292	446	987	15	1,002	30.9
584.00	Unincorporated El Dorado County (Remainder Area)	0	2,105	2,049	107	22	47	6	53	39.8
585.00	Unincorporated El Dorado County (Remainder Area)	0	9,917	14,051	94	148	327	0	327	30.3
586.00	Unincorporated El Dorado County (Remainder Area)	0	3,737	2,857	259	56	105	10	115	32.5
587.00	Unincorporated El Dorado County (Remainder Area)	0	1,951	2,745	23	48	116	0	116	16.8
588.00	Unincorporated El Dorado County (Remainder Area)	0	15,921	22,587	146	348	892	0	892	17.8
589.00	Unincorporated El Dorado County (Remainder Area)	0	239	289	6	8	16	0	16	14.9
590.00	Unincorporated El Dorado County (Remainder Area)	0	817	1,029	14	23	55	0	55	14.9
591.00	Unincorporated El Dorado County (Remainder Area)	0	67	86	1	3	7	0	7	9.3
592.00	Unincorporated El Dorado County (Remainder Area)	0	14,386	9,357	1,286	361	801	146	947	15.2

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593.00	Unincorporated El Dorado County (Remainder Area)	0	6,836	5,858	530	155	370	56	426	16.1
594.00	Unincorporated El Dorado County (Remainder Area)	0	11,263	14,989	164	316	754	0	754	14.9
595.00	Unincorporated El Dorado County (Remainder Area)	0	4,039	2,667	252	46	104	27	131	30.8
596.00	Unincorporated El Dorado County (Remainder Area)	0	5,257	3,051	495	59	151	48	199	26.4
597.00	Unincorporated El Dorado County (Remainder Area)	0	12,310	3,058	1,759	122	271	214	485	25.4
598.00	Unincorporated El Dorado County (Remainder Area)	0	8,774	385	1,447	15	33	166	200	43.9
599.00	Unincorporated El Dorado County (Remainder Area)	0	621	761	12	18	40	0	40	15.6
600.00	Unincorporated El Dorado County (Remainder Area)	0	11,400	8,151	1,048	217	481	94	575	19.8
601.00	Unincorporated El Dorado County (Remainder Area)	0	1,334	1,853	5	11	24	0	24	54.9
602.00	Unincorporated El Dorado County (Remainder Area)	0	1,855	115	236	3	6	9	15	126.8
603.00	Unincorporated El Dorado County (Remainder Area)	0	3,577	468	925	12	23	32	55	65.6
604.00	Unincorporated El Dorado County (Remainder Area)	0	3,266	632	451	17	31	13	44	74.6
605.00	Unincorporated El Dorado County (Remainder Area)	0	2,839	913	809	21	46	29	75	38.1
606.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
607.00	Unincorporated El Dorado County (Remainder Area)	0	3,217	4,492	12	19	47	0	47	68.8
608.00	Unincorporated El Dorado County (Remainder Area)	0	29	41	0	1	2	0	2	13.8
609.00	Unincorporated El Dorado County (Remainder Area)	0	9,767	1,524	1,533	37	80	61	141	69.1
610.00	El Dorado Hills	0	60,630	138	28,022	0	0	2,725	2,725	22.3
611.00	El Dorado Hills	0	59,241	34,940	8,763	1,023	2,614	672	3,286	18.0
612.00	El Dorado Hills	0	128,386	1,041	62,107	0	0	5,778	5,778	22.2
613.00	Unincorporated El Dorado County (Remainder Area)	0	119	103	18	4	10	3	13	9.3
614.00	El Dorado Hills	0	6,308	7,466	136	211	550	0	550	11.5
615.00	El Dorado Hills	0	10,559	8,812	723	211	550	60	609	17.3
616.00	El Dorado Hills	0	1,572	1,868	33	53	138	0	138	11.4
617.00	El Dorado Hills	0	13,978	9,747	902	187	553	89	642	21.8
618.00	El Dorado Hills	0	4,685	0	2,121	0	0	265	265	17.7
619.00	El Dorado Hills	0	3,485	0	566	0	0	60	60	58.1
620.00	El Dorado Hills	0	17,454	3,711	1,582	0	0	178	178	98.1
621.00	El Dorado Hills	0	12,584	16,366	218	326	963	0	963	13.1
622.00	El Dorado Hills	0	19,329	18,100	1,113	370	1,094	90	1,184	16.3
623.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
624.00	El Dorado Hills	0	15,288	14,521	679	309	918	54	972	15.7
625.00	El Dorado Hills	0	182	0	105	0	0	12	12	15.1
626.00	Unincorporated El Dorado County (Remainder Area)	0	41,741	4,894	6,425	164	386	554	939	44.4
627.00	Unincorporated El Dorado County (Remainder Area)	0	59,161	0	10,959	0	0	966	966	61.2
628.00	Unincorporated El Dorado County (Remainder Area)	0	19,751	23,484	456	515	1,322	0	1,322	14.9
629.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
630.00	Unincorporated El Dorado County (Remainder Area)	0	34,116	45,090	502	800	2,358	0	2,358	14.5
631.00	Unincorporated El Dorado County (Remainder Area)	0	3,592	0	511	0	0	49	49	73.3
632.00	Unincorporated El Dorado County (Remainder Area)	0	1,665	2,035	33	53	138	0	138	12.1
633.00	Unincorporated El Dorado County (Remainder Area)	0	7,045	8,463	150	211	550	0	550	12.8
634.00	Unincorporated El Dorado County (Remainder Area)	0	7,378	8,948	151	212	552	0	552	13.4
635.00	Unincorporated El Dorado County (Remainder Area)	0	3,616	4,380	72	106	276	0	276	13.1
636.00	Unincorporated El Dorado County (Remainder Area)	0	6,066	8,328	136	212	556	0	556	10.9
637.00	Unincorporated El Dorado County (Remainder Area)	0	9,479	11,602	188	265	695	0	695	13.6
638.00	Unincorporated El Dorado County (Remainder Area)	0	1,278	1,601	22	36	94	0	94	13.5
639.00	Unincorporated El Dorado County (Remainder Area)	0	2,741	3,350	52	72	189	0	189	14.5
640.00	Unincorporated El Dorado County (Remainder Area)	0	9,569	11,870	183	272	713	0	713	13.4
641.00	Unincorporated El Dorado County (Remainder Area)	0	2,768	3,418	52	72	189	0	189	14.7
642.00	Unincorporated El Dorado County (Remainder Area)	0	36,544	38,535	1,584	926	2,421	96	2,517	14.5
643.00	Unincorporated El Dorado County (Remainder Area)	0	9,298	11,531	180	257	672	0	672	13.8
644.00	Unincorporated El Dorado County (Remainder Area)	0	3,080	3,888	55	90	238	0	238	12.9
645.00	Unincorporated El Dorado County (Remainder Area)	0	21,187	24,992	916	495	1,311	56	1,367	15.5
646.00	Unincorporated El Dorado County (Remainder Area)	0	7,099	8,886	124	180	477	0	477	14.9
647.00	Unincorporated El Dorado County (Remainder Area)	0	1,502	1,886	26	45	119	0	119	12.6
648.00	Unincorporated El Dorado County (Remainder Area)	0	3,888	2,224	514	45	119	42	161	24.1
649.00	Unincorporated El Dorado County (Remainder Area)	0	4,694	2,829	29	45	119	0	119	39.4
650.00	Outside of County	0	2,927,095	1,493,889	489,990	0	0	0	0	-
651.00	Outside of County	0	29,907	17,047	4,088	0	0	0	0	-
652.00	Outside of County	0	0	0	0	0	0	0	0	-
653.00	Outside of County	0	418,360	187,941	51,394	0	0	0	0	-
654.00	Outside of County	0	41,837	9,387	2,406	0	0	0	0	-
655.00	Outside of County	0	352,949	120,176	33,893	0	0	0	0	-
656.00	Outside of County	0	56,405	18,678	7,059	0	0	0	0	-
657.00	Outside of County	0	196,538	9,081	3,574	0	0	0	0	-
658.00	Outside of County	0	0	0	0	0	0	0	0	-
659.00	Outside of County	0	5,736	3,011	930	0	0	0	0	-
660.00	Outside of County	0	181,545	101,903	33,582	0	0	0	0	-
661.00	Outside of County	0	148,635	79,040	24,370	0	0	0	0	-
662.00	Outside of County	0	709,352	373,995	120,948	0	0	0	0	-
663.00	Outside of County	0	734,926	259,712	80,521	0	0	0	0	-
664.00	Outside of County	0	452,395	247,393	66,319	0	0	0	0	-
665.00	Outside of County	0	221,555	97,593	36,007	0	0	0	0	-
666.00	Outside of County	0	102,461	56,666	17,284	0	0	0	0	-

VMT Summary by Jurisdiction - 2040 Baseline Scenario (Plus Project - Mitigation) With 22,000 SF Commercial Retail

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
667.00	Outside of County	0	0	0	0	0	0	0	0	-
668.00	Outside of County	0	535,722	361,987	0	0	0	0	0	-
669.00	Outside of County	0	0	0	0	0	0	0	0	-
670.00	Outside of County	0	0	0	0	0	0	0	0	-
671.00	Outside of County	0	203,388	110,522	30,586	0	0	0	0	-
672.00	Outside of County	0	38,757	38,848	0	0	0	0	0	-
673.00	Outside of County	0	33,683	16,671	0	0	0	0	0	-
674.00	Outside of County	0	405,096	27,637	0	0	0	0	0	-

2018 Baseline Scenario (Plus Project – Mitigation)

-WITH-

22,000 SF Commercial Retail

-AND-

VMVSP

-WITH-

25,000 SF Commercial Office Shift to Commercial Retail

VMT Summary by Jurisdiction - 2018 Baseline Scenario (Plus Project - Mitigation) With 22,000 SF Commercial Retail and VMVSP With 25,000 SF Commercial Shift to Commercial Retail in VMVSP

	VMT Estimates			VMT Efficiency Metrics			Population Details				
Jurisdiction	Total OD VMT	Home-based PA VMT	Home-based Work PA VMT	Total VMT per Service Population	Home-based VMT per Capita	Home-based Work VMT per Employee	Total Households	Total Population	Total Employment	Total Service Population	Persons Per Household
City of Placerville	299,204	67,894	90,784	21.0	10.3	11.9	2,914	6,581	7,639	14,220	2.26
Unincorporated El Dorado County	3,890,148	3,315,346	433,283	21.3	22.4	12.4	59,091	148,003	34,971	182,974	2.50
629	30,751	0	10,512	19.3		6.6	0	0	1,595	1,595	
630	169,528	233,932	1,515	14.3	19.7		4,036	11,894	0	11,894	2.95
631	16,859	0	2,297	67.4			0	0	250	250	
				Threshold	19.3	11.1					

VMT Summary by Jurisdiction - 2018 Baseline Scenario (Plus Project - Mitigation) With 22,000 SF Commercial Retail and VMVSP With 25,000 SF Commercial Shift to Commercial Retail in VMVSP

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
1.00	Unincorporated El Dorado County (Remainder Area)	0	4,169	2,570	333	46	75	16	91	46.0
2.00	Unincorporated El Dorado County (Remainder Area)	0	22,759	31,301	471	525	1,185	34	1,219	18.7
3.00	Unincorporated El Dorado County (Remainder Area)	0	2,960	3,759	43	34	88	0	88	33.8
4.00	Unincorporated El Dorado County (Remainder Area)	0	1,536	1,522	53	16	34	2	36	43.0
5.00	Unincorporated El Dorado County (Remainder Area)	0	2,858	4,021	27	33	73	0	73	39.4
6.00	Unincorporated El Dorado County (Remainder Area)	0	12,248	15,649	358	270	646	9	655	18.7
7.00	Unincorporated El Dorado County (Remainder Area)	0	25,651	33,021	1,006	516	1,119	71	1,190	21.6
8.00	Unincorporated El Dorado County (Remainder Area)	0	2,721	782	759	14	36	60	96	28.3
9.00	Unincorporated El Dorado County (Remainder Area)	0	28,785	33,374	1,720	482	1,240	117	1,357	21.2
10.00	Outside of County	0	0	0	0	0	0	0	0	-
11.00	Outside of County	0	0	0	0	0	0	0	0	-
12.00	Outside of County	0	39,897	31,397	1,874	663	1,741	96	1,837	21.7
13.00	Outside of County	0	31,162	35,969	683	775	1,995	0	1,995	15.6
14.00	Outside of County	0	64,655	72,410	1,597	1,502	4,068	32	4,100	15.8
15.00	Outside of County	0	497	527	10	10	23	0	23	22.1
16.00	Outside of County	0	55,421	8,999	7,437	149	378	434	812	68.2
17.00	Outside of County	0	0	0	0	0	0	0	0	-
18.00	Outside of County	0	1,559	619	67	41	116	0	116	13.4
19.00	Outside of County	0	0	0	0	0	0	0	0	-
20.00	Outside of County	0	220	18	121	1	1	5	6	36.7
21.00	Outside of County	0	5,305	51	2,602	1	2	112	114	46.5
22.00	Outside of County	0	2,251	267	591	2	6	23	29	77.6
23.00	Outside of County	0	59,907	24,268	6,446	101	273	244	517	116.0
24.00	Outside of County	0	48	30	1	1	1	0	1	48.1
25.00	Outside of County	0	0	0	0	0	0	0	0	-
26.00	Outside of County	0	0	0	0	0	0	0	0	-
27.00	Outside of County	0	1,339	266	515	2	6	22	28	47.8
28.00	Outside of County	0	12,543	14,638	387	123	332	6	338	37.1
29.00	Outside of County	0	7,983	9,194	250	72	192	5	197	40.5
30.00	Outside of County	0	6,088	0	3,277	0	0	133	133	45.8
31.00	Outside of County	0	5,572	4,120	1,070	44	94	45	139	40.0
32.00	Outside of County	0	25,006	6,847	623	676	1,526	0	1,526	16.4
33.00	Outside of County	0	0	0	0	0	0	0	0	-
34.00	Outside of County	0	8,761	9,488	600	75	191	16	207	42.4
35.00	Outside of County	0	0	0	0	0	0	0	0	-
36.00	Outside of County	0	0	0	0	0	0	0	0	-
37.00	Outside of County	0	5,089	0	2,712	0	0	178	178	28.6
38.00	Outside of County	0	0	0	0	0	0	0	0	-
39.00	Outside of County	0	24,472	22,434	3,337	666	1,569	227	1,796	13.6
40.00	Outside of County	0	114,263	26,304	19,061	916	2,079	1,839	3,918	29.2
41.00	Outside of County	0	30,948	26,444	4,020	544	1,271	203	1,474	21.0
42.00	Outside of County	0	0	0	0	0	0	0	0	-
43.00	Outside of County	0	53,378	62,523	1,239	828	2,045	0	2,045	26.1
44.00	Outside of County	0	79,796	76,679	3,358	1,069	2,614	95	2,709	29.5
45.00	Outside of County	0	100,804	24,015	14,674	906	2,057	1,357	3,414	29.5
46.00	Outside of County	0	0	0	0	0	0	0	0	-
47.00	Outside of County	0	101,469	0	43,319	0	0	2,398	2,398	42.3
48.00	Outside of County	0	82,789	76,605	3,616	1,203	3,068	121	3,189	26.0
49.00	Outside of County	0	153,681	0	79,414	0	0	4,642	4,642	33.1
50.00	Outside of County	0	120,866	84,635	19,687	1,025	2,430	826	3,256	37.1
51.00	Outside of County	0	126,427	68,311	18,417	1,768	4,253	1,237	5,490	23.0
52.00	Outside of County	0	46,540	25,835	4,536	297	667	240	907	51.3
53.00	Outside of County	0	114,341	86,525	8,622	1,335	3,452	377	3,829	29.9
54.00	Outside of County	0	95,921	36,493	39,973	476	1,153	1,827	2,980	32.2
55.00	Outside of County	0	83,435	38,362	12,773	675	1,583	800	2,383	35.0
56.00	Outside of County	0	34,771	39,533	1,016	820	1,933	4	1,937	18.0
57.00	Outside of County	0	162,886	0	115,831	0	0	7,375	7,375	22.1
58.00	Outside of County	0	43,841	24,071	6,963	465	1,160	388	1,548	28.3
59.00	Outside of County	0	425	110	176	2	4	9	13	32.7
60.00	Outside of County	0	207,447	17,323	105,419	238	478	4,236	4,714	44.0
61.00	Outside of County	0	273,879	190,099	22,761	2,205	5,227	797	6,024	45.5
62.00	Outside of County	0	55,456	316	27,217	4	8	1,150	1,158	47.9
63.00	Outside of County	0	112,674	18,136	52,250	340	756	3,083	3,839	29.4
64.00	Outside of County	0	79,938	59,345	11,659	865	2,156	560	2,716	29.4
65.00	Outside of County	0	10,394	11,359	221	136	338	0	338	30.7
66.00	Outside of County	0	62,879	50,248	4,360	826	1,950	172	2,122	29.6
67.00	Outside of County	0	10,510	0	2,863	0	0	178	178	59.0
68.00	Outside of County	0	55,522	32,239	12,004	616	1,314	679	1,993	27.9
69.00	Outside of County	0	144,273	90,354	38,821	1,588	4,122	2,320	6,442	22.4
70.00	Outside of County	0	211,437	842	128,679	0	0	6,956	6,956	30.4
71.00	Outside of County	0	107,546	110,155	5,003	1,231	3,088	121	3,209	33.5
72.00	Outside of County	0	255,520	377	136,457	0	0	5,133	5,133	49.8
73.00	Outside of County	0	122,814	0	81,623	0	0	5,627	5,627	21.8
74.00	Outside of County	0	177,410	21,830	82,839	435	1,022	4,728	5,750	30.9

VMT Summary by Jurisdiction - 2018 Baseline Scenario (Plus Project - Mitigation) With 22,000 SF Commercial Retail and VMVSP With 25,000 SF Commercial Shift to Commercial Retail in VMVSP

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
75.00	Outside of County	0	106,792	76,861	27,746	1,936	4,401	1,866	6,267	17.0
76.00	Outside of County	0	42,237	23,450	5,092	508	1,352	297	1,649	25.6
77.00	Outside of County	0	164,216	78,132	34,881	1,155	2,810	1,659	4,469	36.7
78.00	Outside of County	0	89,554	0	24,211	0	0	1,567	1,567	57.1
79.00	Outside of County	0	968	0	0	0	0	20	20	48.4
80.00	Outside of County	0	50,651	0	24,244	0	0	1,410	1,410	35.9
81.00	Outside of County	0	161,775	0	84,548	0	0	4,951	4,951	32.7
82.00	Outside of County	0	56,478	0	30,391	0	0	1,787	1,787	31.6
83.00	Outside of County	0	0	0	0	0	0	0	0	-
84.00	Outside of County	0	64,603	48,133	6,664	1,226	2,817	405	3,222	20.1
85.00	Outside of County	0	71,775	59,622	4,771	1,295	3,246	253	3,499	20.5
86.00	Outside of County	0	113,069	74,641	11,691	1,968	4,487	754	5,241	21.6
87.00	Outside of County	0	103,292	65,942	13,169	2,114	4,344	800	5,144	20.1
88.00	Outside of County	0	86,521	47,463	12,249	1,099	2,679	762	3,441	25.1
89.00	Outside of County	0	11,368	0	4,758	0	0	293	293	38.8
90.00	Outside of County	0	53,840	0	11,044	0	0	592	592	90.9
91.00	Outside of County	0	123,453	16,117	50,994	383	961	4,100	5,061	24.4
92.00	Outside of County	0	59,769	56,119	3,345	1,139	2,709	141	2,850	21.0
93.00	Outside of County	0	0	0	0	0	0	0	0	-
94.00	Outside of County	0	432	479	9	6	15	0	15	28.8
95.00	Outside of County	0	934	0	446	0	0	27	27	34.6
96.00	Outside of County	0	343	0	175	0	0	12	12	28.5
97.00	Outside of County	0	110	102	3	2	4	0	4	27.5
98.00	Outside of County	0	76,526	349	27,272	10	25	2,289	2,314	33.1
99.00	Outside of County	0	50,781	27,322	11,995	791	1,944	958	2,902	17.5
100.00	Outside of County	0	6,017	7,004	131	84	203	0	203	29.6
101.00	Outside of County	0	12,172	0	6,162	0	0	320	320	38.0
102.00	Outside of County	0	6,009	5,230	1,016	51	153	53	206	29.2
103.00	Outside of County	0	58,810	67,936	1,426	910	2,200	0	2,200	26.7
104.00	Outside of County	0	0	0	0	0	0	0	0	-
105.00	Outside of County	0	0	0	0	0	0	0	0	-
106.00	Outside of County	0	2,880	0	1,470	0	0	70	70	41.1
107.00	Outside of County	0	85,555	0	46,079	0	0	3,135	3,135	27.3
108.00	Outside of County	0	439	0	204	0	0	15	15	29.3
109.00	Outside of County	0	19,077	0	4,302	0	0	238	238	80.2
110.00	Outside of County	0	64,215	8,677	29,333	205	426	1,610	2,036	31.5
111.00	Outside of County	0	137,559	12,347	25,430	350	728	1,151	1,879	73.2
112.00	Outside of County	0	196,683	38,623	42,689	747	1,946	2,117	4,063	48.4
113.00	Outside of County	0	89,037	0	47,193	0	0	4,022	4,022	22.1
114.00	Outside of County	0	41,017	30,385	7,801	770	1,950	660	2,610	15.7
115.00	Outside of County	0	0	0	0	0	0	0	0	-
116.00	Outside of County	0	0	0	0	0	0	0	0	-
117.00	Outside of County	0	87,135	33,034	23,797	401	1,031	1,492	2,523	34.5
118.00	Outside of County	0	92,118	83,895	3,775	2,313	5,898	187	6,085	15.1
119.00	Outside of County	0	171,054	7,923	75,295	214	522	6,545	7,067	24.2
120.00	Outside of County	0	204,327	0	58,778	0	0	4,131	4,131	49.5
121.00	Outside of County	0	167,503	57,582	22,530	1,642	4,261	1,724	5,985	28.0
122.00	Outside of County	0	67,469	20,248	12,508	619	1,530	1,071	2,601	25.9
123.00	Outside of County	0	53,080	7,525	10,768	200	529	855	1,384	38.4
124.00	Outside of County	0	81,482	54,903	5,679	1,240	2,628	328	2,956	27.6
125.00	Outside of County	0	60,502	10,835	9,371	389	801	781	1,582	38.2
126.00	Outside of County	0	15,840	4,375	1,801	136	279	129	408	38.8
127.00	Outside of County	0	38,660	34,228	2,040	800	1,693	117	1,810	21.4
128.00	Outside of County	0	86,942	40,367	11,103	999	2,062	767	2,829	30.7
129.00	Outside of County	0	42,912	46,529	824	994	2,246	0	2,246	19.1
130.00	Outside of County	0	31,861	9,926	4,101	369	740	416	1,156	27.6
131.00	Outside of County	0	76,226	20,651	13,738	607	1,234	1,278	2,512	30.3
132.00	Outside of County	0	34,109	20,538	4,045	407	894	260	1,154	29.6
133.00	Outside of County	0	133,583	63,002	14,804	2,087	5,211	1,475	6,686	20.0
134.00	Outside of County	0	70,705	32,191	18,682	1,075	2,460	1,492	3,952	17.9
135.00	Outside of County	0	43,794	0	24,177	0	0	2,114	2,114	20.7
136.00	Outside of County	0	31,979	28,657	1,664	669	1,669	82	1,751	18.3
137.00	Outside of County	0	140,058	104,722	9,534	2,349	6,735	673	7,408	18.9
138.00	El Dorado Diamond Springs	0	5,503	5,255	426	161	367	25	392	14.0
139.00	El Dorado Diamond Springs	0	3,985	1,738	665	62	135	55	190	20.9
140.00	El Dorado Diamond Springs	0	24,537	259	5,027	10	27	383	410	59.8
141.00	Unincorporated El Dorado County (Remainder Area)	0	2,104	2,002	80	21	49	2	51	41.4
142.00	Unincorporated El Dorado County (Remainder Area)	0	7,334	7,882	176	157	353	0	353	20.8
143.00	Unincorporated El Dorado County (Remainder Area)	0	3,581	3,689	132	93	209	4	213	16.8
144.00	Unincorporated El Dorado County (Remainder Area)	0	3,875	3,940	293	74	186	19	205	18.9
145.00	Unincorporated El Dorado County (Remainder Area)	0	799	821	23	30	69	0	69	11.7
146.00	El Dorado Diamond Springs	0	3,796	1,745	629	64	145	51	196	19.4
147.00	El Dorado Diamond Springs	0	4,276	4,468	134	159	359	0	359	11.9
148.00	Outside of County	0	189,473	256,388	7,262	2,250	5,293	137	5,430	34.9

VMT Summary by Jurisdiction - 2018 Baseline Scenario (Plus Project - Mitigation) With 22,000 SF Commercial Retail and VMVSP With 25,000 SF Commercial Shift to Commercial Retail in VMVSP

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
149.00	Shingle Springs	0	6,743	1,708	1,403	37	98	112	210	32.1
150.00	Unincorporated El Dorado County (Remainder Area)	0	7,809	8,620	223	109	260	3	263	29.7
151.00	Unincorporated El Dorado County (Remainder Area)	0	1,487	2,053	20	23	67	0	67	22.1
152.00	Shingle Springs	0	9,758	6,170	1,392	122	315	99	414	23.6
153.00	Unincorporated El Dorado County (Remainder Area)	0	6,392	6,578	214	178	388	5	393	16.2
154.00	Unincorporated El Dorado County (Remainder Area)	0	3,268	3,333	209	84	196	16	212	15.4
155.00	Shingle Springs	0	2,672	3,145	55	62	161	0	161	16.6
156.00	Unincorporated El Dorado County (Remainder Area)	0	2,361	2,801	39	27	67	0	67	35.1
157.00	El Dorado Hills	0	11,315	14,715	182	274	807	0	807	14.0
158.00	Cameron Park	0	22,156	25,149	992	598	1,373	72	1,445	15.3
159.00	Cameron Park	0	12,790	16,643	225	340	878	1	879	14.6
160.00	Shingle Springs	0	7,846	9,684	155	194	501	0	501	15.7
161.00	El Dorado Hills	0	5,785	7,588	79	105	283	0	283	20.5
162.00	El Dorado Hills	0	71,589	99,857	935	1,503	4,414	0	4,414	16.2
163.00	El Dorado Hills	0	337	360	35	7	21	4	25	13.7
164.00	El Dorado Hills	0	27,223	0	13,839	0	0	1,232	1,232	22.1
165.00	El Dorado Hills	0	16,686	20,147	362	373	997	0	997	16.7
166.00	Outside of County	0	41,398	42,490	1,352	749	1,892	49	1,941	21.3
167.00	El Dorado Hills	0	50,453	52,959	2,081	1,297	2,904	55	2,959	17.0
168.00	El Dorado Hills	0	30,686	36,944	907	1,125	2,519	9	2,528	12.1
169.00	El Dorado Hills	0	99,773	148	20,350	0	0	1,688	1,688	59.1
170.00	El Dorado Hills	0	26,886	0	14,635	0	0	1,357	1,357	19.8
171.00	El Dorado Hills	0	14,218	13,001	738	441	790	20	810	17.6
172.00	El Dorado Hills	0	8,039	0	1,892	0	0	168	168	47.9
173.00	El Dorado Hills	0	29,001	0	6,139	0	0	547	547	53.0
174.00	Unincorporated El Dorado County (Remainder Area)	0	2,256	1,578	252	15	37	11	48	46.6
175.00	Unincorporated El Dorado County (Remainder Area)	0	965	889	97	11	26	5	31	30.9
176.00	Unincorporated El Dorado County (Remainder Area)	0	2,068	2,359	40	29	69	0	69	29.9
177.00	Unincorporated El Dorado County (Remainder Area)	0	833	713	117	10	25	7	32	26.1
178.00	Unincorporated El Dorado County (Remainder Area)	0	2,110	2,463	39	30	77	0	77	27.3
179.00	Unincorporated El Dorado County (Remainder Area)	0	9	15	0	1	3	0	3	3.3
180.00	El Dorado Hills	0	2,816	3,608	39	58	149	0	149	18.8
181.00	El Dorado Hills	0	1,285	8	551	1	3	58	61	21.2
182.00	Cameron Park	0	51,250	69,032	700	1,186	3,202	0	3,202	16.0
183.00	Unincorporated El Dorado County (Remainder Area)	0	6,033	7,466	102	152	355	0	355	17.0
184.00	Cameron Park	0	26,696	20,247	2,799	357	964	300	1,264	21.1
185.00	Cameron Park	0	5,245	6,650	80	149	342	0	342	15.3
186.00	Cameron Park	0	605	102	198	3	7	28	35	17.3
187.00	Cameron Park	0	10,070	9,970	910	239	549	85	634	15.9
188.00	Cameron Park	0	7,249	7,249	722	188	432	69	501	14.5
189.00	Unincorporated El Dorado County (Remainder Area)	0	2,915	3,726	44	37	104	0	104	28.2
190.00	Unincorporated El Dorado County (Remainder Area)	0	11,350	14,922	176	237	663	0	663	17.1
191.00	El Dorado Hills	0	824	1,103	11	19	53	0	53	15.5
192.00	El Dorado Hills	0	1,091	1,445	15	25	70	0	70	15.7
193.00	El Dorado Hills	0	8,761	4,426	2,473	100	253	246	499	17.6
194.00	El Dorado Hills	0	18,058	23,743	273	439	1,285	0	1,285	14.1
195.00	El Dorado Hills	0	1,623	533	192	10	26	14	40	41.1
196.00	Outside of County	0	46,035	51,329	1,526	923	2,503	82	2,585	17.8
197.00	El Dorado Hills	0	3,980	4,955	68	86	219	0	219	18.1
198.00	El Dorado Hills	0	58,680	47,284	4,643	887	2,482	453	2,935	20.0
199.00	El Dorado Hills	0	11,238	3,709	1,612	62	173	120	293	38.3
200.00	El Dorado Hills	0	3,381	334	775	7	18	67	85	39.8
201.00	El Dorado Hills	0	13,398	8,493	2,760	150	439	301	740	18.1
202.00	El Dorado Hills	0	41,980	41,769	2,384	737	2,062	199	2,261	18.6
203.00	El Dorado Hills	0	51,066	66,107	1,760	1,043	3,061	139	3,200	16.0
204.00	El Dorado Hills	0	18,942	20,335	605	362	1,067	41	1,108	17.1
205.00	El Dorado Hills	0	1,670	0	770	0	0	80	80	20.9
206.00	El Dorado Hills	0	2,120	2,764	29	52	153	0	153	13.8
207.00	El Dorado Hills	0	15,076	19,989	231	296	869	0	869	17.4
208.00	Unincorporated El Dorado County (Remainder Area)	0	413	562	5	9	26	0	26	15.6
209.00	El Dorado Hills	0	2,994	3,568	172	55	161	14	175	17.1
210.00	El Dorado Hills	0	5,744	7,587	86	125	366	0	366	15.7
211.00	Unincorporated El Dorado County (Remainder Area)	0	166	231	2	4	11	0	11	14.9
212.00	El Dorado Hills	0	1,876	2,539	25	35	103	0	103	18.3
213.00	Unincorporated El Dorado County (Remainder Area)	0	6,831	9,053	100	116	323	0	323	21.2
214.00	Unincorporated El Dorado County (Remainder Area)	0	688	924	10	8	19	0	19	35.6
215.00	El Dorado Hills	0	6,146	8,057	96	113	316	0	316	19.4
216.00	Unincorporated El Dorado County (Remainder Area)	0	402	523	5	5	12	0	12	33.2
217.00	Unincorporated El Dorado County (Remainder Area)	0	745	965	10	11	31	0	31	24.2
218.00	Unincorporated El Dorado County (Remainder Area)	0	1,731	2,252	25	28	78	0	78	22.1
219.00	Unincorporated El Dorado County (Remainder Area)	0	4,447	2,417	1,006	28	78	77	155	28.7
220.00	Unincorporated El Dorado County (Remainder Area)	0	584	769	8	9	25	0	25	23.3
221.00	El Dorado Hills	0	42,517	58,487	548	876	2,359	0	2,359	18.0
222.00	Cameron Park	0	2,638	1,414	249	26	71	26	97	27.3

VMT Summary by Jurisdiction - 2018 Baseline Scenario (Plus Project - Mitigation) With 22,000 SF Commercial Retail and VMVSP With 25,000 SF Commercial Shift to Commercial Retail in VMVSP

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
223.00	Cameron Park	0	4,119	5,611	50	103	279	0	279	14.7
224.00	Unincorporated El Dorado County (Remainder Area)	0	5,535	6,593	342	95	258	29	287	19.3
225.00	Unincorporated El Dorado County (Remainder Area)	0	11,258	7,804	961	92	270	79	349	32.3
226.00	Cameron Park	0	9,932	8,790	740	131	384	76	460	21.6
227.00	Cameron Park	0	182	178	12	5	12	2	14	12.9
228.00	Cameron Park	0	23,668	31,669	495	705	1,703	20	1,723	13.7
229.00	El Dorado Hills	0	375	528	3	9	24	0	24	15.5
230.00	El Dorado Hills	0	538	761	5	12	35	0	35	15.3
231.00	Unincorporated El Dorado County (Remainder Area)	0	962	324	214	5	15	28	43	22.5
232.00	Unincorporated El Dorado County (Remainder Area)	0	2,146	2,896	28	33	92	0	92	23.4
233.00	Cameron Park	0	6,575	3,874	741	92	211	101	312	21.1
234.00	Cameron Park	0	47,101	42,209	4,358	1,004	2,306	587	2,893	16.3
235.00	Cameron Park	0	34,092	45,436	456	861	2,214	0	2,214	15.4
236.00	Cameron Park	0	17,867	24,366	285	468	1,204	9	1,213	14.7
237.00	Cameron Park	0	2,805	3,579	42	75	172	0	172	16.3
238.00	Cameron Park	0	15,142	13,984	1,933	280	676	199	875	17.3
239.00	Cameron Park	0	1,954	1,644	130	32	87	16	103	19.0
240.00	Unincorporated El Dorado County (Remainder Area)	0	7,588	10,076	103	127	345	0	345	22.0
241.00	Cameron Park	0	6,933	9,272	102	164	445	2	447	15.5
242.00	Cameron Park	0	819	1,123	9	22	60	0	60	13.7
243.00	Cameron Park	0	2,434	2,980	117	52	141	13	154	15.8
244.00	Unincorporated El Dorado County (Remainder Area)	0	1,399	1,813	23	22	57	0	57	24.7
245.00	Unincorporated El Dorado County (Remainder Area)	0	848	1,077	11	10	29	0	29	29.3
246.00	Unincorporated El Dorado County (Remainder Area)	0	4,610	6,256	58	63	182	0	182	25.3
247.00	Unincorporated El Dorado County (Remainder Area)	0	14,570	16,581	349	296	646	0	646	22.6
248.00	Unincorporated El Dorado County (Remainder Area)	0	11,038	13,551	224	185	441	0	441	25.0
249.00	Unincorporated El Dorado County (Remainder Area)	0	1,940	2,132	39	27	59	0	59	32.9
250.00	Unincorporated El Dorado County (Remainder Area)	0	3,306	3,987	62	53	123	0	123	26.8
251.00	Unincorporated El Dorado County (Remainder Area)	0	4,363	5,189	88	88	224	0	224	19.5
252.00	Unincorporated El Dorado County (Remainder Area)	0	20,295	25,136	409	434	1,130	0	1,130	18.0
253.00	Unincorporated El Dorado County (Remainder Area)	0	8,769	11,034	162	147	403	0	403	21.8
254.00	Unincorporated El Dorado County (Remainder Area)	0	6,184	7,408	124	116	295	0	295	21.0
255.00	Cameron Park	0	16,224	0	4,668	0	0	426	426	38.1
256.00	Cameron Park	0	44,446	1,977	12,756	47	121	1,042	1,163	38.2
257.00	Shingle Springs	0	29,638	6,909	10,577	153	389	960	1,349	22.0
258.00	Unincorporated El Dorado County (Remainder Area)	0	1,520	1,801	50	21	58	2	60	25.5
259.00	Unincorporated El Dorado County (Remainder Area)	0	1,848	2,308	30	30	78	0	78	23.7
260.00	Shingle Springs	0	5,544	60	1,735	2	4	146	150	36.9
261.00	Shingle Springs	0	15,033	4,209	3,467	92	252	282	534	28.1
262.00	Shingle Springs	0	12,688	4,941	2,879	121	308	238	546	23.3
263.00	Shingle Springs	0	6,076	5,018	512	108	296	35	331	18.4
264.00	Shingle Springs	0	4,686	2,302	602	50	137	45	182	25.7
265.00	Unincorporated El Dorado County (Remainder Area)	0	2,416	2,984	43	45	117	0	117	20.6
266.00	Unincorporated El Dorado County (Remainder Area)	0	2,359	2,152	116	42	92	4	96	24.7
267.00	Unincorporated El Dorado County (Remainder Area)	0	5,472	6,858	125	129	336	0	336	16.3
268.00	Unincorporated El Dorado County (Remainder Area)	0	3,269	3,752	130	69	180	6	186	17.6
269.00	Unincorporated El Dorado County (Remainder Area)	0	9,282	10,825	227	204	516	1	517	18.0
270.00	Unincorporated El Dorado County (Remainder Area)	0	2,462	3,186	42	44	113	0	113	21.7
271.00	Unincorporated El Dorado County (Remainder Area)	0	8,123	10,081	198	150	379	5	384	21.1
272.00	Unincorporated El Dorado County (Remainder Area)	0	6,785	7,783	352	131	347	23	370	18.3
273.00	Unincorporated El Dorado County (Remainder Area)	0	7,942	10,224	253	134	391	12	403	19.7
274.00	Unincorporated El Dorado County (Remainder Area)	0	15,330	13,917	1,294	233	618	99	717	21.4
275.00	Unincorporated El Dorado County (Remainder Area)	0	15,479	18,311	448	321	828	13	841	18.4
276.00	Cameron Park	0	9,021	11,043	254	224	541	12	553	16.3
277.00	Cameron Park	0	6,268	8,054	101	161	416	0	416	15.1
278.00	Unincorporated El Dorado County (Remainder Area)	0	5,297	6,921	83	91	247	0	247	21.5
279.00	Unincorporated El Dorado County (Remainder Area)	0	2,712	3,575	42	45	122	0	122	22.2
280.00	Unincorporated El Dorado County (Remainder Area)	0	1,769	2,206	32	37	98	0	98	18.0
281.00	Unincorporated El Dorado County (Remainder Area)	0	3,840	3,579	525	59	156	36	192	20.0
282.00	Unincorporated El Dorado County (Remainder Area)	0	1,736	2,156	31	39	103	0	103	16.8
283.00	Shingle Springs	0	15,673	3,655	1,992	0	0	161	161	97.3
284.00	Shingle Springs	0	1,598	1,098	292	25	65	25	90	17.8
285.00	Unincorporated El Dorado County (Remainder Area)	0	5,014	1,448	856	12	26	66	92	54.3
286.00	Unincorporated El Dorado County (Remainder Area)	0	1,781	2,321	29	36	95	0	95	18.7
287.00	Unincorporated El Dorado County (Remainder Area)	0	1,716	2,185	28	34	88	0	88	19.6
288.00	Unincorporated El Dorado County (Remainder Area)	0	2,633	3,332	45	51	135	0	135	19.5
289.00	Unincorporated El Dorado County (Remainder Area)	0	359	513	4	8	23	0	23	15.4
290.00	Unincorporated El Dorado County (Remainder Area)	0	2,421	3,230	37	44	129	0	129	18.8
291.00	Unincorporated El Dorado County (Remainder Area)	0	9,880	12,836	182	188	463	0	463	21.3
292.00	Unincorporated El Dorado County (Remainder Area)	0	4,657	6,479	65	72	210	0	210	22.1
293.00	Unincorporated El Dorado County (Remainder Area)	0	1,225	1,268	32	34	77	0	77	15.8
294.00	Unincorporated El Dorado County (Remainder Area)	0	3,993	4,589	94	97	247	0	247	16.2
295.00	Unincorporated El Dorado County (Remainder Area)	0	146,400	5,014	26,191	110	284	1,491	1,775	82.5
296.00	El Dorado Diamond Springs	0	9,536	6,649	833	117	305	56	361	26.4

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297.00	Unincorporated El Dorado County (Remainder Area)	0	2,418	3,117	56	70	182	0	182	13.3
298.00	Unincorporated El Dorado County (Remainder Area)	0	3,273	3,766	74	79	206	0	206	15.9
299.00	Unincorporated El Dorado County (Remainder Area)	0	5,042	5,994	106	106	268	0	268	18.8
300.00	Unincorporated El Dorado County (Remainder Area)	0	1,186	1,371	26	28	71	0	71	16.7
301.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	1	2	0	2	0.1
302.00	Unincorporated El Dorado County (Remainder Area)	0	3,987	2,469	498	57	130	33	163	24.5
303.00	El Dorado Diamond Springs	0	3,449	3,625	89	106	231	0	231	14.9
304.00	El Dorado Diamond Springs	0	6,307	375	2,349	12	27	224	251	25.1
305.00	El Dorado Diamond Springs	0	7,571	0	3,129	1	2	283	285	26.5
306.00	El Dorado Diamond Springs	0	1,620	369	623	10	22	55	77	21.1
307.00	El Dorado Diamond Springs	0	620	490	38	16	36	2	38	16.3
308.00	El Dorado Diamond Springs	0	272	269	15	11	25	1	26	10.5
309.00	El Dorado Diamond Springs	0	531	427	52	14	32	4	36	14.8
310.00	El Dorado Diamond Springs	0	4,129	780	1,282	26	59	122	181	22.8
311.00	El Dorado Diamond Springs	0	8,541	1,178	2,106	38	87	158	245	34.9
312.00	El Dorado Diamond Springs	0	863	875	48	31	70	3	73	11.8
313.00	El Dorado Diamond Springs	0	23,504	4,228	6,909	38	99	506	605	38.9
314.00	El Dorado Diamond Springs	0	2,958	3,035	153	81	206	8	214	13.8
315.00	Outside of County	0	0	0	0	0	0	0	0	-
316.00	El Dorado Diamond Springs	0	340	340	9	13	30	0	30	11.5
317.00	El Dorado Diamond Springs	0	205	206	5	8	18	0	18	11.2
318.00	Unincorporated El Dorado County (Remainder Area)	0	4,292	4,598	137	128	326	2	328	13.1
319.00	El Dorado Diamond Springs	0	1,211	1,195	91	38	99	6	105	11.6
320.00	Unincorporated El Dorado County (Remainder Area)	0	5,215	2,252	542	18	44	39	83	62.6
321.00	Unincorporated El Dorado County (Remainder Area)	0	5,262	6,625	103	104	256	0	256	20.5
322.00	Unincorporated El Dorado County (Remainder Area)	0	7,429	7,923	557	153	387	33	420	17.7
323.00	Unincorporated El Dorado County (Remainder Area)	0	2,825	3,413	86	51	129	4	133	21.2
324.00	Unincorporated El Dorado County (Remainder Area)	0	3,621	4,726	62	64	165	0	165	22.0
325.00	Unincorporated El Dorado County (Remainder Area)	0	702	867	14	16	39	0	39	17.8
326.00	Unincorporated El Dorado County (Remainder Area)	0	2,159	2,697	54	49	121	1	122	17.7
327.00	Placerville	0	1,693	1,972	39	40	101	0	101	16.8
328.00	Unincorporated El Dorado County (Remainder Area)	0	844	985	18	19	48	0	48	17.6
329.00	Placerville	0	4,831	5,351	125	139	317	0	317	15.2
330.00	Unincorporated El Dorado County (Remainder Area)	0	2,683	3,066	66	73	184	0	184	14.6
331.00	Unincorporated El Dorado County (Remainder Area)	0	5,802	7,046	117	110	274	0	274	21.2
332.00	Unincorporated El Dorado County (Remainder Area)	0	1,529	1,770	36	47	104	0	104	14.7
333.00	Unincorporated El Dorado County (Remainder Area)	0	4,504	5,593	87	91	226	0	226	20.0
334.00	Unincorporated El Dorado County (Remainder Area)	0	3,811	1,154	1,333	26	58	110	168	22.7
335.00	Unincorporated El Dorado County (Remainder Area)	0	2,998	3,226	125	77	165	5	170	17.6
336.00	Unincorporated El Dorado County (Remainder Area)	0	1,213	1,447	25	30	70	0	70	17.2
337.00	Unincorporated El Dorado County (Remainder Area)	0	9,257	7,579	881	121	302	62	364	25.5
338.00	Unincorporated El Dorado County (Remainder Area)	0	14,020	17,602	374	322	831	14	845	16.6
339.00	Unincorporated El Dorado County (Remainder Area)	0	8,527	12,248	120	188	410	0	410	20.8
340.00	Unincorporated El Dorado County (Remainder Area)	0	6,851	8,476	226	93	205	14	219	31.3
341.00	Unincorporated El Dorado County (Remainder Area)	0	1,483	1,901	87	31	71	8	79	18.8
342.00	Unincorporated El Dorado County (Remainder Area)	0	2,620	3,242	49	48	124	0	124	21.2
343.00	Unincorporated El Dorado County (Remainder Area)	0	3,495	4,085	63	53	116	0	116	30.2
344.00	Unincorporated El Dorado County (Remainder Area)	0	3,772	4,472	68	55	120	0	120	31.4
345.00	Unincorporated El Dorado County (Remainder Area)	0	1,799	1,939	34	29	63	0	63	28.4
346.00	Unincorporated El Dorado County (Remainder Area)	0	1,274	1,391	24	22	49	0	49	25.8
347.00	Unincorporated El Dorado County (Remainder Area)	0	2,921	3,664	49	42	108	0	108	27.0
348.00	Unincorporated El Dorado County (Remainder Area)	0	2,811	2,988	62	49	110	0	110	25.5
349.00	Unincorporated El Dorado County (Remainder Area)	0	6,257	7,928	254	83	191	18	209	29.9
350.00	Unincorporated El Dorado County (Remainder Area)	0	1,173	1,668	17	22	48	0	48	24.4
351.00	Unincorporated El Dorado County (Remainder Area)	0	1,302	1,872	16	23	50	0	50	25.9
352.00	Unincorporated El Dorado County (Remainder Area)	0	1,855	2,615	24	29	63	0	63	29.3
353.00	Unincorporated El Dorado County (Remainder Area)	0	8,998	13,199	100	167	365	1	366	24.6
354.00	Unincorporated El Dorado County (Remainder Area)	0	5,592	3,550	755	53	116	77	193	29.0
355.00	Placerville	1	14,292	6,415	2,967	241	550	244	794	18.0
356.00	Placerville	1	2,482	2,595	74	91	195	0	195	12.7
357.00	Unincorporated El Dorado County (Remainder Area)	0	4,882	3,756	372	89	209	21	230	21.2
358.00	Placerville	0	5,866	2,882	1,199	81	190	98	288	20.4
359.00	Unincorporated El Dorado County (Remainder Area)	0	4,259	5,006	94	105	254	0	254	16.8
360.00	Unincorporated El Dorado County (Remainder Area)	0	5,330	5,715	242	98	237	10	247	21.6
361.00	Placerville	1	17,685	10,033	4,191	458	938	392	1,330	13.3
362.00	Placerville	1	46,473	5,786	11,028	252	591	876	1,467	31.7
363.00	Unincorporated El Dorado County (Remainder Area)	0	325	335	9	13	31	0	31	10.5
364.00	Placerville	0	4,019	3,457	417	138	328	30	358	11.2
365.00	El Dorado Diamond Springs	0	10,857	8,496	1,049	322	722	71	793	13.7
366.00	El Dorado Diamond Springs	0	379	270	43	15	31	4	35	10.8
367.00	El Dorado Diamond Springs	0	4,051	0	1,963	0	0	197	197	20.6
368.00	El Dorado Diamond Springs	0	1,577	1,697	48	68	149	0	149	10.6
369.00	El Dorado Diamond Springs	0	5,644	5,649	284	228	507	13	520	10.9
370.00	El Dorado Diamond Springs	0	6,435	0	3,039	0	0	303	303	21.2

VMT Summary by Jurisdiction - 2018 Baseline Scenario (Plus Project - Mitigation) With 22,000 SF Commercial Retail and VMVSP With 25,000 SF Commercial Shift to Commercial Retail in VMVSP

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
371.00	El Dorado Diamond Springs	0	736	784	17	21	47	0	47	15.8
372.00	El Dorado Diamond Springs	0	16,930	7,783	2,405	195	433	211	644	26.3
373.00	El Dorado Diamond Springs	0	651	633	19	26	59	0	59	11.1
374.00	El Dorado Diamond Springs	0	413	323	29	13	28	2	30	13.5
375.00	El Dorado Diamond Springs	0	366	362	10	14	32	0	32	11.6
376.00	El Dorado Diamond Springs	0	966	917	57	34	77	3	80	12.1
377.00	El Dorado Diamond Springs	0	562	324	157	13	29	14	43	12.9
378.00	El Dorado Diamond Springs	0	663	639	19	27	59	0	59	11.2
379.00	El Dorado Diamond Springs	0	1,094	1,092	31	48	105	0	105	10.4
380.00	El Dorado Diamond Springs	0	255	241	7	12	26	0	26	9.7
381.00	El Dorado Diamond Springs	0	157	140	5	7	15	0	15	10.3
382.00	El Dorado Diamond Springs	0	260	234	8	11	24	0	24	10.8
383.00	Unincorporated El Dorado County (Remainder Area)	0	1,583	1,714	40	46	102	0	102	15.5
384.00	El Dorado Diamond Springs	0	3,629	3,903	95	120	267	0	267	13.6
385.00	El Dorado Diamond Springs	0	11,632	13,427	336	451	1,002	0	1,002	11.6
386.00	El Dorado Diamond Springs	0	2,637	2,871	67	90	200	0	200	13.2
387.00	El Dorado Diamond Springs	0	1,168	913	107	36	80	8	88	13.3
388.00	El Dorado Diamond Springs	0	6,361	0	3,069	0	0	303	303	21.0
389.00	El Dorado Diamond Springs	0	6,132	11	2,619	2	4	264	268	22.8
390.00	El Dorado Diamond Springs	0	4,292	3,828	359	182	379	23	402	10.7
391.00	El Dorado Diamond Springs	0	2,185	193	548	11	23	54	77	28.4
392.00	El Dorado Diamond Springs	0	668	588	23	28	58	0	58	11.4
393.00	El Dorado Diamond Springs	0	8,982	6,230	1,004	268	605	68	673	13.3
394.00	El Dorado Diamond Springs	0	185	197	5	8	22	0	22	8.5
395.00	Placerville	1	62,487	1,549	26,151	74	166	2,253	2,419	25.8
396.00	El Dorado Diamond Springs	0	28,338	0	5,837	0	0	439	439	64.6
397.00	El Dorado Diamond Springs	0	1,324	1,239	69	50	114	3	117	11.3
398.00	El Dorado Diamond Springs	0	412	316	38	14	32	3	35	11.9
399.00	El Dorado Diamond Springs	0	1,120	1,111	32	43	97	0	97	11.5
400.00	El Dorado Diamond Springs	0	312	257	11	16	33	0	33	9.4
401.00	Placerville	0	9,040	642	2,636	28	63	213	276	32.8
402.00	El Dorado Diamond Springs	0	3,526	1,414	1,077	51	133	106	239	14.8
403.00	El Dorado Diamond Springs	0	23,978	3,666	7,785	124	258	654	912	26.3
404.00	El Dorado Diamond Springs	0	1,340	400	459	19	42	49	91	14.8
405.00	El Dorado Diamond Springs	0	168	146	5	9	20	0	20	8.5
406.00	El Dorado Diamond Springs	0	19,092	541	3,784	24	53	286	339	56.4
407.00	El Dorado Diamond Springs	0	9,587	20	3,383	1	2	309	311	30.8
408.00	El Dorado Diamond Springs	0	4,171	22	1,743	1	2	182	184	22.7
409.00	Placerville	0	18,766	2,959	5,663	104	248	445	693	27.1
410.00	El Dorado Diamond Springs	0	24,428	14,358	3,615	426	1,031	277	1,308	18.7
411.00	Placerville	1	50,896	5,991	13,395	298	712	1,271	1,983	25.7
412.00	Unincorporated El Dorado County (Remainder Area)	0	2,948	3,139	79	86	206	0	206	14.3
413.00	Placerville	0	3,585	3,707	103	126	301	0	301	11.9
414.00	El Dorado Diamond Springs	0	2,617	127	1,183	7	15	120	135	19.4
415.00	Unincorporated El Dorado County (Remainder Area)	0	432	434	12	18	40	0	40	10.7
416.00	El Dorado Diamond Springs	0	147	142	4	9	19	0	19	7.8
417.00	Placerville	1	9,747	1,071	2,886	45	114	278	392	24.9
418.00	Placerville	1	3,204	0	678	0	0	64	64	50.1
419.00	Placerville	1	3,314	0	852	0	0	85	85	39.0
420.00	Placerville	1	1,753	932	502	42	100	52	152	11.5
421.00	Placerville	1	1,649	1,535	98	68	163	5	168	9.8
422.00	Placerville	1	53,116	6,250	24,894	278	652	1,907	2,559	20.8
423.00	Unincorporated El Dorado County (Remainder Area)	0	456	469	12	20	48	0	48	9.5
424.00	Placerville	0	10,224	4,730	2,532	171	391	228	619	16.5
425.00	Placerville	0	53,235	31,874	5,993	1,167	2,617	563	3,180	16.7
426.00	Placerville	0	851	968	19	33	82	0	82	10.4
427.00	Unincorporated El Dorado County (Remainder Area)	0	3,936	4,467	93	93	232	0	232	17.0
428.00	Unincorporated El Dorado County (Remainder Area)	0	638	724	15	22	55	0	55	11.6
429.00	Unincorporated El Dorado County (Remainder Area)	0	1,301	1,624	35	35	83	0	83	15.8
430.00	Unincorporated El Dorado County (Remainder Area)	0	2,514	2,427	179	58	137	10	147	17.1
431.00	Placerville	1	1,794	460	660	22	45	60	105	17.1
432.00	Unincorporated El Dorado County (Remainder Area)	0	15,226	10,290	2,721	309	729	229	958	15.9
433.00	Placerville	1	10,362	9,415	712	481	1,041	36	1,077	9.6
434.00	Placerville	1	670	572	23	33	71	0	71	9.5
435.00	Placerville	1	1,185	630	245	36	77	27	104	11.4
436.00	Unincorporated El Dorado County (Remainder Area)	0	962	1,129	20	25	62	0	62	15.4
437.00	Unincorporated El Dorado County (Remainder Area)	0	5,340	5,564	250	117	287	12	299	17.9
438.00	Unincorporated El Dorado County (Remainder Area)	0	5,561	5,181	235	124	278	11	289	19.2
439.00	Unincorporated El Dorado County (Remainder Area)	0	5,389	6,213	173	156	350	3	353	15.3
440.00	Unincorporated El Dorado County (Remainder Area)	0	1,391	1,084	179	28	63	15	78	17.9
441.00	Placerville	1	360	368	9	12	29	0	29	12.5
442.00	Placerville	1	13,079	10,450	1,046	313	768	69	837	15.6
443.00	Unincorporated El Dorado County (Remainder Area)	0	1,453	1,542	37	38	85	0	85	17.1
444.00	Unincorporated El Dorado County (Remainder Area)	0	198	215	5	8	19	0	19	10.3

VMT Summary by Jurisdiction - 2018 Baseline Scenario (Plus Project - Mitigation) With 22,000 SF Commercial Retail and VMVSP With 25,000 SF Commercial Shift to Commercial Retail in VMVSP

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445.00	Placerville	0	1,036	881	152	23	56	11	67	15.4
446.00	Placerville	1	1,764	831	250	25	59	19	78	22.7
447.00	Unincorporated El Dorado County (Remainder Area)	0	3,222	3,898	68	76	189	0	189	17.0
448.00	Placerville	0	1,787	2,049	75	53	130	4	134	13.3
449.00	Unincorporated El Dorado County (Remainder Area)	0	539	564	14	14	30	0	30	18.0
450.00	Unincorporated El Dorado County (Remainder Area)	0	3,253	2,624	396	84	180	31	211	15.4
451.00	Unincorporated El Dorado County (Remainder Area)	0	975	1,016	26	27	58	0	58	16.9
452.00	Placerville	0	6,373	4,043	505	121	259	33	292	21.8
453.00	Placerville	1	2,893	3,008	122	145	310	1	311	9.3
454.00	Unincorporated El Dorado County (Remainder Area)	0	564	531	18	25	54	0	54	10.5
455.00	Unincorporated El Dorado County (Remainder Area)	0	2,696	3,006	67	73	172	0	172	15.7
456.00	Unincorporated El Dorado County (Remainder Area)	0	1,870	2,025	49	51	109	0	109	17.1
457.00	Unincorporated El Dorado County (Remainder Area)	0	2,794	3,013	131	62	137	5	142	19.7
458.00	Placerville	0	2,923	2,547	347	67	157	26	183	16.0
459.00	Placerville	0	307	345	7	11	26	0	26	11.9
460.00	Unincorporated El Dorado County (Remainder Area)	0	1,454	949	267	22	47	20	67	21.7
461.00	Unincorporated El Dorado County (Remainder Area)	0	1,568	218	624	6	14	59	73	21.5
462.00	Unincorporated El Dorado County (Remainder Area)	0	5,246	1,256	1,775	31	66	125	191	27.4
463.00	Unincorporated El Dorado County (Remainder Area)	0	4,433	7,189	40	85	194	0	194	22.8
464.00	Unincorporated El Dorado County (Remainder Area)	0	2,509	3,274	40	47	104	0	104	24.2
465.00	Unincorporated El Dorado County (Remainder Area)	0	3,932	5,656	116	58	134	16	150	26.3
466.00	Unincorporated El Dorado County (Remainder Area)	0	3,520	4,368	204	61	139	22	161	21.8
467.00	Unincorporated El Dorado County (Remainder Area)	0	2,477	3,825	24	39	89	0	89	27.8
468.00	Unincorporated El Dorado County (Remainder Area)	0	6,734	9,674	126	120	277	6	283	23.8
469.00	Unincorporated El Dorado County (Remainder Area)	0	4,071	5,637	138	59	131	15	146	27.9
470.00	Unincorporated El Dorado County (Remainder Area)	0	2,021	3,054	27	32	73	1	74	27.3
471.00	Unincorporated El Dorado County (Remainder Area)	0	1,469	2,024	54	23	53	6	59	25.1
472.00	Unincorporated El Dorado County (Remainder Area)	0	1,944	2,277	149	26	59	20	79	24.5
473.00	Unincorporated El Dorado County (Remainder Area)	0	601	568	30	10	23	2	25	24.0
474.00	Unincorporated El Dorado County (Remainder Area)	0	1,678	2,143	29	37	81	0	81	20.8
475.00	Unincorporated El Dorado County (Remainder Area)	0	1,783	2,351	28	38	83	0	83	21.5
476.00	Unincorporated El Dorado County (Remainder Area)	0	855	1,109	13	16	41	0	41	20.7
477.00	Unincorporated El Dorado County (Remainder Area)	0	2,024	2,531	126	30	69	15	84	24.1
478.00	Unincorporated El Dorado County (Remainder Area)	0	1,468	1,885	24	30	66	0	66	22.3
479.00	Unincorporated El Dorado County (Remainder Area)	0	4,054	3,100	446	51	118	37	155	26.2
480.00	Unincorporated El Dorado County (Remainder Area)	0	1,293	1,987	13	20	46	0	46	28.3
481.00	Unincorporated El Dorado County (Remainder Area)	0	1,332	2,019	15	20	44	0	44	30.3
482.00	Unincorporated El Dorado County (Remainder Area)	0	5,619	7,904	93	74	163	3	166	33.9
483.00	Unincorporated El Dorado County (Remainder Area)	0	4,393	5,143	176	115	249	9	258	17.1
484.00	Unincorporated El Dorado County (Remainder Area)	0	6,715	5,539	959	91	227	114	341	19.7
485.00	Unincorporated El Dorado County (Remainder Area)	0	1,055	1,511	11	15	37	0	37	28.2
486.00	Unincorporated El Dorado County (Remainder Area)	0	4,045	5,838	48	69	156	0	156	26.0
487.00	Unincorporated El Dorado County (Remainder Area)	0	11,768	11,135	748	221	519	36	555	21.2
488.00	Unincorporated El Dorado County (Remainder Area)	0	5,477	7,447	87	107	242	0	242	22.7
489.00	Unincorporated El Dorado County (Remainder Area)	0	6,830	6,938	670	133	300	58	358	19.1
490.00	Unincorporated El Dorado County (Remainder Area)	0	1,166	1,506	20	24	60	0	60	19.5
491.00	Unincorporated El Dorado County (Remainder Area)	0	7,331	8,966	179	160	399	3	402	18.2
492.00	Unincorporated El Dorado County (Remainder Area)	0	5,035	4,397	415	71	176	31	207	24.3
493.00	Unincorporated El Dorado County (Remainder Area)	0	5,115	4,522	375	72	178	26	204	25.0
494.00	Unincorporated El Dorado County (Remainder Area)	0	3,232	3,895	140	68	170	10	180	18.0
495.00	Unincorporated El Dorado County (Remainder Area)	0	648	836	11	16	40	0	40	16.2
496.00	Unincorporated El Dorado County (Remainder Area)	0	7,350	4,470	843	81	201	67	268	27.5
497.00	Unincorporated El Dorado County (Remainder Area)	0	4,283	5,619	102	88	224	3	227	18.8
498.00	Unincorporated El Dorado County (Remainder Area)	0	3,412	4,393	106	70	158	6	164	20.8
499.00	Unincorporated El Dorado County (Remainder Area)	0	1,325	1,755	22	30	75	0	75	17.7
500.00	Unincorporated El Dorado County (Remainder Area)	0	4,177	1,383	612	11	26	51	77	54.4
501.00	Unincorporated El Dorado County (Remainder Area)	0	2,803	996	780	22	49	83	132	21.3
502.00	Unincorporated El Dorado County (Remainder Area)	0	6,974	7,570	357	117	272	18	290	24.0
503.00	Unincorporated El Dorado County (Remainder Area)	0	4,192	0	1,024	1	2	76	78	53.6
504.00	Unincorporated El Dorado County (Remainder Area)	0	6,050	6,374	348	141	313	19	332	18.2
505.00	Unincorporated El Dorado County (Remainder Area)	0	74	85	1	3	7	0	7	11.0
506.00	Unincorporated El Dorado County (Remainder Area)	0	1,017	1,220	22	28	62	0	62	16.4
507.00	Unincorporated El Dorado County (Remainder Area)	0	2,732	2,332	398	50	116	37	153	17.8
508.00	Unincorporated El Dorado County (Remainder Area)	0	6,672	3,430	1,867	85	184	186	370	18.0
509.00	Unincorporated El Dorado County (Remainder Area)	0	389	418	22	12	27	2	29	13.6
510.00	Unincorporated El Dorado County (Remainder Area)	0	3,203	3,428	160	92	199	10	209	15.3
511.00	Unincorporated El Dorado County (Remainder Area)	0	2,728	1,843	365	45	105	33	138	19.8
512.00	Unincorporated El Dorado County (Remainder Area)	0	2,827	1,943	372	37	86	27	113	25.0
513.00	Unincorporated El Dorado County (Remainder Area)	0	7,362	10,607	85	142	354	0	354	20.8
514.00	Unincorporated El Dorado County (Remainder Area)	0	31,659	46,477	316	622	1,551	0	1,551	20.4
515.00	Unincorporated El Dorado County (Remainder Area)	0	3,572	4,708	107	69	176	8	184	19.4
516.00	Unincorporated El Dorado County (Remainder Area)	0	8,067	11,662	88	142	362	0	362	22.3
517.00	Unincorporated El Dorado County (Remainder Area)	0	18,793	20,815	1,133	388	857	101	958	19.6
518.00	Unincorporated El Dorado County (Remainder Area)	0	11,779	15,423	312	289	671	17	688	17.1

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519.00	Unincorporated El Dorado County (Remainder Area)	0	5,810	7,670	194	142	330	12	342	17.0
520.00	Unincorporated El Dorado County (Remainder Area)	0	11,806	15,818	273	266	617	12	629	18.8
521.00	Unincorporated El Dorado County (Remainder Area)	0	10,719	12,811	591	290	641	60	701	15.3
522.00	Unincorporated El Dorado County (Remainder Area)	0	5,041	7,105	65	85	221	0	221	22.8
523.00	Unincorporated El Dorado County (Remainder Area)	0	16,341	10,078	1,948	240	588	206	794	20.6
524.00	Unincorporated El Dorado County (Remainder Area)	0	15,052	12,773	1,133	205	490	103	593	25.4
525.00	Unincorporated El Dorado County (Remainder Area)	0	4,871	7,123	45	85	199	0	199	24.4
526.00	Unincorporated El Dorado County (Remainder Area)	0	246	336	3	5	12	0	12	20.2
527.00	Unincorporated El Dorado County (Remainder Area)	0	7,668	9,308	368	162	380	38	418	18.3
528.00	Unincorporated El Dorado County (Remainder Area)	0	59,681	84,008	818	1,001	2,429	72	2,501	23.9
529.00	Unincorporated El Dorado County (Remainder Area)	0	915	1,143	13	15	36	0	36	25.2
530.00	Unincorporated El Dorado County (Remainder Area)	0	12,898	17,268	197	191	462	0	462	27.9
531.00	Unincorporated El Dorado County (Remainder Area)	0	2,528	3,391	36	34	82	0	82	30.8
532.00	Unincorporated El Dorado County (Remainder Area)	0	3,992	5,134	61	61	147	0	147	27.1
533.00	Unincorporated El Dorado County (Remainder Area)	0	9,327	8,548	662	105	271	34	305	30.6
534.00	Unincorporated El Dorado County (Remainder Area)	0	3,782	4,940	54	53	128	0	128	29.5
535.00	Unincorporated El Dorado County (Remainder Area)	0	5,915	7,759	76	91	221	0	221	26.7
536.00	Unincorporated El Dorado County (Remainder Area)	0	5,069	6,533	66	82	200	0	200	25.4
537.00	Unincorporated El Dorado County (Remainder Area)	0	10,359	14,062	109	165	402	0	402	25.8
538.00	Unincorporated El Dorado County (Remainder Area)	0	3,968	3,024	312	44	107	22	129	30.8
539.00	Unincorporated El Dorado County (Remainder Area)	0	13,183	1,382	2,132	6	15	166	181	73.0
540.00	Unincorporated El Dorado County (Remainder Area)	0	2,873	0	588	0	0	53	53	54.2
541.00	Unincorporated El Dorado County (Remainder Area)	0	1,044	1,106	63	18	42	6	48	21.7
542.00	Unincorporated El Dorado County (Remainder Area)	0	3,589	3,037	420	52	123	37	160	22.4
543.00	Unincorporated El Dorado County (Remainder Area)	0	10,576	2,400	1,795	49	114	107	221	47.7
544.00	Unincorporated El Dorado County (Remainder Area)	0	677	490	105	9	21	8	29	23.3
545.00	Unincorporated El Dorado County (Remainder Area)	0	1,520	2,037	17	23	54	0	54	28.3
546.00	Unincorporated El Dorado County (Remainder Area)	0	4,812	6,416	55	61	143	0	143	33.8
547.00	Unincorporated El Dorado County (Remainder Area)	0	4,041	518	493	10	23	46	69	58.3
548.00	Unincorporated El Dorado County (Remainder Area)	0	17,333	22,961	475	386	910	22	932	18.6
549.00	Unincorporated El Dorado County (Remainder Area)	0	2,148	2,685	39	42	99	0	99	21.7
550.00	Unincorporated El Dorado County (Remainder Area)	0	263	342	4	7	18	0	18	14.6
551.00	Unincorporated El Dorado County (Remainder Area)	0	5,420	2,488	791	41	105	54	159	34.0
552.00	Unincorporated El Dorado County (Remainder Area)	0	2,444	417	507	8	19	32	51	48.2
553.00	Unincorporated El Dorado County (Remainder Area)	0	1,554	2,024	27	32	75	0	75	20.8
554.00	Unincorporated El Dorado County (Remainder Area)	0	4,004	5,156	107	83	194	4	198	20.2
555.00	Unincorporated El Dorado County (Remainder Area)	0	1,636	2,199	24	34	80	0	80	20.3
556.00	Unincorporated El Dorado County (Remainder Area)	0	5,057	6,898	67	82	192	0	192	26.4
557.00	Unincorporated El Dorado County (Remainder Area)	0	1,687	2,073	32	35	82	1	83	20.4
558.00	Unincorporated El Dorado County (Remainder Area)	0	2,713	2,974	167	36	84	19	103	26.2
559.00	Unincorporated El Dorado County (Remainder Area)	0	1,366	1,807	18	25	59	0	59	23.3
560.00	Unincorporated El Dorado County (Remainder Area)	0	1,593	1,645	102	27	63	10	73	21.8
561.00	Unincorporated El Dorado County (Remainder Area)	0	1,171	1,554	18	22	52	0	52	22.5
562.00	Unincorporated El Dorado County (Remainder Area)	0	4,009	5,880	40	62	145	0	145	27.6
563.00	Unincorporated El Dorado County (Remainder Area)	0	2,196	3,331	17	32	71	0	71	31.1
564.00	Unincorporated El Dorado County (Remainder Area)	0	614	818	10	14	33	0	33	18.3
565.00	Unincorporated El Dorado County (Remainder Area)	0	2,602	3,604	39	56	129	0	129	20.1
566.00	Unincorporated El Dorado County (Remainder Area)	0	3,959	5,292	71	93	220	1	221	17.9
567.00	Unincorporated El Dorado County (Remainder Area)	0	662	795	26	18	42	2	44	15.2
568.00	Unincorporated El Dorado County (Remainder Area)	0	918	1,228	15	26	62	0	62	14.9
569.00	Unincorporated El Dorado County (Remainder Area)	0	3,685	2,781	303	61	144	31	175	21.0
570.00	Unincorporated El Dorado County (Remainder Area)	0	4,799	2,122	788	40	92	92	184	26.0
571.00	Unincorporated El Dorado County (Remainder Area)	0	1,355	1,804	22	33	76	0	76	17.8
572.00	Unincorporated El Dorado County (Remainder Area)	0	1,856	1,347	267	25	61	34	95	19.5
573.00	Unincorporated El Dorado County (Remainder Area)	0	6,513	7,814	123	89	197	2	199	32.8
574.00	Unincorporated El Dorado County (Remainder Area)	0	5,016	7,926	31	71	174	0	174	28.8
575.00	Unincorporated El Dorado County (Remainder Area)	0	2,766	4,088	16	29	71	0	71	38.9
576.00	Unincorporated El Dorado County (Remainder Area)	0	1,084	1,521	17	19	42	1	43	25.2
577.00	Unincorporated El Dorado County (Remainder Area)	0	743	1,099	7	13	29	0	29	25.9
578.00	Unincorporated El Dorado County (Remainder Area)	0	23,385	37,047	107	370	817	0	817	28.6
579.00	Unincorporated El Dorado County (Remainder Area)	0	3,780	5,247	102	38	96	12	108	34.9
580.00	Unincorporated El Dorado County (Remainder Area)	0	2,876	4,103	63	35	89	5	94	30.7
581.00	Unincorporated El Dorado County (Remainder Area)	0	4,267	5,070	296	43	95	32	127	33.7
582.00	Unincorporated El Dorado County (Remainder Area)	0	1,260	1,701	17	13	34	0	34	37.3
583.00	Unincorporated El Dorado County (Remainder Area)	0	27,573	42,969	216	352	774	10	784	35.2
584.00	Unincorporated El Dorado County (Remainder Area)	0	1,744	2,090	56	18	40	3	43	40.9
585.00	Unincorporated El Dorado County (Remainder Area)	0	9,548	14,293	79	124	273	0	273	35.0
586.00	Unincorporated El Dorado County (Remainder Area)	0	5,843	2,476	1,583	51	91	92	183	32.0
587.00	Unincorporated El Dorado County (Remainder Area)	0	2,262	3,376	18	39	99	0	99	22.8
588.00	Unincorporated El Dorado County (Remainder Area)	0	19,627	29,856	128	323	805	0	805	24.4
589.00	Unincorporated El Dorado County (Remainder Area)	0	392	624	2	3	12	0	12	32.7
590.00	Unincorporated El Dorado County (Remainder Area)	0	820	1,119	12	18	46	0	46	18.0
591.00	Unincorporated El Dorado County (Remainder Area)	0	85	120	1	3	8	0	8	11.2
592.00	Unincorporated El Dorado County (Remainder Area)	0	12,584	12,918	752	339	749	91	840	15.0

VMT Summary by Jurisdiction - 2018 Baseline Scenario (Plus Project - Mitigation) With 22,000 SF Commercial Retail and VMVSP With 25,000 SF Commercial Shift to Commercial Retail in VMVSP

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
593.00	Unincorporated El Dorado County (Remainder Area)	0	6,838	8,872	269	151	382	28	410	16.7
594.00	Unincorporated El Dorado County (Remainder Area)	0	16,763	24,382	185	312	790	5	795	21.1
595.00	Unincorporated El Dorado County (Remainder Area)	0	1,928	1,795	269	25	56	31	87	22.0
596.00	Unincorporated El Dorado County (Remainder Area)	0	2,818	2,737	224	34	85	25	110	25.7
597.00	Unincorporated El Dorado County (Remainder Area)	0	11,032	3,918	1,949	106	234	278	512	21.5
598.00	Unincorporated El Dorado County (Remainder Area)	0	1,723	530	264	14	31	35	66	26.1
599.00	Unincorporated El Dorado County (Remainder Area)	0	701	945	11	17	38	0	38	18.7
600.00	Unincorporated El Dorado County (Remainder Area)	0	11,169	10,812	1,289	205	453	130	583	19.2
601.00	Unincorporated El Dorado County (Remainder Area)	0	1,333	1,887	4	10	22	0	22	60.6
602.00	Unincorporated El Dorado County (Remainder Area)	0	435	135	54	3	5	2	7	59.3
603.00	Unincorporated El Dorado County (Remainder Area)	0	904	717	85	11	20	2	22	41.9
604.00	Unincorporated El Dorado County (Remainder Area)	0	1,414	1,762	111	17	33	3	36	39.2
605.00	Unincorporated El Dorado County (Remainder Area)	0	1,671	1,765	88	18	38	2	40	41.8
606.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
607.00	Unincorporated El Dorado County (Remainder Area)	0	3,522	4,825	12	19	49	0	49	71.3
608.00	Unincorporated El Dorado County (Remainder Area)	0	6	0	0	1	2	0	2	2.9
609.00	Unincorporated El Dorado County (Remainder Area)	0	3,015	3,142	119	34	72	4	76	39.8
610.00	El Dorado Hills	0	38,091	185	19,672	0	0	1,745	1,745	21.8
611.00	El Dorado Hills	0	313	0	10	153	0	1	1	312.6
612.00	El Dorado Hills	0	78,638	0	43,353	0	0	3,121	3,121	25.2
613.00	Unincorporated El Dorado County (Remainder Area)	0	69	66	1	2	5	0	5	13.4
614.00	El Dorado Hills	0	5,960	7,157	111	150	383	0	383	15.6
615.00	El Dorado Hills	0	11,975	8,988	994	150	402	75	477	25.1
616.00	El Dorado Hills	0	1,371	1,655	24	37	94	0	94	14.6
617.00	El Dorado Hills	0	20,351	12,728	1,207	187	547	118	665	30.6
618.00	El Dorado Hills	0	3,056	0	1,208	0	0	146	146	20.9
619.00	El Dorado Hills	0	3,367	0	1,222	0	0	151	151	22.3
620.00	El Dorado Hills	0	17,487	3,499	1,729	0	0	188	188	93.0
621.00	El Dorado Hills	0	14,221	18,798	219	327	957	0	957	14.9
622.00	El Dorado Hills	0	21,934	21,663	1,599	370	1,083	147	1,230	17.8
623.00	Unincorporated El Dorado County (Remainder Area)	0	389	0	175	0	0	16	16	24.3
624.00	El Dorado Hills	0	15,630	17,691	1,143	308	905	96	1,001	15.6
625.00	El Dorado Hills	0	846	0	402	0	0	40	40	21.1
626.00	Unincorporated El Dorado County (Remainder Area)	0	7,904	7,328	843	164	383	98	481	16.4
627.00	Unincorporated El Dorado County (Remainder Area)	0	51,460	0	10,387	0	0	897	897	57.4
628.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
629.00	Unincorporated El Dorado County (Remainder Area)	0	30,751	0	10,512	0	0	1,595	1,595	19.3
630.00	Unincorporated El Dorado County (Remainder Area)	0	169,528	233,932	1,515	4,036	11,894	0	11,894	14.3
631.00	Unincorporated El Dorado County (Remainder Area)	0	16,859	0	2,297	0	0	250	250	67.4
632.00	Unincorporated El Dorado County (Remainder Area)	0	1,446	1,755	24	37	94	0	94	15.4
633.00	Unincorporated El Dorado County (Remainder Area)	0	6,259	7,526	117	150	379	0	379	16.5
634.00	Unincorporated El Dorado County (Remainder Area)	0	6,536	7,835	118	150	379	0	379	17.2
635.00	Unincorporated El Dorado County (Remainder Area)	0	5,055	6,004	91	113	286	0	286	17.7
636.00	Unincorporated El Dorado County (Remainder Area)	0	4,491	6,216	79	120	322	0	322	14.0
637.00	Unincorporated El Dorado County (Remainder Area)	0	8,091	9,951	137	171	458	0	458	17.6
638.00	Unincorporated El Dorado County (Remainder Area)	0	1,040	1,278	16	23	62	0	62	16.9
639.00	Unincorporated El Dorado County (Remainder Area)	0	2,276	2,835	36	46	123	0	123	18.5
640.00	Unincorporated El Dorado County (Remainder Area)	0	7,725	9,702	124	176	472	0	472	16.4
641.00	Unincorporated El Dorado County (Remainder Area)	0	2,096	2,626	33	46	123	0	123	17.0
642.00	Unincorporated El Dorado County (Remainder Area)	0	28,330	33,585	1,248	637	1,708	93	1,801	15.7
643.00	Unincorporated El Dorado County (Remainder Area)	0	9,622	12,017	159	216	579	0	579	16.6
644.00	Unincorporated El Dorado County (Remainder Area)	0	2,934	3,701	46	76	194	0	194	15.1
645.00	Unincorporated El Dorado County (Remainder Area)	0	21,293	24,720	970	415	1,059	51	1,110	19.2
646.00	Unincorporated El Dorado County (Remainder Area)	0	8,866	11,021	157	192	490	0	490	18.1
647.00	Unincorporated El Dorado County (Remainder Area)	0	1,589	1,900	69	38	97	6	103	15.4
648.00	Unincorporated El Dorado County (Remainder Area)	0	1,819	2,178	46	38	97	2	99	18.4
649.00	Unincorporated El Dorado County (Remainder Area)	0	5,624	3,174	32	38	97	0	97	58.0
650.00	Outside of County	0	3,031,845	1,489,891	479,122	0	0	0	0	-
651.00	Outside of County	0	28,586	14,267	4,354	0	0	0	0	-
652.00	Outside of County	0	0	0	0	0	0	0	0	-
653.00	Outside of County	0	393,664	159,558	52,373	0	0	0	0	-
654.00	Outside of County	0	56,558	9,096	2,959	0	0	0	0	-
655.00	Outside of County	0	271,030	107,323	35,844	0	0	0	0	-
656.00	Outside of County	0	78,139	18,141	8,905	0	0	0	0	-
657.00	Outside of County	0	187,828	8,201	3,931	0	0	0	0	-
658.00	Outside of County	0	0	0	0	0	0	0	0	-
659.00	Outside of County	0	7,627	3,120	1,457	0	0	0	0	-
660.00	Outside of County	0	165,513	82,369	32,946	0	0	0	0	-
661.00	Outside of County	0	157,399	71,108	26,131	0	0	0	0	-
662.00	Outside of County	0	703,559	336,888	121,484	0	0	0	0	-
663.00	Outside of County	0	681,313	226,478	82,028	0	0	0	0	-
664.00	Outside of County	0	350,035	190,088	56,321	0	0	0	0	-
665.00	Outside of County	0	202,521	80,300	31,604	0	0	0	0	-
666.00	Outside of County	0	88,805	45,042	14,628	0	0	0	0	-

VMT Summary by Jurisdiction - 2018 Baseline Scenario (Plus Project - Mitigation) With 22,000 SF Commercial Retail and VMVSP With 25,000 SF Commercial Shift to Commercial Retail in VMVSP

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
667.00	Outside of County	0	0	0	0	0	0	0	0	-
668.00	Outside of County	0	513,078	313,469	0	0	0	0	0	-
669.00	Outside of County	0	0	0	0	0	0	0	0	-
670.00	Outside of County	0	0	0	0	0	0	0	0	-
671.00	Outside of County	0	170,702	95,833	24,366	0	0	0	0	-
672.00	Outside of County	0	33,232	34,259	0	0	0	0	0	-
673.00	Outside of County	0	24,864	14,876	0	0	0	0	0	-
674.00	Outside of County	0	355,390	29,844	0	0	0	0	0	-

2040 Baseline Scenario (Plus Project – Mitigation)

-WITH-

22,000 SF Commercial Retail

-AND-

VMVSP

-WITH-

25,000 SF Commercial Office Shift to Commercial Retail

VMT Summary by Jurisdiction - 2040 Baseline Scenario (Plus Project - Mitigation) With 22,000 SF Commercial Retail and VMVSP With 25,000 SF Commercial Shift to Commercial Retail in VMVSP

	VMT Estimates			VMT Efficiency Metrics			Population Details				
Jurisdiction	Total OD VMT	Home-based PA VMT	Home-based Work PA VMT	Total VMT per Service Population	Home-based VMT per Capita	Home-based Work VMT per Employee	Total Households	Total Population	Total Employment	Total Service Population	Persons Per Household
City of Placerville	406,022	62,588	106,853	24.9	8.2	12.4	3,429	7,658	8,649	16,307	2.23
Unincorporated El Dorado County	5,189,941	3,292,278	682,303	20.6	17.0	11.7	77,128	193,808	58,258	252,066	2.51
629	26,418	0	10,106	16.56		6.3	0	0	1,595	1,595	
630	128,330	171,944	1,588	10.79	14.5		4,036	11,894	0	11,894	2.95
631	15,438	0	2,209	61.75		8.8	0	0	250	250	
				Threshold	14.5	10.2					

VMT Summary by Jurisdiction - 2040 Baseline Scenario (Plus Project - Mitigation) With 22,000 SF Commercial Retail and VMVSP With 25,000 SF Commercial Shift to Commercial Retail in VMVSP

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
1.00	Unincorporated El Dorado County (Remainder Area)	0	5,619	1,750	831	47	99	36	135	41.6
2.00	Unincorporated El Dorado County (Remainder Area)	0	23,149	24,210	885	592	1,338	77	1,415	16.4
3.00	Unincorporated El Dorado County (Remainder Area)	0	5,314	6,569	99	74	180	0	180	29.6
4.00	Unincorporated El Dorado County (Remainder Area)	0	1,063	1,359	17	16	35	0	35	30.6
5.00	Unincorporated El Dorado County (Remainder Area)	0	2,583	3,585	27	33	73	0	73	35.4
6.00	Unincorporated El Dorado County (Remainder Area)	0	13,808	15,880	512	366	847	14	861	16.0
7.00	Unincorporated El Dorado County (Remainder Area)	0	24,179	26,531	1,367	565	1,223	92	1,315	18.4
8.00	Unincorporated El Dorado County (Remainder Area)	0	11,355	572	1,993	15	38	129	167	68.1
9.00	Unincorporated El Dorado County (Remainder Area)	0	25,184	30,489	635	559	1,400	13	1,413	17.8
10.00	Outside of County	0	109,035	88,469	11,322	2,178	5,588	1,056	6,644	16.4
11.00	Outside of County	0	112,830	81,656	13,801	2,148	5,511	1,297	6,808	16.6
12.00	Outside of County	0	59,360	45,468	4,898	1,179	3,234	437	3,671	16.2
13.00	Outside of County	0	34,739	40,329	1,550	906	2,458	99	2,557	13.6
14.00	Outside of County	0	58,699	67,921	1,717	1,511	4,120	78	4,198	14.0
15.00	Outside of County	0	3,064	3,940	60	58	166	0	166	18.5
16.00	Outside of County	0	56,470	21,934	7,594	659	1,614	689	2,303	24.5
17.00	Outside of County	0	160,949	139,596	14,158	2,811	7,160	1,363	8,523	18.9
18.00	Outside of County	0	84,342	95,595	3,656	1,930	4,652	246	4,898	17.2
19.00	Outside of County	0	10,463	5,850	1,100	96	217	103	320	32.7
20.00	Outside of County	0	7,663	141	4,118	2	7	283	290	26.4
21.00	Outside of County	0	26,348	72	13,778	2	4	1,082	1,086	24.3
22.00	Outside of County	0	1,697	10	340	1	1	21	22	77.1
23.00	Outside of County	0	29,390	12,843	3,733	115	322	261	583	50.4
24.00	Outside of County	0	4,210	3,090	142	133	133	0	133	31.7
25.00	Outside of County	0	0	0	0	0	0	0	0	-
26.00	Outside of County	0	109,363	102,128	8,037	2,238	5,070	642	5,712	19.1
27.00	Outside of County	0	8,233	75	3,065	2	5	338	343	24.0
28.00	Outside of County	0	240,681	199,792	17,313	4,828	12,553	1,923	14,476	16.6
29.00	Outside of County	0	8,634	10,957	164	170	486	0	486	17.8
30.00	Outside of County	0	70,797	72,573	5,867	1,194	3,041	368	3,409	20.8
31.00	Outside of County	0	10,406	5,382	607	41	106	44	150	69.2
32.00	Outside of County	0	29,780	38,357	692	692	1,811	21	1,832	16.3
33.00	Outside of County	0	38,328	47,459	1,379	857	2,183	69	2,252	17.0
34.00	Outside of County	0	6,127	5,942	709	69	156	32	188	32.6
35.00	Outside of County	0	30,663	36,922	784	812	2,092	0	2,092	14.7
36.00	Outside of County	0	37,222	44,759	917	910	2,318	0	2,318	16.1
37.00	Outside of County	0	58,766	2,553	22,255	57	142	1,643	1,785	32.9
38.00	Outside of County	0	6,771	3,931	645	57	142	45	187	36.3
39.00	Outside of County	0	17,016	14,585	2,139	514	1,180	181	1,361	12.5
40.00	Outside of County	0	76,236	22,225	16,409	851	1,972	1,905	3,877	19.7
41.00	Outside of County	0	35,559	24,510	7,686	592	1,368	567	1,935	18.4
42.00	Outside of County	0	176,174	96,918	24,964	2,081	5,108	1,911	7,019	25.1
43.00	Outside of County	0	34,492	39,989	981	849	2,170	46	2,216	15.6
44.00	Outside of County	0	110,669	80,473	8,949	1,827	4,654	791	5,445	20.3
45.00	Outside of County	0	72,815	23,205	12,235	846	1,936	1,262	3,198	22.8
46.00	Outside of County	0	5,961	6,447	153	164	375	0	375	15.9
47.00	Outside of County	0	202,833	9,409	81,691	284	681	5,991	6,672	30.4
48.00	Outside of County	0	48,191	42,376	3,787	1,211	3,071	266	3,337	14.4
49.00	Outside of County	0	110,544	585	50,570	18	45	4,248	4,293	25.8
50.00	Outside of County	0	73,361	35,832	22,161	981	2,487	1,736	4,223	17.4
51.00	Outside of County	0	98,469	51,672	15,853	1,710	4,116	1,373	5,489	17.9
52.00	Outside of County	0	30,961	15,289	3,207	279	629	279	908	34.1
53.00	Outside of County	0	78,352	47,418	10,935	1,399	3,606	983	4,589	17.1
54.00	Outside of County	0	60,154	22,281	22,639	494	1,220	1,748	2,968	20.3
55.00	Outside of County	0	77,319	30,093	14,088	639	1,471	1,127	2,598	29.8
56.00	Outside of County	0	35,795	39,877	1,304	872	2,337	56	2,393	15.0
57.00	Outside of County	0	106,146	23,951	46,555	660	1,466	4,152	5,618	18.9
58.00	Outside of County	0	36,142	25,931	4,493	613	1,587	352	1,939	18.6
59.00	Outside of County	0	45,276	88	27,234	2	5	2,191	2,196	20.6
60.00	Outside of County	0	68,231	8,157	31,298	240	512	2,711	3,223	21.2
61.00	Outside of County	0	140,432	86,036	22,840	2,381	5,595	1,810	7,405	19.0
62.00	Outside of County	0	51,949	1,900	24,159	33	110	2,000	2,110	24.6
63.00	Outside of County	0	66,496	5,241	27,525	143	350	2,462	2,812	23.6
64.00	Outside of County	0	129,826	73,017	21,059	2,031	5,053	1,733	6,786	19.1
65.00	Outside of County	0	5,607	6,283	128	127	328	0	328	17.1
66.00	Outside of County	0	37,758	27,937	4,240	887	2,117	331	2,448	15.4
67.00	Outside of County	0	117,763	21,713	39,256	633	1,374	3,381	4,755	24.8
68.00	Outside of County	0	38,780	12,314	10,967	453	946	1,002	1,948	19.9
69.00	Outside of County	0	241,168	68,304	98,023	1,950	5,172	7,364	12,536	19.2
70.00	Outside of County	0	161,748	1,073	98,224	15	38	7,503	7,541	21.4
71.00	Outside of County	0	217,223	129,875	32,375	2,596	6,730	2,417	9,147	23.7
72.00	Outside of County	0	271,795	776	156,928	0	0	10,084	10,084	27.0
73.00	Outside of County	0	96,877	0	61,334	0	0	4,612	4,612	21.0
74.00	Outside of County	0	135,117	17,094	67,234	546	1,335	5,255	6,590	20.5

VMT Summary by Jurisdiction - 2040 Baseline Scenario (Plus Project - Mitigation) With 22,000 SF Commercial Retail and VMVSP With 25,000 SF Commercial Shift to Commercial Retail in VMVSP

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
75.00	Outside of County	0	84,000	61,062	17,199	1,946	4,535	1,072	5,607	15.0
76.00	Outside of County	0	27,819	16,860	3,871	497	1,333	313	1,646	16.9
77.00	Outside of County	0	79,695	40,950	19,565	1,068	2,684	1,384	4,068	19.6
78.00	Outside of County	0	71,038	0	20,561	1	2	1,777	1,779	39.9
79.00	Outside of County	0	76,113	57,714	9,355	1,345	3,258	620	3,878	19.6
80.00	Outside of County	0	33,785	0	16,595	0	0	1,306	1,306	25.9
81.00	Outside of County	0	179,700	0	101,518	0	0	7,809	7,809	23.0
82.00	Outside of County	0	52,607	0	26,223	0	0	2,171	2,171	24.2
83.00	Outside of County	0	51,571	34,512	6,829	590	1,536	460	1,996	25.8
84.00	Outside of County	0	51,859	41,872	4,158	1,305	3,049	306	3,355	15.5
85.00	Outside of County	0	54,948	45,526	4,704	1,261	3,154	354	3,508	15.7
86.00	Outside of County	0	85,373	60,826	8,361	1,996	4,538	681	5,219	16.4
87.00	Outside of County	0	63,634	50,423	7,615	1,845	3,996	613	4,609	13.8
88.00	Outside of County	0	71,353	42,147	8,284	1,184	2,955	696	3,651	19.5
89.00	Outside of County	0	18,797	0	6,106	0	0	455	455	41.3
90.00	Outside of County	0	57,307	2,005	28,519	92	157	2,453	2,610	22.0
91.00	Outside of County	0	99,719	13,473	37,012	389	997	3,846	4,843	20.6
92.00	Outside of County	0	51,065	47,724	2,508	1,234	2,964	133	3,097	16.5
93.00	Outside of County	0	93,459	65,145	18,795	1,374	3,459	1,484	4,943	18.9
94.00	Outside of County	0	1,126	101	461	2	4	41	45	25.0
95.00	Outside of County	0	120,249	0	63,981	0	0	4,542	4,542	26.5
96.00	Outside of County	0	161,641	53,522	54,677	1,026	2,520	3,884	6,404	25.2
97.00	Outside of County	0	57,148	50,722	4,509	1,030	2,624	349	2,973	19.2
98.00	Outside of County	0	84,518	13,355	27,502	375	984	2,705	3,689	22.9
99.00	Outside of County	0	71,453	27,736	23,293	806	1,976	2,391	4,367	16.4
100.00	Outside of County	0	21,404	26,716	445	470	1,178	0	1,178	18.2
101.00	Outside of County	0	54,635	41,259	8,873	869	2,253	822	3,075	17.8
102.00	Outside of County	0	22,219	5,143	6,220	92	237	467	704	31.6
103.00	Outside of County	0	95,914	105,643	4,027	2,474	5,823	281	6,104	15.7
104.00	Outside of County	0	60,361	9,113	13,074	184	451	868	1,319	45.8
105.00	Outside of County	0	40,584	51,727	888	1,011	2,513	10	2,523	16.1
106.00	Outside of County	0	6,846	0	3,199	0	0	283	283	24.2
107.00	Outside of County	0	298,080	40,478	95,557	1,362	3,008	7,445	10,453	28.5
108.00	Outside of County	0	27,212	17,062	5,756	370	988	479	1,467	18.6
109.00	Outside of County	0	16,681	0	7,434	0	0	563	563	29.6
110.00	Outside of County	0	62,448	8,684	28,936	209	495	2,207	2,702	23.1
111.00	Outside of County	0	82,505	7,475	15,471	223	512	1,049	1,561	52.9
112.00	Outside of County	0	134,417	30,599	27,081	763	2,056	2,119	4,175	32.2
113.00	Outside of County	0	53,923	118	23,885	0	0	2,386	2,386	22.6
114.00	Outside of County	0	36,142	29,628	6,458	809	2,141	572	2,713	13.3
115.00	Outside of County	0	153,826	86,611	21,007	1,900	4,875	1,584	6,459	23.8
116.00	Outside of County	0	2,996	0	1,491	0	0	116	116	25.8
117.00	Outside of County	0	52,020	17,407	15,466	327	920	1,448	2,368	22.0
118.00	Outside of County	0	76,879	80,955	3,268	2,338	6,182	191	6,373	12.1
119.00	Outside of County	0	134,162	7,162	62,770	216	540	6,222	6,762	19.8
120.00	Outside of County	0	177,660	0	43,550	0	0	4,669	4,669	38.1
121.00	Outside of County	0	137,831	48,752	19,627	1,513	3,882	1,917	5,799	23.8
122.00	Outside of County	0	56,616	15,079	10,547	533	1,248	1,125	2,373	23.9
123.00	Outside of County	0	28,764	7,066	5,129	200	547	536	1,083	26.6
124.00	Outside of County	0	52,948	48,238	2,816	1,044	2,229	168	2,397	22.1
125.00	Outside of County	0	28,002	10,037	5,608	414	817	583	1,400	20.0
126.00	Outside of County	0	16,221	4,870	2,936	156	342	274	616	26.3
127.00	Outside of County	0	38,721	33,829	2,407	870	1,855	169	2,024	19.1
128.00	Outside of County	0	66,058	47,386	6,866	1,262	2,600	538	3,138	21.0
129.00	Outside of County	0	41,425	43,780	1,847	1,045	2,302	117	2,419	17.1
130.00	Outside of County	0	21,121	9,204	2,699	342	786	298	1,084	19.5
131.00	Outside of County	0	47,552	14,801	11,421	494	1,013	1,272	2,285	20.8
132.00	Outside of County	0	28,012	23,291	2,789	556	1,258	235	1,493	18.8
133.00	Outside of County	0	118,806	58,229	14,637	2,077	5,182	1,628	6,810	17.4
134.00	Outside of County	0	61,497	30,033	18,286	1,074	2,483	1,578	4,061	15.1
135.00	Outside of County	0	50,396	0	27,837	0	0	2,740	2,740	18.4
136.00	Outside of County	0	25,872	27,710	1,380	661	1,688	93	1,781	14.5
137.00	Outside of County	0	112,668	102,964	7,073	2,426	6,986	595	7,581	14.9
138.00	El Dorado Diamond Springs	0	21,903	6,089	4,346	264	577	297	874	25.1
139.00	El Dorado Diamond Springs	0	10,566	1,340	1,713	67	144	156	300	35.2
140.00	El Dorado Diamond Springs	0	57,034	128	10,333	10	22	811	833	68.5
141.00	Unincorporated El Dorado County (Remainder Area)	0	1,501	1,683	28	21	49	0	49	30.5
142.00	Unincorporated El Dorado County (Remainder Area)	0	6,600	6,520	172	156	347	0	347	19.0
143.00	Unincorporated El Dorado County (Remainder Area)	0	4,214	3,322	257	108	240	12	252	16.7
144.00	Unincorporated El Dorado County (Remainder Area)	0	4,029	3,565	344	80	200	21	221	18.2
145.00	Unincorporated El Dorado County (Remainder Area)	0	742	647	25	30	70	0	70	10.6
146.00	El Dorado Diamond Springs	0	6,265	2,342	1,112	114	261	98	359	17.4
147.00	El Dorado Diamond Springs	0	3,733	3,547	132	165	378	0	378	9.9
148.00	Outside of County	0	155,390	185,505	5,454	2,264	5,302	120	5,422	28.7

VMT Summary by Jurisdiction - 2040 Baseline Scenario (Plus Project - Mitigation) With 22,000 SF Commercial Retail and VMVSP With 25,000 SF Commercial Shift to Commercial Retail in VMVSP

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149.00	Shingle Springs	0	16,274	1,793	3,460	53	149	287	436	37.4
150.00	Unincorporated El Dorado County (Remainder Area)	0	6,078	6,930	131	107	254	0	254	24.0
151.00	Unincorporated El Dorado County (Remainder Area)	0	1,346	1,786	19	23	67	0	67	20.2
152.00	Shingle Springs	0	33,441	6,284	5,124	201	488	370	858	39.0
153.00	Unincorporated El Dorado County (Remainder Area)	0	8,564	8,167	247	290	623	0	623	13.7
154.00	Unincorporated El Dorado County (Remainder Area)	0	6,925	7,382	179	254	597	0	597	11.6
155.00	Shingle Springs	0	5,233	5,747	131	154	406	0	406	12.9
156.00	Unincorporated El Dorado County (Remainder Area)	0	2,068	2,342	58	27	68	1	69	30.0
157.00	El Dorado Hills	0	8,756	11,120	165	273	790	0	790	11.1
158.00	Cameron Park	0	17,661	19,387	488	624	1,431	11	1,442	12.2
159.00	Cameron Park	0	15,505	15,081	1,402	446	1,082	114	1,196	13.0
160.00	Shingle Springs	0	18,401	17,043	1,136	504	1,223	70	1,293	14.2
161.00	El Dorado Hills	0	11,097	14,172	188	290	754	0	754	14.7
162.00	El Dorado Hills	0	57,943	78,804	858	1,503	4,465	0	4,465	13.0
163.00	El Dorado Hills	0	36,153	7,666	4,771	165	490	438	928	39.0
164.00	El Dorado Hills	0	60,810	0	31,992	0	0	3,124	3,124	19.5
165.00	El Dorado Hills	0	17,588	20,959	420	551	1,369	0	1,369	12.8
166.00	Outside of County	0	28,963	30,869	1,007	766	1,965	50	2,015	14.4
167.00	El Dorado Hills	0	48,040	46,800	2,332	1,520	3,531	111	3,641	13.2
168.00	El Dorado Hills	0	27,155	30,165	1,068	1,133	2,632	35	2,667	10.2
169.00	El Dorado Hills	0	117,496	5,721	25,291	208	517	2,484	3,001	39.2
170.00	El Dorado Hills	0	46,581	736	23,396	26	65	2,562	2,627	17.7
171.00	El Dorado Hills	0	16,501	16,596	1,053	441	1,081	68	1,148	14.4
172.00	El Dorado Hills	0	9,352	0	1,669	0	0	158	158	59.2
173.00	El Dorado Hills	0	46,007	0	10,976	0	0	1,140	1,140	40.4
174.00	Unincorporated El Dorado County (Remainder Area)	0	3,883	1,501	1,087	15	38	54	92	42.3
175.00	Unincorporated El Dorado County (Remainder Area)	0	2,618	635	486	10	24	22	46	57.3
176.00	Unincorporated El Dorado County (Remainder Area)	0	3,248	3,687	69	58	137	0	137	23.6
177.00	Unincorporated El Dorado County (Remainder Area)	0	11,158	8,684	1,802	147	370	130	500	22.3
178.00	Unincorporated El Dorado County (Remainder Area)	0	4,939	5,695	138	87	223	3	226	21.9
179.00	Unincorporated El Dorado County (Remainder Area)	0	701	908	11	21	55	0	55	12.8
180.00	El Dorado Hills	0	17,185	21,759	298	450	1,155	0	1,155	14.9
181.00	El Dorado Hills	0	6,646	5,369	616	120	315	61	376	17.7
182.00	Cameron Park	0	39,366	49,131	705	1,244	3,262	0	3,262	12.1
183.00	Unincorporated El Dorado County (Remainder Area)	0	10,730	12,440	233	354	832	0	832	12.9
184.00	Cameron Park	0	36,533	16,270	4,011	417	1,093	425	1,518	24.1
185.00	Cameron Park	0	3,876	4,535	77	152	349	0	349	11.1
186.00	Cameron Park	0	46,740	4,819	7,891	170	390	896	1,286	36.4
187.00	Cameron Park	0	10,513	7,446	1,121	247	566	104	670	15.7
188.00	Cameron Park	0	6,545	5,857	558	213	489	49	538	12.2
189.00	Unincorporated El Dorado County (Remainder Area)	0	2,498	3,196	40	36	100	0	100	24.9
190.00	Unincorporated El Dorado County (Remainder Area)	0	10,491	13,408	183	255	712	0	712	14.7
191.00	El Dorado Hills	0	1,446	1,837	24	39	109	0	109	13.3
192.00	El Dorado Hills	0	872	1,098	14	25	69	0	69	12.6
193.00	El Dorado Hills	0	14,269	5,348	3,626	156	406	361	768	18.6
194.00	El Dorado Hills	0	15,146	19,696	266	439	1,297	0	1,297	11.7
195.00	El Dorado Hills	0	9,057	474	2,027	10	26	176	203	44.7
196.00	Outside of County	0	52,659	60,088	1,734	1,148	3,198	97	3,295	16.0
197.00	El Dorado Hills	0	3,212	3,957	56	85	225	0	225	14.3
198.00	El Dorado Hills	0	69,172	39,407	6,110	887	2,476	623	3,099	22.3
199.00	El Dorado Hills	0	11,369	2,898	1,632	62	173	143	316	36.0
200.00	El Dorado Hills	0	6,412	308	1,234	7	19	121	140	46.0
201.00	El Dorado Hills	0	20,691	6,845	2,773	150	443	269	712	29.0
202.00	El Dorado Hills	0	37,671	35,694	2,131	762	2,127	169	2,296	16.4
203.00	El Dorado Hills	0	52,101	66,600	1,130	1,300	3,762	43	3,805	13.7
204.00	El Dorado Hills	0	17,204	16,360	629	362	1,048	48	1,096	15.7
205.00	El Dorado Hills	0	502	0	241	0	0	30	30	16.7
206.00	El Dorado Hills	0	1,643	2,107	28	51	148	0	148	11.1
207.00	El Dorado Hills	0	13,050	16,730	221	304	880	0	880	14.8
208.00	Unincorporated El Dorado County (Remainder Area)	0	328	430	5	9	26	0	26	12.6
209.00	El Dorado Hills	0	11,582	4,488	1,416	88	254	118	372	31.2
210.00	El Dorado Hills	0	6,374	8,192	109	162	479	0	479	13.3
211.00	Unincorporated El Dorado County (Remainder Area)	0	136	179	2	4	11	0	11	12.0
212.00	El Dorado Hills	0	2,423	3,150	39	53	153	0	153	15.8
213.00	Unincorporated El Dorado County (Remainder Area)	0	9,287	11,971	153	193	534	0	534	17.4
214.00	Unincorporated El Dorado County (Remainder Area)	0	2,330	3,350	32	31	76	0	76	30.9
215.00	El Dorado Hills	0	6,842	8,684	122	148	413	0	413	16.6
216.00	Unincorporated El Dorado County (Remainder Area)	0	1,750	2,456	26	23	56	0	56	31.2
217.00	Unincorporated El Dorado County (Remainder Area)	0	593	768	9	11	31	0	31	19.3
218.00	Unincorporated El Dorado County (Remainder Area)	0	1,526	1,912	26	28	78	0	78	19.5
219.00	Unincorporated El Dorado County (Remainder Area)	0	3,948	5,018	68	69	191	0	191	20.7
220.00	Unincorporated El Dorado County (Remainder Area)	0	477	641	6	9	25	0	25	19.2
221.00	El Dorado Hills	0	37,299	48,881	553	999	2,596	0	2,596	14.4
222.00	Cameron Park	0	2,152	1,471	413	34	90	58	148	14.5

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223.00	Cameron Park	0	5,556	7,202	77	174	461	0	461	12.0
224.00	Unincorporated El Dorado County (Remainder Area)	0	8,650	7,500	496	144	382	37	419	20.7
225.00	Unincorporated El Dorado County (Remainder Area)	0	23,155	10,986	2,940	147	424	277	702	33.0
226.00	Cameron Park	0	27,487	27,199	1,213	550	1,591	118	1,709	16.1
227.00	Cameron Park	0	8,753	11,208	203	281	689	10	699	12.5
228.00	Cameron Park	0	20,736	25,571	498	724	1,775	25	1,800	11.5
229.00	El Dorado Hills	0	40,395	34,264	2,186	793	2,061	237	2,298	17.6
230.00	El Dorado Hills	0	22,075	27,369	303	557	1,655	0	1,655	13.3
231.00	Unincorporated El Dorado County (Remainder Area)	0	4,941	6,656	67	134	388	0	388	12.7
232.00	Unincorporated El Dorado County (Remainder Area)	0	4,623	5,998	73	87	241	0	241	19.2
233.00	Cameron Park	0	8,417	3,743	731	116	266	100	366	23.0
234.00	Cameron Park	0	55,369	34,404	4,948	1,085	2,488	670	3,158	17.5
235.00	Cameron Park	0	42,977	55,956	618	1,322	3,580	2	3,582	12.0
236.00	Cameron Park	0	14,820	19,549	254	473	1,281	9	1,290	11.5
237.00	Cameron Park	0	2,259	2,706	42	78	179	0	179	12.6
238.00	Cameron Park	0	39,312	15,547	5,174	415	1,018	527	1,545	25.4
239.00	Cameron Park	0	2,367	3,402	34	86	228	0	228	10.4
240.00	Unincorporated El Dorado County (Remainder Area)	0	6,701	8,522	108	137	363	0	363	18.4
241.00	Cameron Park	0	14,900	7,675	1,252	181	480	151	631	23.6
242.00	Cameron Park	0	707	920	9	24	64	0	64	11.1
243.00	Cameron Park	0	2,041	2,629	32	61	162	1	163	12.5
244.00	Unincorporated El Dorado County (Remainder Area)	0	3,035	3,770	57	51	128	0	128	23.8
245.00	Unincorporated El Dorado County (Remainder Area)	0	788	1,018	11	10	30	0	30	26.3
246.00	Unincorporated El Dorado County (Remainder Area)	0	4,053	5,382	56	63	189	0	189	21.4
247.00	Unincorporated El Dorado County (Remainder Area)	0	13,695	14,392	355	296	636	0	636	21.5
248.00	Unincorporated El Dorado County (Remainder Area)	0	13,366	10,573	939	182	431	39	470	28.4
249.00	Unincorporated El Dorado County (Remainder Area)	0	3,343	1,857	530	26	56	25	81	41.3
250.00	Unincorporated El Dorado County (Remainder Area)	0	2,909	3,348	60	53	124	0	124	23.4
251.00	Unincorporated El Dorado County (Remainder Area)	0	5,679	6,356	134	139	363	0	363	15.6
252.00	Unincorporated El Dorado County (Remainder Area)	0	25,078	29,382	571	666	1,756	0	1,756	14.3
253.00	Unincorporated El Dorado County (Remainder Area)	0	7,631	9,099	157	149	410	0	410	18.6
254.00	Unincorporated El Dorado County (Remainder Area)	0	5,335	6,044	121	119	311	0	311	17.2
255.00	Cameron Park	0	61,904	0	14,161	0	0	1,405	1,405	44.0
256.00	Cameron Park	0	42,726	2,098	10,023	72	175	872	1,047	40.8
257.00	Shingle Springs	0	61,052	15,869	14,176	511	1,335	1,312	2,647	23.1
258.00	Unincorporated El Dorado County (Remainder Area)	0	2,163	2,590	40	36	99	0	99	21.8
259.00	Unincorporated El Dorado County (Remainder Area)	0	2,655	3,182	52	50	132	0	132	20.1
260.00	Shingle Springs	0	26,349	144	5,548	5	15	441	456	57.8
261.00	Shingle Springs	0	26,529	3,674	4,755	121	333	388	721	36.8
262.00	Shingle Springs	0	39,699	5,630	6,393	203	530	514	1,044	38.0
263.00	Shingle Springs	0	9,924	3,899	1,460	121	333	119	452	22.0
264.00	Shingle Springs	0	7,776	3,157	1,036	97	267	82	349	22.3
265.00	Unincorporated El Dorado County (Remainder Area)	0	1,981	2,256	43	44	116	0	116	17.1
266.00	Unincorporated El Dorado County (Remainder Area)	0	6,139	1,666	670	41	88	33	121	50.7
267.00	Unincorporated El Dorado County (Remainder Area)	0	8,739	10,133	219	240	633	0	633	13.8
268.00	Unincorporated El Dorado County (Remainder Area)	0	3,056	3,139	171	72	190	10	200	15.3
269.00	Unincorporated El Dorado County (Remainder Area)	0	13,584	9,352	1,448	217	558	81	639	21.2
270.00	Unincorporated El Dorado County (Remainder Area)	0	6,236	2,666	685	54	135	39	174	35.8
271.00	Unincorporated El Dorado County (Remainder Area)	0	9,940	10,088	735	172	442	50	492	20.2
272.00	Unincorporated El Dorado County (Remainder Area)	0	9,768	6,609	796	145	407	55	462	21.2
273.00	Unincorporated El Dorado County (Remainder Area)	0	7,569	9,074	376	138	400	22	422	17.9
274.00	Unincorporated El Dorado County (Remainder Area)	0	21,606	19,209	1,543	411	1,153	122	1,275	16.9
275.00	Unincorporated El Dorado County (Remainder Area)	0	14,877	17,398	334	379	971	0	971	15.3
276.00	Cameron Park	0	27,961	19,292	2,013	535	1,312	179	1,491	18.8
277.00	Cameron Park	0	4,990	5,940	97	176	427	0	427	11.7
278.00	Unincorporated El Dorado County (Remainder Area)	0	5,811	6,113	215	100	265	10	275	21.1
279.00	Unincorporated El Dorado County (Remainder Area)	0	2,988	3,837	50	55	146	0	146	20.5
280.00	Unincorporated El Dorado County (Remainder Area)	0	1,447	1,710	31	37	103	0	103	14.1
281.00	Unincorporated El Dorado County (Remainder Area)	0	4,891	4,271	421	85	238	28	266	18.4
282.00	Unincorporated El Dorado County (Remainder Area)	0	1,396	1,645	30	39	109	0	109	12.8
283.00	Shingle Springs	0	15,142	3,024	2,177	0	0	197	197	76.9
284.00	Shingle Springs	0	4,211	1,033	643	36	87	53	140	30.0
285.00	Unincorporated El Dorado County (Remainder Area)	0	13,896	2,775	2,920	53	154	233	387	35.9
286.00	Unincorporated El Dorado County (Remainder Area)	0	1,683	2,109	30	36	101	0	101	16.7
287.00	Unincorporated El Dorado County (Remainder Area)	0	1,404	1,708	27	34	87	0	87	16.1
288.00	Unincorporated El Dorado County (Remainder Area)	0	2,197	2,730	40	50	140	0	140	15.7
289.00	Unincorporated El Dorado County (Remainder Area)	0	323	425	5	8	23	0	23	13.9
290.00	Unincorporated El Dorado County (Remainder Area)	0	2,070	2,655	35	44	128	0	128	16.2
291.00	Unincorporated El Dorado County (Remainder Area)	0	12,473	15,799	240	254	647	0	647	19.3
292.00	Unincorporated El Dorado County (Remainder Area)	0	4,373	5,847	64	72	209	0	209	20.9
293.00	Unincorporated El Dorado County (Remainder Area)	0	1,295	1,296	36	41	90	0	90	14.5
294.00	Unincorporated El Dorado County (Remainder Area)	0	4,475	4,700	122	129	321	0	321	14.0
295.00	Unincorporated El Dorado County (Remainder Area)	0	61,718	5,004	22,325	110	282	1,540	1,822	33.9
296.00	El Dorado Diamond Springs	0	51,471	6,705	9,644	188	496	729	1,225	42.0

VMT Summary by Jurisdiction - 2040 Baseline Scenario (Plus Project - Mitigation) With 22,000 SF Commercial Retail and VMVSP With 25,000 SF Commercial Shift to Commercial Retail in VMVSP

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
297.00	Unincorporated El Dorado County (Remainder Area)	0	2,272	2,697	61	79	208	0	208	10.9
298.00	Unincorporated El Dorado County (Remainder Area)	0	2,836	3,103	71	79	208	0	208	13.6
299.00	Unincorporated El Dorado County (Remainder Area)	0	5,009	5,746	112	114	293	0	293	17.1
300.00	Unincorporated El Dorado County (Remainder Area)	0	1,728	1,919	42	45	116	0	116	14.9
301.00	Unincorporated El Dorado County (Remainder Area)	0	625	551	41	20	44	3	47	13.4
302.00	Unincorporated El Dorado County (Remainder Area)	0	3,895	2,620	209	89	194	10	204	19.1
303.00	El Dorado Diamond Springs	0	4,188	2,696	441	106	228	28	255	16.4
304.00	El Dorado Diamond Springs	0	8,268	285	2,648	12	26	269	296	28.0
305.00	El Dorado Diamond Springs	0	10,706	0	4,983	1	2	536	539	19.9
306.00	El Dorado Diamond Springs	0	7,898	3,167	1,352	128	275	110	386	20.5
307.00	El Dorado Diamond Springs	0	2,954	2,815	92	112	257	0	257	11.5
308.00	El Dorado Diamond Springs	0	239	244	6	12	28	0	28	8.7
309.00	El Dorado Diamond Springs	0	810	718	26	34	74	0	74	10.9
310.00	El Dorado Diamond Springs	0	13,798	639	2,513	29	66	220	286	48.2
311.00	El Dorado Diamond Springs	0	3,548	1,728	440	75	164	33	197	18.0
312.00	El Dorado Diamond Springs	0	9,929	6,802	980	310	711	71	782	12.7
313.00	El Dorado Diamond Springs	0	23,664	3,474	7,062	71	178	534	712	33.2
314.00	El Dorado Diamond Springs	0	10,531	2,501	1,461	100	249	103	352	29.9
315.00	Outside of County	0	0	0	0	0	0	0	0	-
316.00	El Dorado Diamond Springs	0	674	641	22	31	68	0	68	10.0
317.00	El Dorado Diamond Springs	0	140	126	4	8	17	0	17	8.0
318.00	Unincorporated El Dorado County (Remainder Area)	0	8,117	4,735	738	182	452	41	493	16.5
319.00	El Dorado Diamond Springs	0	1,396	1,285	45	57	143	0	143	9.8
320.00	Unincorporated El Dorado County (Remainder Area)	0	4,941	1,611	819	19	48	61	109	45.2
321.00	Unincorporated El Dorado County (Remainder Area)	0	5,217	6,146	139	116	295	2	297	17.5
322.00	Unincorporated El Dorado County (Remainder Area)	0	10,697	10,575	576	242	623	26	649	16.5
323.00	Unincorporated El Dorado County (Remainder Area)	0	8,293	3,757	1,853	67	172	139	311	26.6
324.00	Unincorporated El Dorado County (Remainder Area)	0	7,057	3,627	704	73	183	39	222	31.8
325.00	Unincorporated El Dorado County (Remainder Area)	0	718	834	16	20	51	0	51	14.1
326.00	Unincorporated El Dorado County (Remainder Area)	0	2,084	2,462	49	57	145	0	145	14.4
327.00	Placerville	0	3,213	3,496	83	84	210	0	210	15.3
328.00	Unincorporated El Dorado County (Remainder Area)	0	697	791	16	19	48	0	48	14.7
329.00	Placerville	0	4,827	4,839	142	156	360	0	360	13.4
330.00	Unincorporated El Dorado County (Remainder Area)	0	3,486	3,691	95	109	273	0	273	12.8
331.00	Unincorporated El Dorado County (Remainder Area)	0	6,129	6,968	142	130	325	0	325	18.9
332.00	Unincorporated El Dorado County (Remainder Area)	0	1,433	1,517	39	47	105	0	105	13.6
333.00	Unincorporated El Dorado County (Remainder Area)	0	3,936	4,490	89	91	225	0	225	17.5
334.00	Unincorporated El Dorado County (Remainder Area)	0	1,646	995	260	26	58	18	76	21.6
335.00	Unincorporated El Dorado County (Remainder Area)	0	2,805	3,004	74	76	163	0	163	17.2
336.00	Unincorporated El Dorado County (Remainder Area)	0	1,046	1,113	27	30	66	0	66	15.8
337.00	Unincorporated El Dorado County (Remainder Area)	0	10,268	6,046	1,782	124	304	128	432	23.8
338.00	Unincorporated El Dorado County (Remainder Area)	0	13,831	15,649	403	350	900	11	911	15.2
339.00	Unincorporated El Dorado County (Remainder Area)	0	9,232	11,924	147	224	508	0	508	18.2
340.00	Unincorporated El Dorado County (Remainder Area)	0	8,024	5,217	516	95	202	30	232	34.5
341.00	Unincorporated El Dorado County (Remainder Area)	0	1,629	1,543	175	34	75	16	91	18.0
342.00	Unincorporated El Dorado County (Remainder Area)	0	2,382	2,736	50	48	123	0	123	19.3
343.00	Unincorporated El Dorado County (Remainder Area)	0	4,974	5,768	92	78	177	0	177	28.1
344.00	Unincorporated El Dorado County (Remainder Area)	0	5,876	6,950	108	92	208	0	208	28.2
345.00	Unincorporated El Dorado County (Remainder Area)	0	2,018	2,129	40	34	77	0	77	26.2
346.00	Unincorporated El Dorado County (Remainder Area)	0	1,268	1,246	28	23	51	0	51	24.8
347.00	Unincorporated El Dorado County (Remainder Area)	0	2,653	3,134	50	42	108	0	108	24.6
348.00	Unincorporated El Dorado County (Remainder Area)	0	2,517	2,480	59	48	107	0	107	23.6
349.00	Unincorporated El Dorado County (Remainder Area)	0	8,174	4,869	583	94	193	34	227	35.9
350.00	Unincorporated El Dorado County (Remainder Area)	0	986	1,137	18	20	45	0	45	21.8
351.00	Unincorporated El Dorado County (Remainder Area)	0	1,464	1,839	23	31	70	0	70	20.8
352.00	Unincorporated El Dorado County (Remainder Area)	0	2,097	2,681	31	38	86	0	86	24.3
353.00	Unincorporated El Dorado County (Remainder Area)	0	10,651	10,190	520	200	453	43	496	21.5
354.00	Unincorporated El Dorado County (Remainder Area)	0	7,128	4,752	461	68	154	43	197	36.2
355.00	Placerville	1	27,313	5,117	5,008	257	594	387	981	27.8
356.00	Placerville	1	2,714	2,540	92	109	235	0	235	11.6
357.00	Unincorporated El Dorado County (Remainder Area)	0	8,084	4,217	738	133	294	42	336	24.0
358.00	Placerville	0	10,356	3,343	1,652	128	283	123	406	25.5
359.00	Unincorporated El Dorado County (Remainder Area)	0	3,551	3,690	95	105	247	0	247	14.4
360.00	Unincorporated El Dorado County (Remainder Area)	0	4,194	4,555	99	97	228	0	228	18.4
361.00	Placerville	1	27,126	10,006	4,666	570	1,189	370	1,558	17.4
362.00	Placerville	1	47,053	3,833	8,071	194	457	616	1,073	43.9
363.00	Unincorporated El Dorado County (Remainder Area)	0	416	425	12	19	48	0	48	8.6
364.00	Placerville	0	4,541	3,698	419	173	439	28	466	9.7
365.00	El Dorado Diamond Springs	0	24,339	9,310	3,014	541	1,147	223	1,370	17.8
366.00	El Dorado Diamond Springs	0	10,643	1,557	1,653	108	232	146	378	28.2
367.00	El Dorado Diamond Springs	0	7,179	0	3,583	0	0	398	398	18.0
368.00	El Dorado Diamond Springs	0	4,921	1,333	829	68	157	81	238	20.7
369.00	El Dorado Diamond Springs	0	14,239	8,839	1,427	485	1,088	114	1,202	11.8
370.00	El Dorado Diamond Springs	0	6,954	83	2,942	0	0	317	317	22.0

VMT Summary by Jurisdiction - 2040 Baseline Scenario (Plus Project - Mitigation) With 22,000 SF Commercial Retail and VMVSP With 25,000 SF Commercial Shift to Commercial Retail in VMVSP

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371.00	El Dorado Diamond Springs	0	2,151	2,074	61	69	155	0	155	13.9
372.00	El Dorado Diamond Springs	0	28,902	14,169	3,168	559	1,254	296	1,550	18.6
373.00	El Dorado Diamond Springs	0	558	493	18	27	62	0	62	9.0
374.00	El Dorado Diamond Springs	0	1,048	276	117	14	32	10	42	24.8
375.00	El Dorado Diamond Springs	0	362	329	11	15	34	0	34	10.5
376.00	El Dorado Diamond Springs	0	1,494	723	220	34	78	17	95	15.7
377.00	El Dorado Diamond Springs	0	729	320	172	14	32	16	48	15.1
378.00	El Dorado Diamond Springs	0	547	516	16	27	62	0	62	8.8
379.00	El Dorado Diamond Springs	0	943	872	29	48	111	0	111	8.5
380.00	El Dorado Diamond Springs	0	197	185	6	12	28	0	28	7.1
381.00	El Dorado Diamond Springs	0	116	111	3	7	16	0	16	7.2
382.00	El Dorado Diamond Springs	0	222	183	8	11	25	0	25	8.8
383.00	Unincorporated El Dorado County (Remainder Area)	0	2,364	2,392	65	80	179	0	179	13.2
384.00	El Dorado Diamond Springs	0	4,514	4,460	124	174	390	0	390	11.6
385.00	El Dorado Diamond Springs	0	14,300	13,860	545	600	1,346	14	1,360	10.5
386.00	El Dorado Diamond Springs	0	2,242	2,239	60	90	202	0	202	11.1
387.00	El Dorado Diamond Springs	0	3,296	743	475	36	81	44	124	26.5
388.00	El Dorado Diamond Springs	0	5,474	0	2,631	0	0	278	278	19.7
389.00	El Dorado Diamond Springs	0	5,921	18	2,169	2	5	240	245	24.2
390.00	El Dorado Diamond Springs	0	7,366	4,851	742	311	670	54	724	10.2
391.00	El Dorado Diamond Springs	0	6,066	143	978	11	24	92	116	52.3
392.00	El Dorado Diamond Springs	0	1,017	474	89	28	60	5	66	15.5
393.00	El Dorado Diamond Springs	0	25,735	4,747	3,827	281	645	288	932	27.6
394.00	El Dorado Diamond Springs	0	6,156	111	2,067	8	18	168	186	33.1
395.00	Placerville	1	80,351	1,453	29,946	98	206	2,613	2,819	28.5
396.00	El Dorado Diamond Springs	0	30,756	0	5,574	0	0	425	425	72.4
397.00	El Dorado Diamond Springs	0	1,456	902	121	50	109	7	116	12.5
398.00	El Dorado Diamond Springs	0	1,157	265	145	14	32	11	43	26.7
399.00	El Dorado Diamond Springs	0	961	832	33	43	99	0	99	9.7
400.00	El Dorado Diamond Springs	0	7,368	210	1,248	16	35	97	132	56.0
401.00	Placerville	0	26,997	939	4,615	57	121	337	458	59.0
402.00	El Dorado Diamond Springs	0	4,683	2,564	1,039	137	344	103	447	10.5
403.00	El Dorado Diamond Springs	0	31,761	2,638	12,802	124	267	906	1,174	27.1
404.00	El Dorado Diamond Springs	0	1,737	302	337	19	44	32	76	23.0
405.00	El Dorado Diamond Springs	0	1,679	147	253	9	21	21	41	40.5
406.00	El Dorado Diamond Springs	0	26,332	384	4,422	24	55	339	395	66.7
407.00	El Dorado Diamond Springs	0	16,315	553	3,258	39	84	285	369	44.2
408.00	El Dorado Diamond Springs	0	5,535	0	2,389	1	2	279	281	19.7
409.00	Placerville	0	38,093	3,505	8,110	162	410	610	1,019	37.4
410.00	El Dorado Diamond Springs	0	40,504	14,336	5,652	602	1,418	423	1,840	22.0
411.00	Placerville	1	55,754	5,244	11,557	335	793	982	1,775	31.4
412.00	Unincorporated El Dorado County (Remainder Area)	0	3,446	3,295	106	114	271	0	271	12.7
413.00	Placerville	0	4,925	4,570	172	199	472	1	473	10.4
414.00	El Dorado Diamond Springs	0	20,198	92	5,372	7	15	561	576	35.1
415.00	Unincorporated El Dorado County (Remainder Area)	0	438	319	43	18	38	4	42	10.4
416.00	El Dorado Diamond Springs	0	267	128	55	9	19	7	26	10.2
417.00	Placerville	1	23,049	906	4,856	55	124	424	548	42.1
418.00	Placerville	1	5,553	0	1,394	0	0	130	130	42.7
419.00	Placerville	1	6,955	0	1,223	0	0	112	112	62.2
420.00	Placerville	1	5,305	964	1,338	56	132	117	249	21.3
421.00	Placerville	1	2,559	1,454	412	81	191	28	219	11.7
422.00	Placerville	1	67,924	5,172	31,615	303	714	2,392	3,106	21.9
423.00	Unincorporated El Dorado County (Remainder Area)	0	449	389	26	21	49	1	50	9.0
424.00	Placerville	0	25,720	5,346	4,476	252	582	351	934	27.5
425.00	Placerville	0	67,978	28,969	8,195	1,390	3,090	730	3,820	17.8
426.00	Placerville	0	706	721	19	32	80	0	80	8.8
427.00	Unincorporated El Dorado County (Remainder Area)	0	3,817	4,024	102	102	255	0	255	15.0
428.00	Unincorporated El Dorado County (Remainder Area)	0	551	582	14	22	55	0	55	10.0
429.00	Unincorporated El Dorado County (Remainder Area)	0	1,195	1,390	36	35	87	0	87	13.8
430.00	Unincorporated El Dorado County (Remainder Area)	0	3,102	2,001	553	59	146	44	190	16.3
431.00	Placerville	1	13,703	508	2,275	28	59	167	226	60.6
432.00	Unincorporated El Dorado County (Remainder Area)	0	15,653	10,562	3,143	363	900	241	1,140	13.7
433.00	Placerville	1	16,978	9,958	2,297	678	1,398	175	1,572	10.8
434.00	Placerville	1	830	636	31	44	95	0	95	8.8
435.00	Placerville	1	1,294	666	235	47	100	27	127	10.2
436.00	Unincorporated El Dorado County (Remainder Area)	0	1,148	1,167	50	32	79	2	81	14.3
437.00	Unincorporated El Dorado County (Remainder Area)	0	5,361	5,889	133	147	371	0	371	14.5
438.00	Unincorporated El Dorado County (Remainder Area)	0	5,851	4,244	513	143	303	32	335	17.5
439.00	Unincorporated El Dorado County (Remainder Area)	0	9,655	4,643	1,544	169	359	90	449	21.5
440.00	Unincorporated El Dorado County (Remainder Area)	0	5,972	861	1,589	31	66	111	177	33.8
441.00	Placerville	1	399	391	11	15	35	0	35	11.4
442.00	Placerville	1	13,593	9,828	981	350	882	56	939	14.5
443.00	Unincorporated El Dorado County (Remainder Area)	0	1,948	1,874	57	59	125	0	125	15.6
444.00	Unincorporated El Dorado County (Remainder Area)	0	274	178	18	8	19	1	20	13.7

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445.00	Placerville	0	840	784	56	26	65	3	68	12.3
446.00	Placerville	1	4,266	759	704	28	65	53	119	36.0
447.00	Unincorporated El Dorado County (Remainder Area)	0	8,338	3,140	1,587	81	199	116	314	26.5
448.00	Placerville	0	1,804	2,022	52	64	161	0	161	11.2
449.00	Unincorporated El Dorado County (Remainder Area)	0	467	474	12	14	30	0	30	15.5
450.00	Unincorporated El Dorado County (Remainder Area)	0	2,341	2,190	77	84	180	0	180	13.0
451.00	Unincorporated El Dorado County (Remainder Area)	0	896	864	26	27	58	0	58	15.5
452.00	Placerville	0	6,940	3,666	933	150	321	66	387	17.9
453.00	Placerville	1	3,301	3,152	141	182	391	0	391	8.4
454.00	Unincorporated El Dorado County (Remainder Area)	0	544	475	19	28	59	0	59	9.2
455.00	Unincorporated El Dorado County (Remainder Area)	0	2,531	2,648	68	73	181	0	181	14.0
456.00	Unincorporated El Dorado County (Remainder Area)	0	1,777	1,764	51	51	109	0	109	16.2
457.00	Unincorporated El Dorado County (Remainder Area)	0	3,123	2,996	253	68	153	13	166	18.8
458.00	Placerville	0	11,450	1,912	1,847	71	157	130	287	39.9
459.00	Placerville	0	727	697	22	28	62	0	62	11.7
460.00	Unincorporated El Dorado County (Remainder Area)	0	826	790	23	22	47	0	47	17.5
461.00	Unincorporated El Dorado County (Remainder Area)	0	114	127	3	6	13	0	13	8.6
462.00	Unincorporated El Dorado County (Remainder Area)	0	2,618	1,233	408	31	67	24	91	28.9
463.00	Unincorporated El Dorado County (Remainder Area)	0	3,701	5,285	48	89	195	0	195	19.0
464.00	Unincorporated El Dorado County (Remainder Area)	0	2,777	3,385	48	55	129	0	129	21.6
465.00	Unincorporated El Dorado County (Remainder Area)	0	3,701	5,348	33	65	163	0	163	22.7
466.00	Unincorporated El Dorado County (Remainder Area)	0	3,062	3,371	114	65	143	7	150	20.5
467.00	Unincorporated El Dorado County (Remainder Area)	0	2,479	3,479	29	49	107	0	107	23.1
468.00	Unincorporated El Dorado County (Remainder Area)	0	5,794	6,862	97	128	263	0	263	22.0
469.00	Unincorporated El Dorado County (Remainder Area)	0	3,766	5,123	42	70	156	0	156	24.1
470.00	Unincorporated El Dorado County (Remainder Area)	0	1,655	2,130	23	33	72	0	72	22.9
471.00	Unincorporated El Dorado County (Remainder Area)	0	1,202	1,581	17	26	57	0	57	21.1
472.00	Unincorporated El Dorado County (Remainder Area)	0	1,200	1,616	17	26	57	0	57	21.0
473.00	Unincorporated El Dorado County (Remainder Area)	0	1,174	670	225	13	33	25	58	20.4
474.00	Unincorporated El Dorado County (Remainder Area)	0	1,750	2,016	35	42	95	0	95	18.4
475.00	Unincorporated El Dorado County (Remainder Area)	0	1,825	2,169	34	42	95	0	95	19.2
476.00	Unincorporated El Dorado County (Remainder Area)	0	4,034	893	530	16	41	34	75	53.7
477.00	Unincorporated El Dorado County (Remainder Area)	0	1,559	2,159	20	31	78	0	78	20.0
478.00	Unincorporated El Dorado County (Remainder Area)	0	1,219	1,422	24	30	66	0	66	18.4
479.00	Unincorporated El Dorado County (Remainder Area)	0	5,057	3,263	425	62	156	29	185	27.4
480.00	Unincorporated El Dorado County (Remainder Area)	0	1,686	2,428	28	31	68	1	69	24.4
481.00	Unincorporated El Dorado County (Remainder Area)	0	1,349	1,920	18	24	53	0	53	25.4
482.00	Unincorporated El Dorado County (Remainder Area)	0	6,423	8,450	88	102	226	0	226	28.4
483.00	Unincorporated El Dorado County (Remainder Area)	0	9,581	4,632	1,048	132	285	76	361	26.5
484.00	Unincorporated El Dorado County (Remainder Area)	0	8,644	4,771	1,187	104	267	118	384	22.5
485.00	Unincorporated El Dorado County (Remainder Area)	0	2,217	2,973	30	40	103	0	103	21.6
486.00	Unincorporated El Dorado County (Remainder Area)	0	5,259	7,004	76	110	249	0	249	21.1
487.00	Unincorporated El Dorado County (Remainder Area)	0	18,813	8,187	3,090	228	504	184	688	27.3
488.00	Unincorporated El Dorado County (Remainder Area)	0	5,703	7,211	105	125	283	0	283	20.2
489.00	Unincorporated El Dorado County (Remainder Area)	0	7,397	6,551	412	157	355	24	379	19.5
490.00	Unincorporated El Dorado County (Remainder Area)	0	1,513	1,792	31	35	86	0	86	17.6
491.00	Unincorporated El Dorado County (Remainder Area)	0	7,398	8,733	163	181	444	0	444	16.7
492.00	Unincorporated El Dorado County (Remainder Area)	0	8,853	3,410	1,053	76	188	72	259	34.1
493.00	Unincorporated El Dorado County (Remainder Area)	0	9,892	3,605	1,482	79	195	101	296	33.4
494.00	Unincorporated El Dorado County (Remainder Area)	0	6,361	2,971	768	71	174	55	229	27.8
495.00	Unincorporated El Dorado County (Remainder Area)	0	642	745	14	17	42	0	42	15.4
496.00	Unincorporated El Dorado County (Remainder Area)	0	7,216	4,171	718	94	232	52	284	25.4
497.00	Unincorporated El Dorado County (Remainder Area)	0	9,475	4,933	1,018	109	263	75	338	28.0
498.00	Unincorporated El Dorado County (Remainder Area)	0	3,579	3,998	178	78	176	13	189	18.9
499.00	Unincorporated El Dorado County (Remainder Area)	0	1,497	1,815	30	38	93	0	93	16.1
500.00	Unincorporated El Dorado County (Remainder Area)	0	5,355	1,119	1,183	11	24	97	121	44.2
501.00	Unincorporated El Dorado County (Remainder Area)	0	2,239	809	562	22	49	58	107	20.8
502.00	Unincorporated El Dorado County (Remainder Area)	0	7,233	8,848	141	147	349	0	349	20.7
503.00	Unincorporated El Dorado County (Remainder Area)	0	5,128	10	854	1	2	56	58	88.1
504.00	Unincorporated El Dorado County (Remainder Area)	0	13,753	5,017	1,653	140	313	103	416	33.0
505.00	Unincorporated El Dorado County (Remainder Area)	0	80	95	1	3	7	0	7	11.9
506.00	Unincorporated El Dorado County (Remainder Area)	0	996	1,011	35	28	64	1	65	15.4
507.00	Unincorporated El Dorado County (Remainder Area)	0	2,124	2,474	49	61	145	0	145	14.6
508.00	Unincorporated El Dorado County (Remainder Area)	0	4,881	2,835	1,179	85	184	114	298	16.4
509.00	Unincorporated El Dorado County (Remainder Area)	0	2,072	403	661	12	27	77	104	19.9
510.00	Unincorporated El Dorado County (Remainder Area)	0	3,526	2,901	227	92	200	15	215	16.4
511.00	Unincorporated El Dorado County (Remainder Area)	0	1,998	1,557	134	46	109	9	118	16.9
512.00	Unincorporated El Dorado County (Remainder Area)	0	1,906	2,154	44	45	107	0	107	17.8
513.00	Unincorporated El Dorado County (Remainder Area)	0	7,966	10,231	173	178	456	7	463	17.2
514.00	Unincorporated El Dorado County (Remainder Area)	0	31,239	42,674	380	714	1,830	0	1,830	17.1
515.00	Unincorporated El Dorado County (Remainder Area)	0	3,145	4,026	54	78	188	0	188	16.7
516.00	Unincorporated El Dorado County (Remainder Area)	0	7,358	9,911	103	162	391	0	391	18.8
517.00	Unincorporated El Dorado County (Remainder Area)	0	23,445	18,677	1,753	489	1,085	139	1,224	19.2
518.00	Unincorporated El Dorado County (Remainder Area)	0	13,100	12,178	813	325	745	53	799	16.4

VMT Summary by Jurisdiction - 2040 Baseline Scenario (Plus Project - Mitigation) With 22,000 SF Commercial Retail and VMVSP With 25,000 SF Commercial Shift to Commercial Retail in VMVSP

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
519.00	Unincorporated El Dorado County (Remainder Area)	0	7,733	6,116	757	162	371	60	432	17.9
520.00	Unincorporated El Dorado County (Remainder Area)	0	13,927	11,957	1,189	296	678	99	778	17.9
521.00	Unincorporated El Dorado County (Remainder Area)	0	15,948	9,107	1,692	309	686	167	853	18.7
522.00	Unincorporated El Dorado County (Remainder Area)	0	4,801	5,767	169	96	236	9	245	19.6
523.00	Unincorporated El Dorado County (Remainder Area)	0	24,791	9,901	3,179	302	698	272	970	25.6
524.00	Unincorporated El Dorado County (Remainder Area)	0	19,447	8,855	2,576	214	495	207	702	27.7
525.00	Unincorporated El Dorado County (Remainder Area)	0	4,556	5,744	60	97	233	0	233	19.6
526.00	Unincorporated El Dorado County (Remainder Area)	0	3,210	4,024	57	55	142	0	142	22.6
527.00	Unincorporated El Dorado County (Remainder Area)	0	8,790	6,857	854	186	447	71	517	17.0
528.00	Unincorporated El Dorado County (Remainder Area)	0	51,488	63,350	906	1,061	2,556	51	2,607	19.8
529.00	Unincorporated El Dorado County (Remainder Area)	0	1,259	1,214	126	19	46	8	54	23.2
530.00	Unincorporated El Dorado County (Remainder Area)	0	13,316	17,557	226	226	551	0	551	24.2
531.00	Unincorporated El Dorado County (Remainder Area)	0	3,811	4,994	63	59	144	0	144	26.5
532.00	Unincorporated El Dorado County (Remainder Area)	0	3,638	4,553	66	64	156	0	156	23.3
533.00	Unincorporated El Dorado County (Remainder Area)	0	11,695	9,315	1,001	151	367	53	420	27.9
534.00	Unincorporated El Dorado County (Remainder Area)	0	4,277	5,409	72	69	168	0	168	25.4
535.00	Unincorporated El Dorado County (Remainder Area)	0	5,355	6,695	85	95	245	0	245	21.9
536.00	Unincorporated El Dorado County (Remainder Area)	0	5,485	6,921	84	106	273	0	273	20.1
537.00	Unincorporated El Dorado County (Remainder Area)	0	10,922	14,262	141	208	536	0	536	20.4
538.00	Unincorporated El Dorado County (Remainder Area)	0	15,671	7,323	1,871	159	382	137	519	30.2
539.00	Unincorporated El Dorado County (Remainder Area)	0	13,725	1,982	1,939	11	27	142	169	81.2
540.00	Unincorporated El Dorado County (Remainder Area)	0	9,712	0	1,718	0	0	132	132	73.4
541.00	Unincorporated El Dorado County (Remainder Area)	0	2,585	833	305	18	43	24	67	38.4
542.00	Unincorporated El Dorado County (Remainder Area)	0	6,188	2,178	980	55	130	76	206	30.1
543.00	Unincorporated El Dorado County (Remainder Area)	0	32,580	1,666	6,434	50	118	368	486	67.0
544.00	Unincorporated El Dorado County (Remainder Area)	0	2,509	2,664	63	58	137	0	137	18.3
545.00	Unincorporated El Dorado County (Remainder Area)	0	1,418	1,745	21	27	64	0	64	22.2
546.00	Unincorporated El Dorado County (Remainder Area)	0	7,975	9,971	117	131	310	0	310	25.7
547.00	Unincorporated El Dorado County (Remainder Area)	0	4,955	528	771	13	31	64	95	52.3
548.00	Unincorporated El Dorado County (Remainder Area)	0	15,295	17,383	607	405	960	27	987	15.5
549.00	Unincorporated El Dorado County (Remainder Area)	0	2,384	2,744	65	54	128	1	129	18.5
550.00	Unincorporated El Dorado County (Remainder Area)	0	6,387	1,692	1,007	40	100	62	162	39.3
551.00	Unincorporated El Dorado County (Remainder Area)	0	9,032	1,806	1,374	46	115	87	202	44.7
552.00	Unincorporated El Dorado County (Remainder Area)	0	1,064	452	108	11	26	6	32	33.2
553.00	Unincorporated El Dorado County (Remainder Area)	0	1,474	1,724	33	35	83	0	83	17.8
554.00	Unincorporated El Dorado County (Remainder Area)	0	6,743	7,833	192	185	438	5	443	15.2
555.00	Unincorporated El Dorado County (Remainder Area)	0	1,551	1,739	31	39	92	0	92	16.8
556.00	Unincorporated El Dorado County (Remainder Area)	0	4,478	5,401	82	89	211	0	211	21.2
557.00	Unincorporated El Dorado County (Remainder Area)	0	1,810	1,537	218	34	81	20	101	18.0
558.00	Unincorporated El Dorado County (Remainder Area)	0	2,002	2,486	28	40	96	0	96	20.8
559.00	Unincorporated El Dorado County (Remainder Area)	0	1,256	1,449	22	28	67	0	67	18.7
560.00	Unincorporated El Dorado County (Remainder Area)	0	5,927	1,182	1,777	28	66	172	238	24.9
561.00	Unincorporated El Dorado County (Remainder Area)	0	894	1,009	19	23	54	0	54	16.5
562.00	Unincorporated El Dorado County (Remainder Area)	0	3,762	4,640	56	73	175	0	175	21.5
563.00	Unincorporated El Dorado County (Remainder Area)	0	2,088	2,677	25	40	90	0	90	23.2
564.00	Unincorporated El Dorado County (Remainder Area)	0	1,033	1,200	25	27	62	0	62	16.6
565.00	Unincorporated El Dorado County (Remainder Area)	0	2,165	2,294	53	69	143	0	143	15.2
566.00	Unincorporated El Dorado County (Remainder Area)	0	3,915	3,924	142	112	264	5	269	14.5
567.00	Unincorporated El Dorado County (Remainder Area)	0	3,098	682	590	29	60	50	110	28.2
568.00	Unincorporated El Dorado County (Remainder Area)	0	2,957	742	561	26	61	47	108	27.4
569.00	Unincorporated El Dorado County (Remainder Area)	0	7,063	1,958	1,102	72	169	96	265	26.7
570.00	Unincorporated El Dorado County (Remainder Area)	0	8,742	1,160	1,886	53	109	169	278	31.5
571.00	Unincorporated El Dorado County (Remainder Area)	0	1,095	1,112	28	38	79	0	79	13.9
572.00	Unincorporated El Dorado County (Remainder Area)	0	4,778	1,210	981	39	90	89	178	26.8
573.00	Unincorporated El Dorado County (Remainder Area)	0	7,932	9,659	127	126	284	0	284	27.9
574.00	Unincorporated El Dorado County (Remainder Area)	0	4,379	5,534	54	88	204	1	205	21.4
575.00	Unincorporated El Dorado County (Remainder Area)	0	2,790	4,002	22	37	86	0	86	32.6
576.00	Unincorporated El Dorado County (Remainder Area)	0	2,761	847	327	19	43	33	76	36.4
577.00	Unincorporated El Dorado County (Remainder Area)	0	524	626	8	14	32	0	32	16.6
578.00	Unincorporated El Dorado County (Remainder Area)	0	24,974	38,006	126	451	1,016	0	1,016	24.6
579.00	Unincorporated El Dorado County (Remainder Area)	0	2,768	3,983	21	41	96	0	96	28.8
580.00	Unincorporated El Dorado County (Remainder Area)	0	2,440	3,290	26	42	98	0	98	24.8
581.00	Unincorporated El Dorado County (Remainder Area)	0	4,766	6,994	39	66	146	0	146	32.6
582.00	Unincorporated El Dorado County (Remainder Area)	0	13,278	988	1,630	15	37	65	102	130.3
583.00	Unincorporated El Dorado County (Remainder Area)	0	30,813	46,269	295	446	987	15	1,002	30.8
584.00	Unincorporated El Dorado County (Remainder Area)	0	2,119	2,058	108	22	47	6	53	40.0
585.00	Unincorporated El Dorado County (Remainder Area)	0	9,905	14,028	95	148	327	0	327	30.2
586.00	Unincorporated El Dorado County (Remainder Area)	0	3,747	2,832	263	56	105	10	115	32.6
587.00	Unincorporated El Dorado County (Remainder Area)	0	1,937	2,715	23	48	116	0	116	16.7
588.00	Unincorporated El Dorado County (Remainder Area)	0	15,767	22,305	147	348	892	0	892	17.7
589.00	Unincorporated El Dorado County (Remainder Area)	0	238	286	6	8	16	0	16	14.9
590.00	Unincorporated El Dorado County (Remainder Area)	0	810	1,016	14	23	55	0	55	14.8
591.00	Unincorporated El Dorado County (Remainder Area)	0	67	85	1	3	7	0	7	9.3
592.00	Unincorporated El Dorado County (Remainder Area)	0	14,413	9,238	1,305	361	801	146	947	15.2

VMT Summary by Jurisdiction - 2040 Baseline Scenario (Plus Project - Mitigation) With 22,000 SF Commercial Retail and VMVSP With 25,000 SF Commercial Shift to Commercial Retail in VMVSP

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
593.00	Unincorporated El Dorado County (Remainder Area)	0	6,825	5,787	537	155	370	56	426	16.0
594.00	Unincorporated El Dorado County (Remainder Area)	0	11,194	14,818	166	316	754	0	754	14.8
595.00	Unincorporated El Dorado County (Remainder Area)	0	4,063	2,661	255	46	104	27	131	31.0
596.00	Unincorporated El Dorado County (Remainder Area)	0	5,259	3,016	501	59	151	48	199	26.4
597.00	Unincorporated El Dorado County (Remainder Area)	0	12,404	3,014	1,785	122	271	214	485	25.5
598.00	Unincorporated El Dorado County (Remainder Area)	0	8,862	380	1,467	15	33	166	200	44.4
599.00	Unincorporated El Dorado County (Remainder Area)	0	619	753	12	18	40	0	40	15.5
600.00	Unincorporated El Dorado County (Remainder Area)	0	11,410	8,042	1,062	217	481	94	575	19.8
601.00	Unincorporated El Dorado County (Remainder Area)	0	1,335	1,849	5	11	24	0	24	54.9
602.00	Unincorporated El Dorado County (Remainder Area)	0	1,877	115	238	3	6	9	15	128.3
603.00	Unincorporated El Dorado County (Remainder Area)	0	3,610	463	934	12	23	32	55	66.2
604.00	Unincorporated El Dorado County (Remainder Area)	0	3,298	626	455	17	31	13	44	75.3
605.00	Unincorporated El Dorado County (Remainder Area)	0	2,866	916	817	21	46	29	75	38.4
606.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
607.00	Unincorporated El Dorado County (Remainder Area)	0	3,219	4,487	12	19	47	0	47	68.8
608.00	Unincorporated El Dorado County (Remainder Area)	0	30	41	0	1	2	0	2	13.8
609.00	Unincorporated El Dorado County (Remainder Area)	0	9,864	1,512	1,550	37	80	61	141	69.8
610.00	El Dorado Hills	0	60,245	139	27,705	0	0	2,725	2,725	22.1
611.00	El Dorado Hills	0	59,457	35,491	8,708	1,023	2,614	672	3,286	18.1
612.00	El Dorado Hills	0	127,938	1,046	61,687	0	0	5,778	5,778	22.1
613.00	Unincorporated El Dorado County (Remainder Area)	0	119	104	18	4	10	3	13	9.3
614.00	El Dorado Hills	0	6,352	7,558	135	211	550	0	550	11.6
615.00	El Dorado Hills	0	10,591	8,907	716	211	550	60	609	17.4
616.00	El Dorado Hills	0	1,589	1,901	32	53	138	0	138	11.5
617.00	El Dorado Hills	0	13,920	9,788	890	187	553	89	642	21.7
618.00	El Dorado Hills	0	4,647	0	2,097	0	0	265	265	17.6
619.00	El Dorado Hills	0	3,466	0	562	0	0	60	60	57.8
620.00	El Dorado Hills	0	17,345	3,668	1,567	0	0	178	178	97.4
621.00	El Dorado Hills	0	12,642	16,465	216	326	963	0	963	13.1
622.00	El Dorado Hills	0	19,413	18,245	1,109	370	1,094	90	1,184	16.4
623.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
624.00	El Dorado Hills	0	15,269	14,692	669	309	918	54	972	15.7
625.00	El Dorado Hills	0	181	0	104	0	0	12	12	15.1
626.00	Unincorporated El Dorado County (Remainder Area)	0	36,444	5,114	5,372	164	386	554	939	38.8
627.00	Unincorporated El Dorado County (Remainder Area)	0	56,460	0	10,473	0	0	966	966	58.4
628.00	Unincorporated El Dorado County (Remainder Area)	0	19,852	23,745	450	515	1,322	0	1,322	15.0
629.00	Unincorporated El Dorado County (Remainder Area)	0	26,418	0	10,106	0	0	1,595	1,595	16.6
630.00	Unincorporated El Dorado County (Remainder Area)	0	128,330	171,944	1,588	4,036	11,894	0	11,894	10.8
631.00	Unincorporated El Dorado County (Remainder Area)	0	15,438	0	2,209	0	0	250	250	61.8
632.00	Unincorporated El Dorado County (Remainder Area)	0	1,680	2,064	32	53	138	0	138	12.2
633.00	Unincorporated El Dorado County (Remainder Area)	0	7,103	8,581	148	211	550	0	550	12.9
634.00	Unincorporated El Dorado County (Remainder Area)	0	7,444	9,064	150	212	552	0	552	13.5
635.00	Unincorporated El Dorado County (Remainder Area)	0	3,646	4,435	72	106	276	0	276	13.2
636.00	Unincorporated El Dorado County (Remainder Area)	0	6,118	8,419	135	212	556	0	556	11.0
637.00	Unincorporated El Dorado County (Remainder Area)	0	9,565	11,751	187	265	695	0	695	13.8
638.00	Unincorporated El Dorado County (Remainder Area)	0	1,289	1,618	22	36	94	0	94	13.7
639.00	Unincorporated El Dorado County (Remainder Area)	0	2,761	3,380	52	72	189	0	189	14.6
640.00	Unincorporated El Dorado County (Remainder Area)	0	9,625	11,956	182	272	713	0	713	13.5
641.00	Unincorporated El Dorado County (Remainder Area)	0	2,792	3,452	52	72	189	0	189	14.8
642.00	Unincorporated El Dorado County (Remainder Area)	0	36,719	38,845	1,576	926	2,421	96	2,517	14.6
643.00	Unincorporated El Dorado County (Remainder Area)	0	9,384	11,659	179	257	672	0	672	14.0
644.00	Unincorporated El Dorado County (Remainder Area)	0	3,099	3,918	54	90	238	0	238	13.0
645.00	Unincorporated El Dorado County (Remainder Area)	0	21,362	25,224	918	495	1,311	56	1,367	15.6
646.00	Unincorporated El Dorado County (Remainder Area)	0	7,143	8,943	125	180	477	0	477	15.0
647.00	Unincorporated El Dorado County (Remainder Area)	0	1,511	1,896	26	45	119	0	119	12.7
648.00	Unincorporated El Dorado County (Remainder Area)	0	3,899	2,240	513	45	119	42	161	24.2
649.00	Unincorporated El Dorado County (Remainder Area)	0	4,703	2,840	29	45	119	0	119	39.5
650.00	Outside of County	0	2,938,583	1,487,642	500,288	0	0	0	0	-
651.00	Outside of County	0	29,983	17,035	4,135	0	0	0	0	-
652.00	Outside of County	0	0	0	0	0	0	0	0	-
653.00	Outside of County	0	419,512	187,747	51,927	0	0	0	0	-
654.00	Outside of County	0	41,897	9,361	2,431	0	0	0	0	-
655.00	Outside of County	0	353,741	119,674	34,282	0	0	0	0	-
656.00	Outside of County	0	56,610	18,544	7,148	0	0	0	0	-
657.00	Outside of County	0	196,639	9,049	3,618	0	0	0	0	-
658.00	Outside of County	0	0	0	0	0	0	0	0	-
659.00	Outside of County	0	5,765	2,997	940	0	0	0	0	-
660.00	Outside of County	0	182,255	101,230	34,088	0	0	0	0	-
661.00	Outside of County	0	149,206	78,637	24,670	0	0	0	0	-
662.00	Outside of County	0	713,573	372,648	122,772	0	0	0	0	-
663.00	Outside of County	0	736,065	260,623	82,117	0	0	0	0	-
664.00	Outside of County	0	452,908	247,083	66,966	0	0	0	0	-
665.00	Outside of County	0	221,907	97,240	36,346	0	0	0	0	-
666.00	Outside of County	0	102,574	56,559	17,423	0	0	0	0	-

VMT Summary by Jurisdiction - 2040 Baseline Scenario (Plus Project - Mitigation) With 22,000 SF Commercial Retail and VMVSP With 25,000 SF Commercial Shift to Commercial Retail in VMVSP

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employement	Service Population	Total OD VMT per Service Population
667.00	Outside of County	0	0	0	0	0	0	0	0	-
668.00	Outside of County	0	535,949	362,383	0	0	0	0	0	-
669.00	Outside of County	0	0	0	0	0	0	0	0	-
670.00	Outside of County	0	0	0	0	0	0	0	0	-
671.00	Outside of County	0	204,053	110,242	30,933	0	0	0	0	-
672.00	Outside of County	0	38,792	38,879	0	0	0	0	0	-
673.00	Outside of County	0	33,734	16,688	0	0	0	0	0	-
674.00	Outside of County	0	405,446	27,424	0	0	0	0	0	-

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Appendix L

Deer Creek Wastewater Treatment Plan Expansion Project, Mitigation Monitoring Program

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ENV095

DEER CREEK WASTEWATER TREATMENT PLANT EXPANSION PROJECT

Mitigation Monitoring Program

October 13, 1998

Prepared for:
El Dorado Irrigation District

Prepared by:
Environmental Science Associates

ESA Environmental Science Associates

DEER CREEK WASTEWATER TREATMENT PLANT EXPANSION PROJECT

Mitigation Monitoring Program

October 13, 1998

Prepared for:
El Dorado Irrigation District
2890 Mosquito Road
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Prepared by:
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DEER CREEK WASTEWATER TREATMENT PLANT EXPANSION PROJECT EIR

MITIGATION MONITORING PROGRAM

INTRODUCTION

The California Environmental Quality Act (CEQA) (Public Resources Code Section 21000 et seq., as amended by Chapter 1232) requires all state and local agencies to establish monitoring or reporting programs for projects approved by a public agency whenever approval involves the adoption of either a "mitigated negative declaration" or specified environmental findings related to environmental impact reports.

The mitigation monitoring program contained herein is intended to satisfy the requirements of CEQA as they relate to the Final Environmental Impact Report (EIR) for the Deer Creek Wastewater Treatment Plant (WWTP) Expansion Project prepared by the El Dorado Irrigation District (EID). This MMP is intended to be used by EID staff and mitigation monitoring personnel to ensure compliance with mitigation measures during project implementation. Mitigation measures identified in this MMP were developed as part of the EIR process for the proposed project.

The Deer Creek Wastewater Treatment Plant Expansion Project EIR presents a detailed set of mitigation measures that will be implemented throughout the lifetime of the project. Mitigation is defined by CEQA as a measure which:

- Avoids the impact altogether by not taking a certain action or parts of an action.
- Minimizes impacts by limiting the degree or magnitude of the action and its implementation.
- Rectifies the impact by repairing, rehabilitating, or restoring the impacted environment.
- Reduces or eliminates the impact over time by preservation and maintenance operations during the life of the project.
- Compensates for the impact by replacing or providing substitute resources or environments.

The intent of the MMP is to ensure the effective implementation and enforcement of adopted mitigation measures and permit conditions. The MMP will provide for monitoring of construction activities as

necessary, in-the-field identification and resolution of environmental concerns, monitoring of daily operations of the wastewater treatment plant, and proper reporting to EID staff.

COMPLIANCE CHECKLIST

Monitoring and documenting the implementation of mitigation measures will be coordinated by EID. **Table 1** of this report identifies the mitigation measure, the monitoring action for the mitigation measure, the responsible party for the monitoring action, and timing of the monitoring action. EID will be responsible for fully understanding and effectively implementing the mitigation measures contained within the MMP to ensure that identified significant impacts have been avoided or mitigated to a level of less than significant.

FIELD MONITORING OF CONSTRUCTION

During expansion of the wastewater treatment plant, EID's construction inspector will be responsible for field monitoring of mitigation measure compliance. The inspector will report to EID and will be thoroughly familiar with the plans and requirements set forth in the permit conditions and the MMP. In addition, the inspector will be familiar with construction contract requirements, construction schedules, standard construction practices, and mitigation techniques. In order to track the status of mitigation measure implementation, field monitoring activities will be documented on compliance monitoring report worksheets. The time commitment of the inspector will vary depending on the intensity and location of construction. Aided by **Table 1**, the inspector will be responsible for the following activities:

- On- site, day-to-day monitoring of construction activities.
- Reviewing construction plans and equipment staging/access plans to ensure conformance with adopted mitigation measures.
- Ensuring contractor knowledge of and compliance with all appropriate permit conditions and the MMP.
- Evaluating the adequacy of construction impact mitigation measures and proposing improvements to the contractors and EID staff.
- Having the authority to require correction of activities that violate project permit conditions or mitigation measures, or that represent unsafe or dangerous conditions. The inspector shall have the ability and authority to secure compliance with the conditions or standards through the EID General Manager, if necessary.
- Acting in the role of contact for adjacent property owners or any other affected persons who wish to register observations of violations of project permit conditions or mitigation measures, or unsafe or dangerous conditions. Upon receiving any complaints, the inspector shall immediately contact the construction contractor representative. The inspector shall be

responsible for verifying any such observations and for developing any necessary corrective actions in consultation with the construction representative and EID.

- Maintaining prompt and regular communication with EID, other appropriate County agencies, or pertinent resource agencies (i.e., California Department of Fish and Game [CDFG], U.S. Fish and Wildlife Service [USFWS], U.S. Army Corps of Engineers [COE]).

- Obtaining assistance as necessary from technical experts, such as archaeologists, botanists, wildlife biologists, and wetland scientists, in order to develop site- specific procedures for implementing the mitigation measures.

- Maintaining a log of all significant interactions, violations of permit conditions or mitigation measures, and necessary corrective measures.

In the event that resolution of disputes between the public and/or governmental agencies and the project contractors regarding adherence to permit conditions and mitigation measures is not resolved by the inspector, the dispute shall be referred to the EID General Manager for resolution.

MONITORING OF WWTP OPERATIONS

The primary responsibility for carrying out mitigation measures applying to operation of the plant will lie with EID. Appointed staff will be thoroughly familiar with operational procedures and the MMP requirements. Ultimate enforcing responsibilities for corresponding on-going, operational-type mitigation measures lie with, but are not limited to, the Central Valley Regional Water Quality Control Board (RWQCB), El Dorado County Department of Environmental Management, California Department of Fish and Game, and the El Dorado Air Pollution Control District. Aided by **Table 1**, EID's appointed monitor of mitigation measure implementation will be responsible for the following activities:

- Ensuring staff knowledge of and compliance with all appropriate permit conditions and the MMP.

- Should a copper bioavailability study indicate copper-related problems, ensuring sufficient monitoring of addition of measures to reduce copper levels in wastewater prior to discharge.

- As enforced by El Dorado County Department of Environmental Management, continually updating its hazardous materials inventory and Emergency Response Plan and ensuring that EID remains current in staff hazardous materials training.

- Maintaining EID's compliance with the State Health and Safety Code.

- Ensuring updated compliance with the appropriate aquatic life criteria of the pertinent contaminant control regulations as they are developed.

- Coordinating participation in local land use activities and informing area developers of their disclosure responsibilities in regards to odor impacts.

- Coordinating implementation of mitigation measures targeted at noise reduction.
- Ensuring compliance with regulatory agency standards in regards to odor control and development of an odor control plan.
- Maintaining prompt and regular communication with the appropriate County agencies, or pertinent resource agencies (i.e., California Department of Fish and Game, El Dorado Air Pollution Control District, and State Water Resources Control Board).
- Maintaining a log of all significant interactions, violations of permit conditions or mitigation measures, and necessary corrective measures.

TABLE 1
MITIGATION MONITORING PROGRAM

	Mitigation Measure	Implementing Responsibility	Monitoring Responsibility	Timing	Compliance Standards	Verification of Compliance (Initials & Date)
4.3	**HYDROLOGY AND WATER QUALITY**					
4.3.6a	El Dorado Irrigation District (EID) shall prepare a copper bioavailability study to determine the fraction of discharged copper in toxic form. Should the bioavailability study determine there is a significant adverse risk to representative sensitive aquatic species, then EID shall implement mitigation measures to reduce the level of risk to Deer Creek aquatic resources to a level of less than significant. Such mitigation measures could include: ▪ Chemical addition of additives which enhance the complexing of copper in the wastewater treatment train prior to discharge. ▪ Implement an Industrial Pre-Treatment Program targeting the sources of copper within the service area of the Deer Creek WWTP. The program will identify primary sources of copper and means of controlling copper prior to discharge into the sanitary sewer system through any number of best management practices and best available control technologies to be implemented by the individual sources through sanitary sewer discharge permits.	EID	Regional Water Quality Control Board (RWQCB)	As required by NPDES permit.	Acceptance of study by RWQCB.	
4.3.6b	EID shall implement necessary controls at the Deer Creek WWTP to meet the freshwater aquatic life criteria of the pertinent contaminant control regulations as future aquatic life criteria are developed and modified. Future design of the Deer Creek WWTP shall allow accommodation of necessary treatment facilities required to meet foreseeable future effluent discharge criteria.	EID	RWQCB	Ongoing	Compliance with NPDES permit	
4.4	**AIR QUALITY**					
4.4.2a	EID shall require its contractors to demonstrate to the El Dorado APCD their compliance with rule 223- Fugitive Dust of the El Dorado APCD Rules and Regulations Handbook. A fugitive dust prevention and control plan describing the proposed Best Management Practices (BMPs) to be implemented for the control of fugitive dusts throughout the construction phase shall	EID	El Dorado APCD	Prior to construction	Site inspection to verify that measures are being implemented	

TABLE 1
MITIGATION MONITORING PROGRAM (Continued)

	Mitigation Measure	Implementing Responsibility	Monitoring Responsibility	Timing	Compliance Standards	Verification of Compliance (Initials & Date)
	be prepared and reviewed by the APCD prior to initiation of dust creating construction activities, including site grading, excavation, and/or demolition.					
4.4.2b	EID shall require construction contract documents to state that all fuel combustion construction equipment (both stationary and mobile) be tuned for optimal performance during all construction activities. In addition and to the extent possible, EID and its contractors shall implement the following measures: ▪ Retard diesel engine injection timing by two to four degrees. ▪ Use electricity from power poles rather than by temporary gasoline or diesel generators. ▪ Use reformulated, low-emission diesel fuel. ▪ Use catalytic converters on gasoline-powered equipment. ▪ Do not leave inactive construction equipment idling for prolonged periods (i.e., more than two minutes). ▪ Schedule construction activities and material hauls that affect flow to off-peak hours. ▪ Configure construction parking to minimize traffic interference.	EID	EID	Prior to bid	Verification of contract wording	
4.4.2c	EID shall encourage the use of low- emission construction equipment and shall encourage the use of feasible construction employee transportation alternatives such as ridesharing.	EID	EID	Throughout construction	Verify compliance	
4.4.3	Since the impact was found to be less than significant, mitigation is not required. However, the following measures are suggested to reduce energy consumption and any associated emissions connected with the production of energy at off-site power generation facilities. ▪ To the extent reasonably feasible, the District and its contractors shall implement the following measures: ▪ Tree planting in excess of that already required. Retain existing trees to reduce building heating/cooling needs.	EID	EID	Prior to bid and throughout construction	Verify installation and compliance	

TABLE 1
MITIGATION MONITORING PROGRAM (Continued)

	Mitigation Measure	Implementing Responsibility	Monitoring Responsibility	Timing	Compliance Standards	Verification of Compliance (Initials & Date)
	▪ Improve the thermal integrity of buildings, and reduce the thermal load with automated time clocks or occupant sensors. ▪ Use energy-efficient, low-sodium parking lot and street lights. ▪ Install lamps that give the highest light output per watt of electricity consumed. ▪ Control mechanical systems or equipment with time clock or computer systems.					
4.4.4	Since the impact was found to be less than significant, mitigation is not required. However, the following measures are suggested to reduce energy consumption and any associated emissions connected with the production of energy at off-site power generation facilities. To the extent reasonably feasible, the District and its contractors shall implement the following measures: ▪ Tree planting in excess of that already required. Retain existing trees to reduce building heating/cooling needs. ▪ Improve the thermal integrity of buildings, and reduce the thermal load with automated time clocks or occupant sensors. ▪ Use energy-efficient, low-sodium parking lot and street lights. ▪ Install lamps that give the highest light output per watt of electricity consumed. ▪ Control mechanical systems or equipment with time clock or computer systems.	EID	EID	Prior to bid and throughout construction	Verify installation and compliance	
4.4.6a	EID shall design and build facilities that can be retrofitted in the future with odor control mechanisms. Odor control should target the chief odor sources: head works, primary treatment processes, and sludge dewatering facilities. Odor control mechanisms could include, but should not be limited to, the following measures:	EID	EID	During design and construction	Plan review and site inspection to verify that measures are being implemented	

TABLE 1
MITIGATION MONITORING PROGRAM (Continued)

	Mitigation Measure	Implementing Responsibility	Monitoring Responsibility	Timing	Compliance Standards	Verification of Compliance (Initials & Date)
	▪ Sealed and scrubbed headworks, ▪ Chemical treatment of influent prior to entrance at the headworks, and ▪ Enclosed sludge handling areas. Implementation of the odor control mechanisms shall occur, when deemed necessary, in response to odor generation problems or future potential odor complaints.					
4.4.6b	EID shall continue to operate the Deer Creek WWTP in a fashion prohibiting the stockpiling of dewatered sludge in uncontained outdoor open areas.	EID	EID	Ongoing	Site inspection to verify that measures are being implemented	
4.4.6c	EID shall implement an odor complaint monitoring program to gauge the need and timing of additional odor control measures at the treatment plant. Such a monitoring program shall consist of a standard complaint logging procedure, including date, time, and origin of complaint along with a description of the atmospheric conditions present during the time of the complaint. The complaint shall be followed up by an inspection of the treatment plant to determine the source of the nuisance odor and any actions taken to remedy the problem. The complaint log will be maintained on- site for at least five years.	EID	EID	On- going	Verification of implemented odor complaint monitoring program	
4.4.6d	EID shall comply with the direction of the appropriate regulatory agencies regarding odor control.	EID	EID	On- going	Verify compliance	
4.4.6e	EID shall actively participate in land use planning activities in the vicinity of the Deer Creek WWTP and publicly comment on future developments proposed in the vicinity of the treatment plant.	EID	EID	On- going	Verified participation in future land use planning activities	
4.4.6f	EID, as a condition of sewer hook- up and annexation, shall require the applicant of the planned Marble Valley subdivision to notify all prospective owners of the potential for significant odor impacts associated with WWTP operations during individual lot sale proceedings.	EID	EID	Prior to sewer hookup and annexation	Verification of written agreement with said applicant to disclosure of odor impacts	

TABLE 1
MITIGATION MONITORING PROGRAM (Continued)

	Mitigation Measure	Implementing Responsibility	Monitoring Responsibility	Timing	Compliance Standards	Verification of Compliance (Initials & Date)
4.5	**GEOLOGY, SOILS, AND SEISMICITY**					
4.5.2a	Prior to project construction, EID shall require that specific Best Management Practices (BMPs) for erosion control will be implemented throughout the construction phase for all grading and excavation activities until successful surface stabilization has been achieved. Typical BMPs include hydroseeding, goetextiles and mats, and straw bale or sand bag barriers.	EID	EID	Throughout construction	Site inspection to verify that measures are being implemented	
4.5.2b	Minimize elapsed time between excavation and reuse of excavated material on- site and provide adequate stockpile coverage or watering during the entire storage period.	EID	EID	Throughout construction	Site inspection to verify that measures are being implemented	
4.6	**BIOLOGICAL RESOURCES**					
4.6.1a	EID shall retain a qualified wildlife biologist to conduct a survey for nesting raptors (in March or April) at the project site prior to construction activity (i.e., grading). Active raptor nests located within 500 feet of construction activity shall be mapped.	EID	EID	Prior to construction	Verification of monitoring results	
4.6.1b	If active raptor nests are located on or within 500 feet of an active or scheduled construction site, then appropriate buffer zones shall be established in consultation with the CDFG, and construction activities shall be prohibited within this buffer zone until the end of the nesting season (April thorough July) or until the young have fledged. A qualified wildlife biologist shall monitor the nest to determine when the young have fledged and submit weekly reports to the CDFG throughout the nesting season.	EID	California Department of Fish and Game and EID	Prior to construction	Submission of weekly reports to CDFG	
4.6.1c	If necessary, identified nest trees may only be removed prior to the onset of the nesting season (March) or after young have fledged (late July).	EID	EID	Prior to construction	Verify compliance	
4.6.2a	The preferred mitigation for VELB is avoidance as described in the most recent mitigation guidelines for VELB (USFWS, 1996). Avoidance includes, among other requirements, fencing all elderberry shrubs at least 20 feet from the shrub dripline and protection of the area within 100 feet of the shrubs following construction. If all avoidance measures outlined in the mitigation guidelines are followed, no further mitigation is necessary.	EID	US Fish and Wildlife Service and EID	Prior to construction	Site inspection to verify that measures are being implemented/ Submission of VELB mitigation plan to USFWS	

TABLE 1
MITIGATION MONITORING PROGRAM (Continued)

	Mitigation Measure	Implementing Responsibility	Monitoring Responsibility	Timing	Compliance Standards	Verification of Compliance (Initials & Date)
	If the shrub cannot be avoided, a survey of the shrub to be removed should be conducted by a qualified biologist to determine if any VELB exit holes are present. EID should then enter into formal consultation with the USFWS and develop a VELB mitigation plan based on the 1996 guidelines.					
4.6.2b	To ensure protection of the avoided elderberry shrub, highly visible temporary fencing shall be placed at a distance which is at 20 feet from the diameter of the elderberry shrub. This exclusionary fencing shall remain in place until all construction work is complete. At no time during construction may vehicles, wastes, or construction materials be placed inside of the exclusionary fencing. This protective measure shall be included in the construction plan and specifications.	EID	EID	Prior to construction	Site inspection to verify that measures are being implemented	
4.6.3	EID shall retain a qualified wildlife biologist to conduct a survey to identify active yellow warbler and yellow- breasted chat nests within a 350- foot radius of the project site prior to construction activities. This survey may be conducted in conjunction with the raptor nest survey (Mitigation Measure 4.6.2a). If no active nests are found, construction may proceed. In the event that an active yellow warbler or yellow- breasted chat nest are observed on or within 350 feet of an active or scheduled construction site, then appropriate buffer zones shall be established in consultation with the CDFG, and construction activities shall be prohibited within this buffer zone until the end of the nesting season (March to early August) or until the young have fledged. A qualified wildlife biologist shall monitor the nest to determine when the young have fledged and submit weekly reports to the CDFG throughout the nesting season. If necessary, identified nest trees may only be removed prior to the onset of the nesting season (March) or after young have fledged (early August).	EID	California Department of Fish and Game and EID	Prior to construction	Verification of monitoring results	
4.6.7	EID shall include provisions in all construction contracts for the proposed project that prohibit construction employee parking in undesignated areas. In addition, EID shall erect exclusionary fencing between the existing access road and open meadow area located between the effluent channel and Deer Creek to discourage workers from parking in this area.	EID	EID	Throughout construction	Site inspection to verify that measures are being implemented	

TABLE 1
MITIGATION MONITORING PROGRAM (Continued)

	Mitigation Measure	Implementing Responsibility	Monitoring Responsibility	Timing	Compliance Standards	Verification of Compliance (Initials & Date)
4.7	**NOISE**					
4.7.3a	Future project level design of the Deer Creek WWTP to the maximum 10.8-mgd capacity shall incorporate the best available noise attenuating technologies and noise barriers such that a noise level measurement taken 150 feet beyond the Deer Creek WWTP fenceline would not exceed 58 dBA, L_{eq}, a noise level performance standard that can be reasonably assumed to ensure El Dorado County Noise Element nighttime noise standard compliance. Such technologies shall focus on the design of acoustical enclosures for stationary noise sources such as pumps, motors, and blowers; the use of inherently quieter treatment equipment, when available; and the use of soundwalls, if necessary.	EID	EID	On- going	Site inspection to verify that measures are being implemented	
4.7.3b	EID shall evaluate WWTP activities that generate noise and implement policies targeted at reducing noise during these activities. Such an evaluation shall include the review of current noise attenuating practices such as keeping equipment building doors closed at all times.	EID	EID	On- going	Site inspection to verify that measures are being implemented	
4.8	**HAZARDOUS MATERIALS / PUBLIC HEALTH**					
4.8.2a	EID shall continue to update its Deer Creek WWTP hazardous materials inventory and Emergency Response Plan throughout the phased expansion process, thus ensuring that the plan and inventory is accurate and relevant at all times. Updates shall be conducted pursuant to the guidelines provided by EID's administering agency: the El Dorado County Department of Environmental Management. The updated inventory and emergency plans shall be written to comply with the requirements of Section 6.95 of the State Health and Safety Code.	EID	El Dorado County Department of Environmental Management	On- going	Updated Deer Creek WWTP hazardous material inventory and Emergency Response Plan	
4.8.2b	EID shall consult with the El Dorado County Department of Environmental Management during phased expansion to ensure that the Deer Creek WWTP is current with all its responsibilities concerning hazardous materials and their inventory, handling and emergency response training, and complaint with all relevant sections of the State Health and Safety Code.	EID	El Dorado County Department of Environmental Management	On- going	Verify compliance	

TABLE 1
MITIGATION MONITORING PROGRAM (Continued)

	Mitigation Measure	Implementing Responsibility	Monitoring Responsibility	Timing	Compliance Standards	Verification of Compliance (Initials & Date)
4.8.4a	EID shall consult and work with the El Dorado County Department of Environmental Management, the El Dorado County Fire Department, and the Marble Valley Development to design, install, or modify an appropriate site access road that would provide adequate routes for emergency entrance and egress to existing and future proposed (3.6 mgd and 10.8 mgd) Deer Creek WWTP facilities, taking into consideration construction activities. Deer Creek WWTP emergency response plans should be revised accordingly to take advantage of any new or modified access points.	EID	EID	On- going	Development of adequate routes for emergency ingress and egress to facilities	
4.8.4b	EID shall ensure through contract documents, that all contractors and subcontractors are aware and understand their responsibilities in an emergency situation, and that contractors and subcontractors keep all designated evacuation and emergency response routes free of equipment or materials that would hinder or impede a timely emergency response.	EID	EID	On- going	Execution of contract agreements with contractors	
4.9	**AESTHETIC RESOURCES**					
4.9.2a	Additional outdoor light fixtures shall be limited to low- pressure sodium lamps. High- intensity discharge light fixtures, including, but not limited to raw halide, mercury, and high- pressure sodium will be prohibited.	EID	EID	On-going	Site inspection to verify that measures are being implemented	
4.9.2b	Additional outdoor light fixtures will be designed in such a way that no light rays are emitted directly from the fixture at angles above the horizontal plane and sideway light emissions are 20 percent below the horizontal plane. Additional lighting fixtures shall be limited to safety and security purposes.	EID	EID	On- going	Site inspection to verify that measures are being implemented	
4.10	**TRAFFIC AND CIRCULATION**					
4.10.1	EID shall ensure that roadways damaged by the project are returned to pre- project conditions by implementing the following measures: ▪ Prior to construction activities, a pre- project survey of project area roadways shall be performed with El Dorado County officials and private roadway owners to determine existing roadway conditions.	EID	EID, El Dorado County, and private roadway owners	On-going	Site inspection to verify that measures are being implemented	

TABLE 1
MITIGATION MONITORING PROGRAM (Continued)

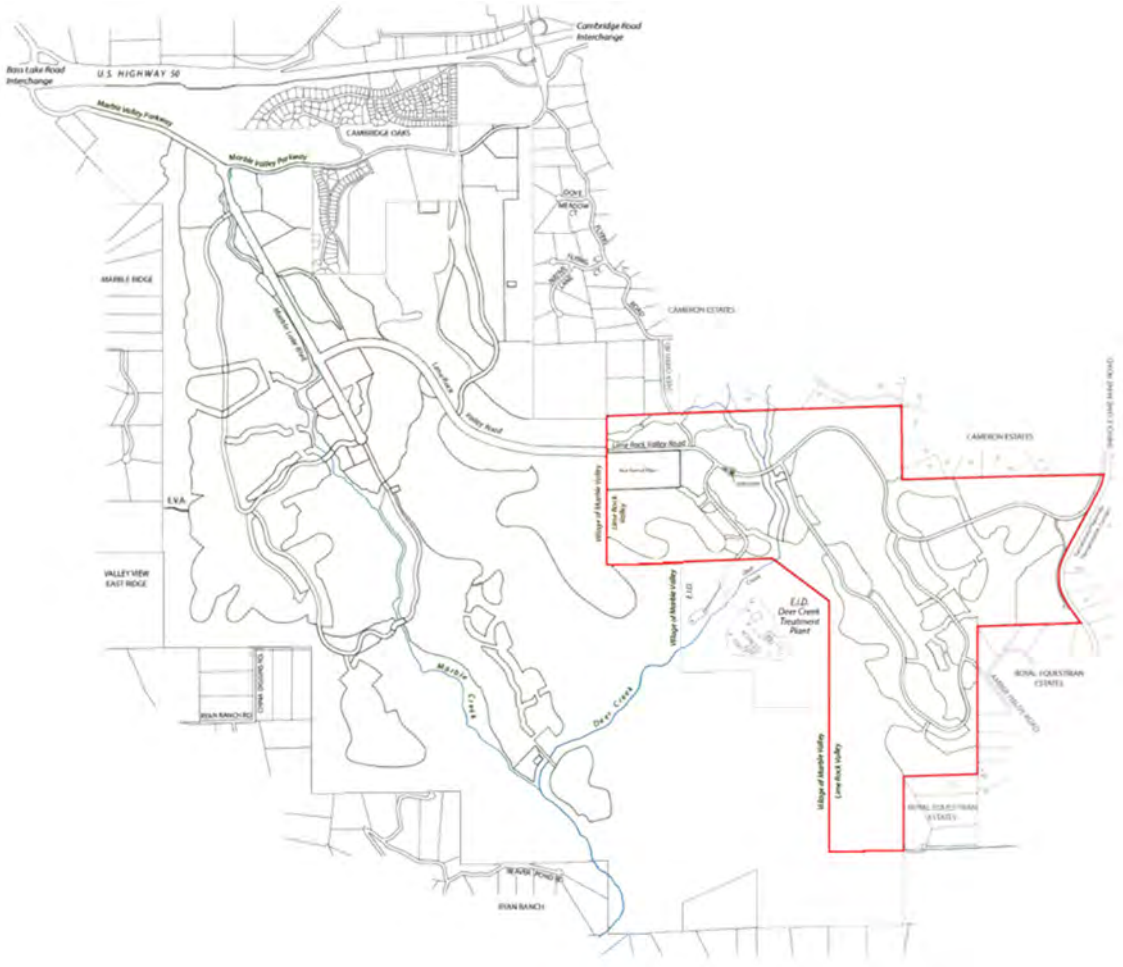
	Mitigation Measure	Implementing Responsibility	Monitoring Responsibility	Timing	Compliance Standards	Verification of Compliance (Initials & Date)
	▪ A post- project survey of project traveled roadways shall be performed with El Dorado County officials and private roadway owners to determine if any damage has occurred from construction activities. If damage has occurred, EID shall be responsible for repairing the damage to the satisfaction of El Dorado County and the private roadway owner.					
4.11	**CULTURAL RESOURCES**					
4.11.1	In the event that any prehistoric or historic subsurface cultural resources are discovered during construction- related earthmoving activities, all work within 50 feet of the resources shall be halted and EID shall consult with a qualified archaeologist to assess the significance of the find. This provision will be included in all construction contracts awarded by EID. If any find is determined to be significant by the qualified archaeologist, then representatives of EID and the qualified archaeologist would meet to determine the appropriate course of action to avoid impacts to the find. If the discovery includes human remains, Section VII of CEQA guidelines Appendix K shall be followed, requiring coordination with the Native American Heritage Commission if the human remains are of Native American origin. In addition, the El Dorado County Coroner shall be contacted. All significant cultural materials recovered shall be subject to scientific analysis, professional museum curation, and a report prepared by the qualified archaeologist according the current professional standards.	EID	EID	Prior to construction	Site inspection to verify that measures are being implemented	

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Appendix M
Wildfire Risk Assessment

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Wildland Fire Evacuation Risk Report
Fire Behavior
Lime Rock Project



Prepared for:
Lime Rock Valley LLC
and

El Dorado County Fire Department

Prepared By:

firesafe ::PLANNING SOLUTIONS

11/01/23

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Executive Summary

A review of the expected fire behavior in the interface of the Lime Rock development indicates that the fire behavior could produce extreme fire behavior, and as such, risk reduction measures will be necessary. Many of these risk reduction measures are required by the State and Local fire/building regulations, fire department standards, and guidelines, and by risk reduction measures already considered and applied by the development review process. Fire behavior modeling predicts that there will be varied timeframes for evacuation of the Project Site under fire scenarios where the fire is burning into the community from an adjacent area. Each scenario has its own set of parameters. Where fires are initialized within the Project Site or near its boundary, the fire incident command and control may have to determine if the population will be moved or "sheltered in place."

The proposed community with its increased built-in fire protection features (defensible space, fuel modification, hardening of the structures and required maintenance), placement of the structures on the topography, overall orientation to the fuels, wind, and slope and nested (safe center) configuration would be a candidate for a "shelter in place" decision. While "shelter in place" is never a first option, history shows us that moving populations, once the fire has arrived, has increased risk, and should not be attempted when safe alternatives exist.

The configuration of the Project Site, the placement of the structures and features on the topography and the nature of the wildland fuels surrounding the project create conditions where the fire will travel at great speeds when wind, slope and fuel align but all of the access points are not impacted by fire at the same time.

The fire behavior static modeling in this report with flame lengths of up to 55' under the worst-case scenario would be protected by compliance with the Fire Department fuel modification/defensible space standards. Fuel modification/defensible space is designed to reduce and change the fuel types as the combustible vegetation gets closer to the structure. As a " rule of thumb," two times the maximum flame length is adequate protection from radiant heat in a hardened structure. These distances also protect from direct flame contact (a distance greater than the flame length by a factor of two) and convected heat (less impactful than the radiant heat distance as discussed previously). The structure hardening (including ember intrusion projection) protects from embers and brands which may travel long distances under worst-case conditions.

The configuration of the Project Site development areas, the increased number of evacuation alternatives and the enhance protection features within the building construction and defensible space of the Project Site creates the conditions necessary to allow the resident to have viable options for all fire scenarios in the event that the community is impacted by a wildland fire. This report will be used as the basis for fire behavior assumptions in the evacuation modeling for the Project Site.

Introduction

The proposed project site is in unincorporated El Dorado County, California, south of U.S. Highway (US) 50, approximately 32 miles northeast of downtown Sacramento and 11 miles west of Placerville. The site comprises a series of sloping hills surrounding the main valley (Lime Rock Valley) and a minor valley associated with the corridor of Deer Creek, a perennial stream that flows from north to south through the property. The elevation of the site ranges from 1,280 feet above mean sea level (MSL) at the northeast corner to 880 feet above MSL where Deer Creek flows out of the property near the El Dorado Irrigation District (EID) Deer Creek Wastewater Treatment Plant (WWTP). The LRVSP provides for a mix of low-density and medium-density residential lots, a village park and open space (including 124 acres of natural open space land for use as a passive, day-use park).

Purpose and Scope of Report

Firesafe Planning Solutions performed an assessment of risks related to wildfires in order to assess the intensity of a wildfire approaching the Project Site. This report provides the results of that assessment and objective hazard and risk assessments which can be used to establish the community risk reduction measures (hazard less reduction measures = risk) that are equal to or greater than the hazards which would be encountered in a worst-case scenario.

The study takes into consideration existing/future vegetative interface fuels, topography, fire , and weather conditions during extreme fire conditions. The report provides results of computer calculations that measured the fire intensity, flame lengths, rate of spread, and fire travel distance (arrival times) from worst-case scenario wildfires in both the extreme (Diablo wind) and the predominant (Onshore wind) wind conditions.

The Fire Hazard Planning Technical Advisory General Plan Technical Advice Series, 2022 Update Finalized – August 2022, Figure 7, Page 31, from the Governor's Office of Planning and Research, provided a visualization of risk vs hazard for wildfires as shown in Figure 1. This report will use this guidance and terminology.

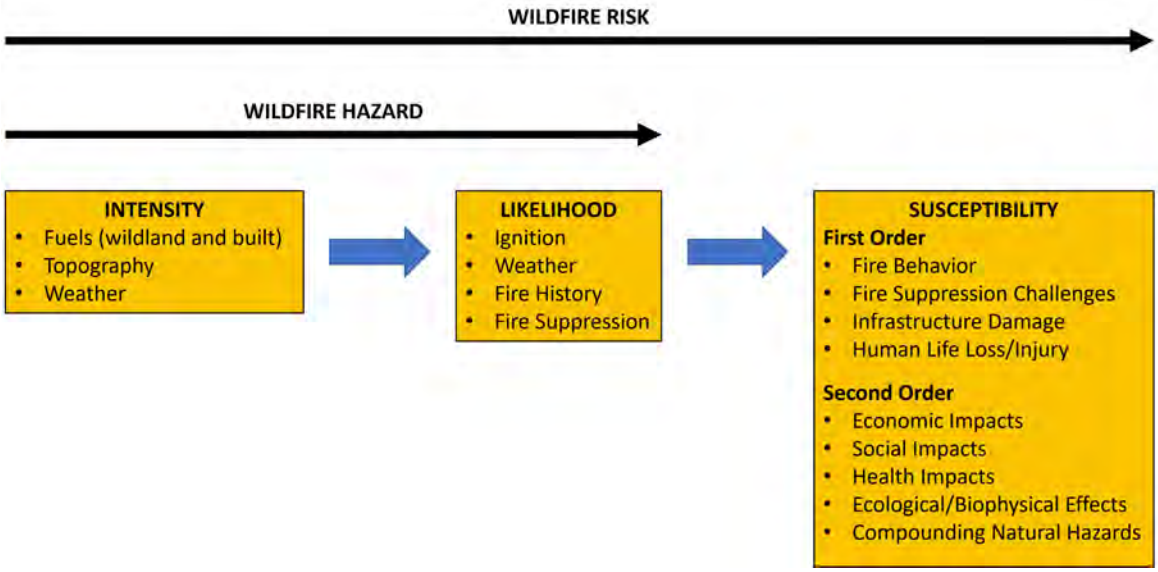


Figure 1 - Visualization of risk vs. hazard for wildfires-

The results of fire behavior calculations have been incorporated into the analysis of the interfaces of the project with adjacent wildlands and the potential ingress/egress routes used by the Project Site on a daily basis and under emergency conditions where evacuation might be possible.

Scope

This document will address the following tasks as outlined in the California Attorney General's "*Best Practices for Analyzing and Mitigating Wildfire Impacts of Development Projects Under the California Environmental Quality Act*" (AG Guidelines):

1. Determination if project impact will substantially impair an adopted emergency response plan or emergency evacuation plan.
2. Determine the project-specific Wildland Fire Hazard and Wildland Fire Risk to quantify issues that may exacerbate wildfire risks and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire;
3. Determine if the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines, or other utilities) may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment;
4. Determine if people or structures will be exposed to significant risks due to the completion of the project; and
5. Consider whether a project will "expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires."

CEQA Appendix G,

Section XX. 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 plan or emergency evacuation plan.

b. Due to slope, prevailing winds, and other factors, exacerbate wildfire risks and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?

c. Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment.

The AG guidelines encompass the CEQA Appendix G, Section XX, subsection a, b, and c requirements, and as this report addresses the AG guidelines, it addresses the Appendix G issues in the same effort. This report will not speak to the Appendix G requirements directly except as it applies to evacuation.

Project Description

The proposed project would be a comprehensive planned residential community totaling approximately 740 acres with a variety of lot sizes and housing types, designed to ensure the preservation of significant historical sites and prominent natural features, including oak woodlands, steep slopes, streams, and wetlands. The proposed project would be a mix of low-density residential and open space uses. Specifically, the project would consist of up to 800 single-family residential units on 358 acres, an 8-acre neighborhood park with recreational amenities, and about 335 acres of public and private open space. The balance of the project area would consist of roads and rights-of-way.

Other features of the proposed project would include a network of pedestrian trails and pathways that would connect and enhance existing and proposed trails in the area, including the El Dorado Trail. The proposed project would require annexation of the LRVSP area into the EID service area for water and wastewater services. The proposed project would also require an amendment to the El Dorado Hills Community Services District (CSD) sphere of influence to include the LRVSP area and annexation of the LRVSP area into the El Dorado Hills CSD service area for parks and recreation.

The LRVSP would rely upon roadway and water infrastructure associated with the Marble Valley Master Plan, which was approved in 1998 (TM95-1298, PD95-0004, DA97-001) and has since expired. The expired Marble Valley Master Plan and tentative map included proposed Lime Rock Valley Road which would have provided access to the project area through the Marble Valley Master Plan area.

As noted previously, there is a new proposed specific plan for the Marble Valley Master Plan area (the VMVSP), which includes the same infrastructure on which the LRVSP would rely. Therefore, Lime Rock Valley Road and water infrastructure would be approved regardless of whether the VMVSP is approved, and these improvements would be in place if the VMVSP or the Marble Valley Master Plan is constructed prior to LRVSP construction. However, the roadway and associated water line are not currently constructed and if the LRVSP is constructed before the VMVSP property, the LRVSP will have to construct these improvements to provide roadway connectivity and water to the LRVSP development.

The proposed project site is in unincorporated El Dorado County, California, south of U.S. Highway (US) 50, approximately 32 miles northeast of downtown Sacramento and 11 miles west of Placerville. The site comprises a series of sloping hills surrounding the main valley (Lime Rock Valley) and a minor valley associated with the corridor of Deer Creek, a perennial stream that flows from north to south through the property.

The elevation of the site ranges from 1,280 feet above mean sea level (MSL) at the northeast corner to 880 feet above MSL where Deer Creek flows out of the property near the El Dorado Irrigation District (EID) Deer Creek Wastewater Treatment Plant (WWTP). The LRVSP provides for a mix of low-density and medium-density residential lots, a village park and open space (including 124 acres of natural open space land for use as a passive, day-use park).

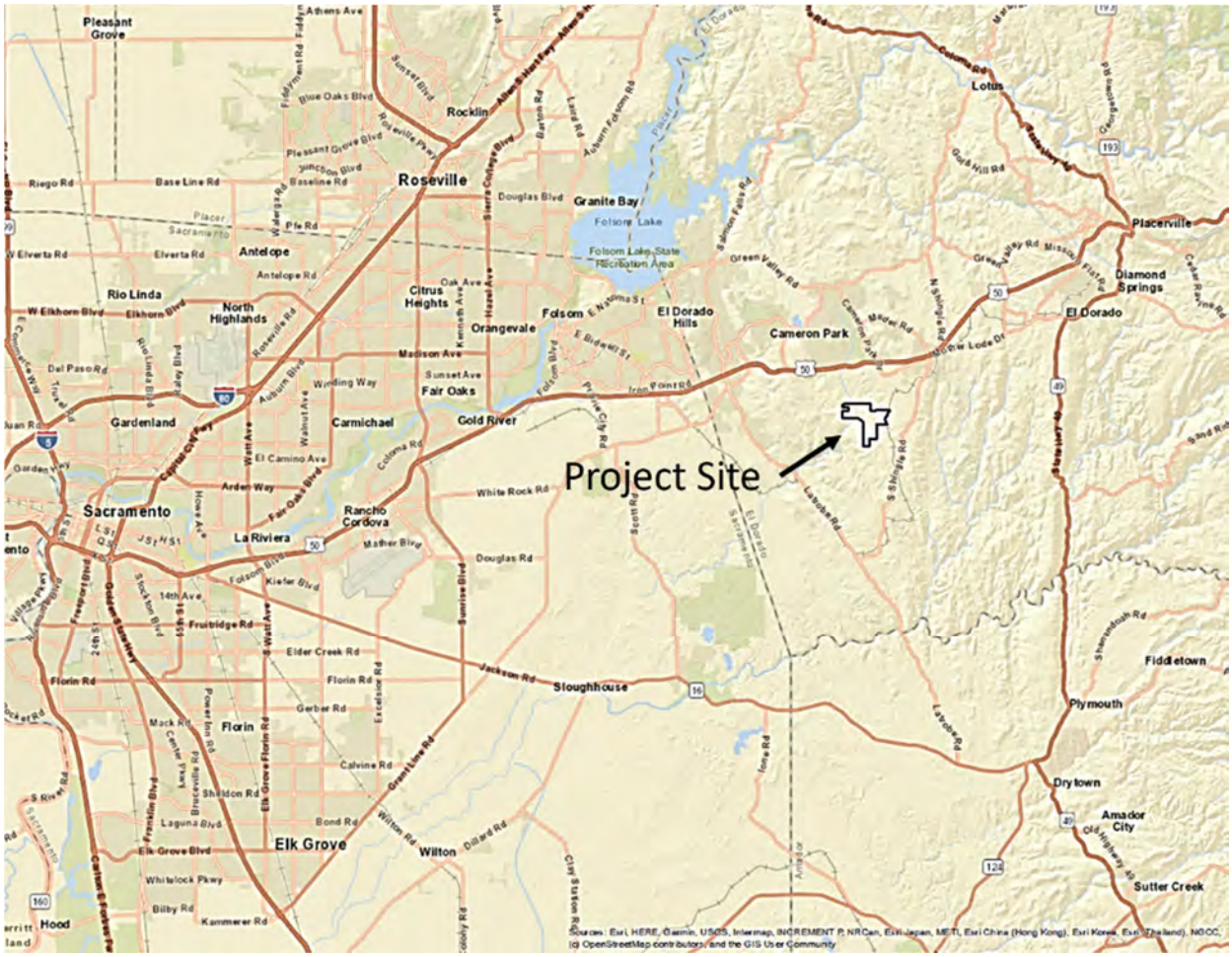


Figure 2 – Regional Location Map

The Project Site has two configurations under review for this analysis. The first is the project on its own; the second, is a configuration with an adjoining project (Marble Valley) to the west which will share some infrastructure (roads and evacuation points) with the Project Site (Figure 3).

The proposed project is designed in a manner that concentrates a majority of the development (clustered development) along the existing topographic features and preserves, enhances, and highlights the historic character of the site derived from the historical use of the property for limestone mining.

Current Environmental Conditions

General Location of Site and Adjacent Wildland

The Project Site will have undeveloped natural areas on all sides of the majority of the development area rather than directly abutting existing development (Internally and to the West/South). The site was designed with the "clustered development" concept, where density is concentrated in the development area to maximize the amount of open space on the balance of the site. This concept is illustrated in Figure 4.

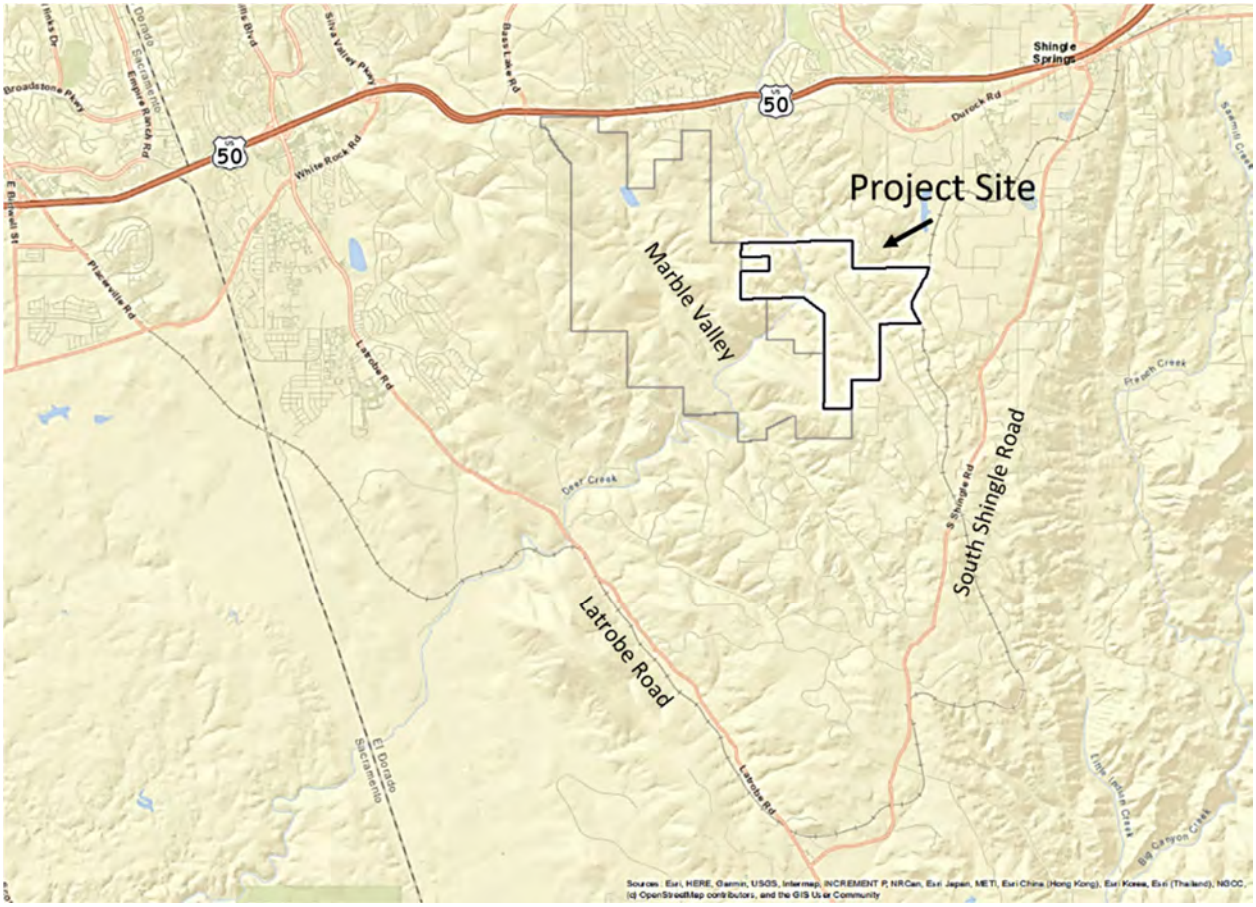


Figure 3 – Vicinity Map

In Figure 5, the majority of the unclassified (no dominate lifeform – light red) is in the existing development areas. The grasses are indicated in light yellow, the shrubs in dark brown, and the green and light blue areas are trees. The dark blue (non-vegetated) areas are water bodies or quarries for the most part.

Landfire data is provided in 30-meter grids with the predominate value in the grid representing the entire grid. This is true for all of the data sourced from the Landfire site (elevation, slope, aspect, wildland fuels, existing vegetation type, canopy coverage, etc.). It is necessary to review the data to ensure that processing errors have not occurred, which has been done at a macro level. The wildland interface is a mixture of Herbaceous (grasses) and Shrublands (chaparral/brush) and conifer/oak woodlands. Much of this open space will be native species with the exception of the fuel modification/defensible space zones. Fire behavior modeling was completed using the data from the Landfire data site (https://www.landfire.gov) which provided the source for the fuels types, vegetation type, slope, aspect, and elevation for this report and for the models used in this report. Figure 5 provides an illustration of the various wildland fuel types (grasslands, shrublands, tree covered/canopy (open or sparse), sparsely vegetated, no dominant vegetation) in general categories. For the most part, this illustration is simply grass, shrub, trees, little vegetation, or areas where the diversity of vegetation does not allow for classification under this category.



Figure 4 – Land Use Map

When the development area is added (Figure 6), it is possible to see the interface that will be created with this project. Figure 7, provides the development area for the alternative development configuration (Marble Valley Project) to illustrate the west interface if that development occurs as currently envisioned. A large amount of the shrub interface is eliminated or modified, reducing the wildland threat in that area.

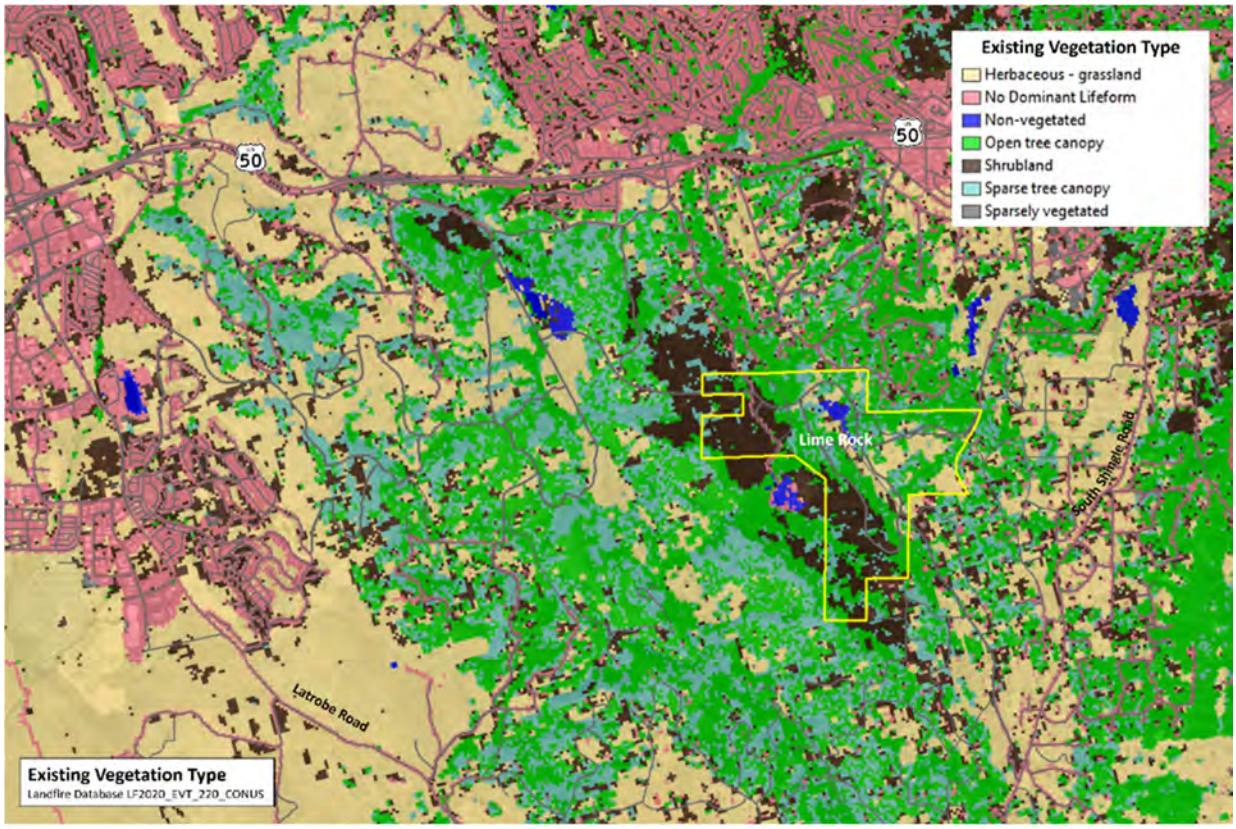


Figure 5 – Vegetation Type Map

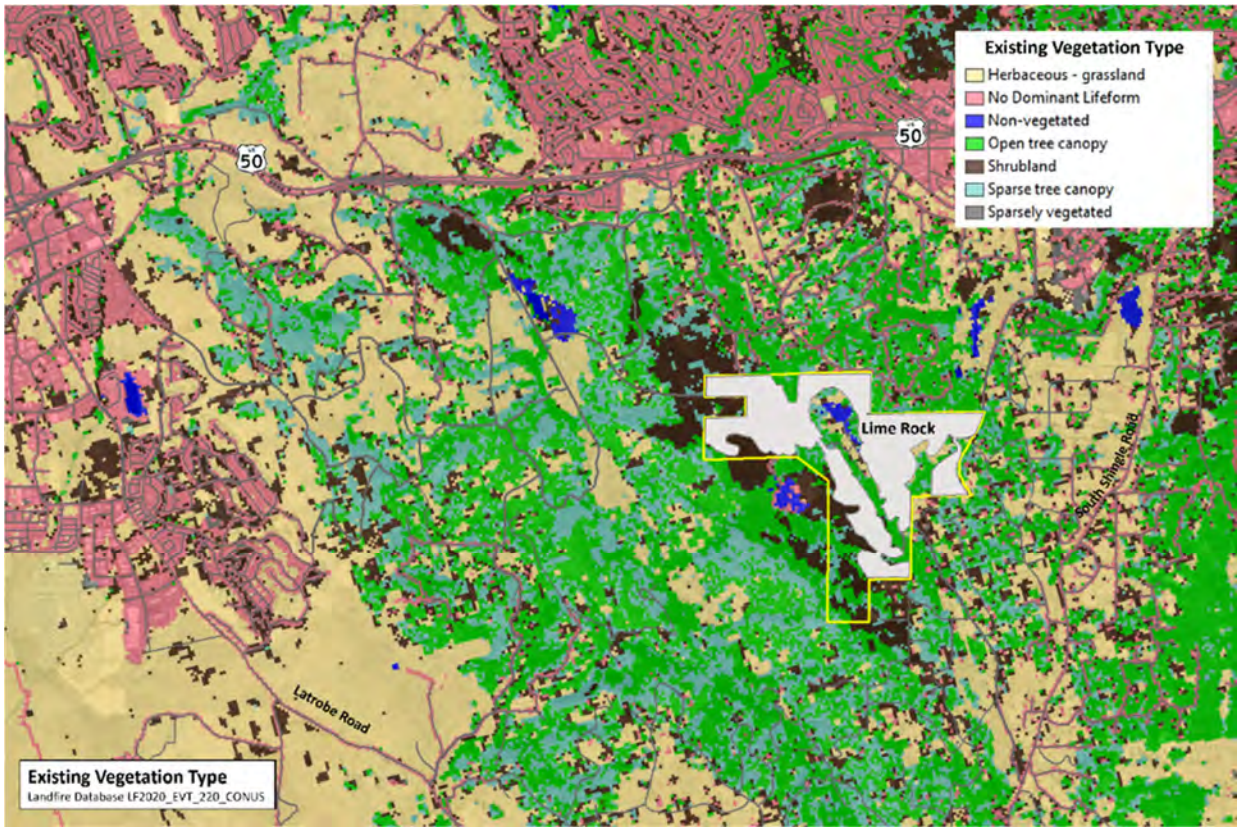


Figure 6 – Vegetation Type Map with Development Area for Lime Rock

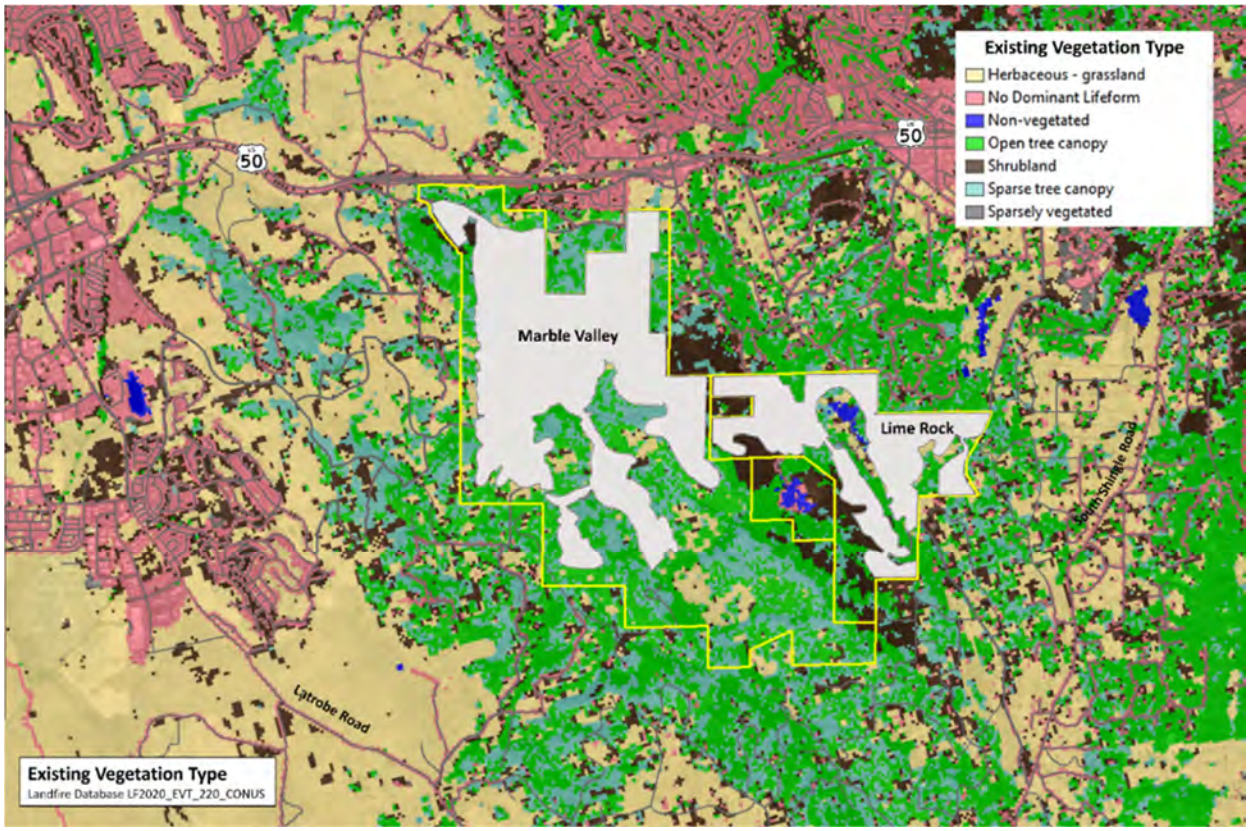


Figure 7 – Vegetation Type Map with Lime Rock and Marble Valley Development Areas

Agency responsible for fire protection

Fire protection services in El Dorado County are provided by 13 separate fire districts, one city fire department, the California Department of Forestry and Fire Protection (CAL FIRE), and the U.S. Forest Service (USFS). The project site is within the El Dorado County Fire Protection District, with backup protection provided by CAL FIRE (G3 Enterprises 2020). The final map boundary line must follow the existing fire boundary line to insure no residential or commercial lot is split between two fire districts.

The El Dorado County Fire Protection District serves 281 square miles and population of 75,000 with 14 stations (El Dorado County Fire 2020). The department consists of 74 total personnel (Alvarado pers comm.). Station 28 would serve the eastern portion of the project site. This fire station is located approximately 4 miles northeast of the project site and the average response to the project site would be 12.5 minutes (Alvarado, pers. comm.). Project Site as shown in Figure 8.

The Cameron Park Fire Department sits within the unincorporated community of Cameron Park. It serves the community, its citizens, visitors, and neighboring areas under the direction and governing Board of the Cameron Park Community Services District (CSD). Station 89 lies approximately 2 miles from the proposed project. Average response times for the Cameron Park Fire Department to calls in this area range between approximately 4 to 7 minutes (Winger 2016 pers. comm.).

It is likely that once the development is approved and started the LAFCO will examine the current boundaries and adjust them to provide for the "natural service provider" based on each agency's ability to provide the services to the new areas. The adjacent Marble Valley Project Site includes a fire station site which may be a relocation of Fire Station 92 (Ryan Ranch) which is currently unstaffed.

As shown in Figure 9, the entire Project Site is in SRA. All, or nearly all, of the SRA lands, are in one of the three Fire Hazard Severity Zones classifications. (Very High, High, or Moderate).

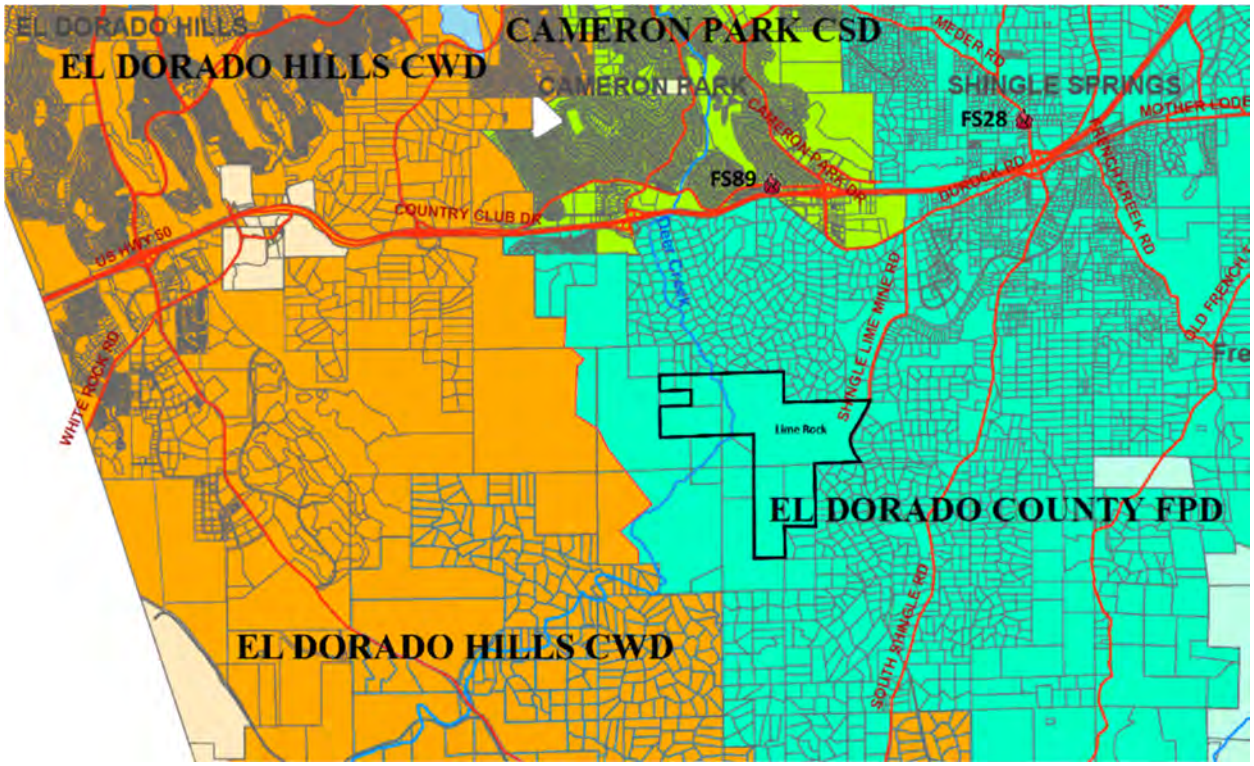


Figure 8 – Fire Protection Area Boundaries

Fire Severity Zones and proximity

Fire Hazard Severity Zones are currently based on potential fuels, fire weather conditions, and terrain and represent potential fire hazard exposure to structures and other human infrastructure assets. FHSZ areas are adopted as a Title 14 regulation, fulfill the obligations laid out in Public Resources Code (PRC) Sections 4201-04, and are essential in various fire safety regulations, building construction standards, and real estate hazard disclosure requirements. These zones were determined in November 2007 for SRA and September 2008 for LRA and are currently in the process of being revised by CalFire (CalFire Website). The review process for the updated SRA areas is completed and is being implemented. The 2007 Fire Severity Zone Map is provided in the Reference section of this report. New "draft" maps are out for review for the SRA areas for the entire state. In Figure 10, are the proposed classification for the Protect Site and adjoining lands. These new maps will be adopted within the next few months. Comment periods are completed for the Project Site.

SRA/LRA/FRA

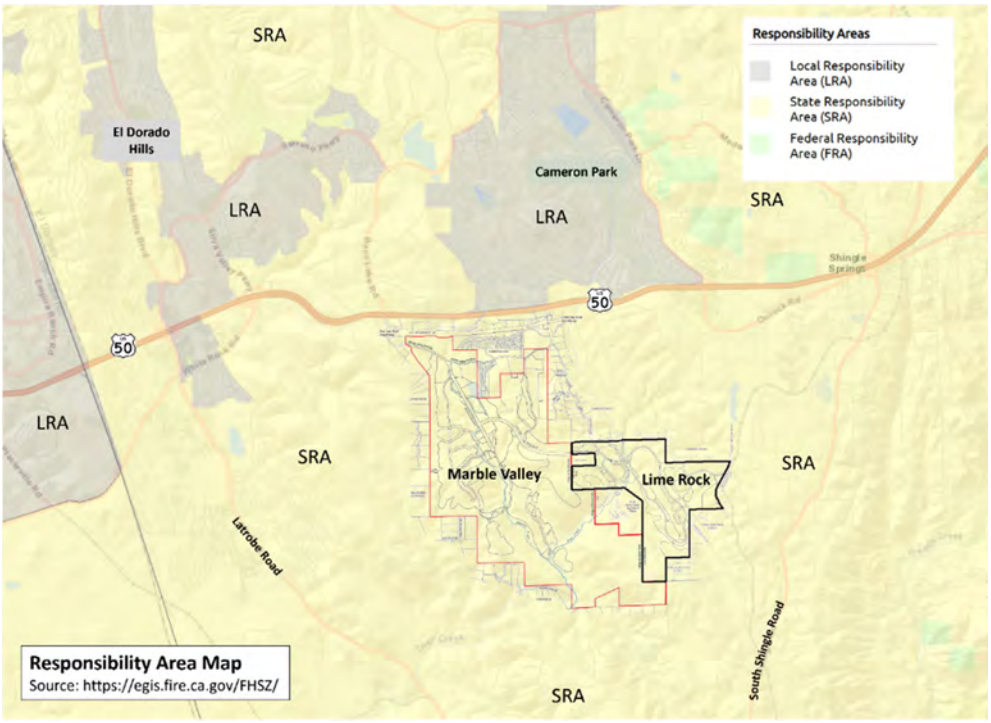


Figure 9 – Map Responsabilty Areas (SRA/LRA/FRA)

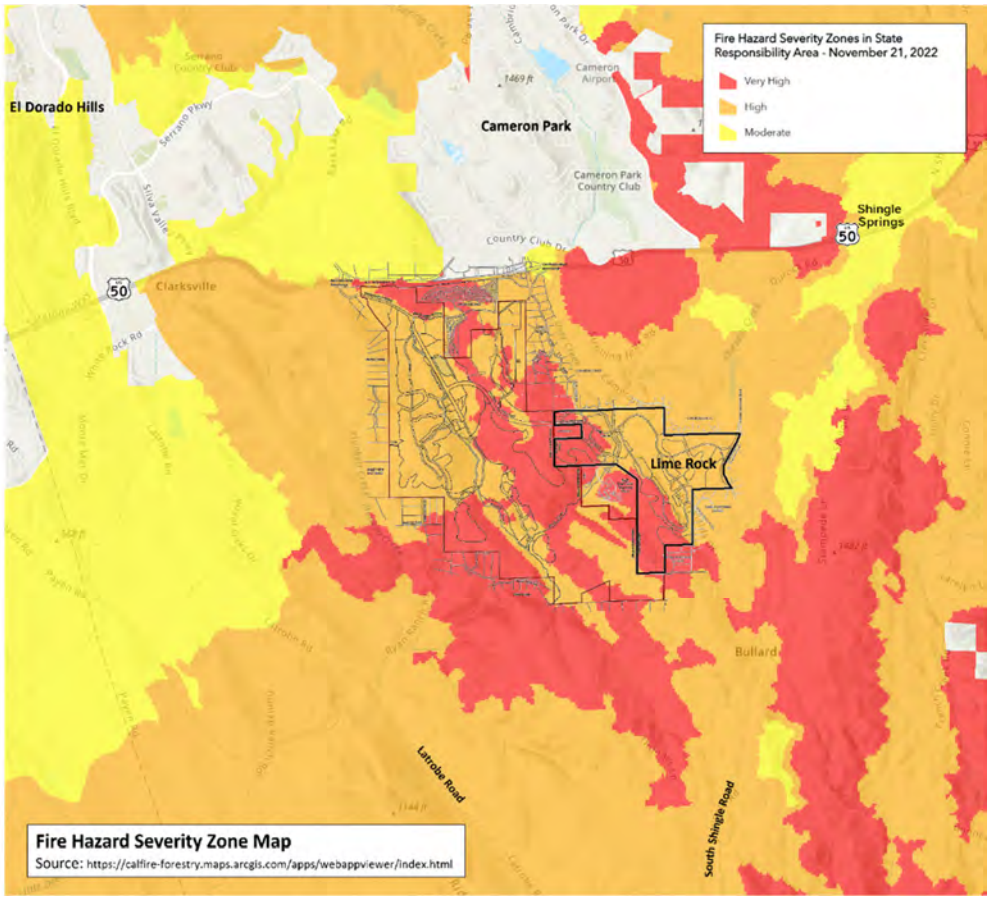


Figure 10 – Fire Hazard Severity Zones (2022)

Wildland Interface/Intermix

The wildland-urban interface (WUI) is defined by the U.S. Forest Service as any area where "humans and their development meet or intermix with wildland fuel." This area includes communities that are within a half-mile of this interface. The WUI is classified into two categories:

1. Interface WUI — where structures are adjacent to the wildland vegetation. A clear line of delineation is provided.



2. Intermix WUI — where structures intermingle with wildland vegetation. Each structure or group of structures has its own interface.



Figure 11 – Interface vs. Intermix

Source: "Fire FAQs-Are Structures Fuel? The Wildland Urban Interface and the 'Built' Environment", Daniel Leavell, Stephen A. Fitzgerald, Carrie Berger, Gavin Horn, EM 9291 Published August 2020

The Project Site will utilize a WUI Interface for each of the planning areas. Some native areas will remain between planning areas, but most of the development will create areas where the only interface with native fuels will be on the perimeter. Figure 4, previously, illustrates the project WUI interface. This is discussed in more detail in the analysis of the fire behavior.

Codes, guidelines, and standards

The Project Site will be required to provide protection measures as required by a number of Laws, Codes, Ordinances, Regulations, Guidelines, and Standards (collectively, Regulations). Most of the Regulations apply to all areas of the Project Site. Below are the major Regulations that will impact the Project Site:

- PRC Sections 4290 through 4299.
- PRC Sections 4201 through 4204 for State Responsibility.
- Title 14 of the California Code of Regulations (14 CCR), Division 1.5, Chapter 7, Subchapter 2, Articles 1-5, "State Minimum Fire Safe Regulations."
- California Code of Regulations, Title 24, Part 9, California Fire Code, Chapter 49.

- California Code of Regulations, Title 24, Part 2 (Volumes 1 and 2), California Building Code, Chapter 7A.
- California Code of Regulations, Title 24, Part 2.5, California Residential Code, Section R337.
- Fire Code of the El Dorado County Fire Protection District (California State Fire Code as amended and adopted)
    - Section 4906 – Vegetation Management
    - Section 4907 – Defensible Space
- El Dorado County Vegetation Management and Defensible Space Ordinance #5101,
- El Dorado County Regional Fire Protection Standards apply to the entire site

The Project Site will have wildland-specific requirements before, during and after construction.
Prior to Construction

Areas within the EDCFPD will also be a part of the Fire Safe Plan per the Specific Plan Polices. A Fire Safe Plan is based on a site-specific wildfire risk assessment that includes considerations of the location, topography, aspect, flammable vegetation, climatic conditions, and fire history. The plan addresses water supply, emergency vehicle access, building ignition and fire- resistance factors, fire protection systems equipment, defensible space, fuel breaks, buffer zones and vegetation management to reduce hazard severity and risk. The Fire Safe Plan summarizes all fire related recommendations for the project, the timing in which the recommendations are to be implemented, and who the responsible party is to complete these recommendations.

As further described below, the Project Site Specific Plan requires the development process to abide by a number of policy decisions, some of which are provided below for this project:

C.17 Public Services (Fire Protection)

Policy 7.25

The local fire protection district shall review and approve all discretionary applications for tentative subdivision maps, parcel maps, and planned development permits prior to County approval to ensure the adequacy of emergency water supply, storage, conveyance facilities, and access for fire protection. Recommendations may be incorporated as conditions of approval.

Policy 7.26

After the adoption of the Specific Plan and prior to the submittal of the first small lot tentative subdivision map, the Project Proponent will prepare a Wildfire Safety Plan (WSP). The California Department of Forestry and Fire Protection and the applicable local fire protection district (El Dorado Hills County Water District or the County Fire

Protection District) will review and approve the WSP prior to the approval of the first small lot tentative subdivision map.

Policy 7.27
Pay all applicable fire impact fees at building permit issuance and/or participate in any applicable Mello Roos districts required to fund public facilities as specified in the PFFP.

As indicated, the Wildfire Safety Plan (Fire Safe Plan) will be completed for review prior to the first small lot tentative subdivision map submittal and must be approved by CalFire and the applicable local fire district prior to the approval of that first small lot tentative subdivision map.

- The plan evaluates whether the project will substantially impair an adopted emergency response plan or emergency evacuation plan.

- The plan identifies potential mitigation measures that can be adequately employed to reduce the impacts caused to the existing response or evacuation plan.

- The plan evaluates whether the project exacerbates the wildfire risk due to slope, prevailing winds and other factors.

- The plan identifies potential mitigation measures that can be adequately employed to reduce the overall wildfire risk due to the factors identified.

- The plan identifies 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 on-going impacts to the environment.

- The plan identifies potential mitigation measures for vegetation reduction around emergency access, evacuation routes and associated infrastructure that can be implemented to ensure that this infrastructure is installed and maintained by the project and successor parties.

- The plan identifies whether the project will expose people or structures to significant risks, including downslope or downstream flooding or landscape, as a result of runoff, post-fire slope instability, or drainage changes.

- The plan evaluates the local fire protection capabilities; and fire suppression water supply capabilities to necessary to adequately serve the project and makes recommendations to improve or mitigate deficiencies identified during the analysis of the project.

- The plan evaluates community wildfire evacuation routes required for the project for their capacity, safety, and viability under a range of scenarios and to ensure consistency with CAL FIRE, CAL OES and AHJ requirements.

- The plan provides legally binding statements regarding community responsibility for the maintenance of fuel modification zones. The legally binding statement is required to be incorporated into the project covenants, conditions, and restriction regarding property owner responsibilities for vegetation maintenance.

Protection During Construction

EDCFPD has adopted Chapter 33 of the California State Fire Code entitled Fire Safety During Construction and Demolition with amendments. This section of the Fire Code provides requirements for "Precautions Against Fire", Combustible and Flammable Liquids, Flammable Gases and Explosive. Additionally, it requires readily accessible means of reporting emergencies, access roadways and fire department water supply to all areas where combustible construction is occurring.

This section (CFC Chapter 330 requires the development, implementation, and maintenance of an approved, written Site Safety Plan establishing a fire prevention program at the Project Site applicable throughout all phases of the construction, repair, alteration, or demolition work. This plan addresses the requirements of the Fire Code, the duties of staff, and staff training requirements. The Site Safety Plan must be submitted and approved before the issuance of a building permit. Any changes to the plan must be submitted and approved by the fire department.

Prior to the approval of a certificate of occupancy for a building, the project shall demonstrate to the satisfaction of the AHJ (Authority Having Jurisdiction) and CAL FIRE that the project complies with all applicable provisions found in the Fire Safe Plan.

Protection After Construction

The Project Site is within a Fire Hazard Severity Zone, which requires the enforcement of Fire Chapter 49. This chapter provides for increased wildfire building construction protection (maintenance, additions, and remodels must be in compliance with wildland standards), vegetation management, defensible space, and compliance with an Approved Fire Protection Plan. These requirements provide for the implementation and maintenance of California Building Code Chapter 7A, California Residential Code Section R337, and Californian Reference Standards Code Chapter 12-7A.

It further requires that buildings and structures be maintained in accordance with California Public Resources Code Section 4291, California Code of Regulations, Title 14, Division 1.5, Chapter 7, Subchapter 3, Article 3, Section 1299.03; California Government Code Section 51182 and California Code of Regulation, Title 19, Division 1, Chapter 7, Subchapter 1, Section 3.07. The Project Site is also within the SRA, which requires it to comply with the SRA Fire Safe Development Regulation as specified in Title 14, Division 1.5, Chapter 7, Subchapter 2. The Project Site will need to be maintained to the same standards and Regulations that were applicable at the time of construction on an ongoing basis.

Additionally Standard W-002 requires that prior to June 1st of each year the property owner or their representative shall demonstrate to the satisfaction of the AHJ and CAL FIRE that the project:

[1] complies with all relevant provisions of the Fire Safe Plan; and

[2] that all fire hazards in the development have been mitigated.

This standard further requires that the Fire Safe Plan be reviewed and updated by the property owner (Homeowners Association or HOA for common areas) no less than once every five calendar years after its original approval to ensure that the project complies with all current regulations and requirements for existing developments. The AHJ is responsible for routine inspections of all of the installed fire protection features (including fuel modification and defensible space). The AHJ and CAL FIRE shall review and approve this plan update prior to its use.

Public Information and Resident Education

All of the requirements for the fuel modification/defensible space zones, defensible space requirements, limitations on remodels/additions on the interface lots, and community planting restrictions will be cover included in the disclosure documents provided to the owners during the escrow process. Additionally, these requirements will be fully detailed in the Project Site CCR's (Covenants, Conditions, and Restrictions) legal documents that are filed with the county recorder's office and made a part of the official real estate records that run with the land that is part of the community.

The HOA will have the responsibility to inform the residents of the requirements, review and approve changes to the property and provide a process to ensure compliance with the community standards where applicable. The CCR's will be reviewed and approved by various governmental agencies (El Dorado County Fire, CalFire and the County of El Dorado) in the development process.

Project Analysis - Wildfire Hazard and Risk

The analysis of Wildland Fire Risk starts with the review of the hazards, the likelihood of an event, and the intensity of that event which is then examined against the vulnerability (exposure and susceptibility) to provide a "level of risk."

Wildfire Hazard

Likelihood

Wildfire likelihood is the probability of a wildfire burning in a specific location. At the community level, wildfire likelihood is assessed in the area where development is present. The likelihood is the probability that any specific location will experience a wildfire in any given year. Fire history is the main data source for this analysis along with potential ignition sources and weather conditions that lead to extreme fire behavior.

Fire History

The Project Site is not within/adjacent to a historic fire corridor. When the fire history is viewed in total (all records available) this is evident (Figure 12). Most fire travels SW/NE as evident by the elongated fire perimeter. The Scott Fire in 1996 appears to have originated under NW wind which changes to SW wind as it progresses (shape implies this). It also shows a few fires running S to N, such as the Joerger Fire 1964 (small cones pattern getting larger as it goes N). The largest fire shown is the Quarry Fire in 1976 (20,869 acres.

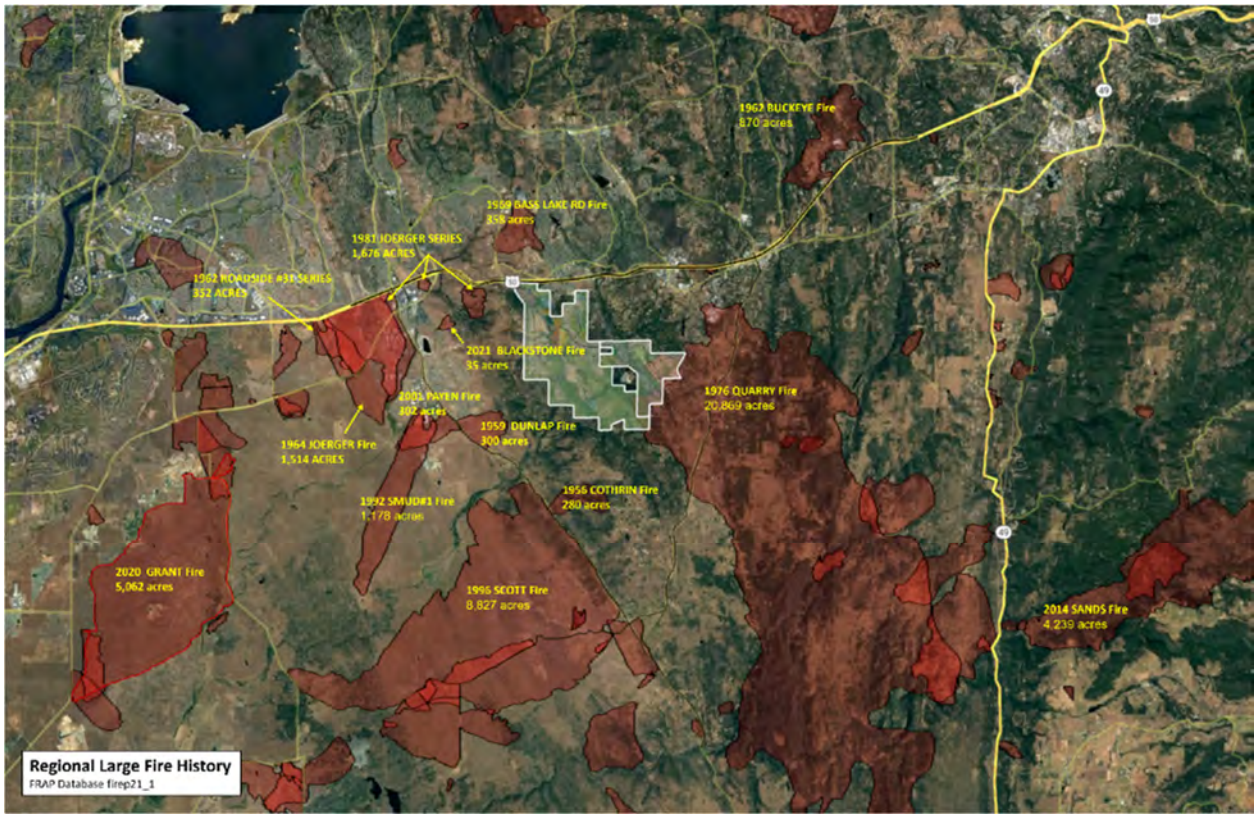


Figure 12 – Fire History for the regional area (all fires/all years)

Large fires in the area are due to several issues. Access and topography are part of it. Roads in the lands to the east, west, and south of the Project Site have limited access to the areas where these fires can burn. The topography can be steep, and most of it is well-vegetated. The general area does not have a large number of fire stations which can arrive quickly in the early stages, and fires that occur are generally related to the transportation and infrastructure (powerlines and roads) in the area that provide the ignition sources in many cases. This area sometimes experiences thunderstorms/lightning which produce strong winds and ignitions without the rainfall necessary to put out the spot fires. All of these factors are covered in more detail later in this report.

Weather

The weather has a significant impact on the ability of a small fire to become a large fire. Within the weather category, wind, relative humidity, temperature, and interaction with the topography are especially impactful.

High temperature, low humidity, and wind combine to create "Fire Weather". In the general area of the Project Site, the regional weather has a strong history of extreme Fire Weather. Conditions like these are common to the point where the National Weather Service has a specific system used to identify when extreme conditions are being achieved, and additional action should be taken. On its website, CalFire describes as follows:

> *The National Weather Service issues Red Flag Warnings & Fire Weather Watches to alert fire departments of the onset, or possible onset, of critical weather and dry conditions that could lead to rapid or dramatic increases in wildfire activity.*
>
> *A Red Flag Warning is issued for weather events which may result in extreme fire behavior that will occur within 24 hours. A Fire Weather Watch is issued when weather conditions could exist in the next 12-72 hours. A Red Flag Warning is the highest alert. During these times extreme caution is urged by all residents because a simple spark can cause a major wildfire. A Fire Weather Watch is one level below a warning, but fire danger is still high.* Red Flag Warnings & Fire Weather Watches (ca.gov)

Extreme Fire Behavior is a term used by the National Wildfire Coordinating Group (NWCG) for conditions which imply a level of fire behavior characteristics that ordinarily precludes methods of direct control action. One or more of the following is usually involved: high rate of spread, prolific crowning and/or spotting, presence of fire whirls, and strong convection column. Predictability is difficult because such fires often exercise some degree of influence on their environment and behave erratically, sometimes dangerously.

Temperature

The temperature in and of itself does not have a large impact on fire behavior but the effects of temperature on other factors such as Relative Humidity make temperature important to the fire behavior discussion. More direct sunlight increases fuel temperatures and decreases the amount of heat needed to raise the fuel to its ignition temperature, but since most wildland fuels must be raised to over 400°F to sustain combustion, the difference of 10 or 20 degrees in the atmospheric temperature has limited direct effect.

Relative Humidity

Relative humidity (RH) indicates how much moisture is in the air. Expressed as a percentage, it provides an objective measurement of the amount of water vapor that is in the air compared to the amount needed to be saturated (100% RH). When RH is low, moisture can be removed from the vegetation at a high rate creating drier vegetation conditions that burn easily and at a faster rate. Fuels (wildland) are categorized by the amount of time (time lag) it takes them to adjust the plant moisture level to the atmospheric level (63% of the difference) in one-hour, ten-hour, hundred-hour, and thousand-hour fuels. One- and ten-hour fuels have the most impact on the flaming front (active burning) of wildland fires in grass/brush fuels. For example, a grass fuel (one-hour) could be at a very high level of fuel moisture (90%) due to overnight fog. When the sun comes up, and the fog burns off or a dry air mass moves into the area, if the RH where to drop to 20, then in the first hour, the fuel moisture would move from 90% to 45% (63% of the difference between 90% moisture in the fuel and 20% moisture in the air) in the first hour and down to 30% by the end of the second hour and 24% by the end of the third hour. Each time moving 63% of the difference between the fuel moisture and the air moisture.

Humidity varies with temperature (generally, when temperature increases, humidity decreases, and vice versa). Humidity is important because it affects fuel moisture content and therefore, the fuel's combustibility. This is the reason that hot, dry Diablo wind conditions tend to create Fire Weather and increase the level of risk as they continue to impact the fuels for serval days, weeks, or months in the dry season for southern California. Hot, dry, and windy are a bad combination.

Wind

The wind is the most obvious factor in creating Extreme Fire Behavior. While Extreme Fire Behavior is possible without extreme wind, such as fuel- driven, plume-dominated wildfire, they are often found together. The Station Fire in southern California in 2009, was a prime example of fuel and low relative humidity-driven fire, with much of the fire growth occurring in the absence of significant winds (The Station Fire: An Example of a Large Wildfire in the Absence of Significant Winds (weather.gov)). This was not what is normally seen in the recent history of fires in California, but prolonged drought, bug kill and other factors which are increasing the amount of dead fuels in the wildlands are making these types of fires more common than they were in recent history. The wind is normally one of the prime factors. The reason for this is that, in fine fuels like grasses, wind can accelerate the fire to the maximum flame length and Rate of Spread (ROS) with little wind compared to the wind speeds that are possible under fire weather conditions.

One method of illustrating this fact is to show grass wildland fuels (dry climate) at various wind speeds and look for the point at which the fire from a specific fuel reaches its maximum energy output (all fuel consumed; no additional fuel to burn). Using the BehavePlus software from the U.S. Forest Service to complete the comparison, an extreme moisture scenario was used (3% for one-hour fuels, 4% for ten-hour fuels, 5% for 100-hour fuels, 30% for live herbaceous fuels and 50% for live woody fuels) for the fuel moisture levels in the time lag dead and live fuels. Three dry climate grass fuels were used (GR1, GR2, GR4), which are the fuels normally found in most of California for grasses. The results (Figure 13) indicate that the GR1 fuel reaches the maximum flame length and ROS at 5 mph (midflame wind speed), while the GR2 fuel reaches maximums at 13 mph and the GR4 at 25 mph. For this example, the 20-foot winds are two times the midflame

wind speed. 20-foot winds are defined as sustained winds averaged over a 10-minute period and measured 20 feet above the average height of nearby vegetation. (This is the standard reported by the Remote Automated Weather Stations (RAWS) owned by land management agencies and used in the National Fire Danger Rating System (NFDRS)). Using the 20-foot winds at two times the midflame wind speed allows for the perspective of how little wind is needed on a flat plain. When the slope is added, the GR1 is at maximum without wind, the GR2 drops to 9 mph and the GR4 drops to 22 mph. Figure 13 provides the output from the Behave modeling for this example.

Max ROS

Head Fire

Surface Fire Flame Length (ft)

Midflame Wind Speed	Fuel Model		
mi/h	gr1	gr2	gr4
0	0.6	1.4	2.7
5	2.6	6.3	11.8
10	2.6	9.9	18.6
11	2.6	10.6	19.8
12	2.6	11.2	21.0
13	2.6	11.6	22.1
14	2.6	11.6	23.2
15	2.6	11.6	24.3
16	2.6	11.6	25.4
17	2.6	11.6	26.4
18	2.6	11.6	27.4
19	2.6	11.6	28.5
20	2.6	11.6	29.4
21	2.6	11.6	30.4
22	2.6	11.6	31.4
23	2.6	11.6	32.3
24	2.6	11.6	33.2
25	2.6	11.6	33.7
26	2.6	11.6	33.7

Max ROS with 100% slope

Head Fire

Surface Fire Flame Length (ft)

Midflame Wind Speed	Fuel Model		
mi/h	gr1	gr2	gr4
0	2.6	7.6	14.3
4	2.6	9.1	17.0
5	2.6	9.6	17.9
6	2.6	10.1	18.9
7	2.6	10.6	19.8
8	2.6	11.1	20.8
9	2.6	11.6	21.8
10	2.6	11.6	22.7
11	2.6	11.6	23.7
12	2.6	11.6	24.7
13	2.6	11.6	25.6
14	2.6	11.6	26.6
15	2.6	11.6	27.5
16	2.6	11.6	28.4
17	2.6	11.6	29.3
18	2.6	11.6	30.2
19	2.6	11.6	31.1
20	2.6	11.6	32.0
21	2.6	11.6	32.9
22	2.6	11.6	33.7
23	2.6	11.6	33.7
24	2.6	11.6	33.7
25	2.6	11.6	33.7

Figure 13 - BehavePlus Outputs for Rate of Spread in dry climate grass fuels

The regional area around the Project Site has one Remote Access Weather Station or RAWS (BENC1) which is monitored/ maintained by a governmental agency to measure, record, and transmit Fire Weather data on a routine basis over extended periods of time. Most of these RAWS sites have been in place for many years, if not decades. These sites are good for establishing the long-term wind (speed, direction, and gusts), temperature, and RH.

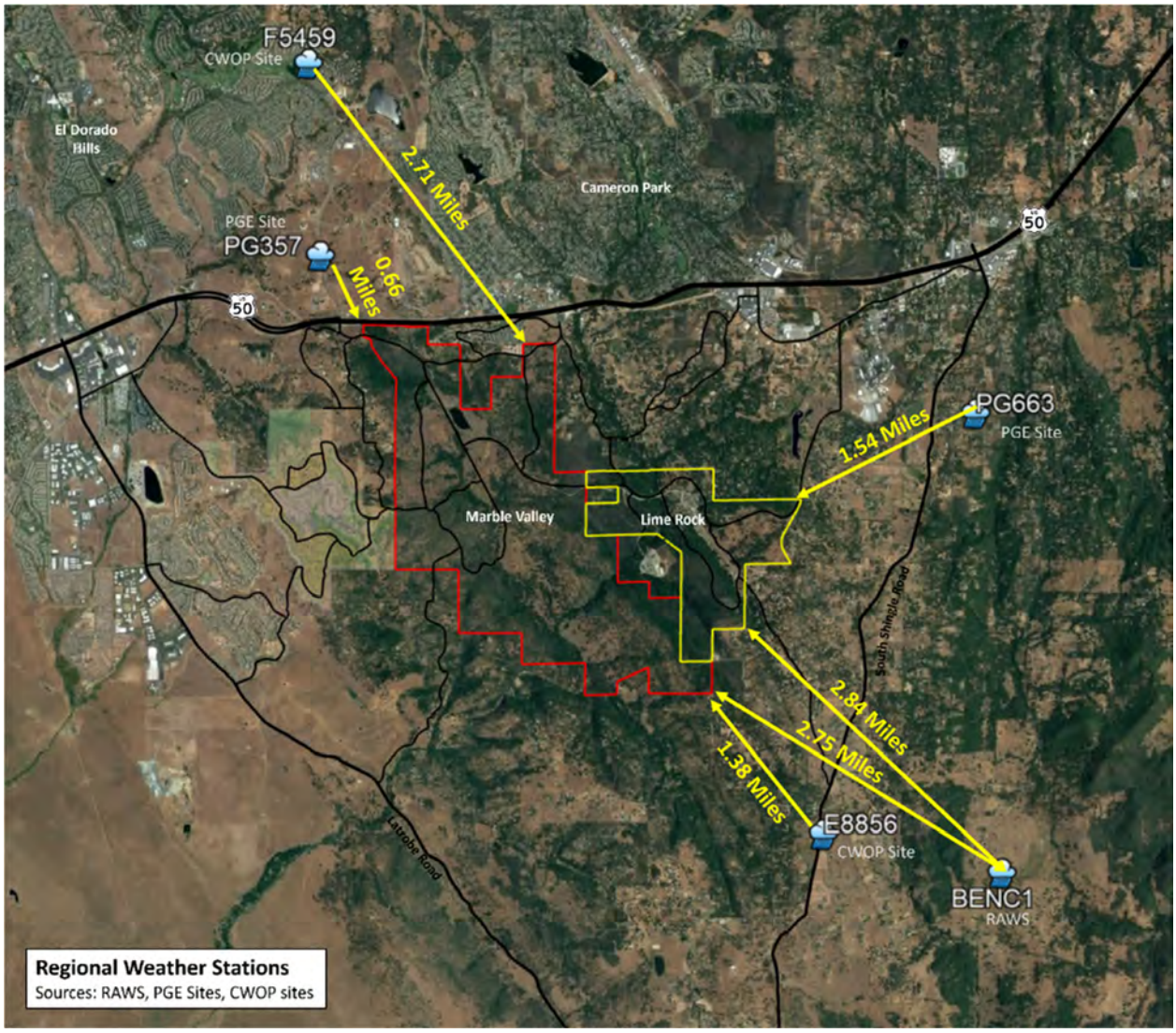


Figure 14 – Location map for location weather collection sites

The Ben Bolt RAWS is located to the southeast of the Project Site. The RAWS is approximately 2.84 miles to the SE from the southern boundary of the Project Site. The location for Ben Bolt is provided in Figure 14, as well as four additional weather data locations around the Project Site, two of which are weather stations maintained and monitored by Pacific Gas and Electric (PGE) as part of the company's Wildland Fire Safety program and two private weather stations which are part of the Citizen Weather Observing Program (CWOP) sponsored by the National Weather Service. The company (PGE) uses data to make decisions on Public Safety Power Shutoff (PSPS) actions. The data is available to safety personnel and the general public in nearly "real-time." Most of these PGE sites are mounted on utility poles owned by the company.

The RAWS site data has over 20 years of recent data, while the PGE sites have all come online within the past 4 years, and some in the area have been installed in the past year (those have not been used here). The data from the RAWS sites shows a consistent pattern of winds from the south to west and from the north to northeast, with the stronger winds originating from the S/SW (Figure 15). The data tables for the RAWS site are in Figure 16.

The data summaries in Figure 16 are derived from over 179,000 data points over 20+ years, with maximum/minimum summaries encapsulating the data for recordation by the hour. The green highlighted areas of the summary show the flow toward the mountains, and the light red the flow from the mountains into the central valley. The two highest wind measurements occurred from the S and SE, but the predominant flow is from the N to NE (34.5% of the time) and S to WSW (34.9% of the time). It should be noted that only 182 hourly reports out of 179,528 (0.101%) have wind gust speed that exceeds 40 mph. Wind gusts exceeding 30 mph do not amount to 1% of the wind data observations. The 99th percentile for wind gusts in this data base is 27 mph.

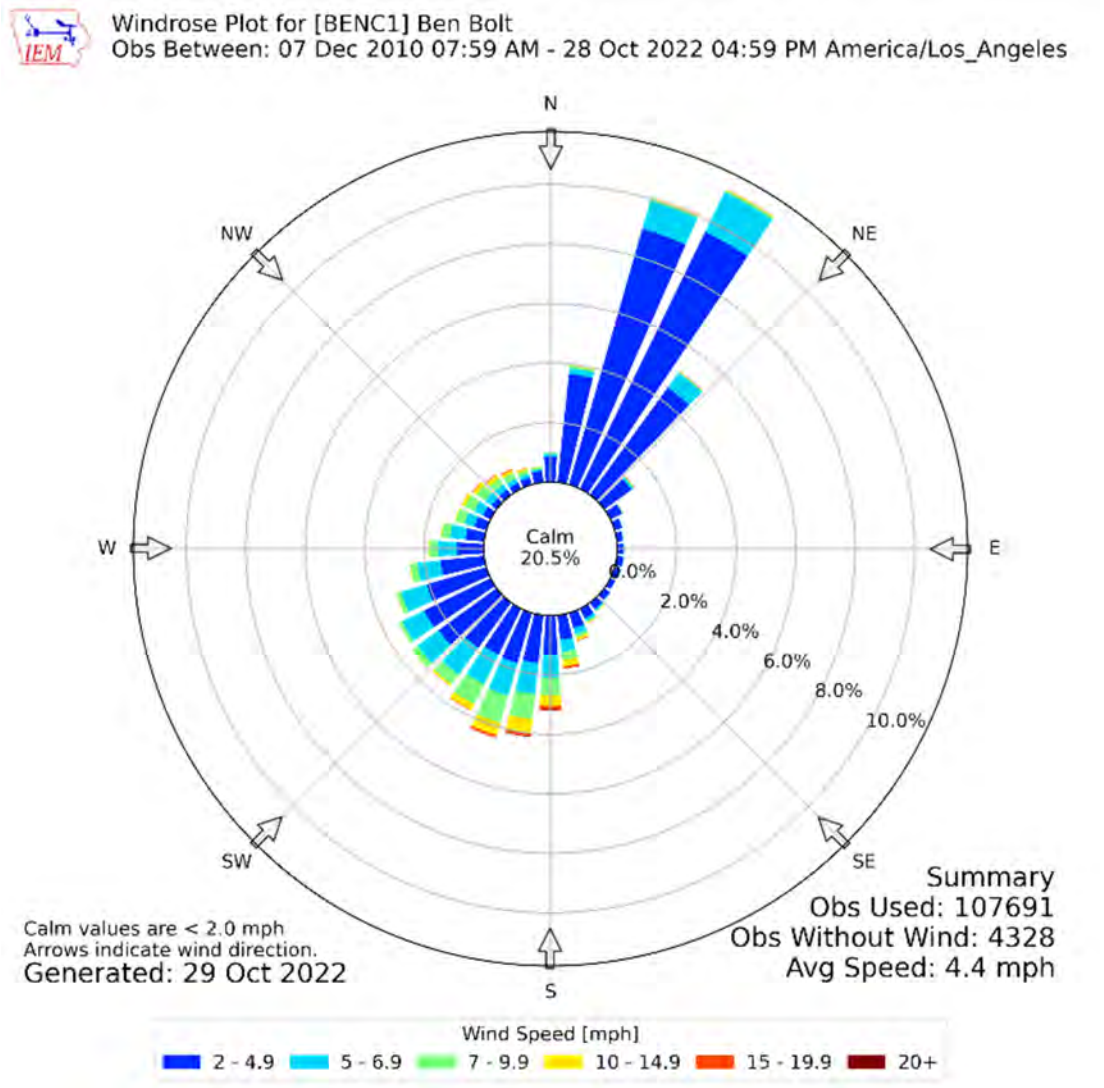


Figure 15 - Output data/graphics for RAWS locations (Ben Bolt)

Ben Bolt RAWS 2002 to 2022

BENC1			Wind Gust (mph)						
	Count	Cardinal	<20	>20	>30	>40	>50	>60	>70
7.2%	12,992	N	12,801	191	16	-	-	-	-
21.0%	37,774	NNE	37,624	150	34	5	-	-	-
6.2%	11,172	NE	11,073	99	36	8	-	-	-
1.3%	2,301	ENE	2,272	29	4	1	-	-	-
1.2%	2,119	E	2,094	25	2	1	-	-	-
1.2%	2,146	ESE	2,102	44	13	3	-	-	-
2.0%	3,541	SE	3,295	246	75	26	2	1	-
3.9%	7,053	SSE	6,203	850	214	44	3	-	-
9.0%	16,224	S	14,570	1,654	367	70	9	1	-
9.5%	17,117	SSW	15,942	1,175	152	18	1	-	-
9.0%	16,224	SW	15,722	502	53	6	-	-	-
7.3%	13,069	WSW	12,864	205	24	-	-	-	-
5.1%	9,086	W	8,893	193	11	-	-	-	-
3.2%	5,732	WNW	5,442	290	20	-	-	-	-
3.7%	6,659	NW	5,999	660	93	-	-	-	-
7.1%	12,779	NNW	12,236	543	82	-	-	-	-
2.0%	3,540	Null	-	-	-	-	-	-	-
100.0%	179,528		169,132	6,856	1,196	182	15	2	-
			94.2%	3.8%	0.7%	0.1%	0.0%	0.0%	0.0%

Wind Direction

N	12,992	7.2%
NNE	37,774	21.0%
NE	11,172	6.2%
ENE	2,301	1.3%
E	2,119	1.2%
ESE	2,146	1.2%
SE	3,541	2.0%
SSE	7,053	3.9%
S	16,224	9.0%
SSW	17,117	9.5%
SW	16,224	9.0%
WSW	13,069	7.3%
W	9,086	5.1%
WNW	5,732	3.2%
NW	6,659	3.7%
NNW	12,779	7.1%
0	-	0.0%
Blank	3,540	2.0%
	179,528	100.0%

	Wind		Gust	
Greater than				
60			2	0.001%
50	-	0.000%	15	0.008%
45	1	0.001%	50	0.028%
40	1	0.001%	182	0.101%
30	8	0.004%	1,196	0.666%
20	304	0.169%	6,856	3.819%
10	8,237	4.588%	63,806	35.541%
0	179,528		179,528	

10/29/2022 Begin
1/1/2002 End
7606 days
20.8 years

179,528.0 Data points

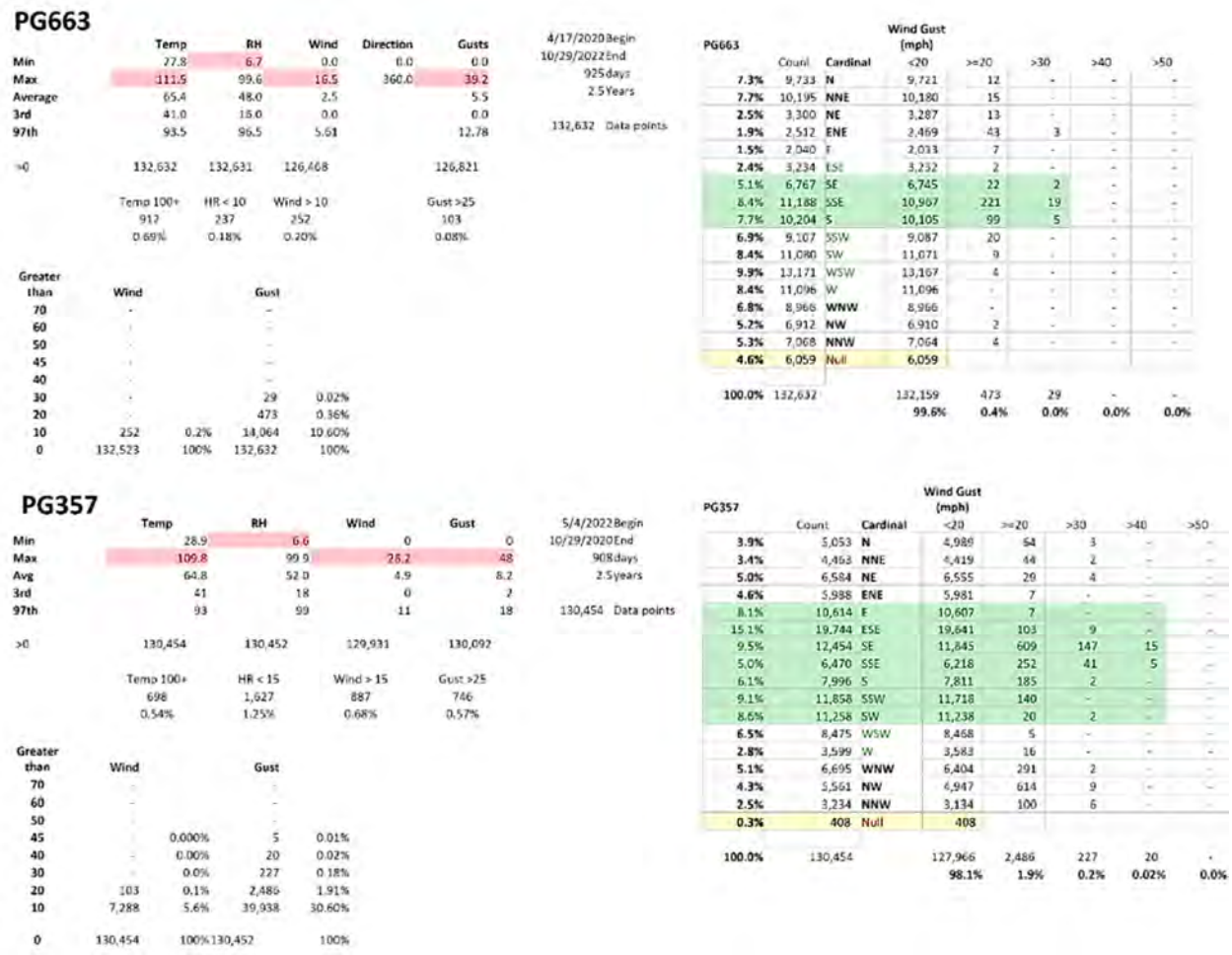
	Temp	RH	Wind	Gust
Min	22.0	3.0	0.0	0.0
Max	117	100	50.0	64.0
Avg	60.9	61.1	4.3	9.0
3rd	36	16.0	3.0	0.0
99th	101.0	100	27.0	27.0

Figure 16 – Ben Bolt RAWS Data Summary

Four additional weather data collection points have been used around the Project Site. The two PGE sites (PG663 and PG357) have databases for the past 2.5+ years, with both going into service in the spring of 2020. Each has about 130,000 data points. These sites have direct readings every six minutes (10 times per hour), whereas the RAWS had hourly summaries. The lowest/highest values are not any different, but the depth of the data is greater with respect to the wind direction and duration of a particular data value.

PGE monitors the weather sites 24/7 in an effort to provide data for planning and protecting communities from wildfires and assist in the prediction of fire-prone weather and assist in the prevention of wildfires where possible. One method they use is the Public Safety Power Shutoff (PSPS) forecast and implementation program. This is designed to reduce or eliminate possible wildfire sources from the electric grid during times of high risk.

Access to PGE's interactive weather and fire-detection satellite maps allows local fire officials and the general public the ability to review the weather in the local area so that they can be better prepared. This same data provides a historical view of past fire-prone weather which is very useful to the assessment of future risk. Data from the two sites is provided in Figure 17.



PG663

	Temp	RH	Wind	Direction	Gusts
Min	77.8	6.7	0.0	0.0	0.0
Max	111.5	99.6	16.5	360.0	39.2
Average	65.4	48.0	2.5		5.5
3rd	41.0	15.0	0.0		0.0
97th	93.5	96.5	5.61		12.78
>0	132,632	132,631	126,468		126,821

Temp 100+ 912 0.69%; HR < 10 237 0.18%; Wind > 10 252 0.20%; Gust >25 103 0.08%

4/17/2020 Begin; 10/29/2022 End; 925 days; 2.5 Years; 132,632 Data points

Greater than	Wind		Gust	
70	-		-	
60	-		-	
50	-		-	
45	-		-	
40	-		-	
30	-		29	0.02%
20	-		473	0.36%
10	252	0.2%	14,064	10.60%
0	132,523	100%	132,632	100%

PG663	Count	Cardinal	Wind Gust (mph) <20	>=20	>30	>40	>50
7.3%	9,733	N	9,721	12	-	-	-
7.7%	10,195	NNE	10,180	15	-	-	-
2.5%	3,300	NE	3,287	13	-	-	-
1.9%	2,512	ENE	2,469	43	3	-	-
1.5%	2,040	E	2,033	7	-	-	-
2.4%	3,234	ESE	3,232	2	-	-	-
5.1%	6,767	SE	6,745	22	2	-	-
8.4%	11,188	SSE	10,967	221	19	-	-
7.7%	10,204	S	10,105	99	5	-	-
6.9%	9,107	SSW	9,087	20	-	-	-
8.4%	11,080	SW	11,071	9	-	-	-
9.9%	13,171	WSW	13,167	4	-	-	-
8.4%	11,096	W	11,096	-	-	-	-
6.8%	8,966	WNW	8,966	-	-	-	-
5.2%	6,912	NW	6,910	2	-	-	-
5.3%	7,068	NNW	7,064	4	-	-	-
4.6%	6,059	Null	6,059				
100.0%	132,632		132,159	473	29	-	-
			99.6%	0.4%	0.0%	0.0%	0.0%

PG357

	Temp	RH	Wind	Gust
Min	28.9	6.6	0	0
Max	109.8	99.9	28.2	48
Avg	64.8	52.0	4.9	8.2
3rd	41	18	0	7
97th	93	99	11	18
>0	130,454	130,452	129,931	130,092

Temp 100+ 698 0.54%; HR < 15 1,627 1.25%; Wind > 15 887 0.68%; Gust >25 746 0.57%

5/4/2022 Begin; 10/29/2020 End; 908 days; 2.5 years; 130,454 Data points

Greater than	Wind		Gust	
70	-		-	
60	-		-	
50	-		-	
45	-	0.000%	5	0.01%
40	-	0.00%	20	0.02%
30	-	0.0%	227	0.18%
20	103	0.1%	2,486	1.91%
10	7,288	5.6%	39,938	30.60%
0	130,454	100%	130,452	100%

PG357	Count	Cardinal	Wind Gust (mph) <20	>=20	>30	>40	>50
3.9%	5,053	N	4,986	64	3	-	-
3.4%	4,463	NNE	4,419	44	2	-	-
5.0%	6,584	NE	6,555	29	4	-	-
4.6%	5,988	ENE	5,981	7	-	-	-
8.1%	10,614	E	10,607	7	-	-	-
15.1%	19,744	ESE	19,641	103	9	-	-
9.5%	12,454	SE	11,845	609	147	15	-
5.0%	6,470	SSE	6,218	252	41	5	-
6.1%	7,996	S	7,811	185	2	-	-
9.1%	11,858	SSW	11,718	140	-	-	-
8.6%	11,258	SW	11,238	20	2	-	-
6.5%	8,475	WSW	8,468	5	-	-	-
2.8%	3,599	W	3,583	16	-	-	-
5.1%	6,695	WNW	6,404	291	2	-	-
4.3%	5,561	NW	4,947	614	9	-	-
2.5%	3,234	NNW	3,134	100	6	-	-
0.3%	408	Null	408				
100.0%	130,454		127,966	2,486	227	20	-
			98.1%	1.9%	0.2%	0.02%	0.0%

Figure 17 – PGE Sites Weather Data

Data from the PGE sites is more localized and provides a view at a more micro level than the RAWS site. The wind directions, wind speeds, relative humidity, and temperatures are similar and within the overall parameters of the RAWS dataset extremes.

The last two sites are private weather stations that are a part of the CWOP. CWOP runs data checking and analysis on its site to increase the quality of the data. These sites (E8856 and F5459) are located 2.71 miles to the NNW (F5459) and 1.38 miles to the SSE (E8856) of the Project Site boundary. The data from these sites are within the expected values but it should be noted that in these datasets, over 40% of the values are "null" (missing or blank).

These databases, used as a primary source, would be suspect due to the null values, but as an accessory source, utilized to find data outside of the primary site data, they have value. Both sites have data beyond the PGE data windows. F5459 has 175,791 data points over a 3.42-year period (5/19 to 10/22). E8856 has 675,262 datapoints over a 6.6-year period (3/16 to 10/22). Even with the null values, the amount of data present is significant. The data summaries are provided in Figure 18.

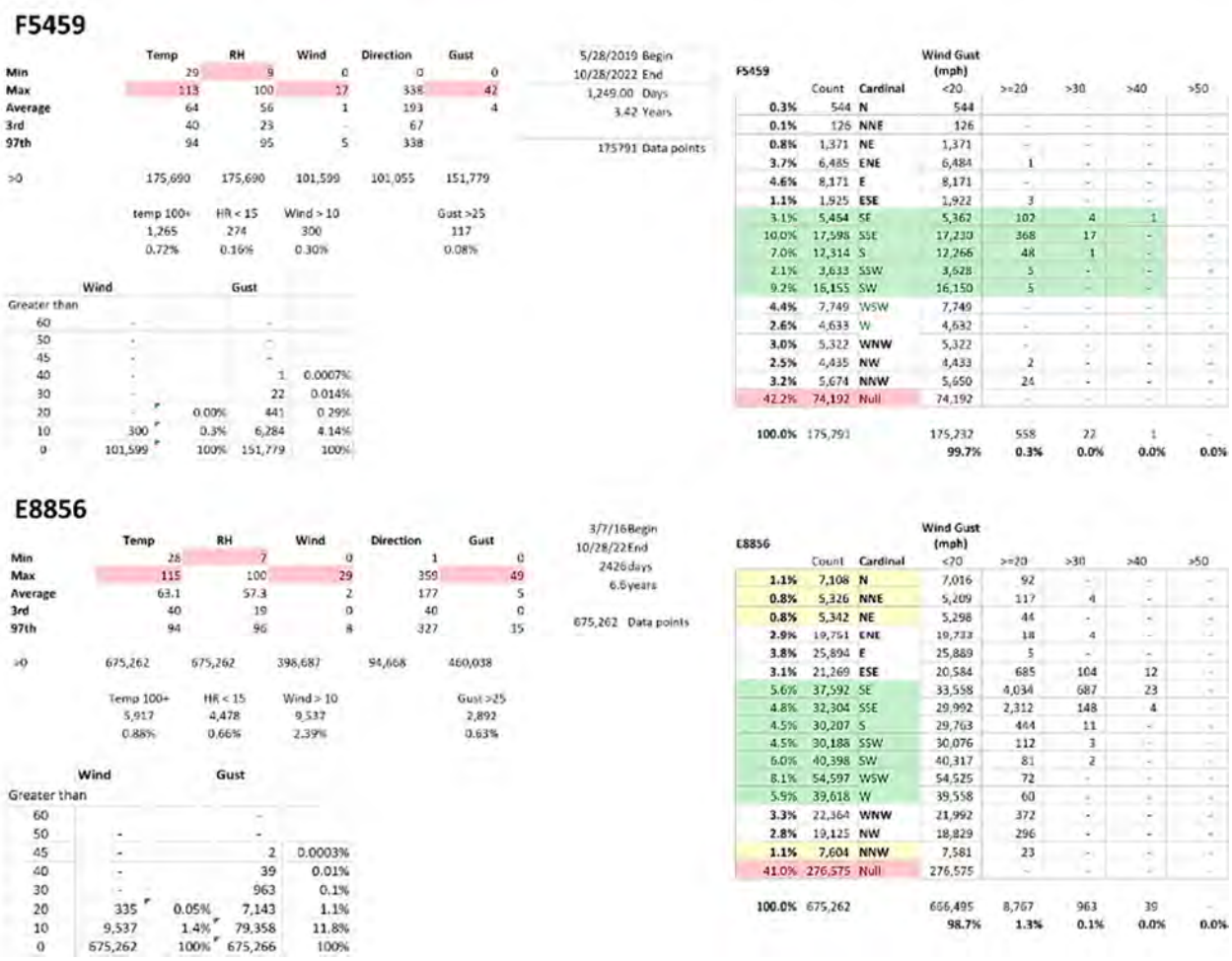


Figure 18 – CWOP Sites weather data

From a fire modeling perspective, wind (speed and direction), relative humidity, and temperature, (to a lesser degree) are important elements. These output factors are combined for all the weather sites in Figure 19. The maximum values (minimum for RH) are provided along with the values for the 3rd and 99th percentile of the dataset. The RAWS site has the max/min values for all of the datasets. Modeling assumptions have been derived from this data. The maximum wind value is a 64-mph wind gust, the highest temperature was 117 degrees F., the lowest RH was 3%, and the predominant direction is from the N to NE (34.5% of the time) and S to WSW (34.9% of the time).

For this report, the minimum fuel moisture for 1-hr fuels will be 3% based on the RH values shown in Figure 19, as found at the referenced site. Wind assumptions, based on the values in Figure 19, will be modeled at sixteen locations with one or more wind directions from:

SW at 65/50/40/30	ENE at 50
SSW at 65/50	NE at 50
S at 50	N at 50
SSE at 50	WNW at 50
ESE at 50	WSW at 50
E at 50	W at 50

	Temp	RH	Wind	Gust		
[illegible]	22	3	0	0	20.8 years	
Max	117	100	50	64	179,528	Data points
Avg	60.9	61.1	4.3	9	1/1/2002	Begin
3rd	36	16	3	0	10/29/2022	End
99th	101	100	27	27		

[illegible]	Temp	RH	Wind	Gust		
Min	29	9	0	0	3.4 years	
Max	113	100	17	42	175,791	Data points
Average	64	56	1	4	5/28/2019	Begin
3rd	40	23	-		10/28/2022	End
97th	94	95	5			

[illegible]	Temp	RH	Wind	Gust		
Min	28	7	0	0	6.6 years	
Max	115	100	29	49	675,262	Data points
Average	63.1	57.3	2	5	3/7/2016	Begin
3rd	40	19	0	0	10/28/2022	End
97th	94	96	8	15		

[illegible]	Temp	RH	Wind	Gust		
Min	28.9	6.6	0	0	2.5 years	
Max	109.8	99.9	28.2	48	130,454	Data points
Avg	64.8	52	4.9	8.2	5/4/2020	Begin
3rd	41	18	0	2	10/29/2022	End
97th	93	99	11	18		

[illegible]	Temp	RH	Wind	Gusts		
Min	27.8	6.7	0	0	2.5 years	
Max	111.5	99.6	16.5	39.2	132,632	Data points
Average	65.4	48	2.5	5.5	4/17/2020	Begin
3rd	41	16	0	0	10/29/2022	End
97th	93.5	96.5	5.61	12.78		

Figure 19 -Weather Data Summaries for All locations

Intensity

The intensity of a wildfire is measured in the energy release expected from the flaming front of the fire (active burning). Intensity is greatly affected by topography, weather, and the amount of fuel available to burn. For example, a brush fire in heavy chaparral in a steep canyon can produce a greater wildfire intensity than short grass fuels on flat ground. Wildfire intensity is measured in units of heat transfer per length of the fire edge within the fire modeling community but is more often expressed in terms of flame length for easier understanding in training and discussion with those who fire fight fires and those who must live with the potential of wildland fires.

Fire intensity is the primary wildfire characteristic related to potential fire effects. Typically, the greater the intensity, the greater the loss, but this is not always the case. (USDA Forest Service Gen. Tech. Rep. RMRS-GTR-315. 2013, page 5)

> The factors affecting wildfire intensity include the elements of the fire behavior triangle (fuel, weather, and topography) as well as spread direction (heading, flanking, backing, etc.). At a basic level, wildfire intensity can be assessed for a point, stand, or landscape without consideration of fire spread by assuming that a fire occurs at the given location(s) under specific weather, fuel moisture, and fire spread parameters (heading, flanking, or backing). Typically, this is assessed as

> the near-maximum potential (for example, heading fire under 97th percentile fuel moisture and wind conditions).
>
> There may be a very low probability of a wildfire occurring under these conditions in any particular area, but nevertheless, this level of assessment provides useful information about the potential wildfire behavior that different areas of a landscape are capable of producing. At the landscape scale, this type of wildfire hazard assessment may also be used to identify where on a landscape there is the potential to meet or exceed specific wildfire behavior thresholds, thus aiding the identification and prioritization of management opportunities. (USDA Forest Service Gen. Tech. Rep. RMRS-GTR-315. 2013, pages 7-8)

In order to assess potential intensity, it is necessary to examine the fuels, topography, and configuration in order to accurately assess both the hazard and the risk to the adjacent areas. The topography includes elevation, slope, aspect, and features, such as canyons, valleys, or rivers.

Fuels (wildland and built)
Wildland fuels on and near the Project Site consist mainly of grass, shrubs, and open canopy treed vegetation cover as indicated in Figure 5, on page 11. Figure 20 provides an illustration of the wildland fuels on and near the Project Site. The fuels are classified by number in categories as listed in the legend.

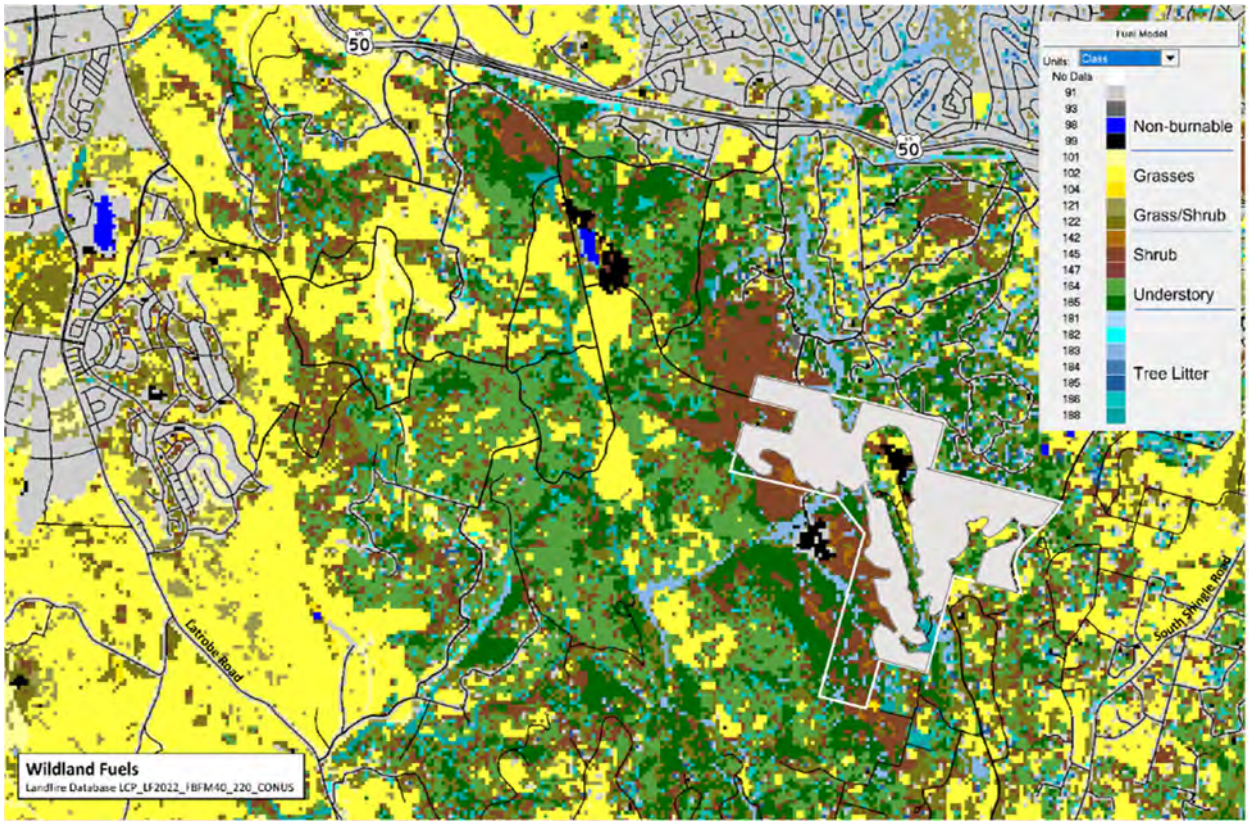


Figure 20 – Wildland Fuels Map

In each category, the amount of fuel is generally greater as the number increases. Grass fuel 101 has less combustible fuel available than grass fuel 102. The 100's are grasses, the 120's are grass/shrub mixtures, the 140's are shrub fuels, the 160's are understory fuels, and the 180's are tree litter fuels. These all apply to surface fuels (within 6' of the ground), as canopy fuels are dealt with separately in other modeling modules. The Project Site (shown here with the Lime Rock development area shaded) is mostly grass and grass/shrub fuels with some areas of shrub-only fuel. Canopy fuels are not predominant. Fuels are assessed in 30-meter grids, with the predominant fuel type within the grid representing the entire grid.

The Lime Rock Project Site consists of a valley approximately one half miles wide (east to west) by one mile long (north to south). Elevations on-site range from approximately 850 to 1,280 feet above mean sea level. Deer Creek flows from north to south through the Project Site and joins Marble Creek southwest of the Lime Rock development area. Vegetation on the site is primarily comprised of five plant communities: annual grassland, oak woodland, white leaf manzanita chaparral, riparian woodland, and ruderal.

Per the Bio Resources report for the Project Site, annual grassland occurs mainly in the eastern half of the Project Site and as understory to the blue oak woodland. The oak woodland community on the site consists of mixed stands of blue oak and canyon live oak, with scattered valley oak and black oaks. The total area of oak canopy on the site is 246.6 acres. The majority of the blue oak woodland is located on the slopes of the eastern half of the property. Here, the canopy density of blue oak varies such that it ranges from closed canopy with a mixed species assemblage in the understory to a savanna like setting where oaks are scattered throughout the annual grassland.

White leaf manzanita chaparral on the site forms a mosaic across most of the west side of the property. This mosaic is composed of an assemblage, mostly comprised of native species, with characteristic shrubs including chamise, white leaf manzanita, coyote brush (*Baccharis pilularis*), buck brush, deerbrush, golden fleece (*Ericameria arborescens*), yerba santa (*Eriodyction californicum*), coffeeberry *(Frangula californica),* toyon (*Heteromeles arbutifolia*), chaparral pea (*Pickeringia montana),* scrub oak (*Quercus berberidifolia),* red bud *(Rhamnus crocea),* and poison oak. Although trees are not a major component of the chaparral they are obvious features of the landscape emerging above the chaparral brush. Canyon live oak occurs frequently throughout this habitat whereas foothill pine only occurs in a few locations. Grasses, forbs, and sub-shrubs are minor components of chaparral habitats and are typically found in openings within the chaparral following fires or formed by road cuts or other disturbances. (Biological Resources Report, Lime Rock Valley Specific Plan, El Dorado County, California, LSA Associates, Inc., Pt. Richmond, California , Project No. GGG1202)

These findings from the biologist report are in concurrence with wildland fuels found in the Landfire database used for the fire modeling in this report. The majority of the future wildland interface will be woodlands with the exception of the remaining chaparral areas to the west of the Project Site in an undeveloped parcel (within the Lime Rock development area). The bio report validates the Landfire data at a macro level.

Photos of site wildland fuels are provided on the following pages in Photo 1 through Photo 4. In Appendix A, site photos for all areas are provided.

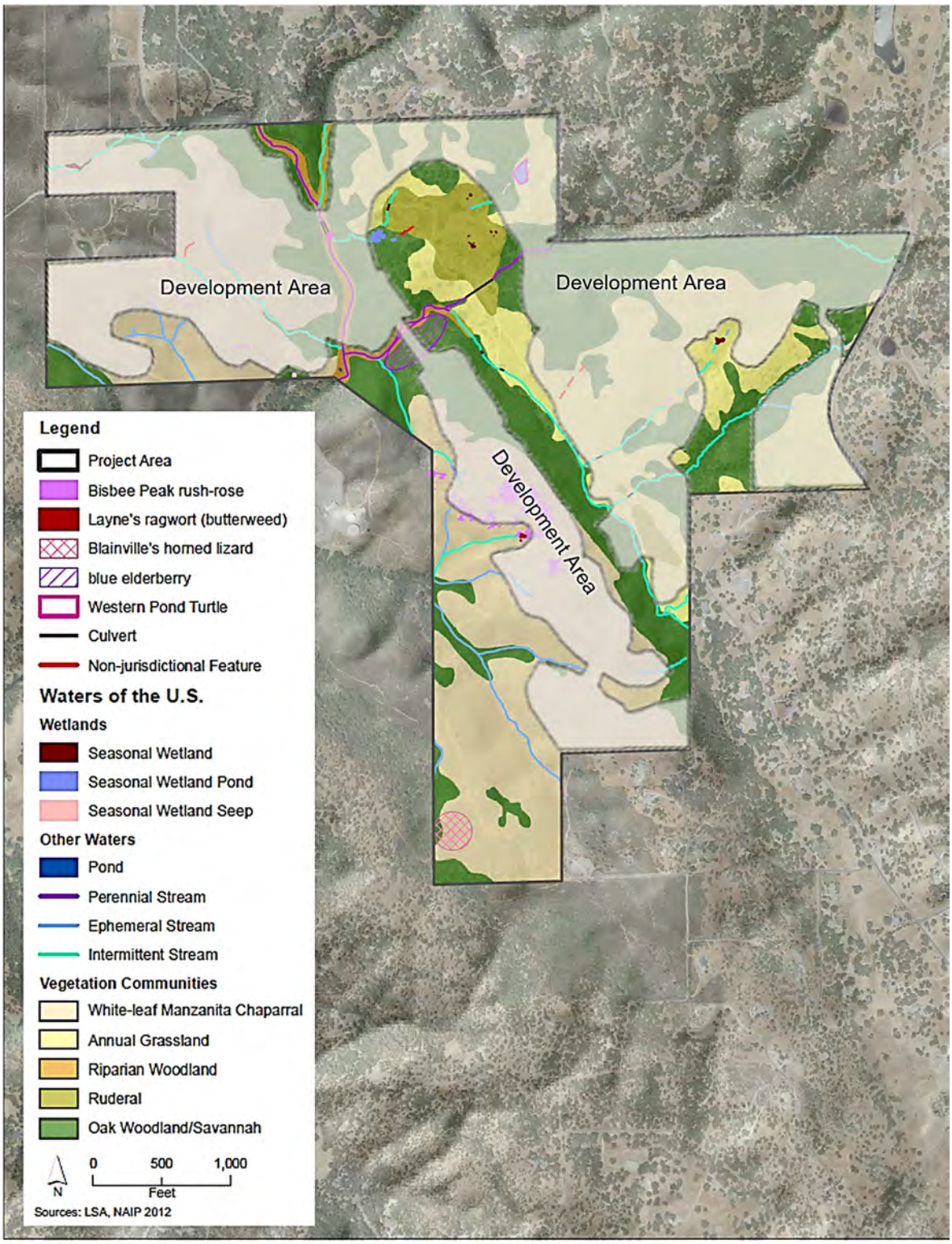


Figure 21 – Vegetation Communities with Development Overlay

Photo 1 -Chaparral Fuels



Photo 2 – Open Canopy Understory Fuels



Photo 3 – Grassland Fuels



Photo 4 – Wildland Tree Litter Fuels



Slope

Slope can influence how a fire will move up or down hills. A fire that ignites at the bottom of a steep slope will spread much more quickly upwards because it can pre-heat the upcoming fuels with rising hot air. The upward drafts are more likely to create spot-fire conditions. In the absence of winds, fires usually move faster uphill than downhill, so the steeper the slope, the faster a fire moves. Wind can overpower the slope factor, but generally, steeper slopes result in more extreme fire behavior. If the slope is below a site, it will have a more significant impact on the site than if the slope is moving up and away from the site.

Slope can be measured in degrees or percentages. A 45-degree angle is a 100% slope because it rises one foot for each linear foot of the slope. Figure 22 provides an illustration of the slopes around the Project Site prior to grading. The slope percentages shown in the graphic are averaged for the 30-meter grid that is displayed for that area. In the graphic one of the possible configurations is provided for reference. The slopes within the development area will be changed during the grading process and, for the most part, will be reduced in steepness or averaged over a larger area. For the purposes of this report, the portions of land in the native interfaces where the wildland fires could be burning are the "area of interest" as they will not be modified and will retain the native fuels.

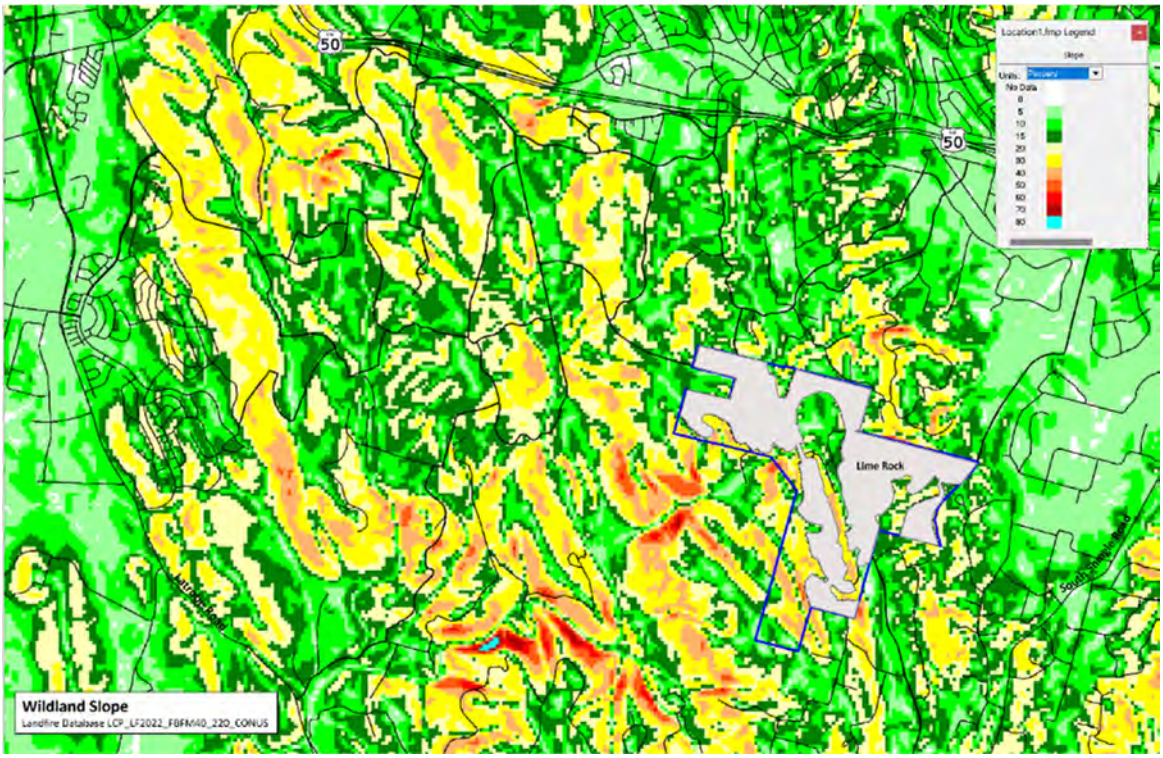


Figure 22 – Slope Map

When averaged over the 30-meter grids, there are no areas with slopes over 50 percent in the interface areas of the Project Site. Manufactured slopes within the development area may be 50 percent or greater in some cases, but they would be in the "managed area" of the development and not in the native areas at the interface. All slopes within the development area which are within 100 feet of a structure will be maintained in accordance with the applicable defensible space standards as required by the California Public Resources Code 4291 by the AHJ.

Aspect and Elevation

Aspect is the compass direction the slope faces. Elevation and aspect can determine how hot and dry a given area will be. Aspect, in particular, often dictates the amount of direct sunlight that wildland fuels will receive in areas where slopes are steep enough to cast shadows. South aspects tend to get more sun than any other aspect, and north aspects, if the slope is significant enough, can be sheltered from the sun's heat and drying effects. This is why, under the right conditions, fuel loading on the northern aspects of some drainages tend to have more fuel. An example from the Project Site is provided in Figure 23.

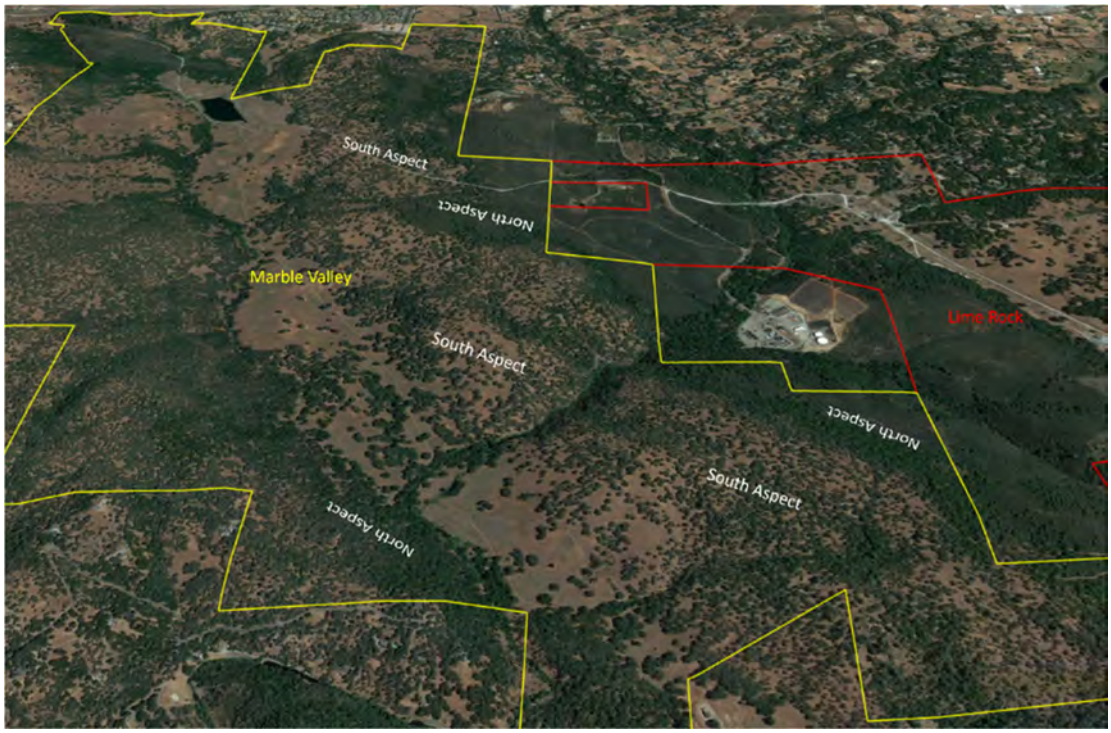


Figure 23 – Aspect Example

The National Wildfire Coordinating Group (NWCG) speaks to the issue of south-facing slopes in the S190 (Introduction to Wildland Fire Behavior) training materials. It states, "In the Northern Hemisphere, the slopes facing south receive direct sun rays and become hotter than the slopes facing any other direction. The higher temperature on the southern exposures results in lower humidity, rapid loss of fuel and soil moisture, and drier, lighter, flashy fuels such as grass. All of these things add together to make southern slopes more susceptible to fires than northern slopes." This statement about northern/southern slopes does not apply to wind-driven fires, only slope and fuel-driven fires. When winds are from the N or NE and align with the heavier fuels on the north slopes, the possibility of extreme wildland fire behavior is increased exponentially. (*S190 - Introduction to Wildland Fire Behavior, Module 2: Principles of Wildland Fire Behavior, Topic 2: Topography, Aspect, p3,* https://training.nwcg.gov/classes/S190/508Files/071231_s190_m2_508.pdf)

The Aspect Map (Figure 24) provides an illustration of how the topography will interact with the Project Site. The Project Site development area is provided in gray for reference. With the Marble Valley running from north-northwest to south-southeast, the interface aspect is varied and complex. The Elevation Map (Figure 25) indicates how the site rises to the north/east.

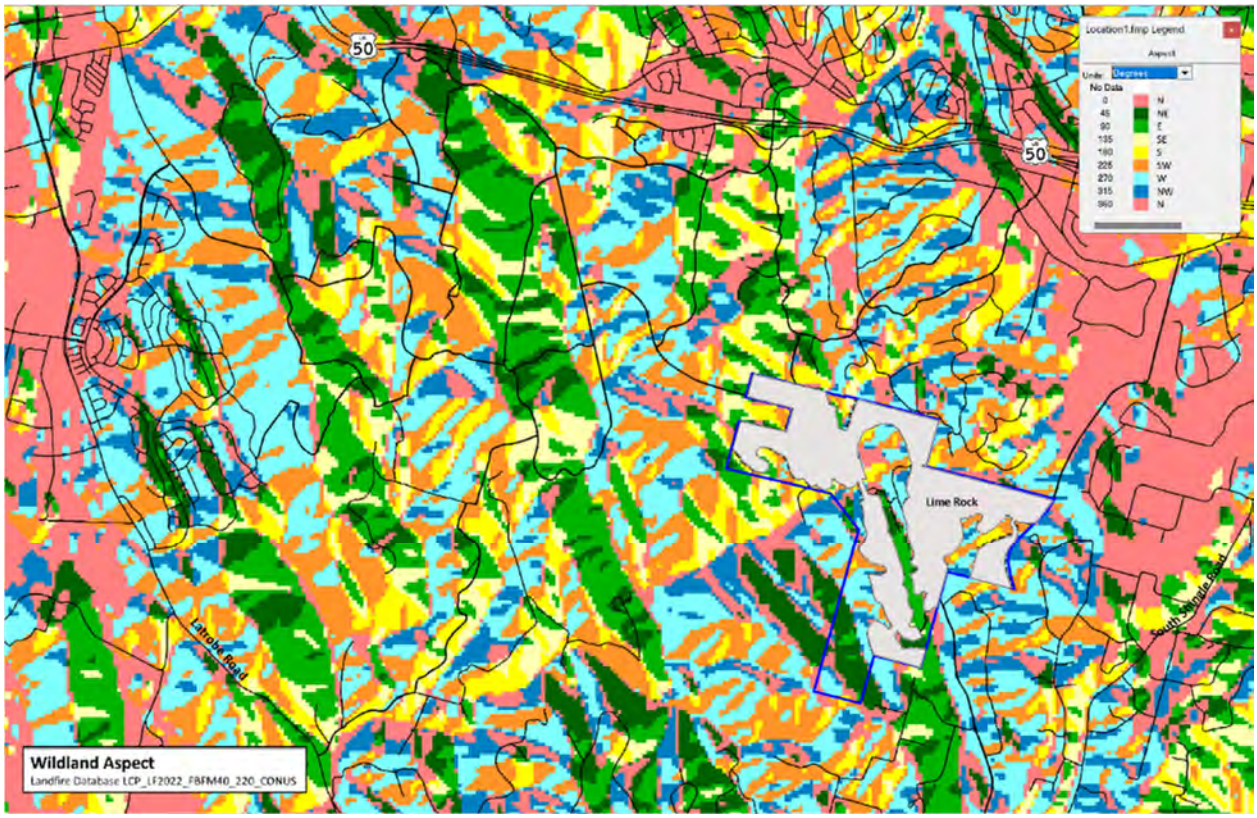


Figure 24 – Aspect Map

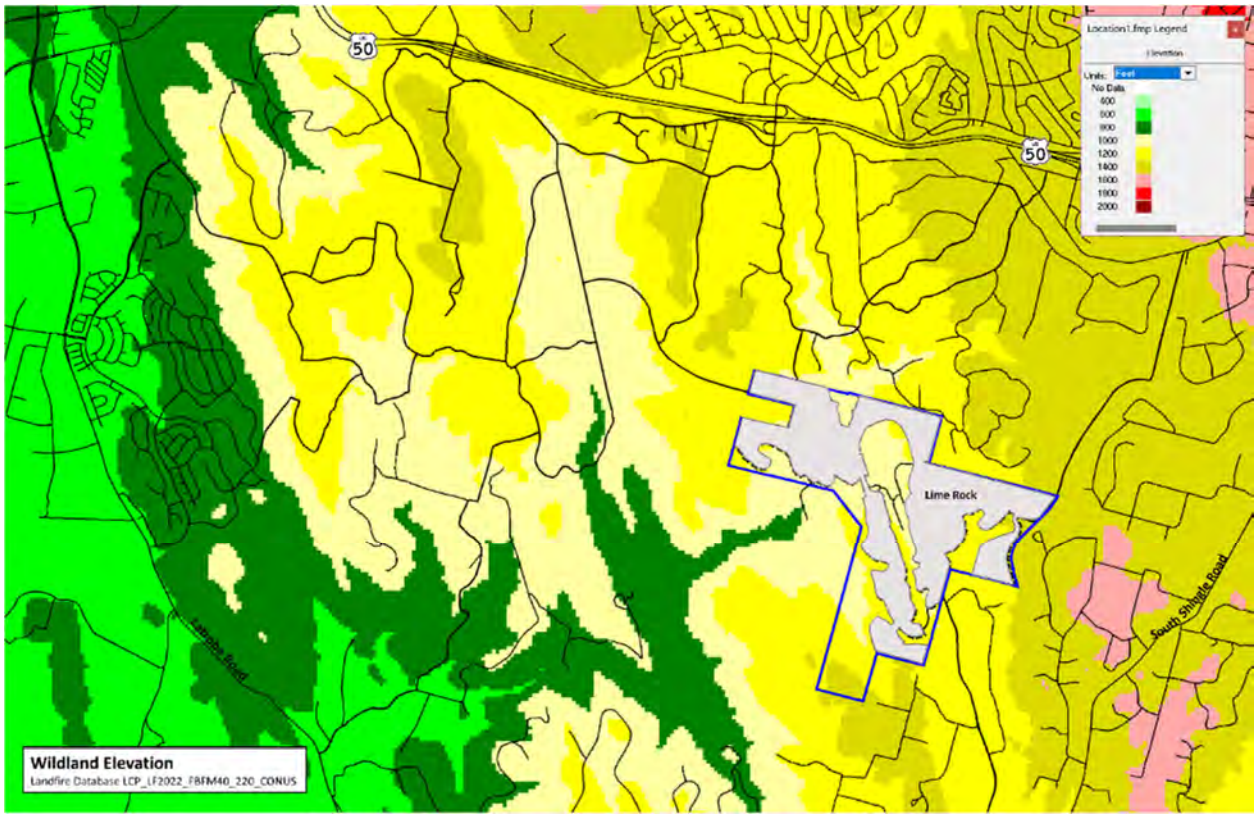


Figure 25 – Elevation Map

Weather

The data from the previously discussed data sites provide the needed assumptions for fire modeling. In addition to the what (data), it is important to understand the why. For the Project Site, the wind has the largest impact on the amount of risk that can be expected from wildland fires. The topography, fuels, and configurations of the interface between the Project Site and the remaining native vegetation are relatively stable (changes are mostly over longer timeframes), whereas weather changes rapidly and often throughout the day, week, months, and seasons.

In the Project Site area, the wind tends to have a large impact on the temperature, relative humidity, fuel moisture, and direction of fire travel. When it comes to wildland fire behavior impacts, winds for the Project Site are driven primarily by two conditions, diurnal flow, and high-pressure areas.

Air moves from high-pressure areas to low-pressure areas. The bigger the difference between the pressures, the faster the air will move from the high to the low pressure. That rush of air is wind. Diurnal flow is created when the land mass heats up (mountains and deserts particularly), creating a low-pressure area (rising air). Cooler air from over the ocean or in the valleys flows to fill these low-pressure areas. To some degree, this occurs every day. Solar heating causes daytime slope/valley winds, and when the night comes, the flow reverses once the air over the ocean/valley is warmer than the air over the mountains. This is depicted in Figure 26 and Figure 27.

Winds caused by high-pressure areas can be extreme, depending on the pressure difference and the topography through which the air flows. Weather fronts and large high-pressure domes can override normal air flow. These winds have various names at different locations around California (as shown in Figure 28). One such event is a high-pressure area to the north/east of the Project Site (often called a high-pressure dome) which sets up air flow from the interior moving toward a low pressure over the ocean. This creates the Diablo and Mono wind events that occur regularly in the central part of California but more often in the fall. Figure 29, on page 38, illustrates how the flow might occur when the high pressure is east and north of the Project Site.



Figure 26 – Valley Winds Flow

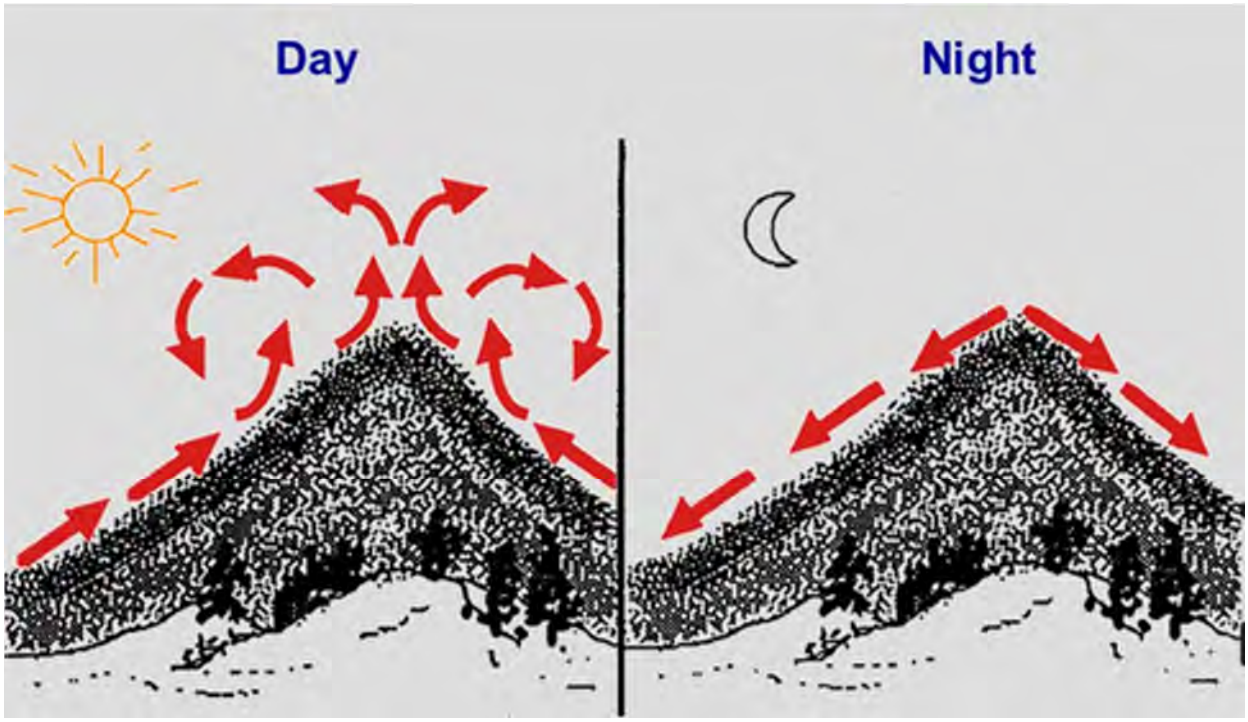


Figure 27 – Slope Winds

Very often, the high pressure moves down the east side of the Sierra Nevada Mountain range. While moving from the north to the south across the high desert area it creates a pressure difference between the sinking dry/cold air in the high-pressure area and the warm rising air over the ocean. The intensity of the wind event is driven by the pressure difference between the high- and low-pressure areas.

Diablo winds tend to warm as they travel across the dry areas to the east (sometimes hot areas). The moisture in the air (RH) can be further reduced by this arid region. The winds are channeled by the topography, and in some cases, the wind speeds are significantly increased by this process. This results in high winds which are hot, dry, and sustained.

At the Project Site, Diablo winds will normally come from the N, NNE, or NE due to the way the air flows through the mountain passes to the north and east of the Project Site.

Most extreme fire behavior in the area around the Project Site occurs during a Diablo wind event. These events dissipate when the high-pressure area moves off to the east or south.

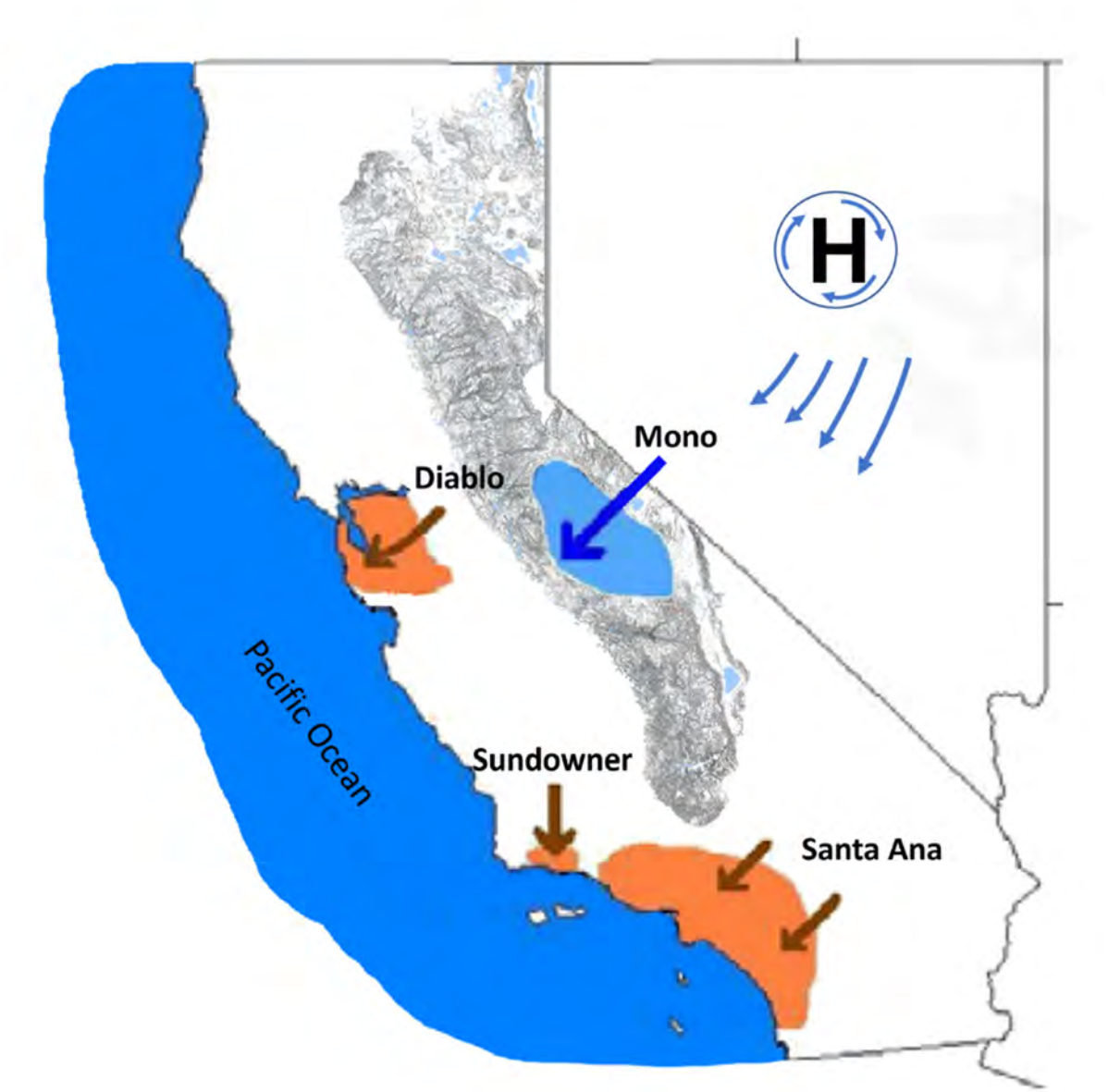


Figure 28 – Foehn Winds in California

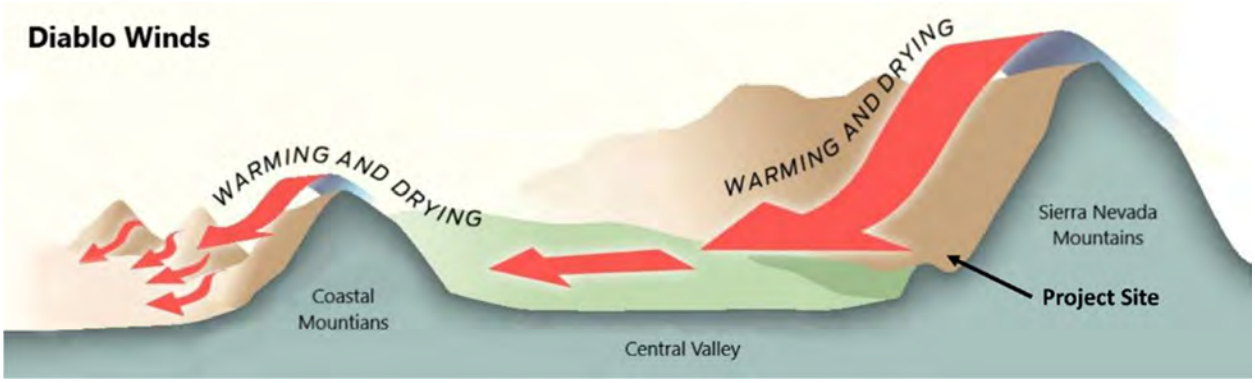


Figure 29 – Diablo Wind Event

Historical

California has a history of extreme fire conditions which are often accompanied by winds from the north and east. These winds are the main cause of large fires developing resulting in the loss of structures and lives in California.

In a research paper published in 2018, entitled "A Surface Observation Based Climatology of Diablo-Like Winds in California's Wine Country and Western Sierra Nevada" the researchers found that Diablo winds occurs not only in the San Francisco Bay area but also in the western Sierra Nevada mountains.

> *During the October 2017 Northern California Firestorm, Diablo winds were thrust to the forefront of the public consciousness and the broader wildfire meteorology community as a meteorological phenomenon, about which little is known. Our analysis showed that conditions similar to Diablo winds tend to occur at night or in the early morning and are most common during the cool season (late fall through spring). However, our analysis is somewhat constrained by the binary nature of our criteria, and we did not consider the eastern San Francisco Bay Area nor the San Francisco Peninsula. Further research is required to address many issues posed by the sparse RAWS network used in this study, including the production and analysis of a long-term, high resolution downscaled numerical climatology. Of the total number of Diablo-like wind conditions, identified on a daily basis per area, 35% occurred north of the San Francisco Bay area only, 41% occurred in the western Sierra Nevada only, and 23% occurred in both areas. Thus, conditions similar to Diablo winds appear to be just as common in the Sierra Nevada as they are in the area north of the San Francisco Bay Area.*
>
> *This implies that they are a regional wind system of Northern California and not a local phenomenon of the San Francisco Bay Area. This indicates that wildfire fighting resources may be required throughout Northern California, including the western Sierra Nevada, when conditions similar to Diablo winds are forecast. Since historical usage of the term Diablo winds was initially confined to the Oakland Hills, it might be more appropriate to refer to Diablo-like wind conditions in the Sierra Nevada as "Diablos del Sierra" or "Bruja" winds. Associated numerical weather simulations (not shown) strongly suggest the downstream linking of mountain wave breaking over the Sierra Nevada to Diablo wind conditions north of the San Francisco Bay Area.* ***We hypothesize that this mechanism drives Diablo-like wind conditions in both areas and that vertical profiles of wind speed and stability, east of the Sierra Nevada, play a primary role in determining the altitude at which the Sierra downslope jet is lofted off the surface and control of the characteristics of Diablo winds in the San Francisco Bay Area.*** (Smith C, Hatchett BJ, Kaplan M. A Surface Observation Based Climatology of Diablo-Like Winds in California's Wine Country and Western Sierra Nevada. Fire. 2018; 1(2):25. https://doi.org/10.3390/fire1020025)

The weather data around the Project Site does not show significant wind events but it does show pronounced N to NE flow which is likely in these events.

Expected Fire Activity Based on History

Based on the location of the Project Site adjacent to the State Route 50 freeway (source of many fire ignitions) and the proximity of the historic fire corridor to the south and west, coupled with the probability of wind events in the area during times of low moisture (fuel and air), it must be assumed that some fire behavior is going to occur near the Project Site in the near future and continue.

A review of the fire history within 10 miles of the Project Site reveals limited large wildland fire activity in the immediate area around the Project Site. (Figure 30). There is no record of a fire greater than 50 acres on the Project Site within the past 22 years. The nearest fire, over 50 acres, is on the west side of Latrobe Road, approximately 1.5 miles to the west of the project boundary. The increase in fire resources over the past 22 years, coupled with fuels management by CalFire has reduced the frequency of large fires in the general area of the Project Site. Fires can and will continue to occur in the general area due to the nature of the native fuels, but, at least in the past two decades, efforts to minimize these fires have been successful in this area.

To the east of the Project Site (approximately 17 miles) is the location of the Caldor Fire 2021, which started on August 14th and contained on Oct 21st consuming over 220,000 acres or 347 square miles. This fire destroyed 1,003 structures and damaged 81 more. The Caldor Fire started at an elevation of approximately 3,200 feet and burned up to and over the Sierra Nevada divide on down into the Tahoe Basin (Figure 31). This fire was driven by wind, topography and fuel all being in alignment for more of the large runs that the fire made. The conditions that created this level of extreme fire behavior simply do not exist on or near the Project Site. The Project Site is mostly Oak Woodland, whereas the area consumed in the Caldor Fire is mostly Conifer Woodlands. Fire behavior in these two types of woodland is significantly different. The 2021 Caldor Fire (CA-ENF-023040) Burned Area Emergency Response (BAER), Assessment Report Summary, by the Eldorado National Forest and Lake Tahoe Basin Mgt Unit, Pacific Southwest Region, USDA Forest Service, dated October 2021, states:

> *These dominant vegetation communities are found within the fire perimeter areas: alpine dwarf-shrub, annual non-native grassland, blue-oak/foothill pine, chamise/redshank chaparral, Jeffery pine, lodgepole pine, mixed chaparral, montane chaparral, montane hardwood/ conifer, perennial grassland, ponderosa pine, red fir, Sierran mixed conifer, subalpine conifer, wet meadow, and white fir.*

The Project Site interface has chaparral fuel areas and once ignited, these fuels will likely burn with great intensity and be difficult to stop. Without historic fire frequency, this chaparral is highly dense and will have a significant dead component as there has been no fire to reduce this load in the recorded large fire database history. Oak Woodlands, on the other hand, do not tend to have the same level of buildup (dead component) resulting in less intense fire behavior. The grass understory of the oaks would have approximately one ton of total fuel load per acre where the chaparral fuels would range from 8 to 15 tons per acre. Large areas of understory shrubs have not been found on the Project Site or surrounding areas nor evidence that it has occurred in the past (dead and downed materials).

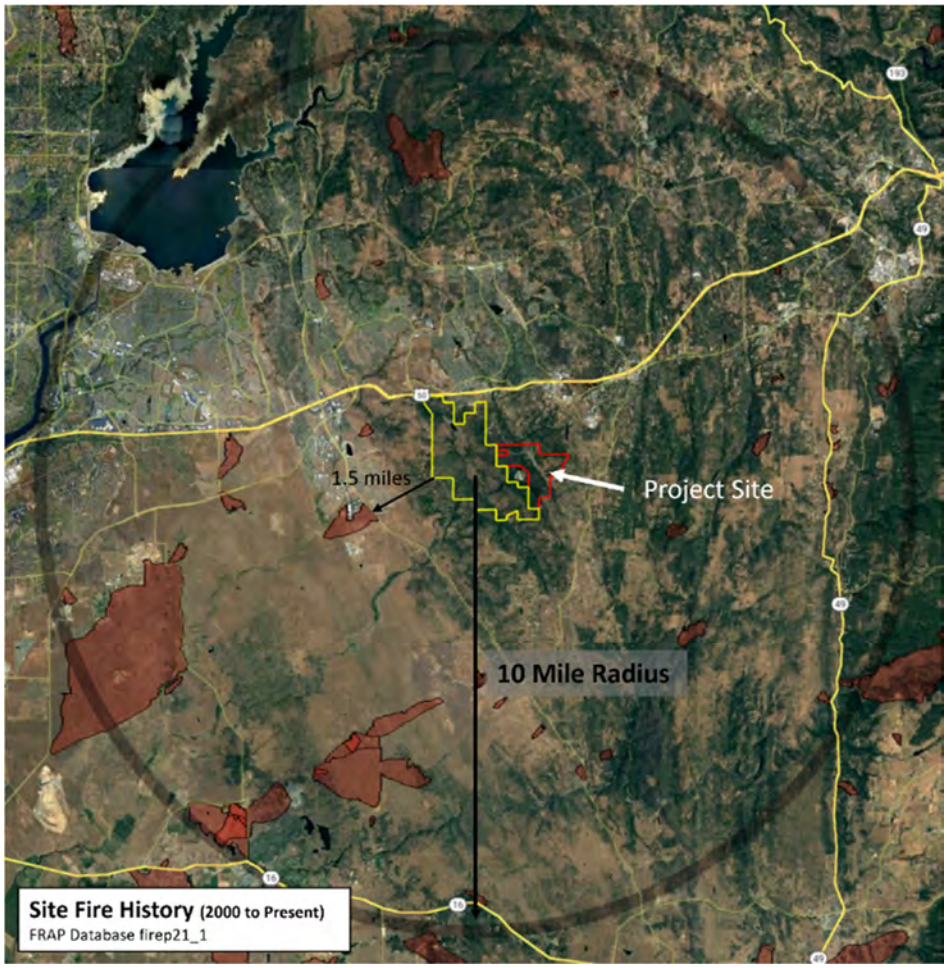


Figure 30 – Recent Fire History

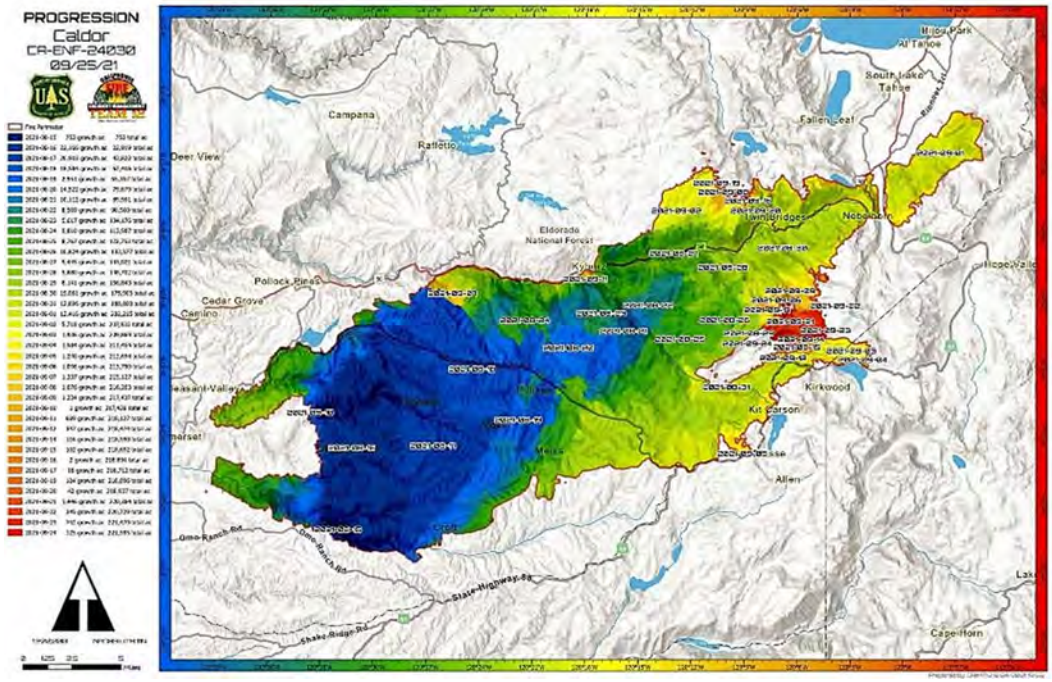


Figure 31 – Caldor Fire Progression Map

Wildfire Risk

The assessment of Wildfire Risk is to examine the hazards in terms of the vulnerability of the assets at risk, the amount of exposure those assets have, and the susceptibility of the assets to wildfire.

Vulnerability

Vulnerability must be examined at multiple levels (Regional, Landscape, Community, and Parcel). At the end of the day, it all comes down to time, distance, and shielding. The amount of time that the fire will impact the area, the distance between the fire and the structures/residents, and the ability of the Project Site to shield its structures/residents from the harmful effects of the fire.

In terms of regional vulnerability, state-wide studies such as the Caltrans Climate Change Vulnerability Assessment Statewide Summary Report 2021 provide a good overview of how different regions of the state of California are expected to be impacted by various climate change issues.

> CalTrans completed a statewide Caltrans Climate Change Vulnerability Assessment for the entire State Highway System in 2019. This study involved applying climate data to refine the agency's understanding of potential climate impacts to the State Highway System, and Caltrans coordinated with various state and federal agencies and academic institutions to obtain the best available climate data for California. Discussions with professionals from various engineering disciplines helped identify how changing climate hazards may affect highways, including their design. The assessment allowed Caltrans to begin to understand how climate change may affect the highway and identified a subset of State Highway System assets on which to focus future efforts. (https://dot.ca.gov/-/media/dot-media/programs/transportation-planning/documents/office-of-smart-mobility-and-climate-change/caltrans-climate-change-vulnerability-assessment-statewide-summary-feb2021-a11y.pdf)

Table 1 (Figure 32 in this report) summarizes the lengths of the State Highway System that passes through the medium to very-high wildfire exposure areas. The Project Site is located in District 3 which is expected to see a 0% increase (none) in the number of State Highway System miles that pass through the medium to very high wildfire exposure areas.

At the Parcel level, the issue of vulnerability is more specific to the actual structure, the amount of defensible space, and the degree of "hardening" of the structure. The current building code standards for structures in the Fire Hazard Severity Zones create the ability for the structure to be more survivable during a fire in the interface. This issue has been studied, and the findings support this view.

The CalFire DSpace (Defensible Space) and DINS (Damage Inspection) Program Analysis program completed an assessment to analyze the effectiveness of Chapter 7A building codes, where they performed a spatial analysis that compared the location of damaged/destroyed commercial and residential structures for the seven largest fires that occurred in 2017 and 2018 (Atlas, Camp, Carr, Nuns, Thomas, Tubbs, and Woolsey) to a 2018 statewide parcel layer. Parcel data, maintained by counties primarily for location and tax purposes, is the most authoritative dataset for information regarding the value and year built of structures in each area.

Table 1: Centerline Miles of Highway Exposed by Year

District	Year 2025	2055	2085	
1	585	702	784	34.0%
2	1519	1534	1544	1.6%
3	743	743	743	0.0%
4	377	546	631	67.4%
5	761	837	875	15.0%
6	638	630	638	0.0%
7	442	451	461	4.3%
8	483	556	655	35.6%
9	296	333	349	17.9%
10	781	786	786	0.6%
11	371	378	423	14.0%
12	71	72	72	1.4%
Total	7068	7567	7961	12.6%



CALTRANS CLIMATE CHANGE VULNERABILITY ASSESSMENT STATEWIDE SUMMARY REPORT 2021

Figure 32 – CalTrans Climate Change Vulnerability Assessment Wildfire 2021

This research demonstrates the power of geospatial information to inform research-based decisions. The study demonstrated that structures built to pre-Chapter 7A building codes were more likely to be destroyed in the seven largest fires on record between 2017 and 2018 (Atlas, Camp, Carr, Nuns, Thomas, Tubbs, and Woolsey). The results also demonstrate that residential structures built in High and Very High Fire Hazard Severity Zones (FHSZ) were less likely to be destroyed by wildfire than those built in Low FHSZ and Urban classifications.

Using over 1,000 pre-fire home inspections, we were able to use real-world data to analyze what factors were most strongly associated with residential structure loss in the Camp Fire. Our findings indicate that wooden roofs, single-pane windows, wooden decks/patios, combustible exterior siding, and a combustible fence attached to a structure are the attributes that are most likely to increase the odds of loss for a residential structure. Structures with double pane windows and patio/carport covers, decks, and exterior siding made of non-combustible materials had a significantly lower chance of structure loss. (CAL FIRE Defensible Space and Damage Inspection Program Data Analysis, August 27, 2019, Steven R. Hawks, William L. Brewer) Compliance with fire resistance construction standards is enforced through defensible space inspections and AB38 inspections.

Between the Regional level and Parcel level are the Landscape and Community levels. The Landscape level is about the vegetation surrounding the development. The U.S. Fire Administration defines this level as:

> *Wildland landscapes are the dense natural areas that surround the community. These large natural areas can be made up of thousands or even millions of acres. They contain diverse natural fuel types, have undergone various levels of*

> *development or management, and are under the oversight of state, federal, tribes, cities or other agencies and organizations.*
>
> *These landscapes require the highest level of collaborative management and partnership. Local fire resources can actively work with the larger land management partners in establishing forest management discussions, project prioritization, strategic planning and implementation efforts.* (U.S. *Fire Administration, Wildfire, Healthy Landscapes, https://www.usfa.fema.gov/wui/healthy-landscapes/)*

At the Community level are the issues of placement on the topography, fuel modification/ defensible space zones, roadside clearance, allowable plant palette, and infrastructure (roads, water, design).

Vulnerability is further divided into Exposure and Susceptibility for the purpose of analysis in the case of wildland fires.

Exposure

Exposure is the result of Likelihood and Intensity combining or occurring simultaneously. A community or structure can be directly exposed to wildfire from adjacent wildland vegetation (direct flame contact, radiated heat exposure, or convected heat exposure), or indirectly exposed to wildfire from embers and home-to-home ignition.

The Project Site will have structures that are constructed in accordance with the current codes (at the time of construction) with respect to wildland fire safety. This means that they will be "hardened", they will have defensible space designed into the configuration, they will be protected with automatic fire sprinklers per NFPA standards, and the entire Project Site will have fuel modification/defensible space zones in accordance with the development requirement of the Fire Department (up to 100' minimum distance). Direct exposure to a wildland fire is extremely unlikely, given the requirements applied to this development. Indirect (embers and brands) are likely to occur during a fire in the adjacent wildland. Requirements in the California Building Code Chapter 7A and in the California Residential Code Section R337 provide for ember protection through requirements on vents, gutters, roof valleys, decks, exterior siding, eave protection and several other areas where fire embers might be an issue if they were to land or collect. Leaf guards on gutter is one example of such protection requirements.

The issue of home-to-home ignition is addressed by several risk reduction measures which include: the automatic fire sprinkler systems which are designed to hold the fire to the room of origin, the increased fire resistance nature of the exterior of the structures, the use of double-pane windows with one pane being required to be tempered glass and requirement of Chapter 49 of the Fire Code, and the Public Resources Code Section 4291 which provides for the requirements of the "home ignition zone" to reduce the possibility of structure ignition or fire movement between structures.

The CalFire DSpace and DINS Program Analysis program concluded that "… *a higher proportion of parcels built pre-Chapter 7A contained a destroyed structure and a greater proportion of parcels with no damaged or destroyed contained a structure built post 2009"*. It also concluded that, "… *results also demonstrate that residential structures built in High and Very High Fire Hazard Severity Zones (FHSZ) were less likely to be destroyed by wildfire than those built in Low*

FHSZ and Urban classifications" which provides some data on the improved outcomes in the zones where construction features are required to be increased for direct and indirect wildland fire impacts.

Susceptibility

The Lime Rock project has been designed in a manner that provides efficient protection from wildfires. Perimeter structures must be protected from radiant heat, direct flame contact, and convected heat to a higher degree than the structures which are in the interior of the development envelope. This protection is achieved through distance, shielding, and limiting the amount of fuel near the structures. This shielding of interior structures equates to decreased risk potential.

While the current project configuration is not an Intermix condition (as described on page 15), the convoluted interface will increase the complexity of the fire behavior closer to the development area but using a "system's approach" by having fuel modification/defensible space zones interconnected and designed as a whole provide for a significant barrier to fire encroachment into the development areas. The use of defensible space, structure hardening, wildland fuel elimination and modification and placement of the structure on the topography to avoid problematic conditions such as saddles, chimneys, ridgeline wind acceleration, and problematic wildland fuels, creates an overall protection system that is multifaceted and provided for synergistic protections as well as some level of extra protection. These factors are examined in the Fire Safe Plan and addressed in the plan review process for the tract/parcel map. For example, keeping the flaming front of the fire at a distance that will reduce radiant heat issues, but still providing tempered glass in the double-paned windows creates this type of extra protection.

Climatic Conditions

Increasing Temperatures: While temperature increases are likely, according to most of the published materials on climate change in California, the Project Site is not likely to be impacted by this change in terms of wildland fire behavior. The USGS report cited earlier stated, "*Higher temperatures during or in the months prior to Santa Ana Wind events were generally not associated with the area burned."* The same is thought to be true for Diablo Winds. Higher temperatures may well increase the curing rate (rate at which the seasonal growth loses moisture and becomes a dead fuel) of seasonal grasses and increase the decline in fuel moisture during the dry periods, but the wildland fuels which are adjacent to and within the Project Site are relatively drought tolerant. Where they not, they would have already succumbed to the current drought cycles in the region. The temperature is certainly important on an incident-level analysis, but this assessment is considering the worst-case scenario and has already assumed that this has occurred. (https://www.usgs.gov/news/research-spotlight-ignitions-and-wind-speed-are-strongest-drivers-area-burned-santa-ana-wind).

Shifting Wind Patterns: The Diablo/Mono winds will continue to shape wildfire activity across the impacted areas in California. While Fire Weather and Fire Behavior Modelers continue working to determine how these wind events will be impacted by climate change, this analysis has already taken the worst-case wind into account from the current data available.

Precipitation: The amount of rainfall and when it occurs have an extreme impact on fire conditions every year. Drought-impacted fuels are also more susceptible to wildfire. Grasslands in particular have a "boom/bust" growth cycle. Low growth in the dry years and high growth in the wet years.

The Project Site will be resilient to wildfire even in the high grassland fuel level years. Wildland fuels in this analysis have assumed an extremely low level of moisture in both the dead and live fuels to account for this aspect of climate change. Changing patterns of rainfall will impact plant growth, thereby altering the amount of fuel for fires.

Changes in Wildland Fuels: After a fire, the lack of precipitation will have an effect on the vegetation that returns. Invasive plants may overtake the native species after a fire. *Most evidence indicates that the strongest impacts of invasive plants on fire regimes in California occur in grasslands and riparian areas*. During this interval where invasives are present, fires may have faster rates of spread but will have lower fireline intensity as they generally have less fuel loading.

> When one thinks of fire in California, one immediately thinks of the massive conflagrations that occur in central and southern California chaparral and sage-scrub ecosystems, particularly because of their close proximity to dense population centers. These closed-canopy shrublands—particularly intact chaparral—are in fact, relatively resistant to invasion by non-native species. However, non-native plants are increasingly closely tied to fire dynamics and to ecosystem responses to fire in some regions.
>
> Under natural conditions, chaparral communities retain most fuels in the canopy layer and have relatively long fire intervals (greater than 20 years). Contrary to common perception, foliar tissue does not easily ignite except under super-heated conditions or when leaf tissue moisture is low. However, several weedy forbs and grasses tend to thrive at the disturbed edges of these shrublands along roads, power lines, and fuel breaks where shrubs are removed. The invasive, annual grasses that often colonize these areas dry out much earlier in the spring than the native shrubs, and with their high surface area to volume ratio, they are more prone to ignition than the native vegetation. Mediterranean grasses such as Bromus species and slender oats (Avena barbata) are particularly implicated since they act as wicks, spreading fast-moving fire into the canopies of larger shrub vegetation.
> (Invasive Species and Fire in California Ecosystems, Adam M. Lambert, Carla M. D'Antonio, and Tom L. Dudley, 2010).

The Project Site has both shrub and grass fuels at the perimeter/interface in addition to the treed interfaces. The modeling will show fire activity in the shrub, grass/shrub mixtures, and grass fuels as well as the canopied fuels. All four of these are accounted for in the analysis. This report does not suggest that the Project Site would use prescribed fire for control purposes, but this may be an option to the regional fire agencies.

Shifting Insect Habitat: Insect infestations are rising in response to the changing climate, increasing tree mortality—particularly in the Sierra Nevada regions —and reducing carbon storage according to the Best Practices for Analyzing and Mitigating Wildfire Impacts of Development Projects Under the California Environmental Quality Act published by the California Attorney General in October of 2022. The Project Site has many trees of various species. Insect infestations are not expected to impact the Project Site in any meaningful way. The biological report on the Project Site has addressed this issue.

The management of Oak Woodlands is complex but overall, fire, used correctly, can be a benefit, especially when done under controlled conditions that do not damage the oaks while reducing the overall risk to adjacent areas.

> *For thousands of years, natural and anthropogenic fire have played an important role in oak woodlands of California. Frequent burning by Native Americans before European settlement resulted in low-intensity fires that maintained open stands of large oaks with little shrub cover, creating a fine-grained mosaic of vegetation patches. Following European American settlement in the mid-1800s, ranchers also conducted burns. Fire history studies indicate that average fire return intervals in oak woodlands in the late nineteenth to early twentieth centuries were from 8 to 15 years, at least in some areas. Fire suppression, begun in the 1940s and 1950s, increased surface and crown fuels, invasion of woody vegetation in the understory, and tree density. The effects of past fires are important to consider when making recommendations for wildlife species. Because these conditions existed for such a long time, they represent conditions under which species evolved and to which they are adapted.*
>
> *Prescribed fire can be used to reintroduce fire into the ecosystem and co mimic historic fire regimes. Current land ownership patterns complicate prescribed burning plans in many areas, particularly those in urban-wildland interface areas. With careful planning and attention, however, low-intensity prescribed fires can be safely implemented and can achieve the desired results. Moderate- co low-intensity fires rarely kill mature oaks because their thick bark protects them from damage. However, even a low-intensity fire often kills the tops of seedlings, saplings, and small trees, though most will resprout from their base. Most scientific evidence indicates that typical oak woodland understory fires do not adversely affect the majority of terrestrial vertebrate populations. In an experimental fire that burned over approximately 50 percent of 500 acres (200 ha) of mixed blue oak-coast live oak woodland in central coastal California, there was no appreciable loss of canopy cover, shrubbery, or snags (Vreeland and Tietje 2002). Although grass cover was reduced by 70 percent and downed wood and woodrat houses by 30 percent, there were no substantial or long-term negative impacts to over 150 species of birds, small mammals amphibians, and reptiles monitored 2 years before and 4 years after the fire.* (A Planner's Guide for Oak Woodlands, Second Edition, University of California, Agriculture and Natural Resources, Publication 3491, pages 26-27)

Hazard and Risk Summary

The Project Site is embedded in an area that is adjacent to native wildland fuels on most of the Project Site wildland interface; it will have a wildland interface along the project perimeter. The Project Site is located, for the most part, within the Marble Valley drainage, where most fuels will be oak woodlands with some areas of grassland and chaparral. According to the CalFire database, fires have historically occurred with regular frequency in the regional area around the Project Site but none have burned over the Project Site that is contained within the CalFire database. Current scientific studies (cited previously in this report) indicate that large fire activity will involve winds

pushing the fire to achieve extreme fire behavior. This does not mean that every time the wind blows on a hot day a large fire will occur or that extreme fire behavior is guaranteed based on weather alone. The Highway 50 corridor is a potential source of many fires within the area but also serves as a barrier to some fires (fire perimeter stops at the freeway) where fire conditions (ember cast) do not allow the fire to cross over the freeway and continue to burn. Extreme fire behavior is possible and should be modeled in any scenario in which fire behavior outputs are to be used in this report. This is the basis for the analysis that follows.

The Project Site will need to mitigate against direct fire impingement, radiant heat impingement, convected heat impacts, and ember/brand intrusion, which are all required by the current Regulations. Additionally, modeling will need to demonstrate that the Project Site can be evacuated in a timely manner or that if evacuation is not possible because of the location of the incipient fire, the community will be able to provide "areas of refuge" until it is safe to evacuate, or the fire is suppressed. This analysis is done in a separate document.

Project Impacts Related to Wildland Fires

Ingress/Egress

The Project Site configuration has two access points that will be used on a daily basis for ingress and egress (Marble Valley Road to the Bass Lake Road Interchange (NW Access) and Deer Creek Road/Flying C Road to the Cambridge Road Interchange (N Access)). Five EVA (Emergency Vehicle Access) points are identified, with two serving the Marble Valley site primarily and three serving the Lime Rock site primarily, but all of which could be used by either project is completed. The location of each is shown in Figure 33.

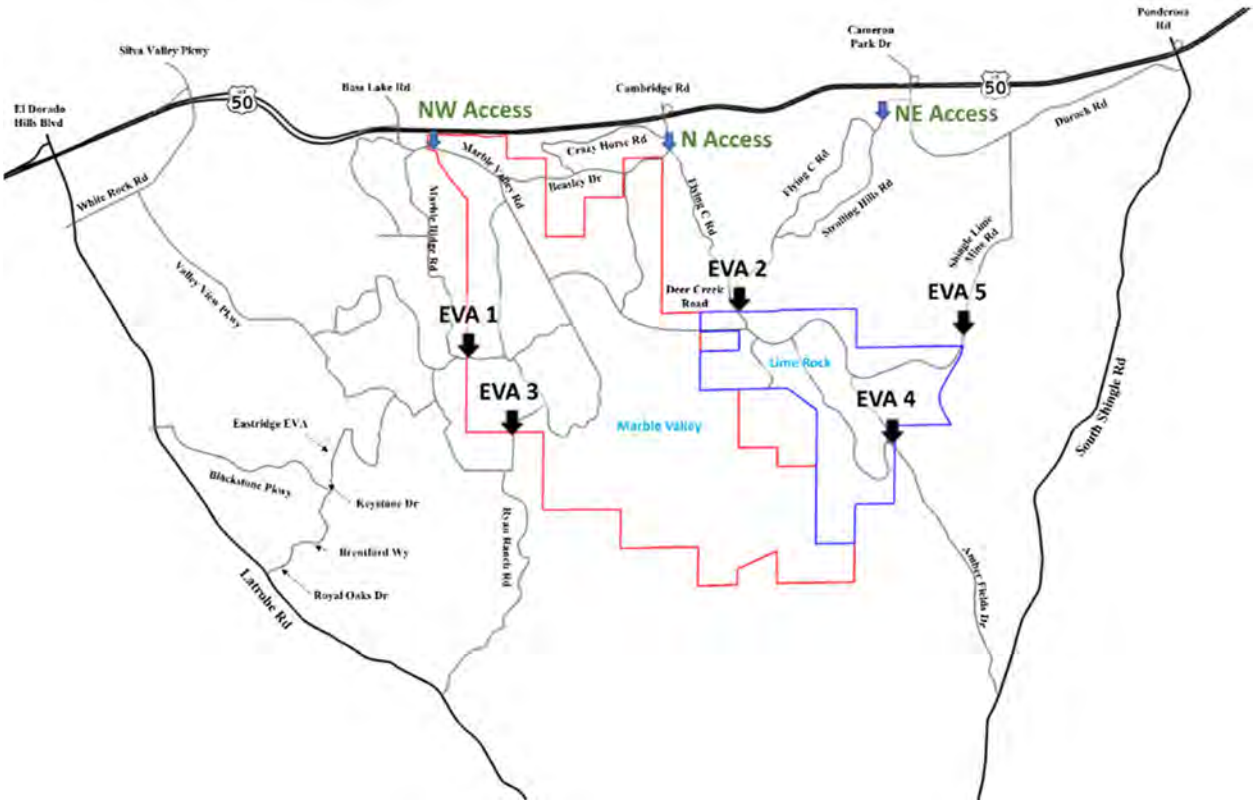


Figure 33 – Evac (Evacuation) Points

These locations will be analyzed in the Evacuation Modeling by the Traffic Engineer using the fire behavior information to determine when each site would no longer be viable for use under fire conditions.

Fire Modeling

Fire modeling will provide a number of outputs that can be used to examine the need and appropriateness of project design features and risk reduction measures. Static modeling is for a given location or condition which does not account for variables over the landscape. The BehavePlus modeling software will be used for this purpose. *"The BehavePlus, Fire Behavior Prediction, and Fuel Modeling System is the most popular and accurate method for predicting wildland fire behavior in pre-fire defense planning. The BehavePlus fire behavior computer modeling system is utilized by wildland fire experts nationwide. Because the model was designed to predict the spread of a fire, the fire model describes the fire behavior only within the flaming front. The primary driving force in the fire behavior calculations is the dead fuel less than ¼" in diameter; these are the fine fuels that carry the fire. Fuels larger than ¼" in diameter contribute to fire intensity, but not necessarily to fire spread. The BehavePlus fire model describes a wildfire spreading through surface fuels, which are burnable materials within 6' of the ground and contiguous to the ground. This type of modeling demonstrates the potential of wind, or a slope-driven fire that could potentially enter the fuel modification zones from the adjacent wildland areas."* (Andrews, Patricia L. 2014 (published online 2013). Current status and future needs of the BehavePlus Fire Modeling System. International Journal of Wildland Fire 23(1):21-33.)

The Regional modeling in this report will be accomplished using FlamMap, which can simulate potential fire behavior characteristics (spread rate, flame length, fireline intensity, etc.), fire growth and spread, and conditional burn probabilities under constant environmental conditions (weather and fuel moisture). The version used in this report (Version 6.1) includes a FARSITE module (previously a separate application) which allows for outputs on wildfire growth and behavior for longer time periods under heterogeneous conditions of terrain, fuels, fuel moistures, and weather.

Because environmental conditions remain constant when using FlamMap, MTT (Minimum Travel Time), Burn Probability, and TOM (Treatment Optimization Modeling), it will not simulate temporal variations in fire behavior caused by weather and diurnal fluctuations as FARSITE does. Nor will it display spatial variations caused by backing or flanking fire behavior. These limitations need to be considered when viewing FlamMap output using these models in an absolute rather than relative sense. However, these outputs are well-suited for Landscape-level comparisons of fuel treatment effectiveness because fuel is the only variable that changes. Outputs and comparisons can be used to identify combinations of hazardous fuel and topography, aiding in prioritizing fuel treatments.

The FlamMap software creates a variety of vector and raster maps of potential fire behavior characteristics (for example, spread rate, flame length, crown fire activity) and environmental conditions (dead fuel moistures, mid-flame wind speeds, and solar irradiance) over an entire landscape or for specific modeling applications these same outputs are limited to the simulation footprint (MTT and FARSITE). For practical purposes, the most important result of the FARSITE tests to date has been that **spread rates for all fuel models tended to be over-predicted** by the

Rothermel spread equation (Rothermel 1972). (https://firelab.org/project/flammap). The overall result produces a conservative/worst-case analysis.

Static modeling (BehavePlus)

For the Static modeling, a worst-case fire scenario based on current and expected conditions was used. The modeling input assumptions are:

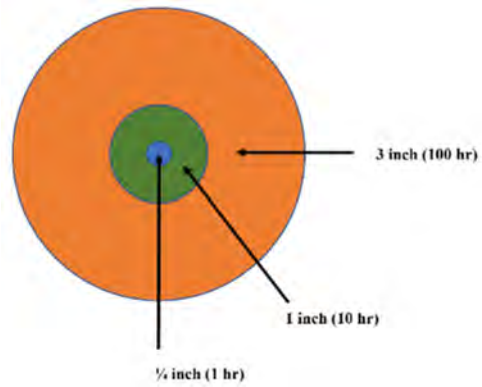


Figure 34 - Dead Fuel Moisture Sizes

1-hr Dead Fuel Moisture	3%
10-hr Dead Fuel Moisture	4%
100-hr Dead Fuel Moisture	5%
Live Herbaceous Fuel Moisture	30%
Live Woody Fuel Moisture	50%

Wind Speeds at 0, 30, 40, 50, and 65 mph with an adjustment factor of 0.5 (unprotected) were used for all to attain the midflame wind speeds. Winds are assumed to upslope in full alignment with the fuel and slope. Outputs are for the head of the fire (leading edge) in the direction of maximum spread. Inputs for the modeling are shown in Figure 35.

Inputs: SURFACE		
Description		Lime Rock Fuel Comparison
Fuel/Vegetation, Surface/Understory		
Fuel Model		gr1, gr2, gr4, gs1, gs2, sh2, sh5, s
Fuel Moisture		
1-h Fuel Moisture	%	3
10-h Fuel Moisture	%	4
100-h Fuel Moisture	%	5
Live Herbaceous Fuel Moisture	%	30
Live Woody Fuel Moisture	%	50
Weather		
20-ft Wind Speed (upslope)	mi/h	0, 30, 40, 50, 65
Wind Adjustment Factor		0.5
Terrain		
Slope Steepness	%	50

Figure 35 – BehavePlus Inputs for Worst-case Scenario

The outputs are provided in Appendix B (Modeling Outputs) of this report. In Figure 36 the Flame length outputs for each of the select fuel models are provided with some additional information for perspective. The outputs are highlighted, green for the grasslands, yellow for the chaparral, and blue for the oak shrub understory (healthy oak will have a grass understory if the canopies are closed enough). Flame lengths are provided for the various wind speeds from calm (0 mph) to 65 mph. Statistically, the top end of the wind speed would be around 40 mph from the weather history (only two times over 60 mph in 22 years). This modeling is also assuming it is running upslope (50% slope) in alignment with the wind in a continuous fuelbed.

At 40 mph wind speed, the gr2 produces a 11.6-foot flame length and in the gr4, it is 33.7 feet. Within the chaparral, if the sh5/sh7 models are used, the flame lengths are 42.5 and 39.9 respectively. If the SCAL chaparral fuel models are used for manzanita (SCAL14), the 40-mph flame length is 28.1 feet ,and the Chamise models are less. Using the worst-case scenario, this report will assume the sh5 fuel model as the worst-case. California-specific fuel models labeled SCAL are Fuel models designed to be used with the BehavePlus software for fuel in southern California. They will likely overestimate fire behavior in the El Dorado region. The SCAL fuel models are species specific (manzanita, chamise, ceanothus) and provide a solid measurement of the fuels ability to burn under specific conditions. They are used here to illustrate the similarities and differences between the fuel specific models and the overall shrub models (sh2, sh5, sh7).

Lime Rock Fuel Comparison

Head Fire

Surface Fire Flame Length (ft)

Fuel Model	20-ft Wind Speed (upslope) mi/h				
	0	30	40	50	65
gr1	1.8	2.6	2.6	2.6	2.6
gr2	4.2	11.6	11.6	11.6	11.6
gr4	7.8	25.1	30.1	33.7	33.7
gs1	3.5	11.1	11.7	11.7	11.7
gs2	5.1	16.1	19.2	22.2	23.4
sh2	4.8	13.5	16.0	18.2	21.4
sh5	12.2	36.8	42.5	47.7	54.7
sh7	12.0	34.6	39.9	44.7	51.2
tu4	5.5	17.3	21.1	24.7	29.8
tu5	7.3	18.2	20.8	23.2	26.5
tl1	0.6	0.8	0.8	0.8	0.8
tl2	0.8	1.4	1.4	1.4	1.4
tl3	1.0	1.9	1.9	1.9	1.9
tl4	1.3	2.8	2.8	2.8	2.8
tl5	1.9	5.4	6.0	6.0	6.0
tl6	2.5	7.2	8.6	10.0	10.5
tl8	3.1	8.5	10.1	11.5	13.6
SCAL14	9.8	25.2	28.1	30.6	34.0
SCAL15	7.3	20.1	22.9	25.3	28.6
SCAL16	9.6	27.3	31.1	34.5	39.0
SCAL17	6.5	20.2	23.9	27.3	32.1

Fuel Model	Label	Description
101	gr1	Short, sparse, dry climate grass (D)
102	gr2	Low load, dry climate grass (D)
104	gr4	Moderate load, dry climate grass (D)
121	gs1	Low load, dry climate grass-shrub (D)
122	gs2	Moderate load, dry climate grass-shrub (D)
142	sh2	Moderate load, dry climate shrub (S)
145	sh5	High load, dry climate shrub (S)
147	sh7	Very high load, dry climate shrub (S)
164	tu4	Dwarf conifer understory (S)
165	tu5	Very high load, dry climate timber-shrub (S)
181	tl1	Low load, compact conifer litter (S)
182	tl2	Low load broadleaf litter (S)
183	tl3	Moderate load conifer litter (S)
184	tl4	Small downed logs (S)
185	tl5	High load conifer litter (S)
186	tl6	High load broadleaf litter (S)
188	tl8	Long-needle litter (S)
14	SCAL14	Manzanita
15	SCAL15	Chamise 1
16	SCAL16	North Slope Ceanothus
17	SCAL17	Chamise 2

Figure 36 – BehavePlus Output for Flame Length (all fuels)

* Appendix B, provides fuel model descriptions

At zero wind/zero slope, the maximum flame length is only 12.2' (yellow highlight). Adding a 30-mph wind to the slope nearly triples the flame length to 36.8'. Adding an additional ten mph of wind speed increases the flame length by just over 6 feet at the 40-mph mark and another 5 feet at the 50-mph mark. All three of the grass models (gr1, gr2 and gr4) ran out of fuel. The gr1 fuel is maximized by 30 mph. The gr2 by 40 mph and the gr4 are maximized by the 50-mph wind level and do not increase the flame lengths after that point regardless of the wind increase.

The fuel parameters (the variables for each of the fuel models) for each of the dry climate fuels near the Project Site are provided in Figure 37. These standardized fuel models account for the amount of fuel available for combustion (Fuel Load), the size of the fuel in relationship to the area (SAV ratio or Surface Area to Volume ratio), the fuel bed depth, the level of moisture at which the fuel will no longer combust (moisture of extinction), the amount of live fuel that can be transferred to combustible fuel (Transfer rate), the amount of energy that the particular fuel model can be expected to release (Heat Content) and the amount of dead vs live fuel (live fuel must have the moisture driven off before it can combust).

Fuel model parameters

Fuel Model Code	Fuel Model Number	Climate	Fuel load (t/ac) 1-hr	10-hr	100-hr	Live herb	Live woody	Fuel model type[a]	SAV ratio (1/ft)[b] Dead 1-hr	Live herb	Live woody	Fuel bed depth (ft)	Dead fuel extinction moisture (percent)	Heat content BTU/lb)[c]	Dead Component Calculation: Fuel Model Code	100% Transfer: Dead	Herb	Dead load
SCAL14	N/A	N/A	3.00	4.50	1.05	1.45	5.00	static	350	1500	250	3.0	15	9211	SCAL14	8.55	no transfer	8.55
SCAL15	N/A	N/A	2.00	3.00	1.00	0.50	2.00	static	640	220	640	3.0	13	10000	SCAL15	6.00	no transfer	6.00
SCAL16	N/A	N/A	2.25	4.80	1.80	3.00	2.85	static	500	1500	500	6.0	15	8000	SCAL16	8.85	no transfer	8.85
SCAL17	N/A	N/A	1.30	1.00	1.00	2.00	2.00	static	640	2200	640	4.0	20	8000	SCAL17	3.30	no transfer	3.30
GR1	101	Dry	0.10	0.00	0.00	0.30	0.00	dynamic	2200	2000	9999	0.4	15	8000	GR1	0.10	0.30	0.19
GR2	102	Dry	0.10	0.00	0.00	1.00	0.00	dynamic	2000	1800	9999	1.0	15	8000	GR2	0.10	1.00	1.10
GR4	104	Dry	0.25	0.00	0.00	1.90	0.00	dynamic	2000	1800	9999	2.0	15	8000	GR4	0.25	1.90	2.15
GS1	121	Dry	0.20	0.00	0.00	0.50	0.65	dynamic	2000	1800	1800	0.9	15	8000	GS1	0.20	0.50	0.45
GS2	122	Dry	0.50	0.50	0.00	0.60	1.00	dynamic	2000	1800	1800	1.5	15	8000	GS2	1.00	0.60	1.36
SH1	141	Dry	0.25	0.25	0.00	0.15	1.30	dynamic	2000	1800	1600	1.0	15	8000	SH1	0.50	0.15	0.52
SH2	142	Dry	1.35	2.40	0.75	0.00	3.85	static	2000	9999	1600	1.0	15	8000	SH2	4.50	no transfer	4.50
SH5	145	Dry	3.60	2.10	0.00	0.00	2.90	static	750	9999	1600	6.0	15	8000	SH5	5.70	no transfer	5.70
SH7	147	Dry	3.50	5.30	2.20	0.00	3.40	static	750	9999	1600	6.0	15	8000	SH7	11.00	no transfer	11.00
TU1	161	Dry	0.20	0.90	1.50	0.20	0.90	dynamic	2000	1800	1600	0.6	20	8000	TU1	2.60	0.20	2.64
TU4	164	Dry	4.50	0.00	0.00	0.00	2.00	static	2300	9999	2000	0.5	12	8000	TU4	4.50	no transfer	4.50
TU5	165	Dry	4.00	4.00	3.00	0.00	3.00	static	1500	9999	750	1.0	25	8000	TU5	11.00	no transfer	11.00
TL1	181	N/A	1.00	2.20	3.60	0.00	0.00	static	2000	9999	9999	0.2	30	8000	TL1	6.80	no transfer	6.80
TL2	182	N/A	1.40	2.30	2.20	0.00	0.00	static	2000	9999	9999	0.2	25	8000	TL2	5.90	no transfer	5.90
TL3	183	N/A	0.50	2.20	2.80	0.00	0.00	static	2000	9999	9999	0.3	20	8000	TL3	5.50	no transfer	5.50
TL4	184	N/A	0.50	1.50	4.20	0.00	0.00	static	2000	9999	9999	0.4	25	8000	TL4	6.20	no transfer	6.20
TL5	185	N/A	1.15	2.50	4.40	0.00	0.00	static	2000	9999	1600	0.6	25	8000	TL5	8.05	no transfer	8.05
TL6	186	N/A	2.40	1.20	1.20	0.00	0.00	static	2000	9999	9999	0.3	25	8000	TL6	4.80	no transfer	4.80
TL8	188	N/A	5.80	1.40	1.10	0.00	0.00	static	1800	9999	9999	0.3	35	8000	TL8	8.30	no transfer	8.30

Figure 37 – Wildland Fuel Model Parameters(a larger version is provided in Appendix B)
The red highlighted is to distinguish the six-foot fuel beds.

Also of note is the Rate of Spread for each of the fuels under different wind speeds, as shown in Figure 38. Under these extreme conditions, the gr4 fuel is traveling at 16 mph in a 50-mph wind, and the sh5 fuel is traveling at 12 mph in the 66-mph wind. This is extreme fire behavior.

Static modeling has shown that flame lengths of 54.7 feet could be expected if the fire was running upslope, in alignment with the wind, in a continuous fuelbed in a sh5 fuel. BehavePlus 6.0.0 has a chaparral module for refining these calculations.

If this module is run in the same scenario parameters and the maximum value for fuelbed depth is input at 8 feet, and the Dead Load Fraction is set to the maximum value in the model of 43%, and the total fuel load is set to 31tons per acre, the maximum flame length is 53.9 feet, as shown in Figure 40.

Increasing the dead load actually slows the ROS (see appendix Behave runs).

Lime Rock Fuel Comparison

Head Fire

Surface Fire Rate of Spread (ch/h)

Fuel Model	20-ft Wind Speed (upslope) mi/h				
	0	30	40	50	65
gr1	12.4	27.3	27.3	27.3	27.3
gr2	26.7	244.3	244.3	244.3	244.3
gr4	53.6	679.4	1005.4	1287.8	1287.8
gs1	13.3	164.3	184.8	184.8	184.8
gs2	18.6	225.7	333.7	454.9	513.8
sh2	6.2	59.8	86.1	115.1	163.1
sh5	37.2	406.2	556.7	714.5	962.4
sh7	26.5	263.8	359.6	459.8	616.9
tu4	9.7	116.8	180.3	254.5	383.9
tu5	7.7	55.5	74.7	94.8	126.3
tl1	0.7	1.4	1.4	1.4	1.4
tl2	1.0	3.7	3.7	3.7	3.7
tl3	1.3	5.2	5.2	5.2	5.2
tl4	1.8	10.0	10.0	10.0	10.0
tl5	3.1	28.9	36.9	36.9	36.9
tl6	4.2	42.2	62.8	86.2	95.5
tl8	4.5	38.7	56.1	75.6	108.1
SCAL14	11.6	89.7	113.8	137.5	172.4
SCAL15	13.3	122.0	160.9	200.4	260.7
SCAL16	19.7	188.5	250.5	313.9	411.0
SCAL17	21.0	242.5	350.8	470.3	667.1

66 feet to the chain/80 chains to the mile

gr4 is traveling 16 mph in a 50 mph wind
sh5 is traveling 12 mph in a 65 mph wind

Figure 38 – BehavePlus Output for Rate of Spread (all fuels)

Based on the worst-case modeling calculations, a maximum flame length of approximately 55 feet could be expected under extreme conditions which are not present on the Project Site currently or in the recent past.

Inputs: SURFACE

Description		Chaparral Fuel Scenario Worst Case
Fuel/Vegetation, Surface/Understory		
Chaparral Fuel Bed Depth	ft	8
Chaparral Dead Load Fraction	%	32, 33, 34, 35, 36, 40, 41, 42, 43,
Chaparral Total Fuel Load	ton/ac	25, 28, 29, 31
Fuel Moisture		
1-h Fuel Moisture	%	3
10-h Fuel Moisture	%	4
100-h Fuel Moisture	%	5
Live Herbaceous Fuel Moisture	%	30
Live Woody Fuel Moisture	%	50
Weather		
20-ft Wind Speed	mi/h	65
Wind Adjustment Factor		0.5
Wind Direction (from north)	deg	45
Terrain		
Slope Steepness	%	50
Site Aspect	deg	45

Chaparral Fuel Scenario Worst Case

Head Fire

Surface Fire Flame Length (ft)

Chaparral Fuel Dead Load Fraction %	Chaparral Total Fuel Load ton/ac 25	28	29	31
32	46.1	49.0	49.9	51.7
33	46.4	49.3	50.3	52.0
34	46.7	49.6	50.6	52.4
35	46.9	49.9	50.9	52.7
36	47.2	50.2	51.1	52.9
40	47.7	50.8	51.8	53.7
41	47.8	50.9	51.9	53.8
42	47.8	50.9	51.9	53.8
43	47.8	50.9	51.9	53.9
44	47.7	50.9	51.9	53.9
45	47.7	50.9	51.9	53.8
46	47.5	50.8	51.8	53.8
47	47.4	50.6	51.7	53.7
48	47.2	50.5	51.5	53.5
49	47.0	50.3	51.3	53.3
50	46.7	50.0	51.1	53.1

Figure 39 – BehavePlus Inputs/Outputs for Chaparral Fuels Comparision

Regional Modeling (FlamMap/MTT)

Using the FlamMap software, it is possible to track the expected path of the fire across the landscape (wildland) and provide rough timeframes for the arrival of the fire front. Specifically, the Minimum Travel Time (MTT) module provides both the path of the fire (major and minor paths) and the excepted arrival interval from the starting point of the scenario. In this section, this function will be used to estimate the amount of time that would be available for evacuation at each of the Evacuation Points discussed earlier. Each scenario will be completed for all four configurations (No project, Marble Valley development, Lime Rock development and both developments). The information generated here will be used in the traffic analysis for evacuation timeframes.

The inputs to the FlamMap software are as follows:

- Winds are scenario specific based on the weather history for the area. 99th percentile value was under 40 mph.
- Foliar Moisture Content is set to 100%.
- Crown Fire Calculation Method set to Finney (2004) as this is the method used in the FarSite modeling software, and it the most appropriate for the model as it is being used (minimum travel time).
- Winds are calculated using Generated Gridded Wind (Wind Ninja) rather than generating them in Wind Ninja and importing the results.
- Fuel Moisture settings were fixed using a 3,4,5,30,50 moisture scenario as discussed previously.
- Fuel Moisture Conditions were not used as the moisture scenario is worst-case. Since the lowest recorded moisture is being used, conditioning the fuels will not lower them.
- Maximum Simulation Time was set to 480 minutes as the evacuations would be completed prior to this point.
- Spot Probability was set to 100% to maximize the worst-case conditions.
- Spotting Delay was set to zero to maximize the worst-case conditions.
- Ignition and barrier files are scenario specific but identical for each configuration alternative.

Scenarios have been completed for sixteen locations with various site-specific wind speeds and directions (as indicated in the matrix). Each of these fires corresponds to historic wind data from the weather site discussed previously and summarized in Figures 27 and 31 above. Each scenario has been accomplished for each of the development configurations. Outputs are provided in the appendixes. The outcomes are summarized in the matrix beginning on the next page. The matrix specifies the amount of time that the Evacuation Point would remain viable during the specific scenario.

Matrix 1 – Outputs from FlamMap Modeling

Scenario #	Location	NW	N	NE	EVA 1	EVA 2	EVA 3	EVA 4	EVA 5
1-A 1-B 1-C	Latrobe Rd North of Ryan Ranch Rd SW 65 No Development	A-360+ B-300+ C-240+	A-60 B-60 C-90	A-360+ B-None C-None	A-90+ B-90 C-90	A-300+ B-240+ C-240+	A-30-N/A B-30-N/A C-30-N/A	A-None B-None C-None	A-None B-None C-None
1-D	Latrobe Rd North of Ryan Ranch Rd SW 65 Marble	400+	360+	None	100	270+	40 – N/A	None	None
1-E	Latrobe Rd North of Ryan Ranch Rd SW 65 Lime	N/A (360+)	N/A (55)	None	N/A (60)	360	N/A (30)	None	None
1-F	Latrobe Rd North of Ryan Ranch Rd SW 65 Both	400+	360+	None	100	270+	N/A (40)	None	None
1-G	Latrobe Rd North of Ryan Ranch Rd SW 50 No Development	300+	60+	360+	90	240+	N/A (40)	None	None
1-H	Latrobe Rd North of Ryan Ranch Rd SW 50 Marble	270+	None	None	90	400+	N/A (45)	None	None
1-I	Latrobe Rd North of Ryan Ranch Rd SW 50 Lime	N/A**(300+)	N/A (60)	None	N/A (90)	360	N/A (45)	None	None
1-J	Latrobe Rd North of Ryan Ranch Rd SW 50 Both	270+	None	None	100+	None	N/A (45)	None	None
1-K	Latrobe Rd North of Ryan Ranch Rd SW 40 No Development	240+	90+	None	90+	300+	N/A (45)	None	None
1-L	Latrobe Rd North of Ryan Ranch Rd SW 40 Marble	240+	None	None	85	400+	N/A (45)	None	None
1-M	Latrobe Rd North of Ryan Ranch Rd SW 40 Lime	N/A**(240+)	90	None	N/A (90)	210	N/A (45)	None	None
1-N	Latrobe Rd North of Ryan Ranch Rd SW 40 Both	270+	None	None	90	None	N/A (55)	None	None
1-O	Latrobe Rd North of Ryan Ranch Rd SW 30 No Development	240+	120+	None	90+	240+	N/A (65)	None	None
1-P	Latrobe Rd North of Ryan Ranch Rd SW 30 Marble	270	None	None	110	None	N/A (65)	None	None
1-Q	Latrobe Rd North of Ryan Ranch Rd SW 30 Lime	N/A** (300+)	120	None	N/A (90)	230	N/A (65)	None	None
1-R	Latrobe Rd North of Ryan Ranch Rd SW 30 Both	270	None	None	110	None	N/A (65)	None	None

Scenario #	Location	NW	N	NE	EVA 1	EVA 2	EVA 3	EVA 4	EVA 5
1-S	Latrobe Rd North of Ryan Ranch Rd WSW 65 No Development	None	360+	None	300+	200+	N/A** (240+)	360+	300+
1-T	Latrobe Rd North of Ryan Ranch Rd WSW 65 Marble	None	None	None	None	200	N/A** (240+)	360+	360+
1-U	Latrobe Rd North of Ryan Ranch Rd WSW 65 Lime	N/A** (None)	220**	None	N/A** (360+)	220	N/A** (240+)	None	None
1-V	Latrobe Rd North of Ryan Ranch Rd WSE 65 Both	None	None	None	360+	None	N/A** (240+)	None	None
2-A	Ryan Ranch Rd to Beaver Pond Rd SW 65 No Development	None	N/A (20)	150+	360+	N/A (20)	N/A (0)	None	None
2-B	Ryan Ranch Rd to Beaver Pond Rd SW 65 Marble	None	145	N/A (120)	360+	N/A (50)	N/A (115)	N/A** (None)	N/A** (None)
2-C	Ryan Ranch Rd to Beaver Pond Rd SW 65 Lime	N/A (None)	N/A (20)	N/A (160)	N/A (0)	N/A (20)	N/A (110)	None	None
2-D	Ryan Ranch Rd to Beaver Pond Rd SW 65 Both	None	None	N/A** (300+)	435	N/A (75)	N/A (110)	None	None
2-E	Ryan Ranch Rd to Beaver Pond Rd SSW 65 No Development	150+	N/A (50)	None	N/A (120)	240+	N/A (0)	None	None
2-F	Ryan Ranch Rd to Beaver Pond Rd SSW 65 Marble	250	None	None	175	None	N/A (0)	None	None
2-G	Ryan Ranch Rd to Beaver Pond Rd SSW 65 Lime	N/A** (180+)	N/A (50)	None	N/A (120)	225	N/A (0)	None	None
2-H	Ryan Ranch Rd to Beaver Pond Rd SSW 65 Both	250	300+	None	175	None	N/A (0)	None	None
3-A	End of Beaver Pond Rd SW 65 No Development	None	150+	N/A (60)	None	N/A (0)	None	360+	300+
3-B	End of Beaver Pond Rd SW 65 Marble	None	290	N/A (60)	None	N/A (0)	None	N/A** (360+)	N/A** (300+)
3-C	End of Beaver Pond Rd SW 65 Lime	N/A** (None)	N/A** (150)	N/A** (200+)	N/A** (None)	N/A (0)	N/A** (None)	None	None
3-D	End of Beaver Pond Rd SW 65 Both	None	None	None	None	None	None	None	None

N/A is not accessable. None is no time restriction. Numbers are in minutes (time to egress point no longer viable)
* Only applies if infrastructure (roads) from adjacent project is provided (even if balance of the project is not completed)
** - Based on travel route impacts not Evac Point
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Scenario #	Location	NW	N	NE	EVA 1	EVA 2	EVA 3	EVA 4	EVA 5
3-E	End of Beaver Pond Rd SSW 65 No Development	360+	N/A (0)	360+	None	N/A (0)	360+	None	None
3-F	End of Beaver Pond Rd SSW 65 Marble	None	90	N/A** (None)	None	N/A (0)	360+	N/A** (None)	N/A** (None)
3-G	End of Beaver Pond Rd SSW 65 Lime	N/A** (360+)	N/A (0)	None	N/A** (None)	300+	N/A (0)	None	None
3-H	End of Beaver Pond Rd SSW 65 Both	None	300+	None	None	N/A (0)	360+	None	None
4-A	End of Summer Creek Ct SW 65 No Development	None	360+	N/A (60)	None	90+	None	N/A (30)	N/A (30)
4-B	End of Summer Creek Ct SW 65 Marble	None	None	N/A (90)	None	N/A (150)	None	N/A** (50)	N/A** (50)
4-C	End of Summer Creek Ct SW 65 Lime	210**	230*	120+	N/A** (None)	230	N/A** (None)	90	120
4-D	End of Summer Creek Ct SW 65 Both	None*-	None*	120+	None	None	None	90	120
5-A	Venture Valley Rd at Ranch Gate Rd SW 65 No Development	None	150+	N/A (50)	None	N/A (0)	300+	240+	120+
5-B	Venture Valley Rd at Ranch Gate Rd SW 65 Marble	None	240	N/A (60)	None	N/A (30)	N/A** (240+)	N/A**(210)	N/A** (200+)
5-C	Venture Valley Rd at Ranch Gate Rd SW 65 Lime	N/A** (None)	N/A** (120+)	N/A** (240+)	N/A** (None)	N/A** (120)	N/A** (360+)	300+	300+
5-D	Venture Valley Rd at Ranch Gate Rd SW 65 Both	None	240	N/A (240+)	None	N/A** (120)	N/A **(200+)	300+	300+
5-E	Venture Valley Rd at Ranch Gate Rd SSW 50 No Development	180+	N/A (30)	None	180+	120+	N/A (20)	None	None
5-F	Venture Valley Rd at Ranch Gate Rd SSW 50 Marble	300+	240+	N/A** (None)	250+	N/A** (120)	N/A (20)	N/A** (None)	N/A** (None)
5-G	Venture Valley Rd at Ranch Gate Rd SSW 50 Lime	N/A** (240+)	N/A (40)_	None	N/A** (200+)	N/A** (180+)	N/A (60)	None	None
5-H	Venture Valley Rd at Ranch Gate Rd SSW 50 Both	200+	N/A** (300+)	None	160	120	N/A (20)	None	None

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** - Based on travel route impacts not Evac Point
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Scenario #	Location	NW	N	NE	EVA 1	EVA 2	EVA 3	EVA 4	EVA 5
6-A	Cothrin Ranch Rd at Thunder Ln SW 50 No Development	None	None	None	None	300+	None	N/A (0)**	N/A (40)
6-B	Cothrin Ranch Rd at Thunder Ln SW 50 Marble	None	None	200	None	300+	None	N/A (0)**	N/A (40)
6-C	Cothrin Ranch Rd at Thunder Ln SW 50 Lime	None*	None	300+	None*	300+	None*	N/A (0)**	N/A (90)
6-D	Cothrin Ranch Rd at Thunder Ln SW 50 Both	None	None	None	None	None	None	N/A (0)**	N/A (90)
6-E	Cothrin Ranch Rd at Thunder Ln SSW 50 No Development	None	180+	None	None	N/A** (60)	None	120+	240+
6-F	Cothrin Ranch Rd at Thunder Ln SSW 50 Marble	None	120	N/A** (120)	None	N/A** (60)	None	N/A** (120)	N/A** (300+)
6-G	Cothrin Ranch Rd at Thunder Ln SSW 50 Lime	N/A** (None)	N/A** (150)	N/A** (300+)	N/A** (None)	N/A** (300+)	N/A** (None)	90	210
6-H	Cothrin Ranch Rd at Thunder Ln SSW 50 Both	None	None	N/A** (240+)	None	None	None	90	120
7-A	Bullard Dr west of Amber Fields Dr S 50 No Development	None	180+	180+	None	150+	None	N/A (0)	120+
7-B	Bullard Dr west of Amber Fields Dr S 50 Marble	None	90	N/A** (300+)	None	N/A** (150)	None	N/A** (0)**	N/A** (120)
7-C	Bullard Dr west of Amber Fields Dr S 50 Lime	None*	240+	N/A** (300+)	None*	240+	None*	N/A** (0)**	N/A** (120)
7-D	Bullard Dr west of Amber Fields Dr S 50 Both	None	300+	N/A** (300+)	None	300+	None	N/A** (0)**	N/A** (120)
7-E	Bullard Dr west of Amber Fields Dr SSE 50 No Development	100+	N/A (90)	None	360+	N/A (30)	None	N/A (0)**	360+
7-F	Bullard Dr west of Amber Fields Dr SSE 50 Marble	None	N/A (90)	N/A** (None)	None	N/A (30)	None	N/A (0)**	N/A** (300+)
7-G	Bullard Dr west of Amber Fields Dr SSE 50 Lime	N/A** (120)	N/A (150**)	None	N/A** (360+)	N/A** (120)	N/A** (None)	N/A (0)**	300+
7-H	Bullard Dr west of Amber Fields Dr SSE 50 Both	None	N/A** (150)	None	None	N/A** (120)	None	N/A (0)**	300+

N/A is not accessable. None is no time restriction. Numbers are in minutes (time to egress point no longer viable)
* Only applies if infrastructure (roads) from adjacent project is provided (even if balance of the project is not completed)
** - Based on travel route impacts not Evac Point
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Scenario #	Location	NW	N	NE	EVA 1	EVA 2	EVA 3	EVA 4	EVA 5
8-A	S. Shingle Rd north of Barnett Ranch Rd E 50 No Development	None	None	None	360+	None	N/A (210+)**	150+	None
8-B	S. Shingle Rd north of Barnett Ranch Rd E 50 Marble	None	None	None	None	300+	300+	N/A (0)**	300+**
8-C	S. Shingle Rd north of Barnett Ranch Rd E 50 Lime	None*	None	None	N/A** (360+)	None	N/A** (240+)	N/A** (0)**	None
8-D	S. Shingle Rd north of Barnett Ranch Rd E 50 Both	None	None	None	None	None	N/A** (300+)	N/A (0)**	None
8-E	S. Shingle Rd north of Barnett Ranch Rd ESE 50 No Development	360+	None	None	N/A (50)**	180+	N/A (30)	N/A (0)**	None
8-F	S. Shingle Rd north of Barnett Ranch Rd ESE 50 Marble	None	None	None	N/A (90)**	200+	N/A (90)	N/A (0)**	N/A (None)
8-G	S. Shingle Rd north of Barnett Ranch Rd ESE 50 Lime	None*	None	None	N/A (90)**	300+	N/A (60)_	N/A (0)**	None
8-H	S. Shingle Rd north of Barnett Ranch Rd ESE 50 Both	None	None	None	N/A	None	N/A (90)	N/A (0)**	None
9-A	S. Shingle Rd north of Big Ranch Rd E 50 No Development	None	None	None	180+	240+	N/A (0)**	N/A (60)	180+
9-B	S. Shingle Rd north of Big Ranch Rd E 50 Marble	None	None	None	300+	180+	N/A (90)**	N/A (60)	N/A** (150)
9-C	S. Shingle Rd north of Big Ranch Rd E 50 Lime	None*	None	None	300+*	300+	N/A (150)**	N/A (60)	N/A** (150)
9-D	S. Shingle Rd north of Big Ranch Rd E 50 Both	None	None	None	None	300+	300+	N/A** (120)	N/A** (150)
10-A	Shingle Lime Mine Rd south of Dividend Dr @ RR tracks NE 50 No Development	None	None	None	None	None	None	N/A (0)	N/A (0)
10-B	Shingle Lime Mine Rd south of Dividend Dr @ RR tracks NE 50 Mable	None	None	None	None	None	None	N/A (0)	N/A (0)
10-C	Shingle Lime Mine Rd south of Dividend Dr @ RR tracks NE 50 Lime	None	None	None	None	None	None	N/A (30)**	N/A (0)

N/A is not accessable. None is no time restriction. Numbers are in minutes (time to egress point no longer viable)
* Only applies if infrastructure (roads) from adjacent project is provided (even if balance of the project is not completed)
** - Based on travel route impacts not Evac Point
DRAFT

Scenario #	Location	NW	N	NE	EVA 1	EVA 2	EVA 3	EVA 4	EVA 5
10-D	Shingle Lime Mine Rd south of Dividend Dr @ RR tracks NE 50 Both	None	None	None	None	None	None	N/A (30)**	N/A (0)
10-E	Shingle Lime Mine Rd south of Dividend Dr @ RR tracks ENE 50 No Development	None	None	None	None	360+	300+	180+	N/A** (100+)
10-F	Shingle Lime Mine Rd south of Dividend Dr @ RR tracks ENE 50 Marble	None	None	None	None	300+	N/A (90)**	N/A** (180)	N/A** (100+)
10-G	Shingle Lime Mine Rd south of Dividend Dr @ R R tracks ENE 50 Lime	None	None	None	None	None	N/A** (100+)	240+	N/A **(100+)
10-H	Shingle Lime Mine Rd south of Dividend Dr @ RR tracks ENE 50 Both	None	None	None	None	300+	N/A** (100+)	240+	N/A** (100+)
11-A	Lariat Rd at McNeil Rd NE 50 No Development	None	None	None	None	N/A** (100+)	N/A (60)**	360+	None
11-B	Lariat Rd at McNeil Rd NE 50 Marble	None	None	N/A	None	N/A** (100+)	N/A (60)**	N/A** (360+)	N/A** (360+)
11-C	Lariat Rd at McNeil Rd NE 50 Lime	N/A** (None)	N/A** (None)	N/A** (None)	N/A** (None)	N/A** (120)**	N/A** (240+)	None	None
11-D	Lariat Rd at McNeil Rd NE 50 Both	None	None	N/A** (None)	None	N/A** (120)**	None	None	None
12-A	Fallen Leaf Rd at Flying C Rd N 50 No Development	None	None	None	None	None	None	N/A (30)	360+
12-B	Fallen Leaf Rd at Flying C Rd N 50 Marble	None	None	N/A** (None)	None	300+	None	N/A (30)	N/A** (360+)
12-C	Fallen Leaf Rd at Flying C Rd N 50 Lime	None*	None	None	None*	None	None*	N/A** (150)	300+
12-D	Fallen Leaf Rd at Flying C Rd N 50 Both	None	None	None	None	None	None	N/A** (150)	300+
12-E	Fallen Leaf Rd at Flying C Rd NE 50 No Development	None	None	None	360+	N/A (0)**	N/A (30)_**	None	None
12-F	Fallen Leaf Rd at Flying C Rd NE 50 Marble	None	None	None	None	N/A (0)**	None	N/A** (None)	N/A **(None)

N/A is not accessable. None is no time restriction. Numbers are in minutes (time to egress point no longer viable)

* Only applies if infrastructure (roads) from adjacent project is provided (even if balance of the project is not completed)

** - Based on travel route impacts not Evac Point

DRAFT

Scenario #	Location	NW	N	NE	EVA 1	EVA 2	EVA 3	EVA 4	EVA 5
12-G	Fallen Leaf Rd at Flying C Rd NE 50 Lime	N/A** (None)	N/A** (None)	None	N/A** (360+)	N/A (0)**	N/A (30)**	None	None
12-H	Fallen Leaf Rd at Flying C Rd NE 50 Both	None	None	None	None	N/A (0)**	None	None	None
12-I	Fallen Leaf Rd at Flying C Rd ENE 50 No Development	None	None	None	90+	360+	N/A (70)	None	None
12-J	Fallen Leaf Rd at Flying C Rd ENE 50 Marble	None	None	N/A** (None)	None	N/A** (180)**	N/A** (90)	N/A** (None)	N/A** (None)
12-K	Fallen Leaf Rd at Flying C Rd ENE 50 Lime	N/A** (None)	N/A** (None)	None	N/A (60)**	180+	N/A (60)	None	None
12-L	Fallen Leaf Rd at Flying C Rd ENS 50 Both	None	None	None	None	180+	N/A (120)	None	None
13-A	Crazy Horse Rd at Flying C Rd N 50No Development	None	N/A (0)	None	None	N/A (60)	300+	None	None
13-B	Crazy Horse Rd at Flying C Rd N 50 Marble	None	N/A (0)	N/A (None)	None	N/A (60)	None	N/A (360+)	N/A** (None)
13-C	Crazy Horse Rd at Flying C Rd N 50 Lime	N/A** (None)	N/A (0)	None	N/A** (None)	N/A (60)	N/A (80)**	None	None
13-D	Crazy Horse Rd at Flying C Rd N 50 Both	None	N/A (0)	None	None	N/A (60)	None	None	None
13-E	Crazy Horse Rd at Flying C Rd NE 50 No Development	None	N/A (30)	None	N/A (30)	None	N/A (40)	None	None
13-F	Crazy Horse Rd at Flying C Rd NE 50 Marble	None	N/A (30)	None	None	300+	None	N/A** (None)	N/A** (None)
13-G	Crazy Horse Rd at Flying C Rd NE 50 Lime	N/A** (None)	N/A (30)	None	N/A (30)	None	N/A (40)	None	None
13-H	Crazy Horse Rd at Flying C Rd NE 50 Both	None	N/A (30)	None	None	None	None	None	None
14-A	White Rock Rd north of Valley View Pkwy W 50 No Development	N/A** (150)	150+	None	360+	360+	None	None	None
14-B	White Rock Rd north of Valley View Pkwy W 50 Marble	N/A** (150)	120+	None	300+	None	None	None*	None*

N/A is not accessable. None is no time restriction. Numbers are in minutes (time to egress point no longer viable)
* Only applies if infrastructure (roads) from adjacent project is provided (even if balance of the project is not completed)
** - Based on travel route impacts not Evac Point
DRAFT

Scenario #	Location	NW	N	NE	EVA 1	EVA 2	EVA 3	EVA 4	EVA 5
14-C	White Rock Rd north of Valley View Pkwy W 50 Lime	N/A **(150)_	N/A** (150+)	None	N/A** (360+)	300+	N/A** (None)	None	None
14-D	White Rock Rd north of Valley View Pkwy W 50 Both	N/A** (150)	120+	None	300+	None	None	None	None
14-E	White Rock Rd north of Valley View Pkwy WNW 50 No Development	None	None	None	N/A** (150)	N/A (90)	N/A** (240+)	N/A** (210+)	N/A (90+)
14-F	White Rock Rd north of Valley View Pkwy WNW 50 Marble	None	None	None	N/A** (150)	None	None	N/A** (300+)	N/A** (None)
14-G	White Rock Rd north of Valley View Pkwy WNW 50 Lime	N/A** (None)	N/A** (300+)	N/A** (None)	N/A** (180+)	N/A** (90)	N/A** (240+)	300+	N/A** (90)
14-H	White Rock Rd north of Valley View Pkwy WNW 50 Both	None	None	None	N/A (150)	None	240+	None	None
15-A	Valley View Pkwy at Blackstone Pkwy W 50 No Development	120+**	90+**	360+	N/A** (240+)	N/A** (240+)	N/A** (360+)	N/A— (None)	360+
15-B	Valley View Pkwy at Blackstone Pkwy W 50 Marble	240+	120+	None	210+	None	300+	N/A** (None)	N/A** (None)
15-C	Valley View Pkwy at Blackstone Pkwy W 50 Lime	N/A** (200+)	N/A** (90)	300+	N/A** (240+)	120+	N/A** (360+)	None	None
15-D	Valley View Pkwy at Blackstone Pkwy W 50 Both	240+	300+	None	210+	None	300+	None	None
15-E	Valley View Pkwy at Blackstone Pkwy WNW 50 No Development	None	None	None	N/A** (0**)	N/A (40)	N/A** (180)	N/A (** (90)	90+
15-F	Valley View Pkwy at Blackstone Pkwy WNW 50 Marble	None	None	None	N/A **(0)	None	N/A** (180)	N/A* (180+)	N/A* (None)
15-G	Valley View Pkwy at Blackstone Pkwy WNW 50 Lime	N/A** (None)	N/A** (None)	180+	N/A (0)	N/A** (60)	N/A** (100+)	90+	180+
15-H	Valley View Pkwy at Blackstone Pkwy WNW 50 Both	None	None	None	N/A (0)	None	N/A** (100+)	210+	None
16-A	East of Aspen Meadows Dr and Cornerstone Dr W 50 No Development	None	150+	240+	N/A (0)	N/A (50)	N/A** (100)	N/A	N/A

N/A is not accessable. None is no time restriction. Numbers are in minutes (time to egress point no longer viable)
* Only applies if infrastructure (roads) from adjacent project is provided (even if balance of the project is not completed)
** - Based on travel route impacts not Evac Point
DRAFT

Scenario #	Location	NW	N	NE	EVA 1	EVA 2	EVA 3	EVA 4	EVA 5
16-B	East of Aspen Meadows Dr and Cornerstone Dr W 50 Marble	None	300+	None	N/A (0)	120+	N/A** (100)	N/A** (240+)	N/A** (120)
16-C	East of Aspen Meadows Dr and Cornerstone Dr W 50 Lime	N/A** (None)	N/A** (180+)	N/A** (300=)	N/A (0)	N/A (50)	N/A** (100)	300+	90+
16-D	East of Aspen Meadows Dr and Cornerstone Dr W 50 Both	None	300+	None	N/A (0)	None	N/A** (100)	None	None
16-E	East of Aspen Meadows Dr and Cornerstone Dr SW 50 No Development	N/A (0)	300+	None	N/A** (100+)	None	N/A** (None)	None	None
16-F	East of Aspen Meadows Dr and Cornerstone Dr SW 50 Marble	N/A (0)	None	None	N/A** (0)**	None	None	None	None
16-G	East of Aspen Meadows Dr and Cornerstone Dr SW 50 Lime	N/A (0)	300+	None	N/A** (0)**	None	N/A** (None)	None	None
16-H	East of Aspen Meadows Dr and Cornerstone Dr SW 50 Both	N/A (0)	None	None	N/A** (0)**	None	None	None	None

As indicated in the footer, N/A means that the evacuation point was not used for that scenario. This point could be used for local residents to evacuate but is not used for the Project Site modeling. The single * indicates that the time shown is valid only if the infrastructure from the adjacent project was constructed and available. The double ** indicates that the time value (number in the cell of the matrix may be based on the travel route rather than the actual evacuation point. This applies when the route would be back into the fire path in a timeframe that would make this route unsafe.

N/A is not accessable. None is no time restriction. Numbers are in minutes (time to egress point no longer viable)
* Only applies if infrastructure (roads) from adjacent project is provided (even if balance of the project is not completed)
** - Based on travel route impacts not Evac Point
DRAFT

Modeling Summary

In a worst-case scenario for the static fire modeling, flame lengths of 55'+/- may be possible when the fire is running upslope, in a continuous fuel bed (chaparral fuel), in line with the wind, on a very dry hot day. This is based on six-foot chaparral fuel beds (Sh5 fuel) and eight-foot beds in the Chaparral specific model run.

Using the Minimum Travel Time feature of FlamMap, it is possible to project the time it might take for a given fire scenario to travel the distance from the origin to each of the evacuation points within the Project Site and when they might impact the Evacuation Points. These results are provided for each scenario in the appendix and summarized in the matrix.

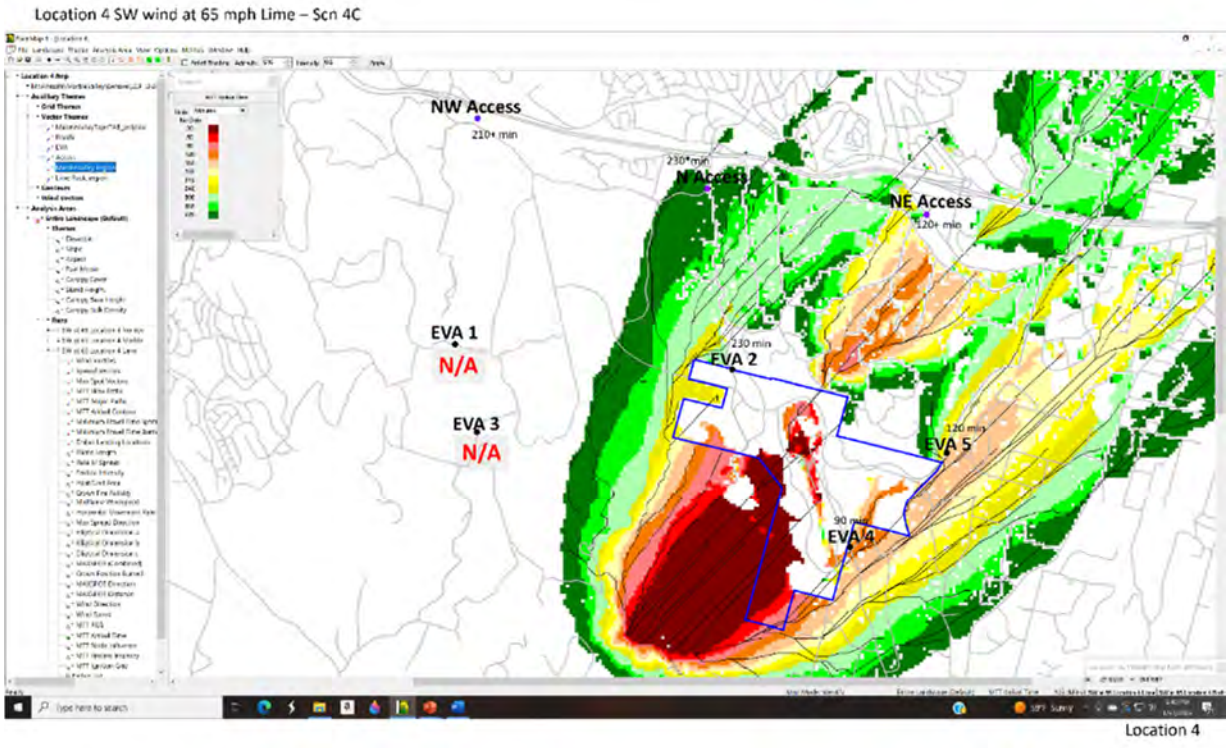


Figure 40 – Example Scenario Modeling Output

In all scenarios, burn-through of the community is not modeled or expected given the fuel modification/defensible space zones, hardened structures and restrictions on vegetation which will be in place by the Regulation and standards required by the Fire Department for new development within the Very High Fire Hazard Severity Zones. This does not preclude structure ignition or damage on the perimeter of the community in this modeling, only that the fire will not continue through the community.

In a recent study (2019) researcher found that housing density plays a role in the number of structures which are damaged in wildland fire:

> *Looking at fire ignitions, large fires, and structures burned, we explored the importance of climatic and human variables for explaining fire and structure loss patterns across three diverse California landscapes, under current and future*

> *climate (hot-dry or warm-wet) and land use (rural or urban residential growth) scenarios. Across regions, we found that housing and human infrastructure were more responsible for explaining fire ignitions and structure loss probability. Large fires were better explained by climate, topography, and fuel variables. The differing strengths of these relationships interacted with the climate and land use scenarios, resulting in variability across regions in the relative importance of climate and housing patterns on fire and structures burnt. Focusing only on empirical housing density and structures burnt, we found that most structure loss occurred in areas with low housing density (from 0.08 to 2.01 units/ha), and as such, expansion of rural residential land use generally increased projected structure loss probability in the future. Both the historical results and the future projections highlight that future changes are likely to be complex and will result from a range of interacting factors. Climate change will be important to consider for managers and policy makers in some, but not all regions. In all areas, land use change merits increased attention, as local policy decisions can influence future patterns of development and exposure of structures to risk of loss in large wildfires.* Syphard, A. D., Rustigian-Romsos, H., Mann, M., Conlisk, E., Moritz, M. A., & Ackerly, D. (2019). The relative influence of climate and housing development on current and projected future fire patterns and structure loss across three California landscapes. Global Environmental Change, 56, 41–55. https://doi.org/10.1016/J.GLOENVCHA.2019.03.007

The findings of this research make sense in that denser developments will have a defined interface (rather than an intermix condition), overall vegetation within the community is generally less and is managed within 100 feet of the structures. These management areas tend to overlap in denser communities, forming a homogenous area within the wildland where conditions for continue burning are greatly reduced or eliminated. Add to this, structures which are hardened to radiant and convected heat, have ember protects and are set far enough from the native fuels to not have direct flame contact from the wildland makes the ignition less likely. In the event that a structure was to ignite, all of the residential units and support structures of any real size are protected by automatic fire sprinklers which have a history of holding fires to the room or area of origin in most cases, make the likelihood of a conflagration or community burn-through unlikely.

The size, location and configuration of the Project Site make it unlikely that a fire will impact the entire Project Site at a single time, but rather the fire will impact sections of the project interface over a period of time which will allow for resources to be redistributed and for evacuation opportunities after the fire front has passed a specific location. Travel within the Project Site should be viable at all times, given the distance from the wildland fuels and the protection features which will be provided. The fire scenarios which have been modeled are extreme and the results indicate the fire will be traveling at a rate faster than fire suppression activity will allow for control lines. The fire department would be expending efforts to keep evacuation routes open, protect structures where it was safe to do so and to work on indirect actions in an effort to have a positive effect on the fire path and the assets at risk. Interior area of the community not shown in the areas burned (colored areas in Figure 40 and in the appendixes) will be capable of use as “areas of refuge” when not in the direct line of travel for the fire.

Water Supply and Infrastructure

No water delivery facilities are present on the Project Site. El Dorado Irrigation District (EID) provides potable water to over 100,000 people in El Dorado County through two primary interconnected water systems in its service area—the El Dorado Hills system and the Western/Eastern system. The El Dorado Hills water system obtains its primary supplies under rights and entitlements from Folsom Reservoir, while the Western/Eastern system derives its supplies from sources under rights from the South Fork American River and Cosumnes River watersheds. The Project Site lies within EID's El Dorado Hills supply area.

El Dorado County Fire Protection District

TABLE B105.1(1)
REQUIRED FIRE FLOW FOR ONE- AND TWO-FAMILY DWELLINGS, GROUP R-3 AND R-4 BUILDINGS AND TOWNHOUSES

FIRE-FLOW CALCULATION AREA (square feet)	AUTOMATIC SPRINKLER SYSTEM (Design Standard)	MINIMUM FIRE FLOW (gallons per minute)	FLOW DURATION (hours)
0–3,600	No automatic sprinkler system	1,000	1
3,601 and greater	No automatic sprinkler system	Value in Table B105.1(2)	Duration in Table B105.1(2) at the required fire-flow rate
0–3,600	Section 903.3.1.3 of the *California Fire Code* or Section 313.3 of the *California Residential Code*	1,000	1
3,601 and greater	Section 903.3.1.3 of the *California Fire Code* or Section 313.3 of the *California Residential Code*	½ Value in Table B105.1(2) (min 1,000 gpm)	2
MAJOR SUBDIVISIONS (5 Parcel or Greater)			
0–3,600	Section 903.3.1.3 of the *California Fire Code* or Section 313.3 of the *California Residential Code*	1,000	1
3,601 and greater	Section 903.3.1.3 of the *California Fire Code* or Section 313.3 of the *California Residential Code*	½ Value in Table B105.1(2) (min 1,000 gpm)	2
OTHER RESIDENTIAL DEVELOPMENT			
0–3,600	Section 903.3.1.3 of the *California Fire Code* or Section 313.3 of the *California Residential Code*	500	1
3,601 and greater	Section 903.3.1.3 of the *California Fire Code* or Section 313.3 of the *California Residential Code*	½ Value in Table B105.1(2) (min 750 gpm)	1

TABLE B105.2
REQUIRED FIRE FLOW FOR BUILDINGS OTHER THAN ONE- AND TWO-FAMILY DWELLINGS, GROUP R-3 AND R-4 BUILDINGS AND TOWNHOUSES

AUTOMATIC SPRINKLER SYSTEM (Design Standard)	MINIMUM FIRE FLOW (gallons per minute)	FLOW DURATION (hours)
No automatic sprinkler system	Value in Table B105.1(2)	Duration in Table B105.1(2)
Section 903.3.1.2 of the *California Fire Code*	25% of the value in Table B105.1(2)[b]	Duration in Table B105.1(2) at the reduced flow rate

b. The reduced fire flow shall be not less than 1,500 gallons per minute.

Figure 41 - Amended Fire Flow Requirements for EDCFPD Area

The El Dorado Irrigation District 2019 Water Supply and Demand Report and 2020 Urban Water Management Plan detail water supply and the timing and need for various improvements throughout the district.

Based on reviews of these recent reports and the revalidation memorandum, the data and supply availability conclusions in the WSA relating to water supply and consumption remain valid, and water is available for the Project Site for residential use, irrigation, and fire flow.
The specifics of the water supply are well documented in the Project Site EIR.

In accordance with the adopted Fire Code (2020) fire flow requirements for the Project are shown in Figure 41, to the left.

The water system will be designed and constructed in accordance with the adopted fire code, NFPA Standards and local requirements as stated in the fire department adopted and published requirements. For El Dorado Regional Fire Protection Standard #D-003 Water Supplies for

Suburban and Rural Fire Fighting -3/23/2022. Where any portion of the water system is not gravity fed, emergency power will be provided for the duration required by the code.

According to EID's 2022 Water Supply and Demand Report (El Dorado Irrigation District, 2022), the district has available water supply in the Western/Eastern supply area of approximately 30,580 AF (acre feet). EID's adopted Integrated Water Resources Master Plan (HDR, 2013) describes new water supply and transmission infrastructure necessary to increase the availability of water supply for the Western/Eastern Supply area.

An overall potable water system is in place for the El Dorado Hills and the Cameron Park communities, including off-site transmission mains, storage tanks, and booster stations. Development of the Plan Area requires the construction and extension of transmission and distribution water mains that will be constructed in phases. (Refer to Figure 42.)

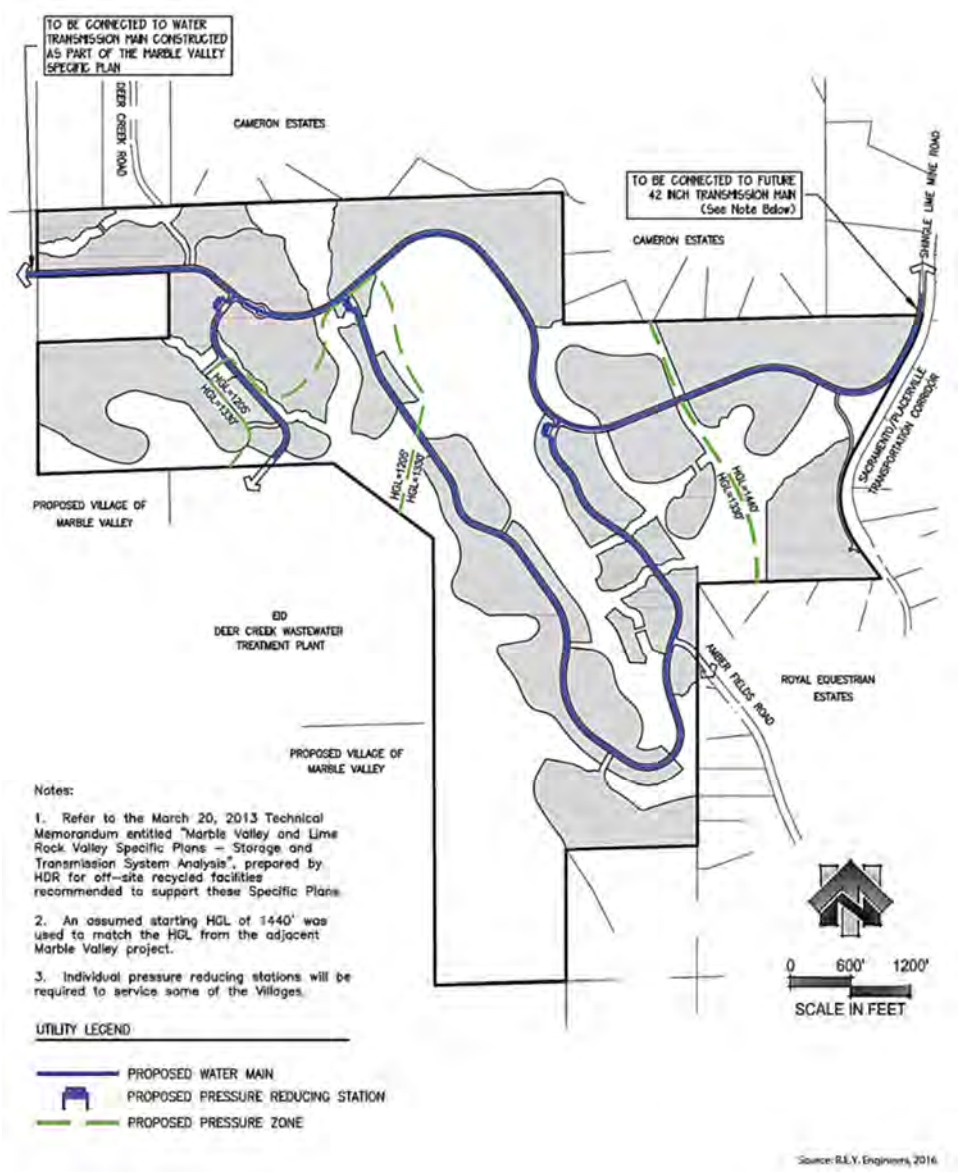


Figure 42 – Lime Rock Specific Plan Master Water Plan Map

Components of the overall water system include off-site transmission mains, on-site and/or off-site storage tanks, booster stations, distribution mains, and laterals. The installation of water improvements will be performed in a multi-phased approach. The initial water plan includes the construction of necessary backbone infrastructure to ultimately serve the entire assumed maximum needs of the Plan Area. The off-site infrastructure required to convey water to the Plan Area would be constructed to meet Plan Area needs. This includes the transmission mains and any other components needed to physically transport water to the Plan Area from the EID Western/Eastern water supply region.

Electric Power Lines

While by electrical lines are the cause of fires all over the state, utilities in the state of California are taking steps to increase the safety of all power lines by:

1. Undergrounding distribution lines
2. Improving safety on transmission lines through the replacement of equipment before it fails
3. Increased routine inspections.
4. The use of "covered conductors" rather than "bare wire" as has been used in the past.
5. Expanded line clearance, increased hazard-tree assessments and removals, ensuring adequate cleared brush at the base of poles/towers.
6. Public Safety Power Shut Offs during high-risk weather events.
7. Installing and monitoring of over 2,000 Remote Automated Weather Stations, expanded use of Artificial Intelligence/Machine Learning capabilities (AI/ML) for improved forecasting and the installation of High-Definition Cameras for real-time monitoring of high-risk areas during extreme weather events.
8. Installation of Sectionalizing Devices and Fast Acting Fuses to decrease the risk of fire inducting events.

The above measures are regional actions which should result in a decrease in the fires caused by the overall electrical grid. Many of the fires caused by the electrical distribution system occur during extreme fire weather conditions. Any reduction in these types of fires within the region increases the overall protection to the Project Site by lowering the probability of a large fire.

Fire Protection Resources

Impacts During Construction

Prior to combustible construction on site the Fire Department requires that "all-weather" fire department access roadways, fire hydrants (or approved water source alternative), and initial fuel modification/defensible space zones (bare earth is acceptable at this point) are installed and approved prior to the "framing stage". Prior to C of O (certificate of occupancy), the Fire Department requires that all fire department life safety systems (fire sprinklers, standpipes if applicable), fire lanes, street signs, addressing, wayfinding if appropriate, defensible space requirements and structure hardening as required by the various laws, codes, ordinance and standards enforced by the fire department and building/planning agencies be in place, tested, inspected and approved.

Impacts Over the Life of the Project

Maintenance requirements for each of the safety systems or devices are assigned to specific entities (homeowners, Homeowner's Associations (HOA), Local government). Repair/replacement and

maintenance of these systems will be established in the CC&R's for the homeowners and HOA(s), while the local governmental agency is responsible for the public improvements in the Right of Way (ROW). In some cases, a Zone of Benefit (ZOB) may be established to provide for different levels of service, or to raise additional revenue within specific areas of a county service area.

The responsibilities and funding source for the common areas (not in the ROW) are to be set in CC&R's. Unless otherwise provided in the CC&Rs, homeowners are responsible to maintain improvements to their fee-title properties while HOA's maintain common areas and other improvements either owned by the HOA or controlled by the HOA if established by the CCR&s.

EVA's (Emergency Vehicle Access) will be maintained in perpetuity by the appropriate entity or entities which are benefited by the improvement. In the case of public streets or ROW's this will be the governmental agency which owns the underlying property. For improvements on private property, the HOA(s) or other legal entity (such as a private property owner or ZOB) is responsible for the common area(s) on which the improvements (EVA) have been made.

The responsibilities and funding source for the common areas (not in the ROW) are set in the CCR's. Homeowners are responsible in the single-family communities and HOA's in the structures where community ownership of the underlying property or areas of the structure(s) exist.

Fuel modification/defensible space zones, installed automatic fire sprinklers (except the NFPA13D system in one and two-family dwellings) and defensible space are inspected by the fire department on a routine basis (annually or bi-annually in most cases) and in the case of fire sprinklers (NFPA 13 and 13R), they are inspected and certified by third-party venders on a five year interval.

Fire Suppression Resources

The Fire Department resources and capabilities have been discussed in various documents over the development of the Project Site. The following is a summary of those overall resource and capabilities:

> *Fire protection services in El Dorado County are provided by 13 separate fire districts, one city fire department, the California Department of Forestry and Fire Protection, and the U.S. Forest Service. Two fire protection districts serve the proposed project site: the El Dorado Hills County Water District (which includes the EDHFD) serves the western portion of the project site, and the El Dorado County Fire Protection District (also referred to as the El Dorado County Fire District or El Dorado County Fire) serves the eastern portion. The final map boundary line must follow the existing fire boundary line to insure no residential or commercial lot is split between two fire districts.*
>
> *<u>El Dorado County Fire Protection District</u>*
> *The El Dorado County Fire Protection District serves 281 square miles and has a population of 75,000 with 14 stations (El Dorado County Fire 2020). The department consists of 74 total personnel (Alvarado pers. comm.). Station 28*

would serve the eastern portion of the project site. This fire station is located approximately 4 miles northeast of the project site, and the average response to the project site would be approximately 12.5 minutes (Alvarado, pers. comm.)

The El Dorado County Fire Protection District Five Year Plan 2011–2016 serves as a set of guidelines to address identified needs over a 5-year period. The district's vision and guiding principles, history, organization, and sources of revenue are outlined, and the district's facilities, apparatus, and response to incidents are described. The plan uses this information to identify personnel and equipment needs as well as methods to address those needs.

The plan indicates that the El Dorado County Fire Protection District—also referred to as the El Dorado County Fire District or El Dorado County Fire—responds to 4.6 times more calls than the average number of responses of all 14 other fire agencies in El Dorado County (El Dorado County Fire Protection District 2011). The plan includes bar charts that show a 15.7 percent increase in call volume over the previous 8 years, and a 19 percent reduction in average response time since 2002, with an average response time of 9 minutes and 19 seconds (El Dorado County Fire Protection District 2011).

The plan also describes existing and future department revenues and their sources, including property taxes and development fees. Property taxes constitute the district's primary source of funding; the district receives 13 percent of the 1 percent Ad Valorem Tax collected by the County within the district's boundaries (El Dorado County Fire Protection District 2011). The plan notes a decrease in property tax revenues beginning in the 1992–1993 fiscal year, associated with the transfer of 10 percent of each special district's property tax revenue to school funding through the Educational Revenue Augmentation Fund, and indicates that the annual loss to the district exceeds $1.1 million dollars (El Dorado County Fire Protection District 2011). In addition to the Ad Valorem Tax funding, the district receives funding from voter-approved special taxes in some areas of the district; this funding provides approximately $510,000 of additional annual revenue (El Dorado County Fire Protection District 2011).

Fire Station 28, located approximately 4 miles from the project site on Ponderosa Road in Shingle Springs, is the closest El Dorado County Fire Protection District fire station to the project area. It serves Red Hawk Casino and the communities of Shingle Springs, South Cameron Estates, and Crazy Horse. The average response time for the El Dorado County Fire Protection District from 2002 to 2010 was approximately 9 minutes, and approximately 8:43 minutes in 2010 (El Dorado County Fire Protection District 2011:18). Response times have been reduced by 19 percent since 2002. Although this is slightly over the 8-minute minimum response time, several factors would address this deficit. Because the project area would be served by the EDHFD and the El Dorado County Fire Protection District, the proximity of the project site to the nearest fire stations, and the inclusion of a future fire station on the Marble Valley project site, it is anticipated that the County

> *General Plan requirements would be met. No new fire protection facilities beyond those planned within the project or alterations to existing facilities would be needed.*

Utilizing the "boundary drop" agreement, which is in place between the local fire departments, the closest resource responses to an emergency regardless of jurisdiction, E89 from Cameron Park (3200 Country Club Drive, Cameron Park) could be the closest fire department resource, if available.

El Dorado County Fire Protection District also owns a vacant parcel APN 119-295-002 located in the area of Crazy Horse Rd and Hemmingway Ct. on the western side of the district and immediately north of the Project Site. Potential future development of this parcel would add to the resources available in the event of an emergency.

Operational Considerations

How to complete the evacuation, when to evacuate, how long it will take to get the last person out of harm's way, and to where are they evacuating, are all factors that need to be considered when making tactical decisions on wildfires. Normally the majority of the effort is put towards fire suppression on the active fire line if conditions warrant it; indirect attack if not. When people are in "harm's way," the situation shifts dramatically. The protection of the egress pathways, the structures themselves, and the area where refuge can be found become the priority.

The decision to "Shelter in Place" is never the first choice and is not a first choice for the Project Site. Getting people "out of harm's way" is always the preferred option. Not every scenario can be anticipated, there will be scenarios that would require the incident commander(s) or field officer of the fire and law enforcement agencies to decide on how to protect the citizens when emergent conditions arise. Figure 43 provides a simple decision tree for evacuation vs. protecting people in place.

Evacuation is always the preferred option but sometimes, circumstances may generate conditions where moving an "at risk" population will place them in more danger. It should be noted that most evacuation scenarios are generated by large fires burning into communities. These fires would have already been burning for a period of time and would, no doubt, have been discovered. Emergency personnel would be working on the decisions below to determine where evacuation is warranted. The modeling shows that if the fire reaches certain points, evacuation is not a likely choice. If there is not enough time to safely move the population at risk to an uninvolved/safe area, consideration of where to best protect them is the next action on the decision tree.

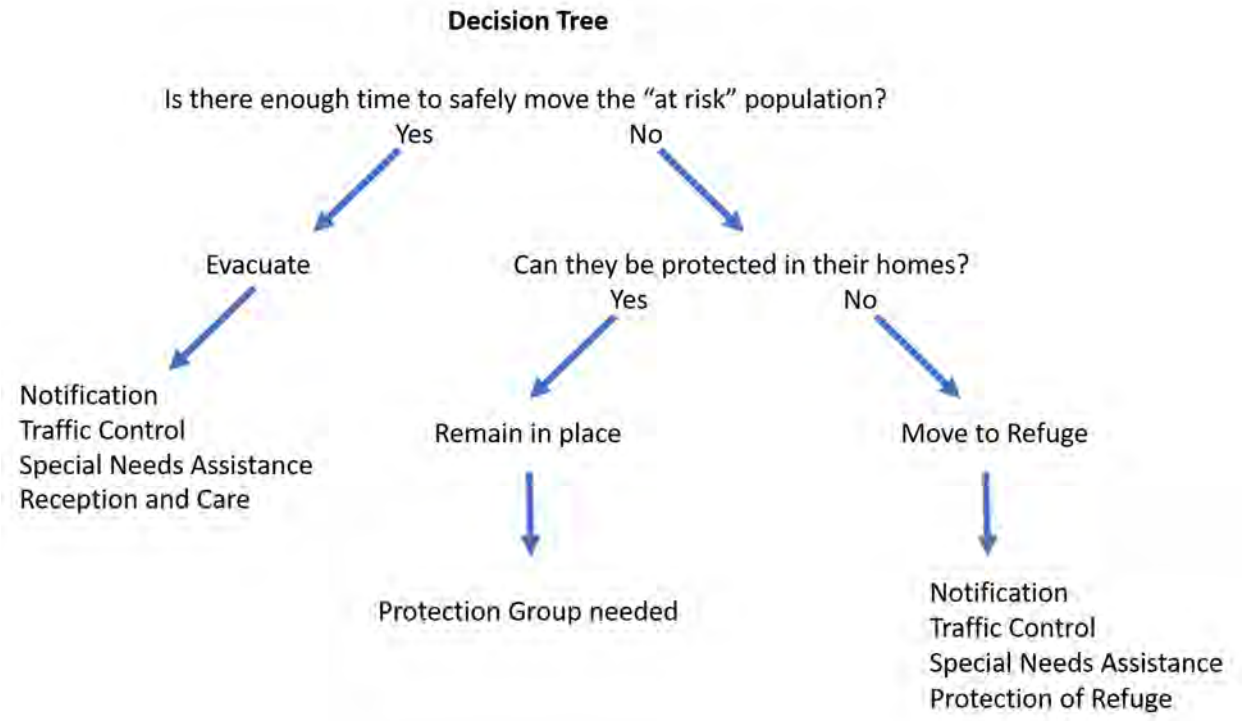


Figure 43 – Evacuation Decision Tree

In planned communities, a legal entity (normally an HOA) is responsible for common areas and the maintenance of community resources. This often includes lighting, landscape, parks, pools and in some communities' roads, bridges, and open spaces, and when the housing products include, joint land ownership, and even property insurance. Where the community has been designed and developed with wildland fire defenses such as fuel modification/defensible space zones, greenbelts, roadside clearance for evacuation routes and/or special maintenance areas within the community, it is the HOA or other legal entity that is responsible for maintaining these common features. As such, there is a high probability that this ongoing maintenance will occur as required and as stated in the organizational documents which were put in place when the community was established. It also makes a single entity accountable and simplifies the inspection process as well as streamlines the communications process (notices, code and standards updates, compliance, verification of maintenance).

The building and fire codes and some county and state wildland fire regulations are based on requirements for the land or building owner. As such, there is not necessarily an equal level of compliance at each and every structure, even if they were constructed at the same time, under the same requirements. In wildland fire safety, when structures are not separated by a large distance (30 feet or more), the risk to one structure can be caused by the risk to the adjacent structure even when the first owner has done everything right in terms of wildland fire protection. In planned communities, this is not the case. Common areas are managed as one entity, and the HOA has the power to make each homeowner comply with the regulations adopted by the local fire authority as an obligation of its fiduciary function to keep the entire community safe. This is why planned communities are significantly different in the ability to keep the community safe from wildland fires. This is why a "systems approach" is possible.

This "systems approach" begins with the community design. Larger, planned communities generally tend to use a defined interface rather than an intermix with respect to the wildland perimeter of the development.

Cluster development (higher density with more open space) with defined perimeter protection provides for a "protective bubble" around the development. By controlling the interior (vegetation, configuration and defensible space) and providing an adequate distance (fuel modification/defensible space, greenbelts, selected agriculture crops (vineyards, certain types of orchards, row crops), fuel breaks and fire breaks) the combination of these elements creates a system for the protection of the community.

The current codes and standards coupled with the design of the current fuel modification/defensible space zone requirements provides for a community in which fire is unlikely to burn through the community (burn through) when all portions of the system are in place and functioning as designed.

Provisions are in place to allow for approved maintenance in the fuel modification/defensible space areas so that the safety margin can be maintained.

> *2.1.2 Fire Safe Activities Exemption Actions taken pursuant to an approved Fire Safe Plan for existing structures or in accordance with defensible space maintenance requirements for existing structures as identified in California Public Resources Code (PRC) Section 4291 are exempted from the mitigation requirements included in this ORMP. Oak resources impacts for initial defensible space establishment for new development are not exempt from the mitigation requirements included in this ORMP. After establishment of defensible space for new development, maintenance of that defensible space thereafter is exempt from the mitigation requirements included in this ORMP. In addition, fuel modification activities outside of defensible space areas that are associated with fuel breaks, corridors, or easements intended to slow or stop wildfire spread, ensure the safety of emergency fire equipment and personnel, allow evacuation of civilians, provide a point of attack or defense for firefighters during a wildland fire, and/or prevent the movement of a wildfire from a structure to the vegetated landscape, where no grading permit or building permit is applicable, are exempted from the mitigation requirements included in this ORMP.* (El Dorado County Oak Resources Management Plan, September 2017, Page 6)

Risk Reduction Measures

Risk Reduction measures which are required by codes, ordinances and standards include:

a) All dwelling units and most large commercial buildings will be protected with automatic fire sprinklers. (Fire department plan check and inspection ensure compliance)

b) The Project Site has increasing housing density and used a consolidated design to reduce or eliminate, where possible, wildland fuels within the interior of the Project Site and keep the edge of the Project Site as an identifiable interface with appropriate fuel breaks, fire

breaks and fuel modification/defensible space zones. (Fire department plan check and inspection ensure compliance)

c) The Project Site has been designed to avoid and minimize low-density urban development patterns or leapfrog-type developments (i.e., those with undeveloped wildland between developed areas). (Fire department plan check and inspection ensure compliance)

d) Decreasing the extent and amount of "edge," or interface area, where development is adjacent to undeveloped wildlands. (Fire department plan check and inspection ensure compliance)

e) The Project Site has/will create buffer zones and defensible space within and adjacent to the development, with particular attention to ensuring that vegetation will not touch structures or overhang roofs. The Project will establish the legal obligations within the CCR's to ensure that defensible space measures are retained over time. (Implementation of the Fire Safe Plan, Fire department plan check and inspection ensure compliance)

f) Undergrounding of power lines will be accomplished in the entire Project Site. (Fire department plan check and inspection ensure compliance)

g) The Project Site design attempts to limit development along steep slopes and amidst rugged terrain, so as to decrease exposure to rapid fire spread and increase accessibility for firefighting. Sites which have wildland fuels below (lower than the project structures) will have additional protections provided with radiant heat walls, increased built-in fire protection features and/or placement of the structure so that the impacts of "underslung fuels" are reduced to a level of acceptable risk. (Implementation of the Fire Safe Plan, Fire department plan check and inspection ensure compliance)

h) Fire hardening structures and homes in accordance with Chapter 7A of the Building Code, Section R337 of the Residential Code, and the specific requirements of the fire department during the development review process for the site-specific locations.

i) Siting structures and features to maximize the role of low-flammability landscape features and roadways that may buffer the development from fire spread. (Implementation of the Fire Safe Plan, Fire department plan check and inspection ensure compliance)

j) The Project will expand existing fire resources funding in the region (new revenue generated by the development). (Developer Agreement with Fire Department participation in fire district ensure compliance)

k) Placement of development within the existing or planned ingress/egress and designated evacuation routes to efficiently evacuate the project population and the existing community population, consistent with evacuation plans, while simultaneously allowing emergency access. (Implementation of the Fire Safe Plan, Fire department plan check and inspection ensure compliance)

Additional Regional Benefits

In addition to the project specific risk reduction measures, the project, in and off itself, provides for some additional protection to existing communities where it provides a buffer of non-wildland fuels between some of the fire scenarios and the existing communities. Using the modeling results to illustrate this point, in Figure 44, the graphic provides a comparison of the fire behavior for a

"No Development" scenario with a scenario where the Lime Rock project has been completed. Significant additional time is provided to the existing communities to the north of the Project Site.

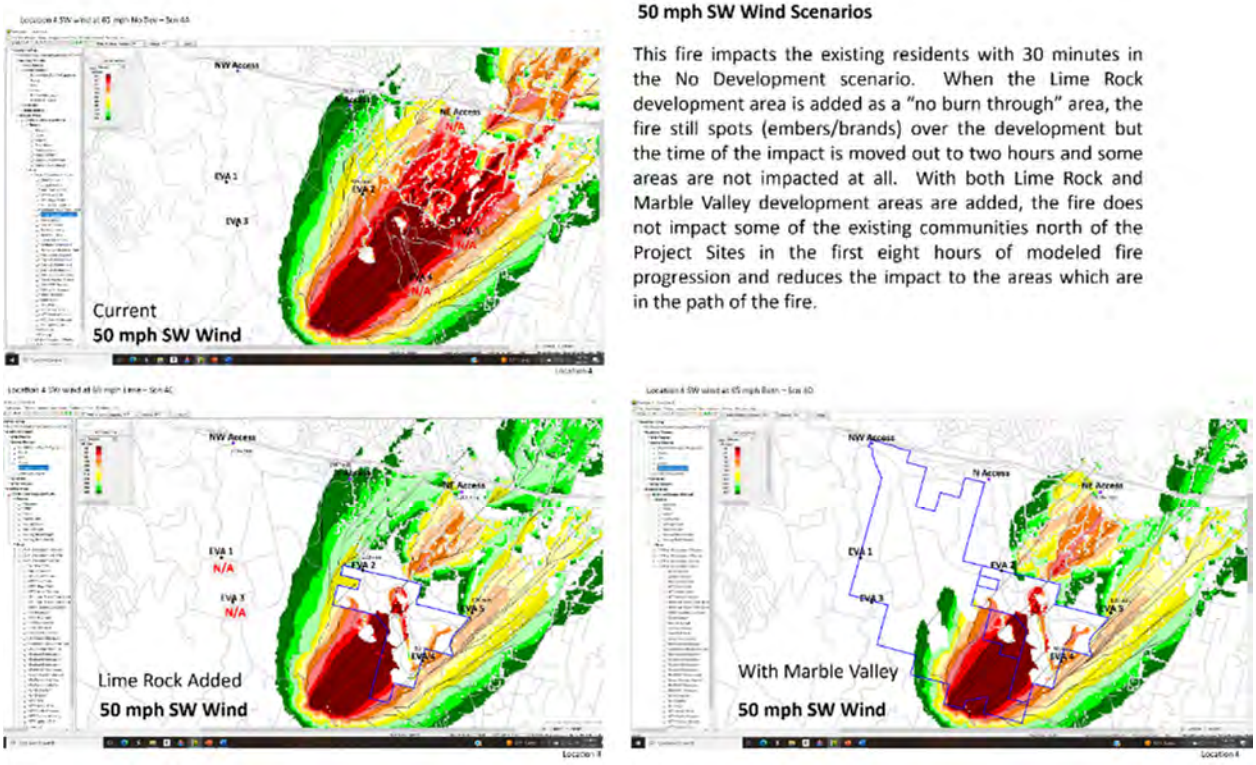


Figure 44 - Example of Regional Benefits (Wildfire)

The comparison then provides the impact with the adjoining Marble Valley project added. Each scenario has its own impacts and benefits but, in most cases, where the new development is between the origin of the fire and the existing community, there is a benefit in terms of additional time to evacuate or the fire simply not getting the existing community at all in some areas.

With respect to the tasks as outlined in the California Attorney General's "*Best Practices for Analyzing and Mitigating Wildfire Impacts of Development Projects Under the California Environmental Quality Act*" the report has the following conclusions:

1. **Determination of project impact will substantially impair an adopted emergency response plan or emergency evacuation plan;**

   The Project Site's general area does not have an adopted emergency evacuation plan. The emergency response capabilities will be enhanced with the addition of a new fire service funding from the project site's inclusion in the fire district and improvements to the public roadways. The evacuation analysis for this project will be the first formal process that can be found in searches of the available records. (see Fehr and Peers Evacuation Analysis for details).

   From a wildland fire behavior perspective, the Project Site will not substantially impair an adopted emergency response plan or emergency evacuation plan. Project Site specific

plans will be completed as an integral part of Resident Information and Community Communications efforts by the Project Site sponsors, builders, and the ultimate HOA's who will have the ongoing responsibility for this information.

2. **Determine the project-specific Wildland Fire Hazard and Wildland Fire Risk to quantify issues that may exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire;**

   This report has examined the project-specific Wildland Fire Hazards and the resulting Risks after the risk reduction measures are in place and found that the level of Risk that results is no greater than similar communities in the area and generally better than projects constructed prior to the current Regulations. The Project Site has two primary egress points, and up to five EVA's which are available for evacuation efforts should law enforcement deem it necessary. Additionally, the combination of fuel modification/defensible space, hardened structures, and the placement of the structures and features on the topography relative to the wildland fuels creates a community that is capable of "sheltering in place" if necessary. While never a first choice by emergency service providers, if moving the population is a greater risk, this community, as designed and as it will be constructed, is capable of a sheltering operation without undue risk to the residents.

   All fire scenarios that have been modeled have multiple Evac Points which are viable for specific periods of time. It should be noted that by the time the reaches the downwind evacuation point, the earlier evacuation points may become available for use by traveling through the center of the development area. All of the fire scenarios are run under extreme conditions which have not been recorded in previous fires or which are not likely to occur in the future; they are worst-case scenarios.

   Evacuation reduces exposure to pollutant concentrations generated by wildfire. The combined effects of the fuel modification/defensible space, roadside clearance, wildland fire building code requirements, and the design/placement of the structures on the topography work together to protect the community from wildfire. The Project Site will, in fact, provide a buffer to some of the existing communities by removing or modifying the wildland fuels which are upwind from them. With the fuel modification/defensible space and roadside clearance in place, the probability of a fire originating from the Project Site is lower than in the adjacent communities without this level of protection. In order to access the wildlands, it will be necessary to traverse either the 100' fuel modification/defensible space zone or the roadside clearance zone. Ignitions from the normal sources associated with development will be much less likely to occur.

   As proposed, the Project Site will have a less than significant impact on wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire as in most cases, they will be able to evacuate.

3. **Determine if the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) may exacerbate fire risk, or that may result in temporary or ongoing impacts to the environment;**

   All of the improvements for the Project Site have been identified and analyzed for their impact on the environment in the CEQA process. None of the Project Site infrastructure will exacerbate the fire risk for the Project Site. In fact, the improved water supply for the general area, the placement of fuel modification/defensible space zones and the establishment of a community that has the option to "shelter in place" if needed provides an alternative to the existing residents where this level of protection does not exist. If evacuation is not possible from the region, nearby communities would be safer traveling to the Project Site development areas than they would be in some of the current neighborhoods due to the added protections provided in the Project Site.

   As proposed, the Project Site will have a less than significant impact on ongoing impacts to or exacerbation of the environment as a result of **i**nstallation or maintenance of associated infrastructure related to wildland fire risk.

4. **Determine if people or structures will be exposed to significant risks due to the completion of the project; and**

   The required wildland fire protection features, and the additional protection measured identified in this report, will keep the residents and the structure of the Project Site protected from significant risk by the required Regulations and the manner in which the Project Site will be developed (clustered development with a definable interface vs an intermix community). The risk from wildland fires for the Project Site will be less than the surrounding communities as the Regulations under which the project will be developed have significantly increased the level of protection required as a baseline for development projects. Coupled with the additional protection measures listed in this report, the Project Site has mitigated the hazards in the adjacent native vegetation to an acceptable level of risk under current Regulations.

   As proposed, the Project Site will have a less than significant impact on increasing or creating new risk associated with completion of the project. A strong case can be made that the Project Site reduces risk to the existing communities by providing a buffer between the fire and the existing communities which is constructed to current standards and is not expected to allow fire to move into the existing communities which are downwind with the same level of intensity and rate of spread.

5. **Consider whether a project will "expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires."**

   As proposed, the Project Site will not expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death due to a wildland fire in the native areas adjacent to the Project Site due to the use of Fuel modification/defensible space,

Defensible Space, Fire Sprinklers, placement of the structure on the Landscape/Topography, the width of the streets, the amount of fire protection water available and the placement of the fire hydrants are specified intervals, the hardening of the structures to comply with the current wildland interface Regulations and availability of firefighter resources within the Project Site and the regional assets available to combat a wildland fire by the Fire Department and the other associated agencies (CalFire, USFS, mutual aid fire resources, Call when needed fire resources) who routinely assist in the suppression of wildland fire in the region.

As proposed, the Project Site will have a less than significant impact on creating or increasing the expose of people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires. The Project Site will be significantly more protected than the existing communities which were not constructed to the current standards and do not have the same protections afforded the Project Site through its system's approach to wildland fire defense.

Conclusions and Recommendations

A review of the expected fire behavior in the interface of the Lime Rock development indicates that the fire behavior could produce extreme fire behavior, and as such, risk reduction measures will be necessary. Many of these risk reduction measures are required by the State and Local fire/building regulations, fire department standards, and guidelines, and by risk reduction measures already considered and applied by the development review process. Fire behavior modeling predicts that there will be varied timeframes for evacuation of the Project Site under fire scenarios where the fire is burning into the community from an adjacent area. Each scenario has its own set of parameters. Where fires are initialized within the Project Site or near its boundary, the fire incident command and control may have to determine if the population will be moved or "sheltered in place."

The proposed community with its increased built-in fire protection features (defensible space, fuel modification, hardening of the structures and required maintenance), placement of the structures on the topography, overall orientation to the fuels, wind, and slope and nested (safe center) configuration would be a candidate for a "shelter in place" decision. While "shelter in place" is never a first option, history shows us that moving populations, once the fire has arrived, has increased risk, and should not be attempted when safe alternatives exist.

The configuration of the Project Site, the placement of the structures and features on the topography and the nature of the wildland fuels surrounding the project create conditions where the fire will travel at great speeds when wind, slope and fuel align but all of the access points are not impacted by fire at the same time.

The fire behavior static modeling in this report with flame lengths of up to 55' under the worst-case scenario would be protected by compliance with the Fire Department fuel modification/defensible space standards. Fuel modification/defensible space is designed to reduce and change the fuel types as the combustible vegetation gets closer to the structure. As a "rule of thumb," two times the maximum flame length is adequate protection from radiant heat in a

hardened structure. These distances also protect from direct flame contact (a distance greater than the flame length by a factor of two) and convected heat (less impactful than the radiant heat distance as discussed previously). The structure hardening (including ember intrusion projection) protects from embers and brands which may travel long distances under worst-case conditions.

With respect to the defensible space distance for the perimeter structures, the Fire Department requires distances of 100 feet of fuel modification/defensible space based on the adjacent fire potential as measured by the slope, aspect, fuel characteristics, fire history, and weather data (wind, temperature, and relative humidity). While the distance required in the thinning zones may be allowed to be reduced based on the level of hazard present, the zones nearest the structures are rarely reduced.

Additionally, the implementation of Zone 0 (the first five feet from the structure) will only enhance the already robust level of protection for the Project Site.

It has been determined that, with the implementation of the risk reduction measures set forth in this report, the proposed development areas set forth as project configurations will have a less than significant impact from the wildland fire-related issues raised under the AG Guidelines, as well as under CEQA Guidelines Appendix G, Section XX Wildfire.

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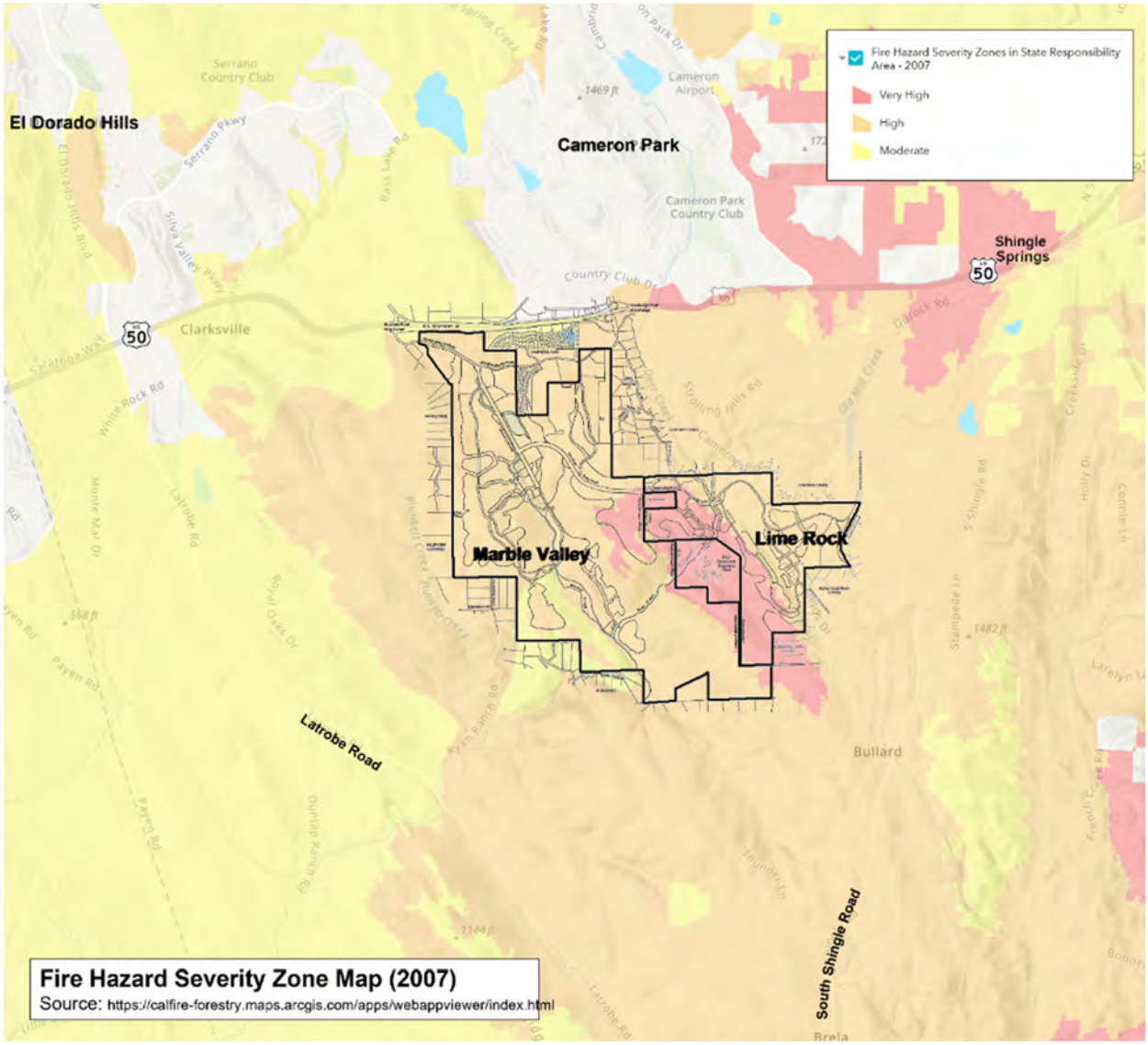
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Appendix A
Site Photos Locations

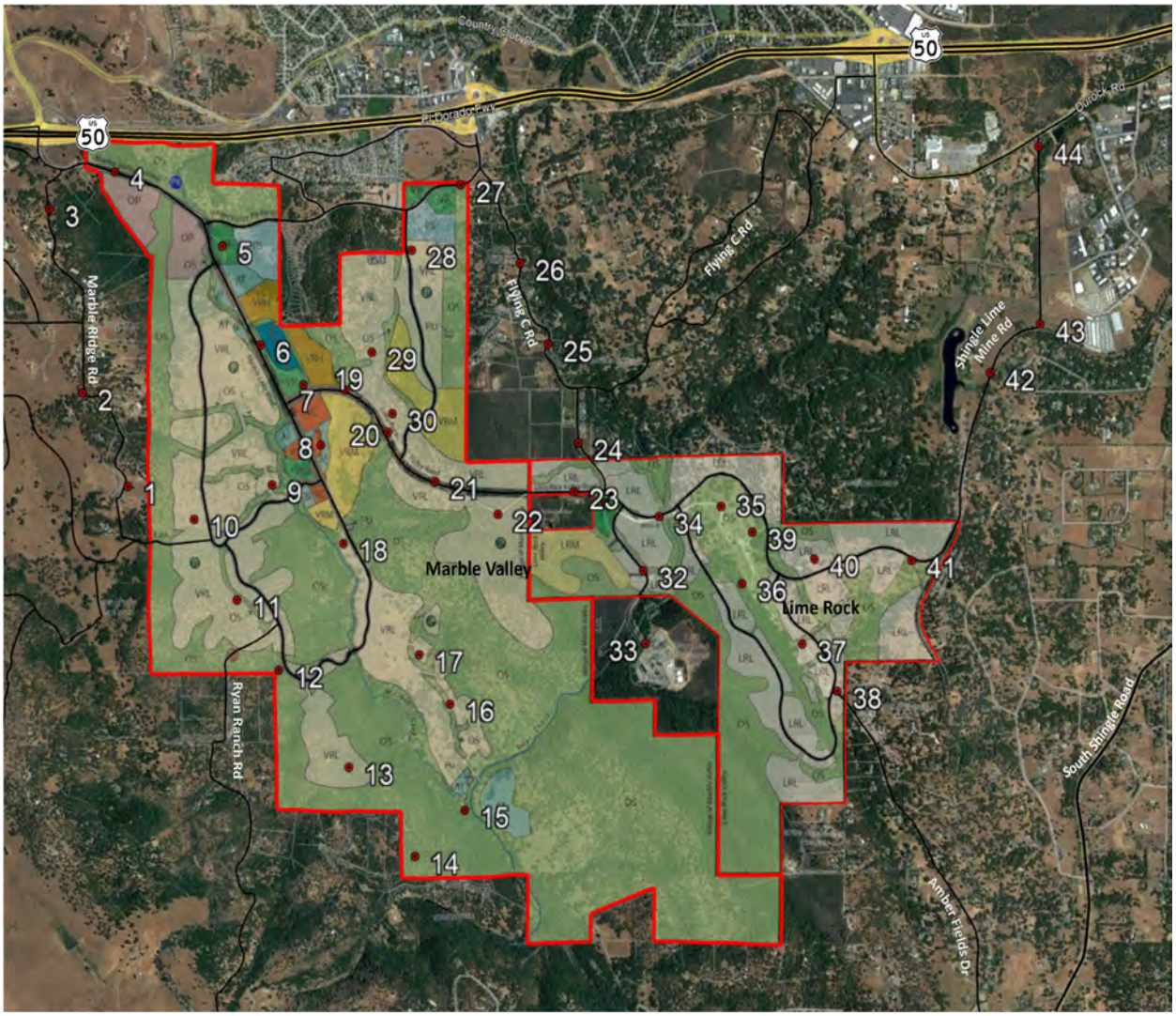


Photo locations are shown on the map above as reference points. Several photos were taken from each general location and are within a few feet of each other. For simplicity, these photo site have been grouped in the locations are shown above.

Photo Site 1 – Looking Southeast



Looking East



Photo Site 2 – Looking Southeast



Looking East



Photo Site 3 – Looking South



Looking East



Photo Site 4 – Looking North



Looking Southeast



Photo Site 5 – Looking West



Looking Southeast



Photo Site 6 – Looking East West



Looking Southeast



Photo Site 7 – Looking East



Looking South



Photo Site 8 –Looking North



Looking South Southeast



Photo Site 9 – Looking Southwest



Looking North



Photo Site 10 – Looking South



Looking Northwest



Photo Site 11 – Looking East



Looking Southeast



Photo Site 12 –Looking West



Looking East



Photo Site 13 – Looking Southeast



Looking Southwest



Photo Site 14 – Looking West



Looking Southwest



Photo Site 15– Looking East



Looking North Northeast



Photo Site 16 –Looking Northwest



Looking North



Photo Site 17 – Looking West



Looking Northwest



Photo Site 18 – Looking North Northwest



Looking East



Photo Site 19 – Looking South



Looking Southeast



Photo Site 20 –Looking Southeast



Looking West Southwest



Photo Site 21 – Looking East



Looking Southeast



Photo Site 22 – Looking North



Looking South



Photo Site 23 – Looking South



Looking South Southwest



Photo Site 24 –Looking West Northwest



Looking North



Photo Site 25 – Looking West



Looking North



Photo Site 26 – Looking North Northwest



Looking South



Photo Site 27 – Looking South Southeast



Looking West



Photo Site 28 –Looking North Northwest



Looking Northeast



Photo Site 29 – Looking Northeast



Looking South



Photo Site 30 – Looking Southeast



Looking South



Photo Site 31 – Looking North



Looking Northwest



Photo Site 32 – Looking Southeast



Looking Southwest



Photo Site 33 – Looking Northeast



Looking North Northwest



Photo Site 34 –Looking North



Looking West



Photo Site 35 – Looking North



Looking Northeast



Photo Site 36 – Looking Northeast



Looking Northwest



Photo Site 37 – Looking East



Looking North



Photo Site 38 – Looking Southwest



Looking West Northwest



Photo Site 39 – Looking South



Looking North



Photo Site 40 –Looking South



Looking West



Photo Site 41 – Looking South



Looking North



Photo Site 42 – Looking North



Looking South



Photo Site 43 – Looking West



Looking Northwest



Photo Site 44 – Looking South



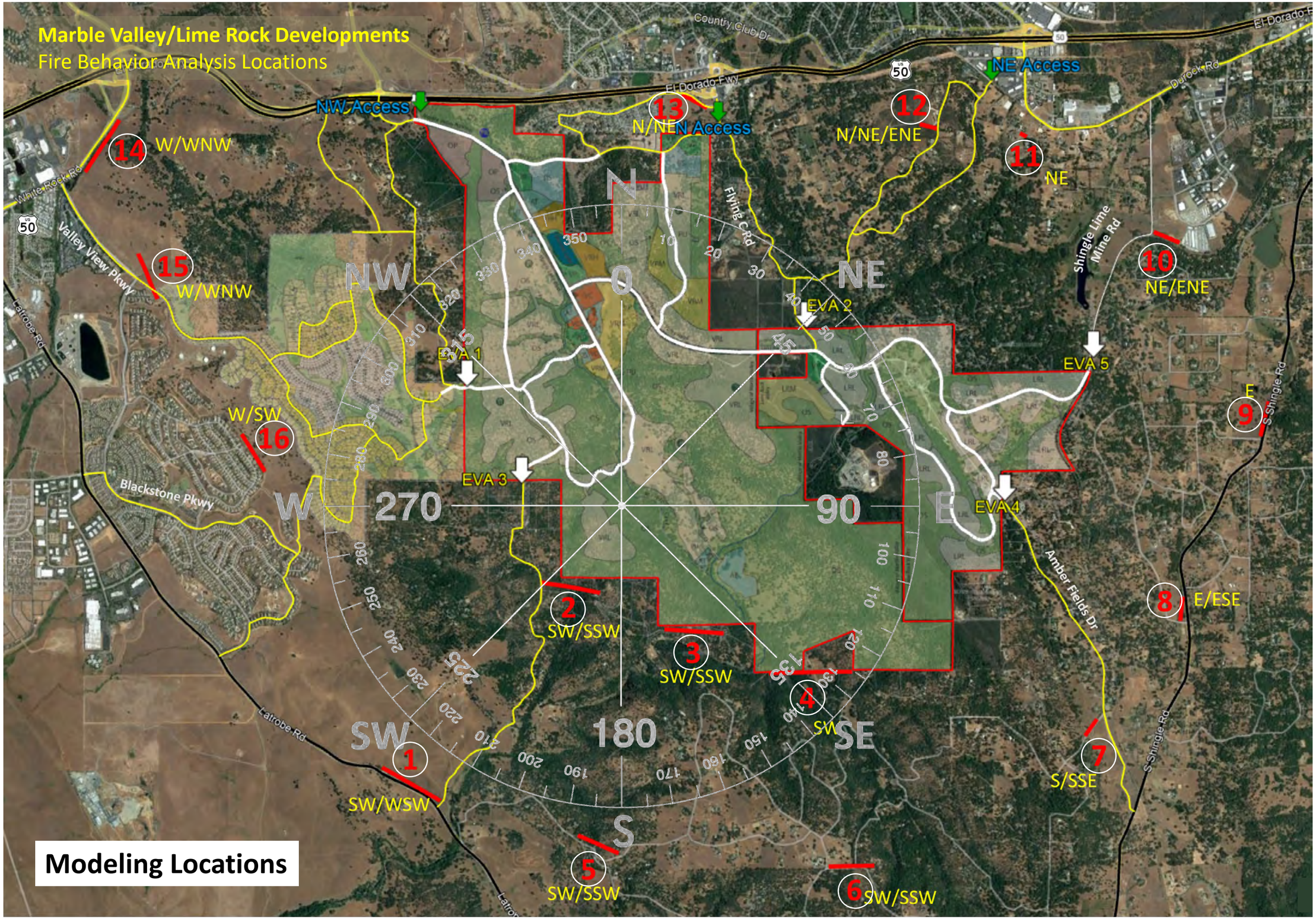
Appendix B – Modeling Outputs

B-2 – Scenario Locations/Wind Directions (Access and Evac Points Provided)

B-3 to B-137 – FlamMap/Minimum Travel Time Outputs

B-134 to B-138 – BehavePlus Outputs

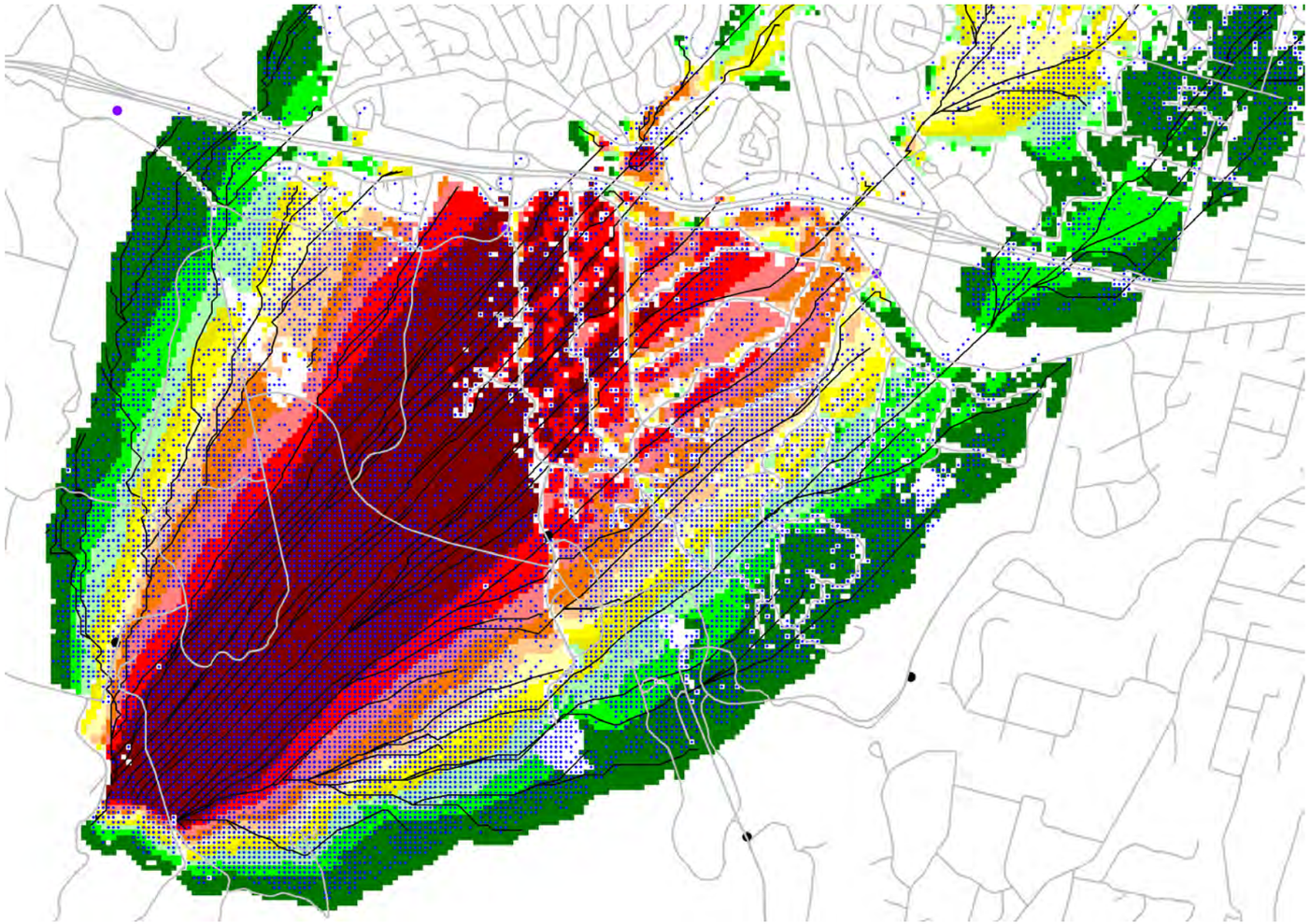
Marble Valley/Lime Rock Developments
Fire Behavior Analysis Locations



Modeling Locations

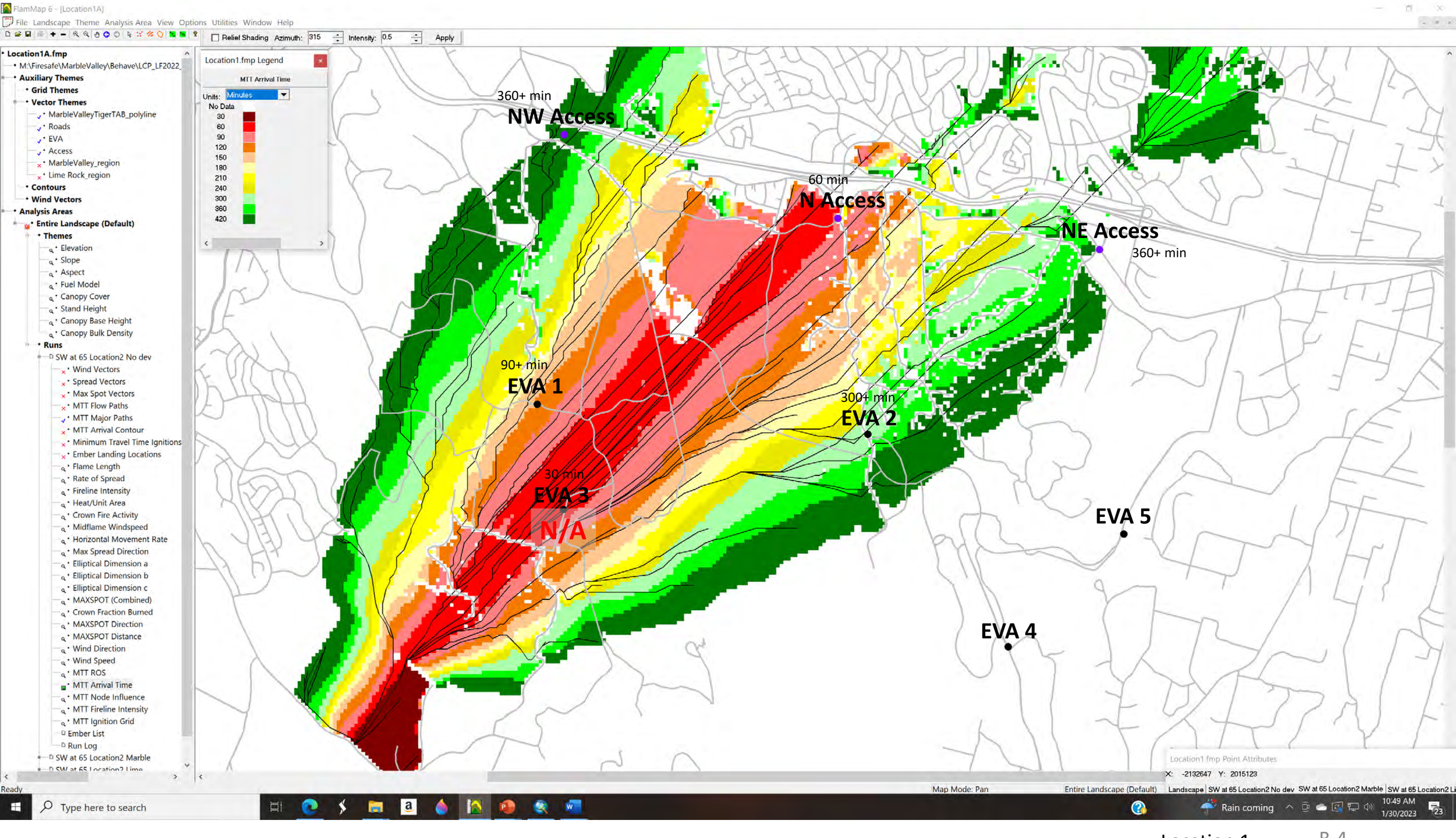
Modeling Assumptions:

1. Moisture Scenario will be 3, 4, 5, 30, 50 (extreme)
2. Wind will be assumed to be from:
   a. N, NNE, NE at 45 mph
   b. SE, SSE, S, SSW, SW at 65 mph
3. Fuel models to be used
   a. LCP_LF2022_FBFM40_220_CONUS
   b. No modifications have been done to any layers
4. Development area are used as fire barriers due to fuel modification and defensible space protection. Community burn through is not expected.
5. Fire scenario will be with sustained winds (no diurnal effect)
6. No fuel conditioning is used with worst-case moisture scenario
7. Arrival Times are shown to eight hours, but fire scenario is unlimited
8. Foliar Moistures are assumed to be 100
9. Crown Fire Calculation Method is set to Finney (2004)
10. Spotting Probability is set to 0.99
11. Spotting Delay is set to 0
12. Fuels have not been adjusted to any disease or drought impacts
13. Slopes and Aspects have not been adjusted in the development area (barrier file adjusts this to some degree)

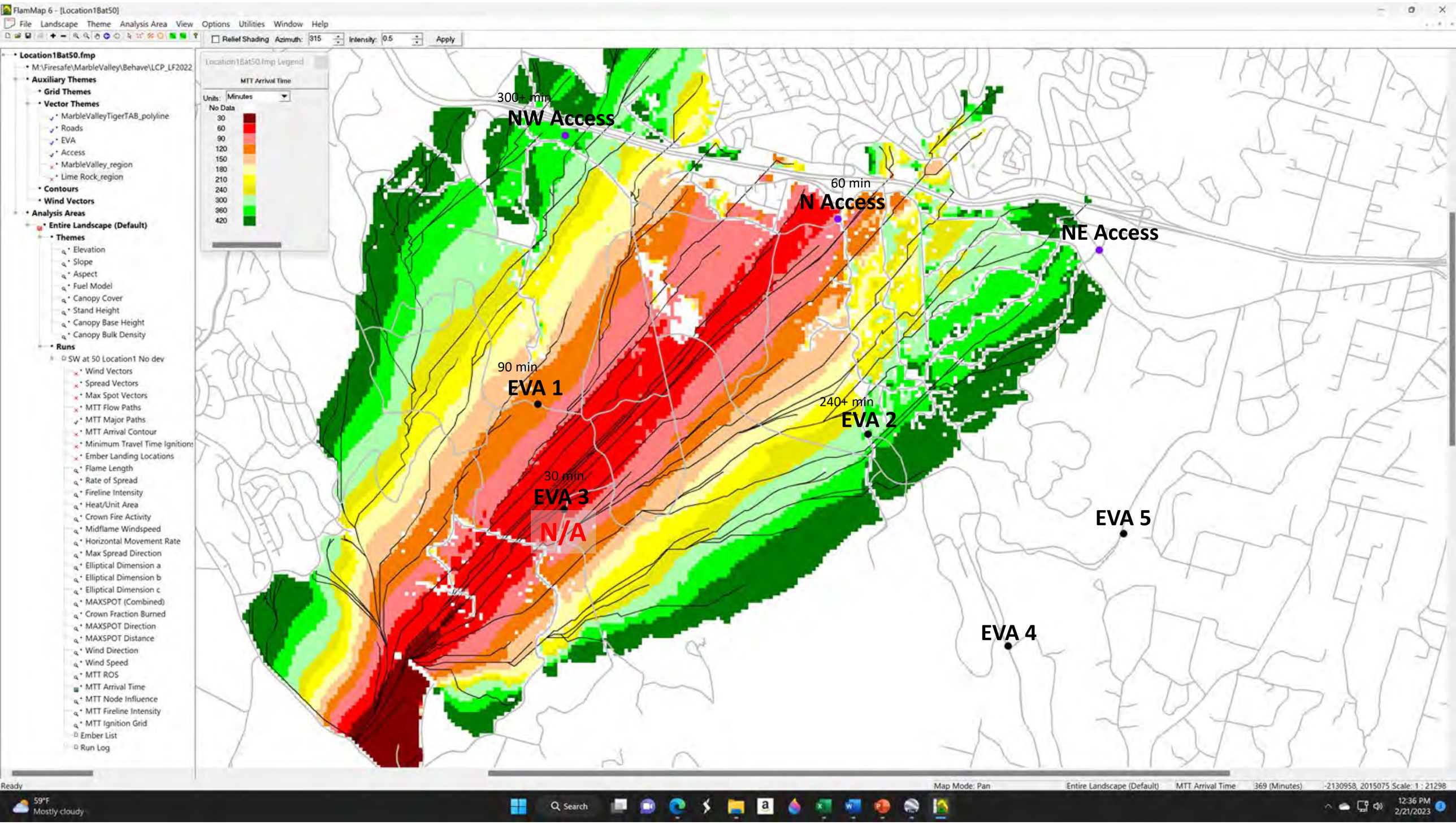


Modeling Note: Each of the blue dots on the graphic above is an ember landing location. Since the spotting probability is set to 99%, each of the downwind locations is available. The software will select the spotting locations randomly. Since the this will be different on each run of the scenario, minor differences will occur if the same scenario is run multiple times.

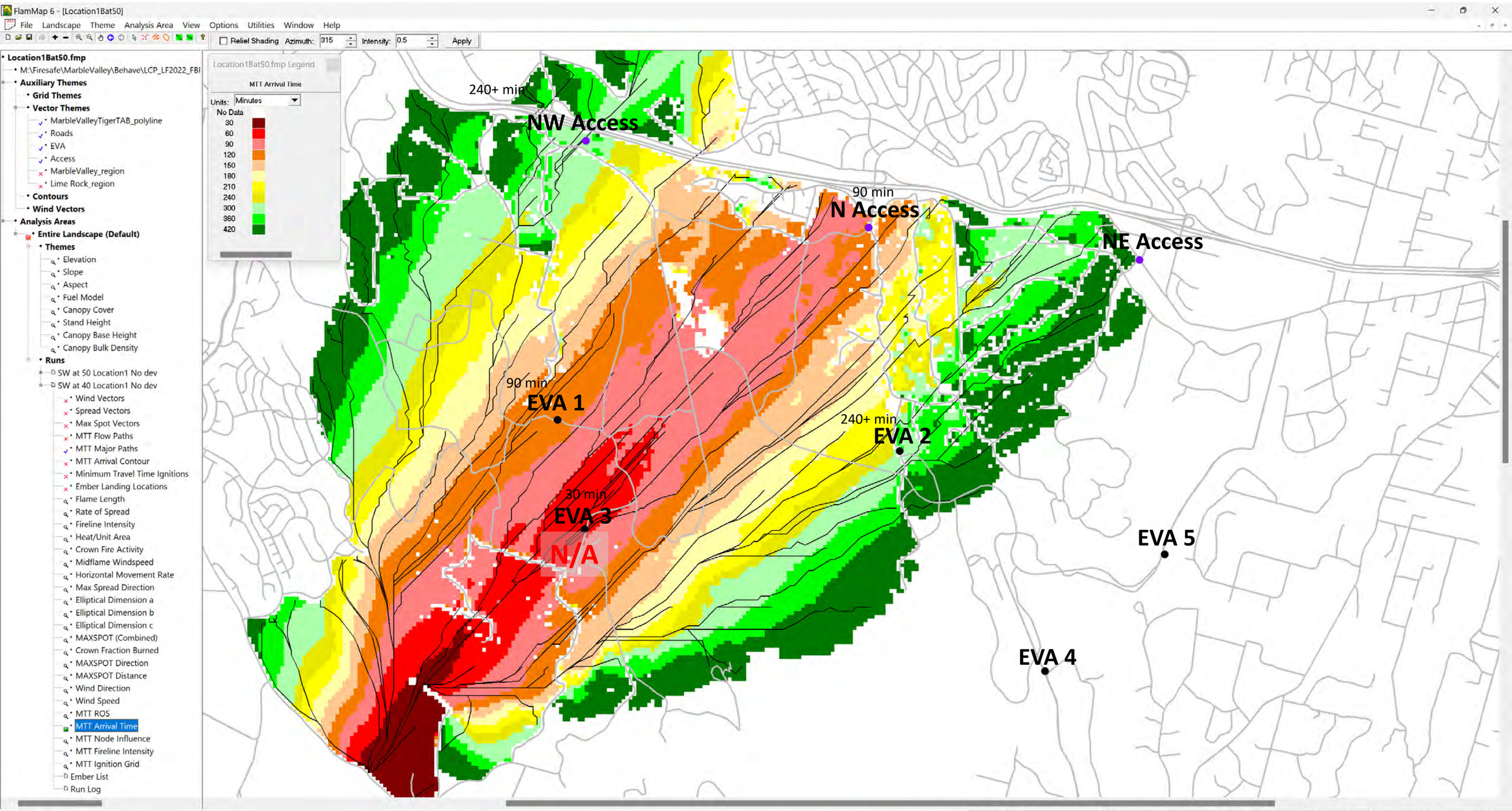
Location 1 SW wind at 65 mph No Dev – Scn 1A



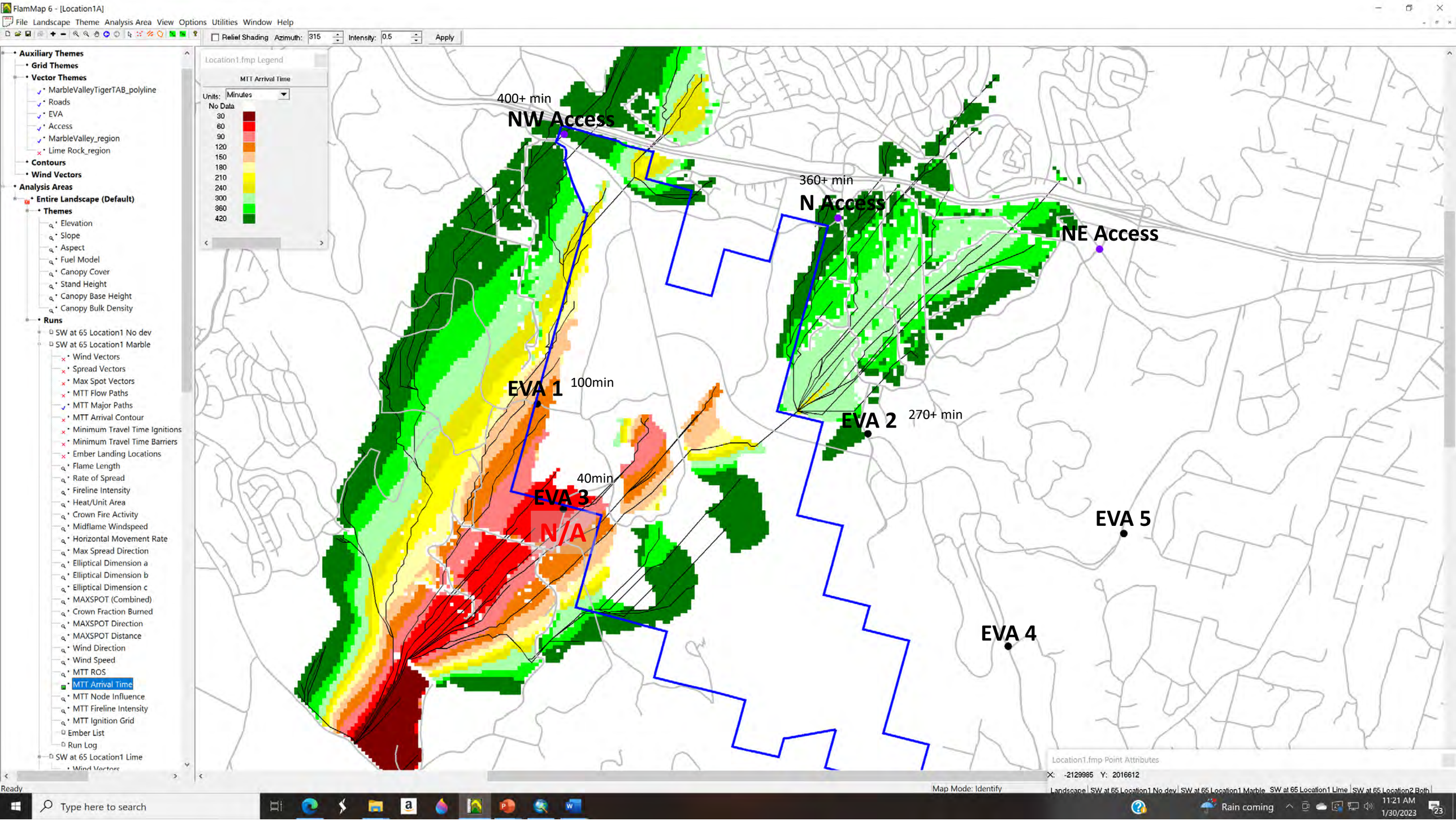
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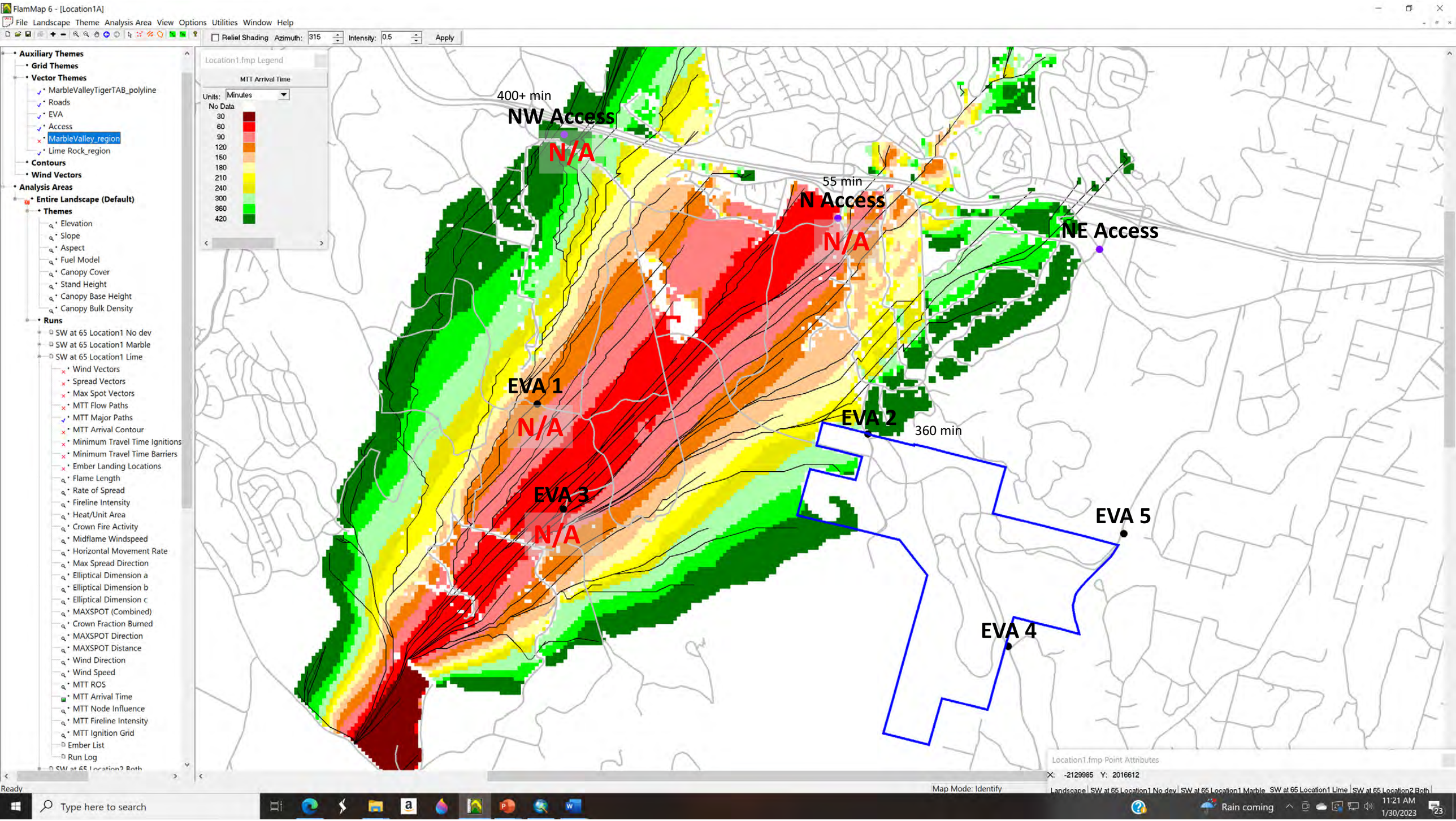
Location 1 SW wind at 40 mph No Dev – Scn 1C



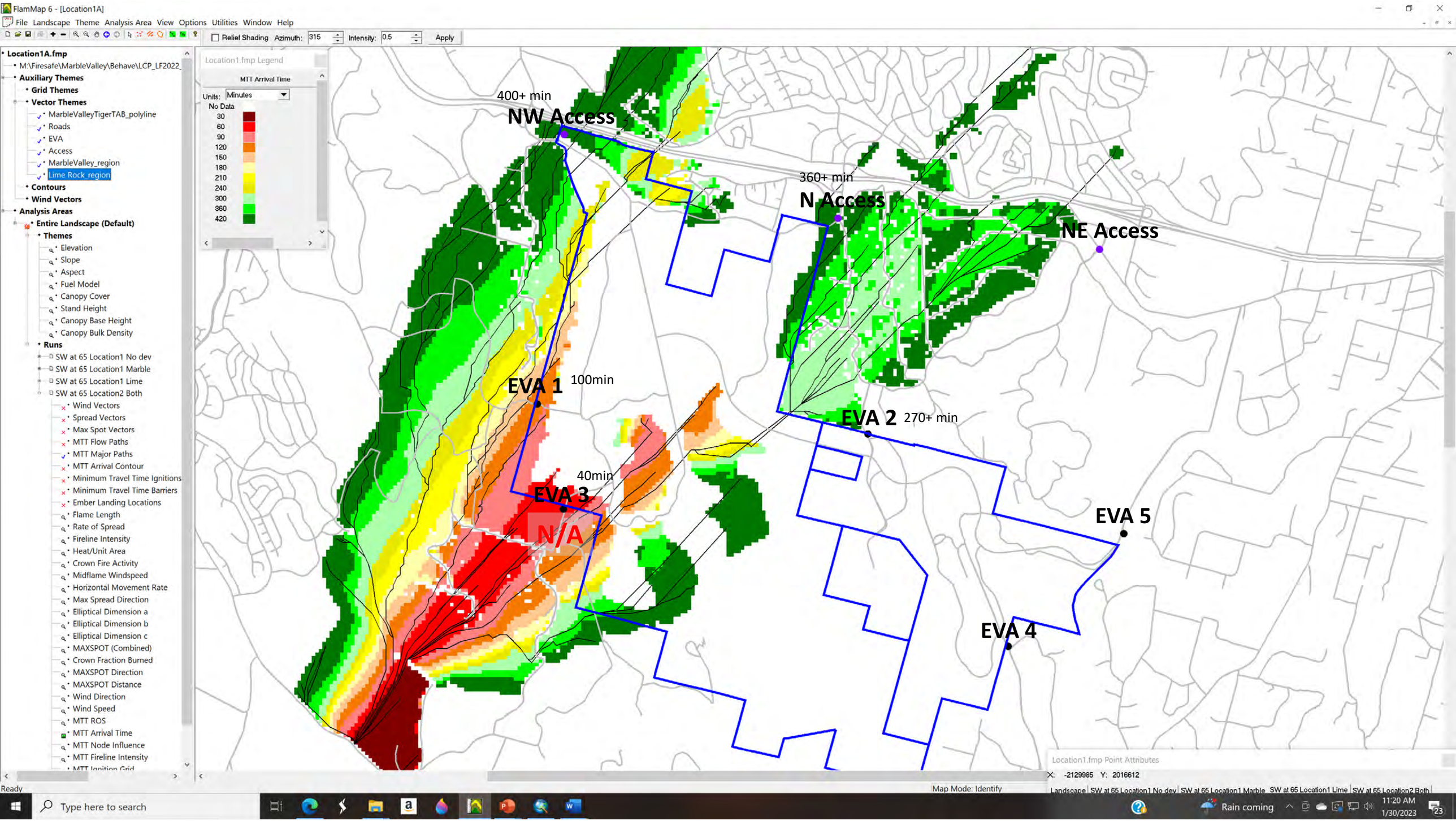
Location 1 SW wind at 65 mph Marble – Scn 1D



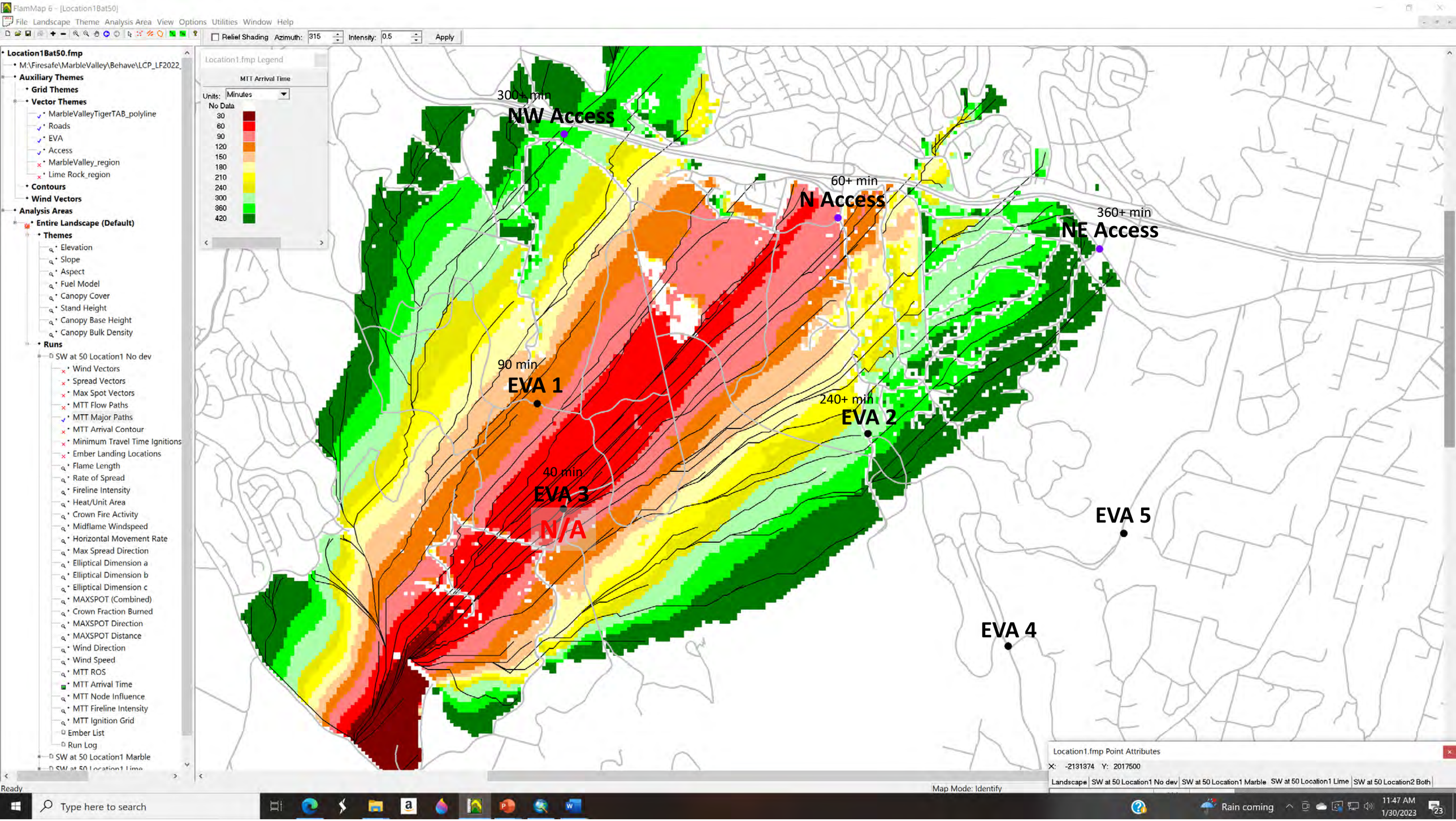
Location 1 SW wind at 65 mph Lime – Scn 1E



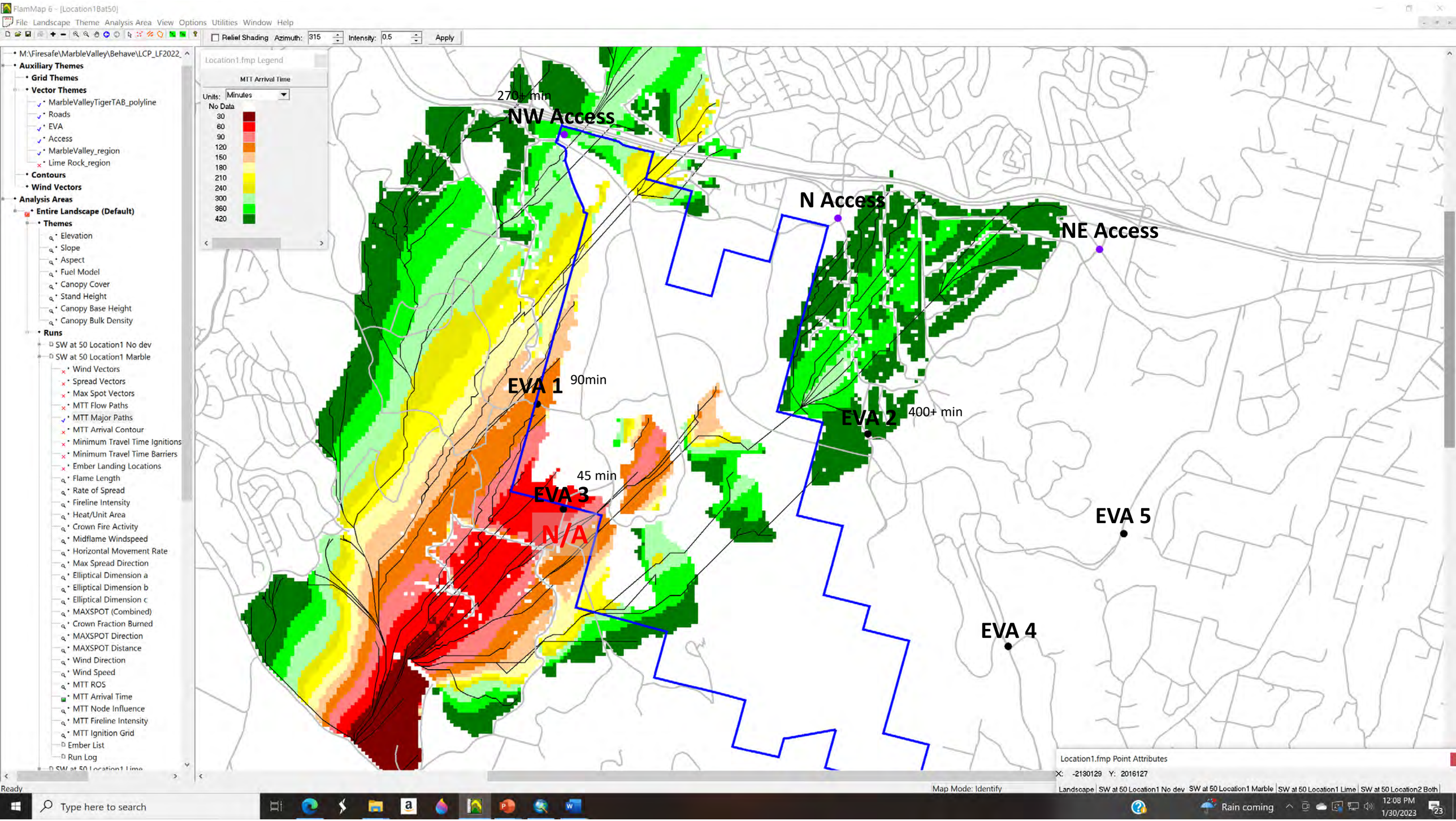
Location 1 SW wind at65 mph Both – Scn 1F



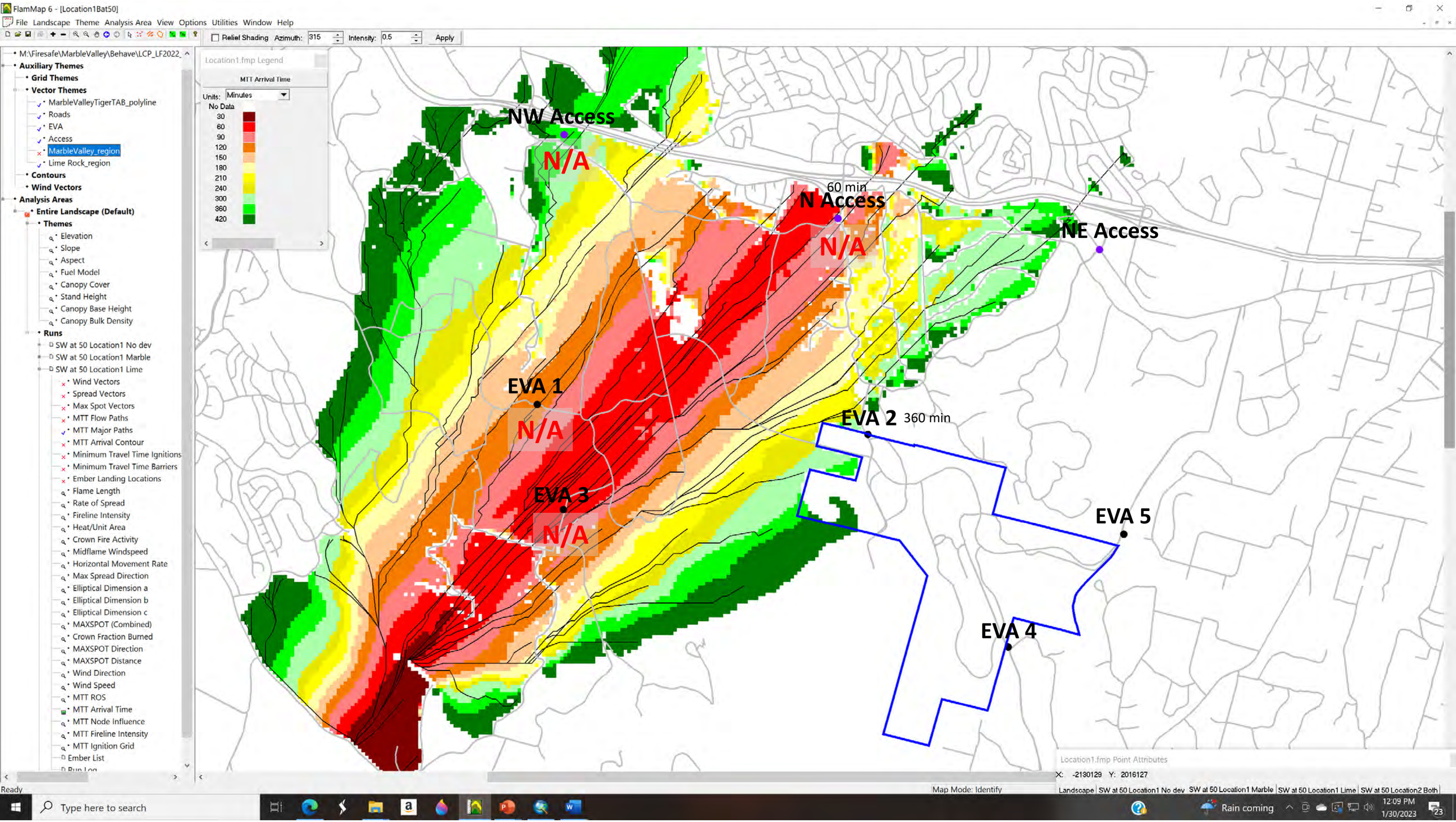
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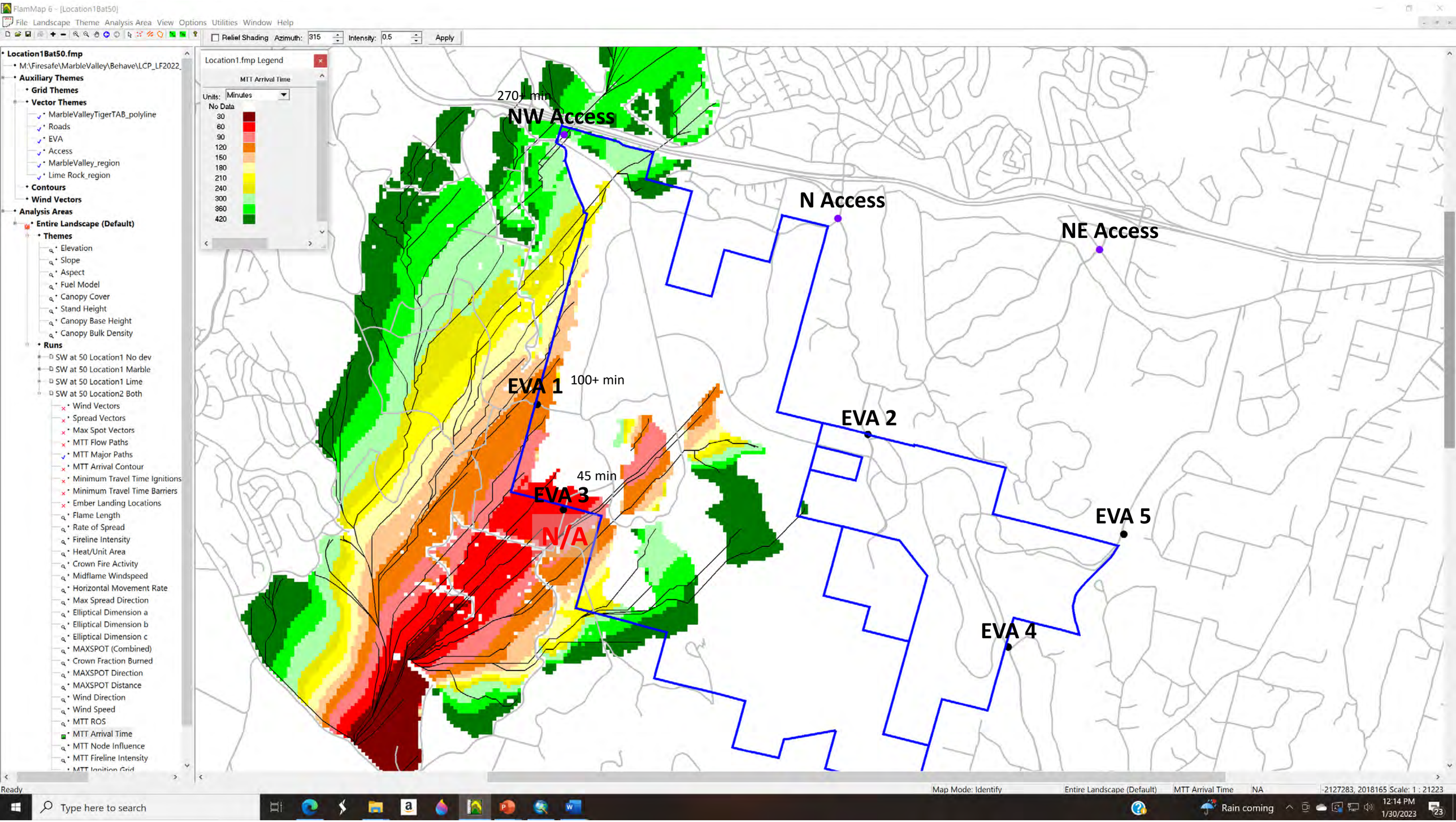
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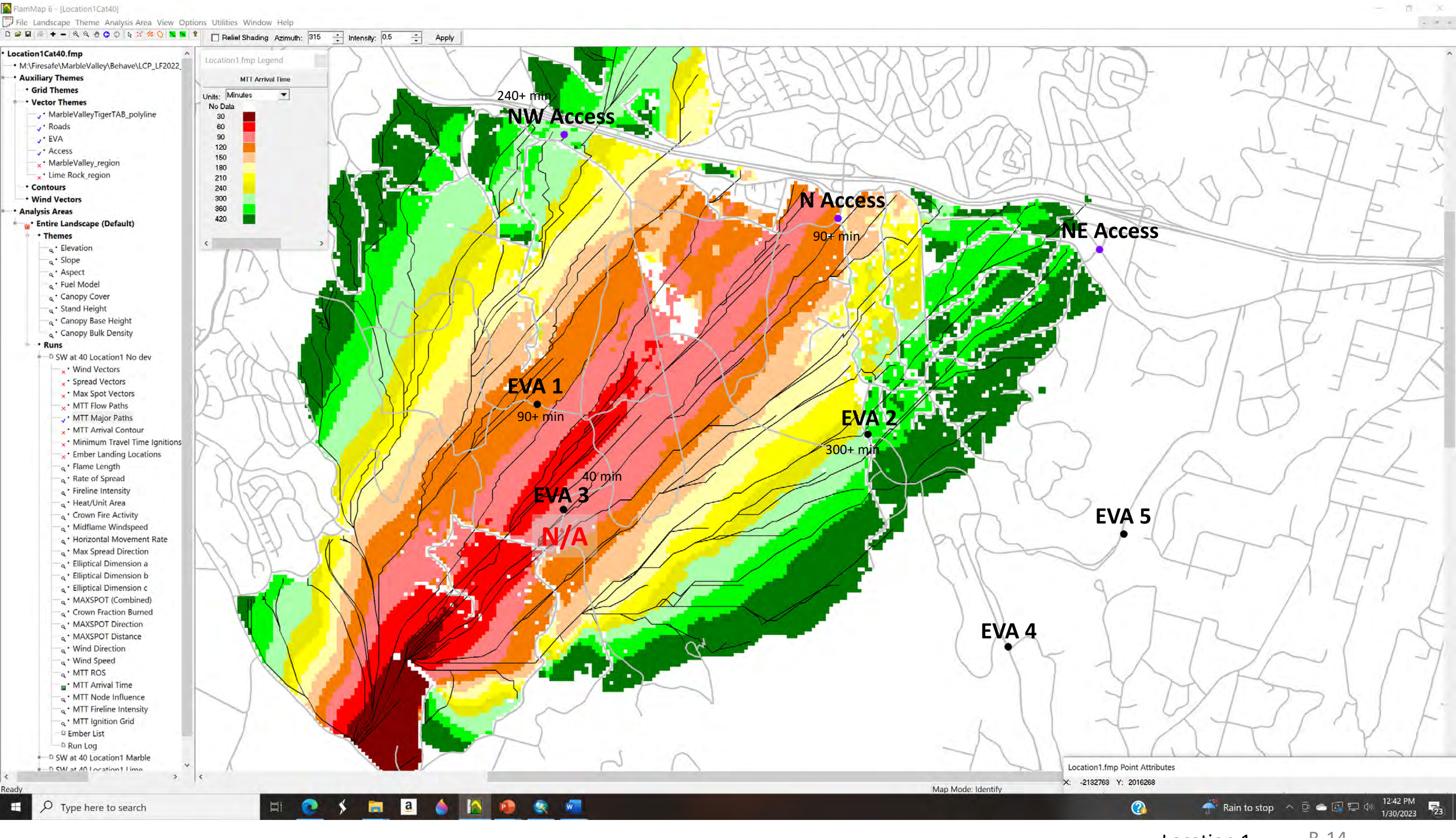
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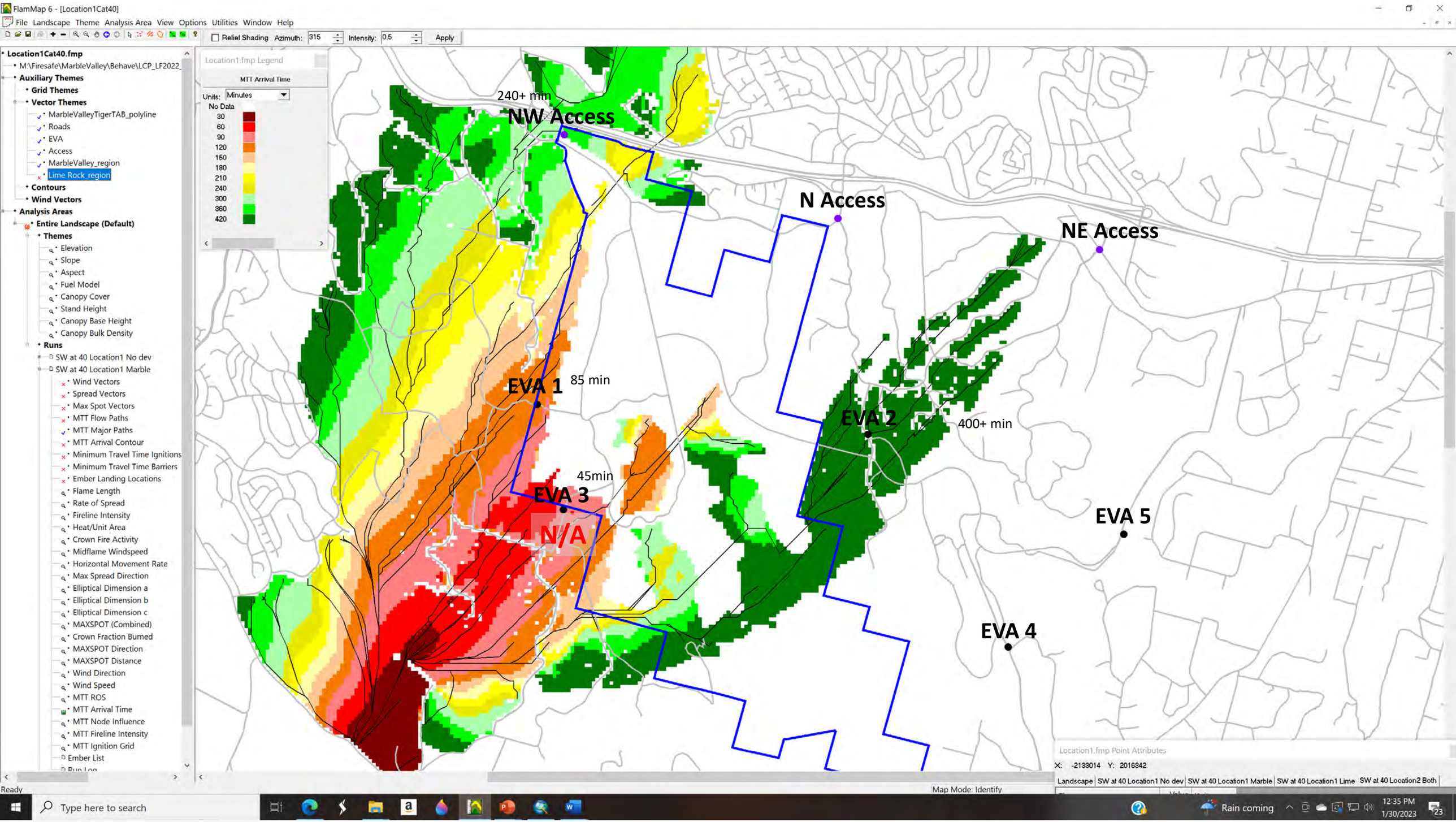
Location 1 SW wind at 50 mph Both – Scn 1J



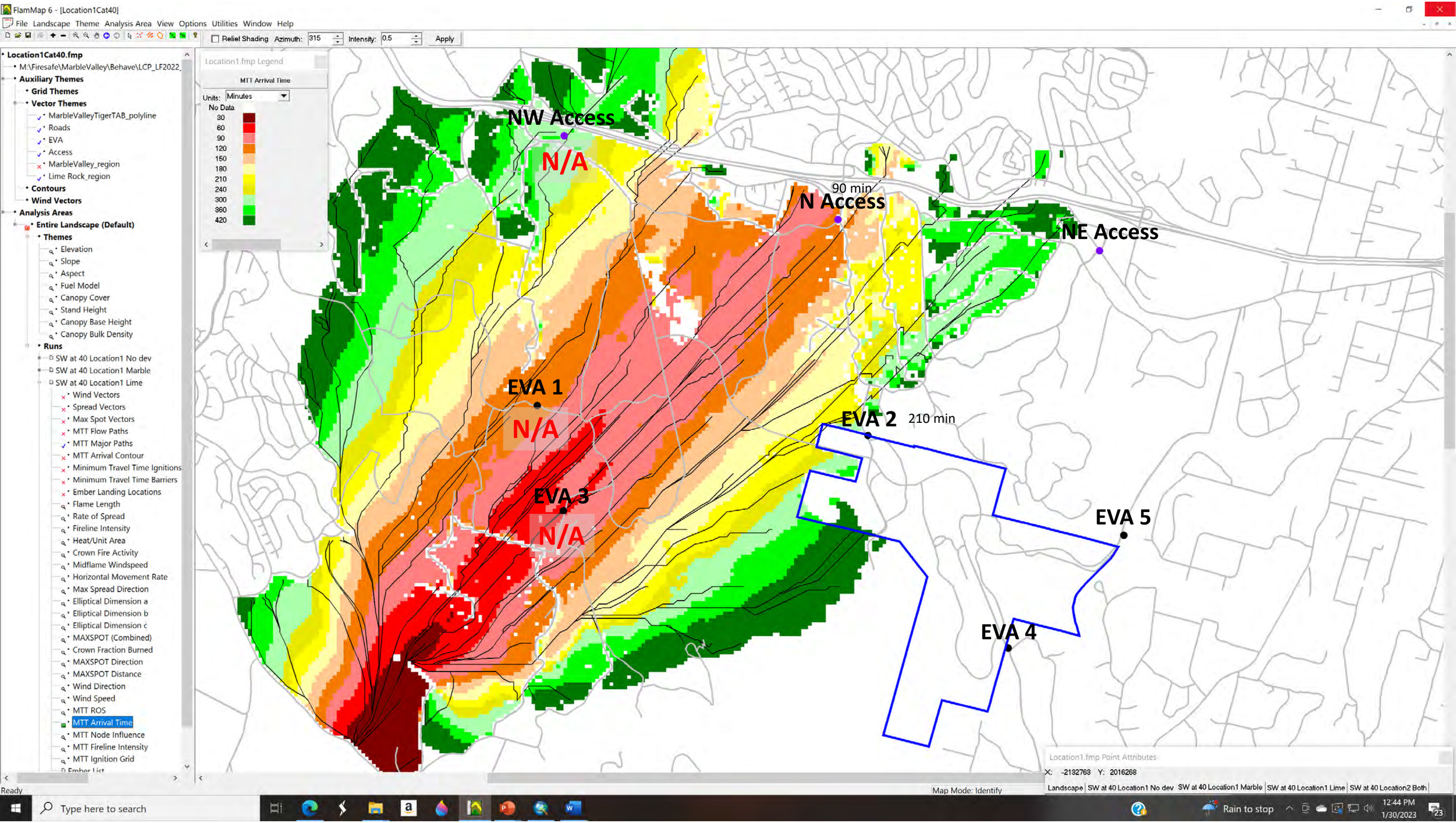
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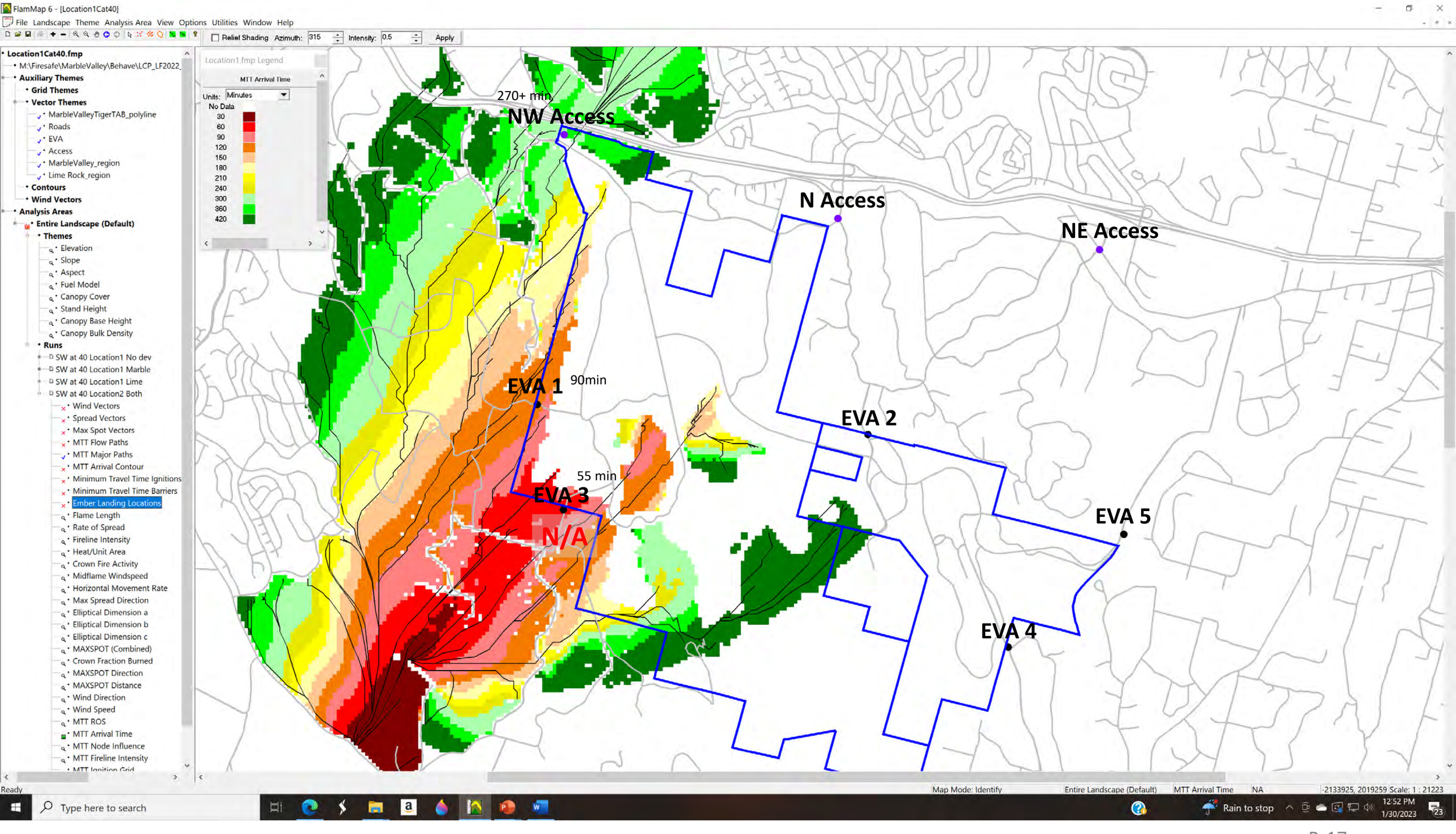
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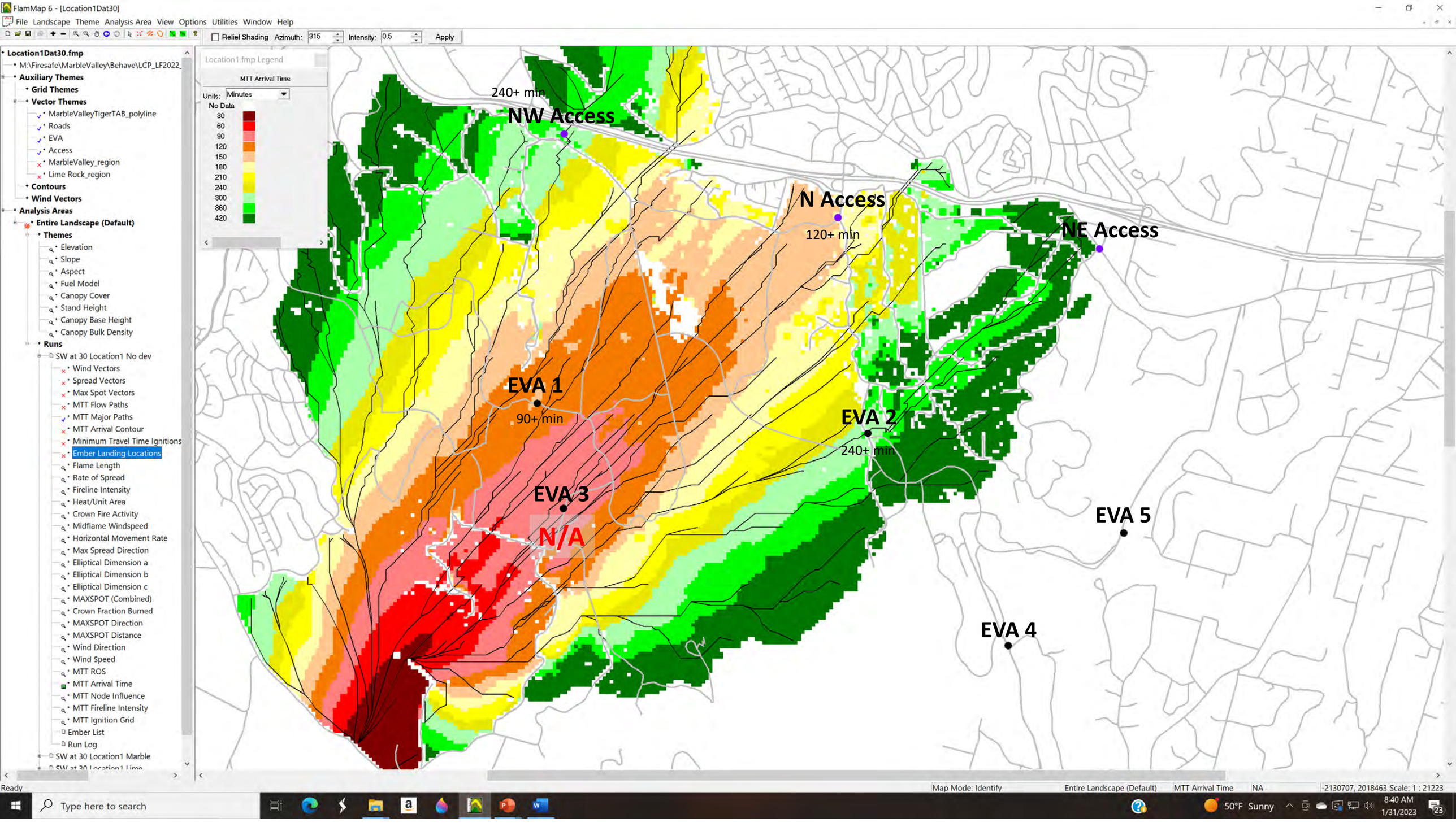
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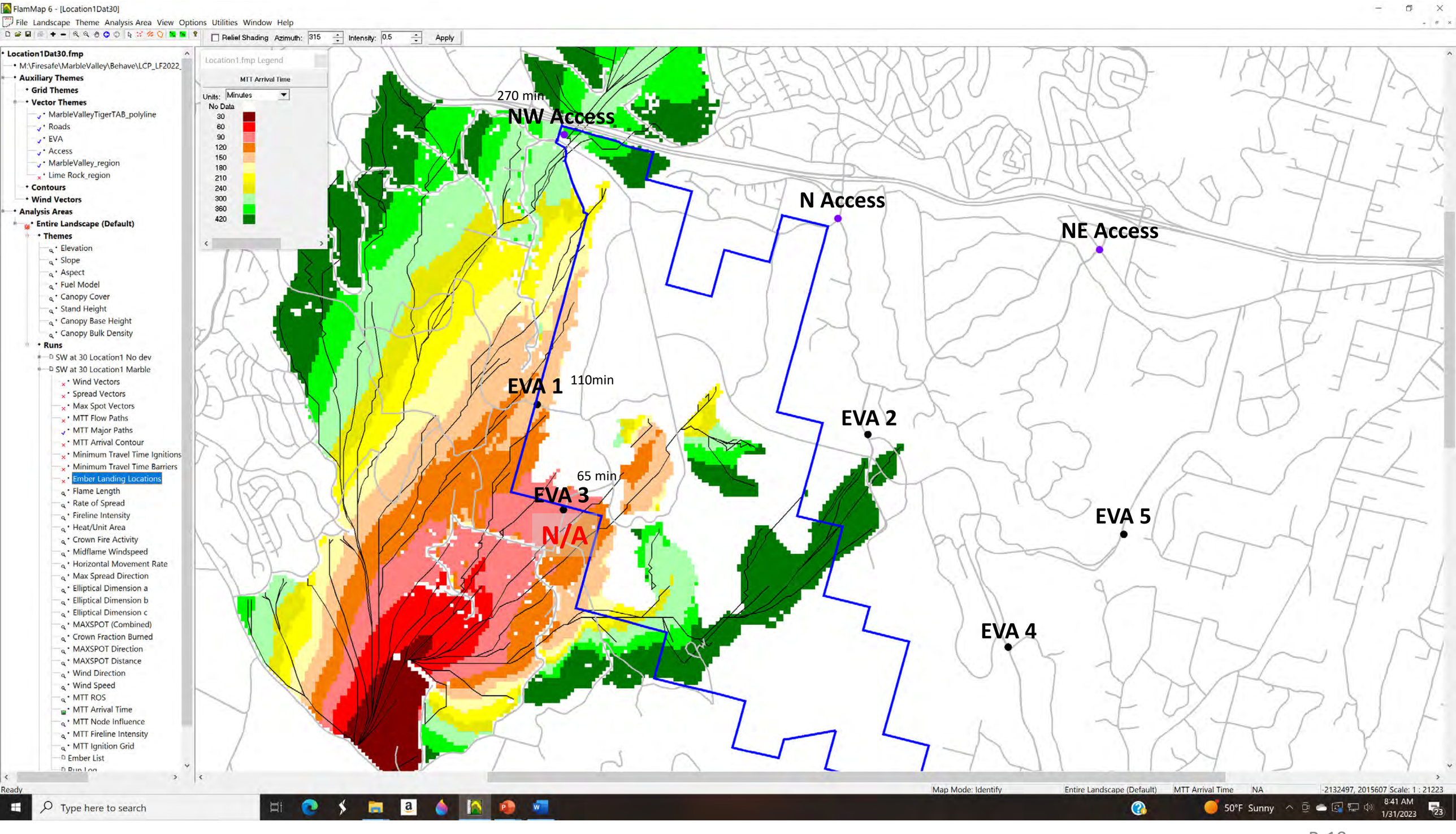
Location 1 SW wind at 40 mph Both – Scn 1N



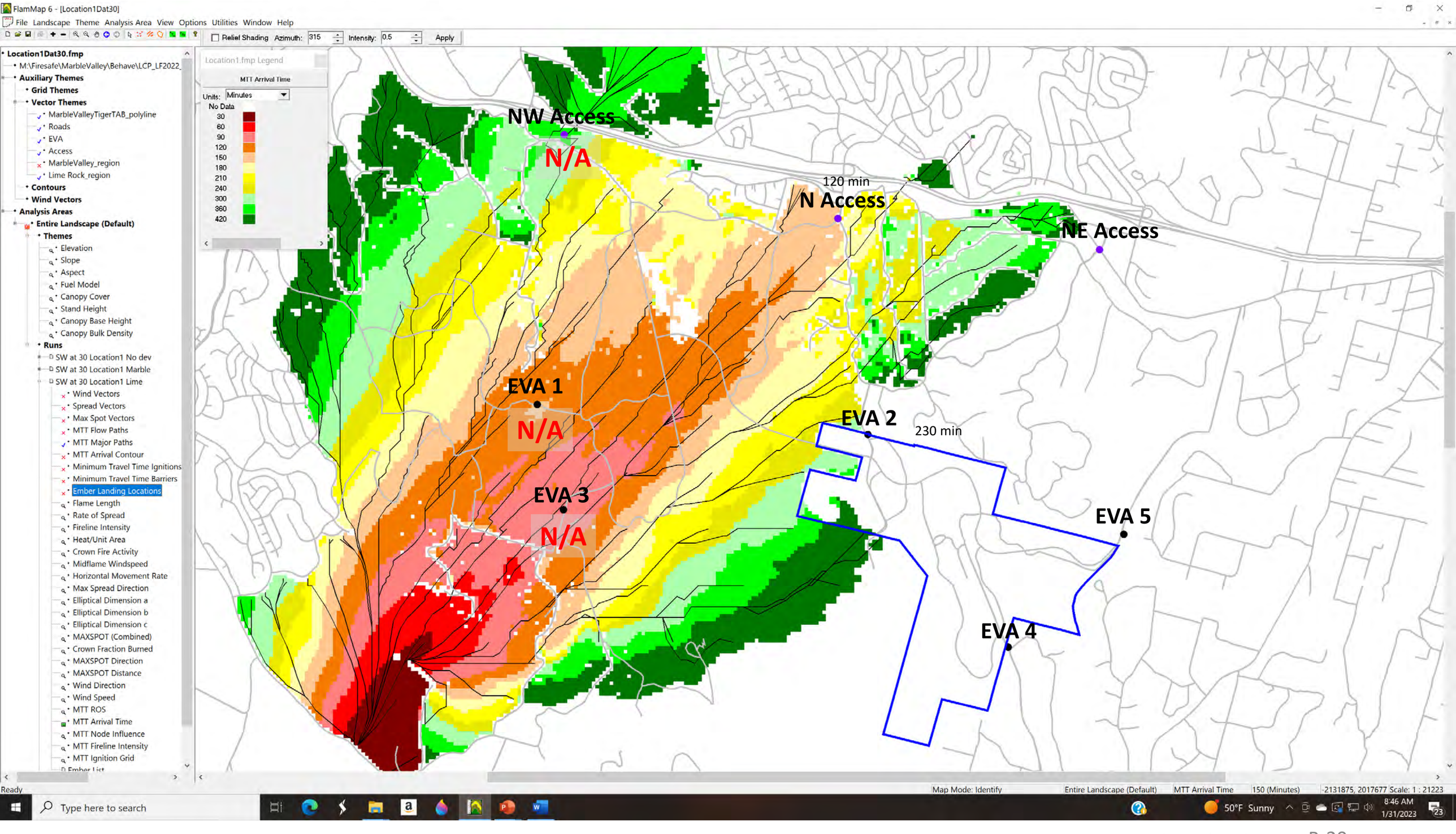
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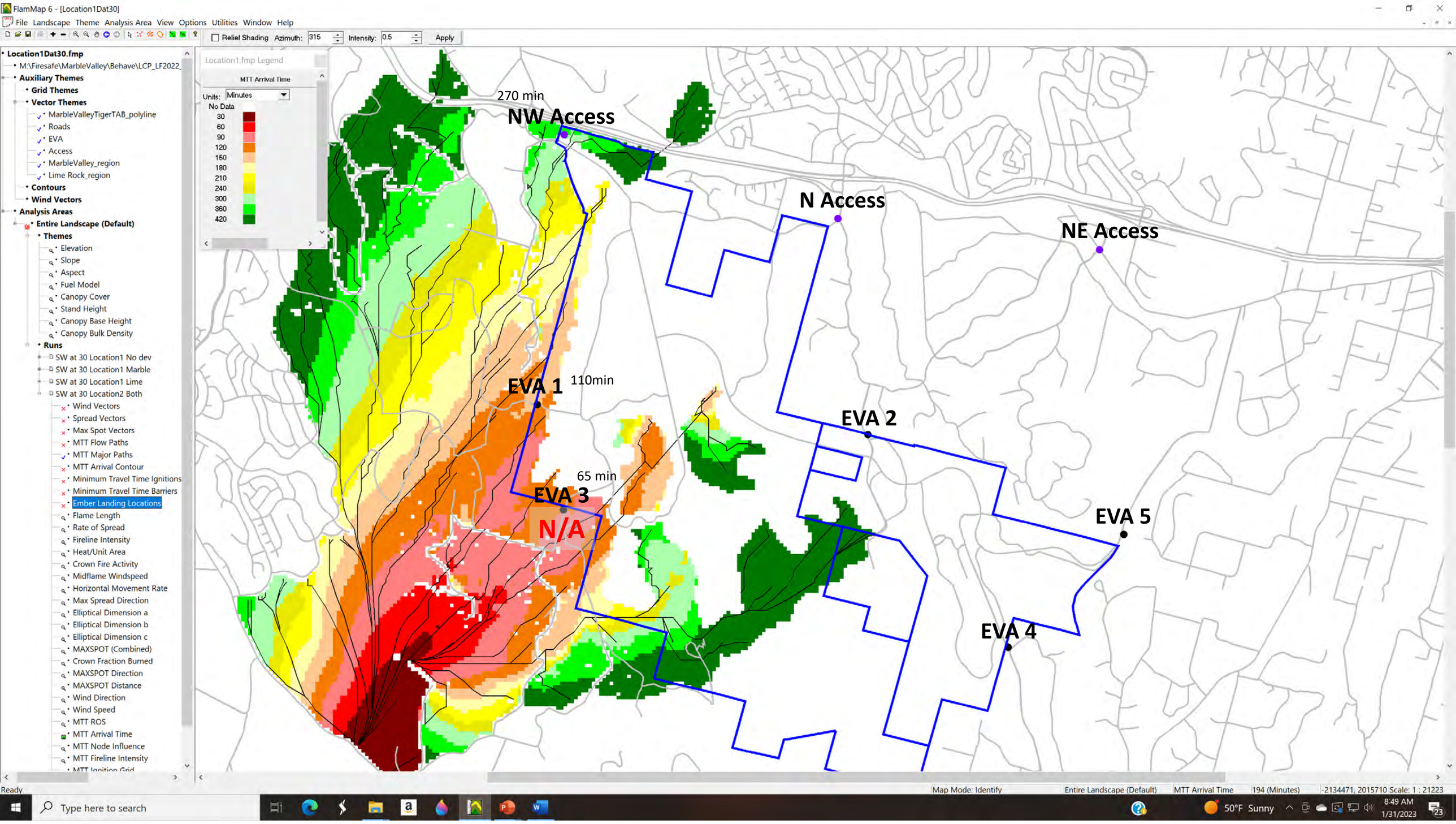
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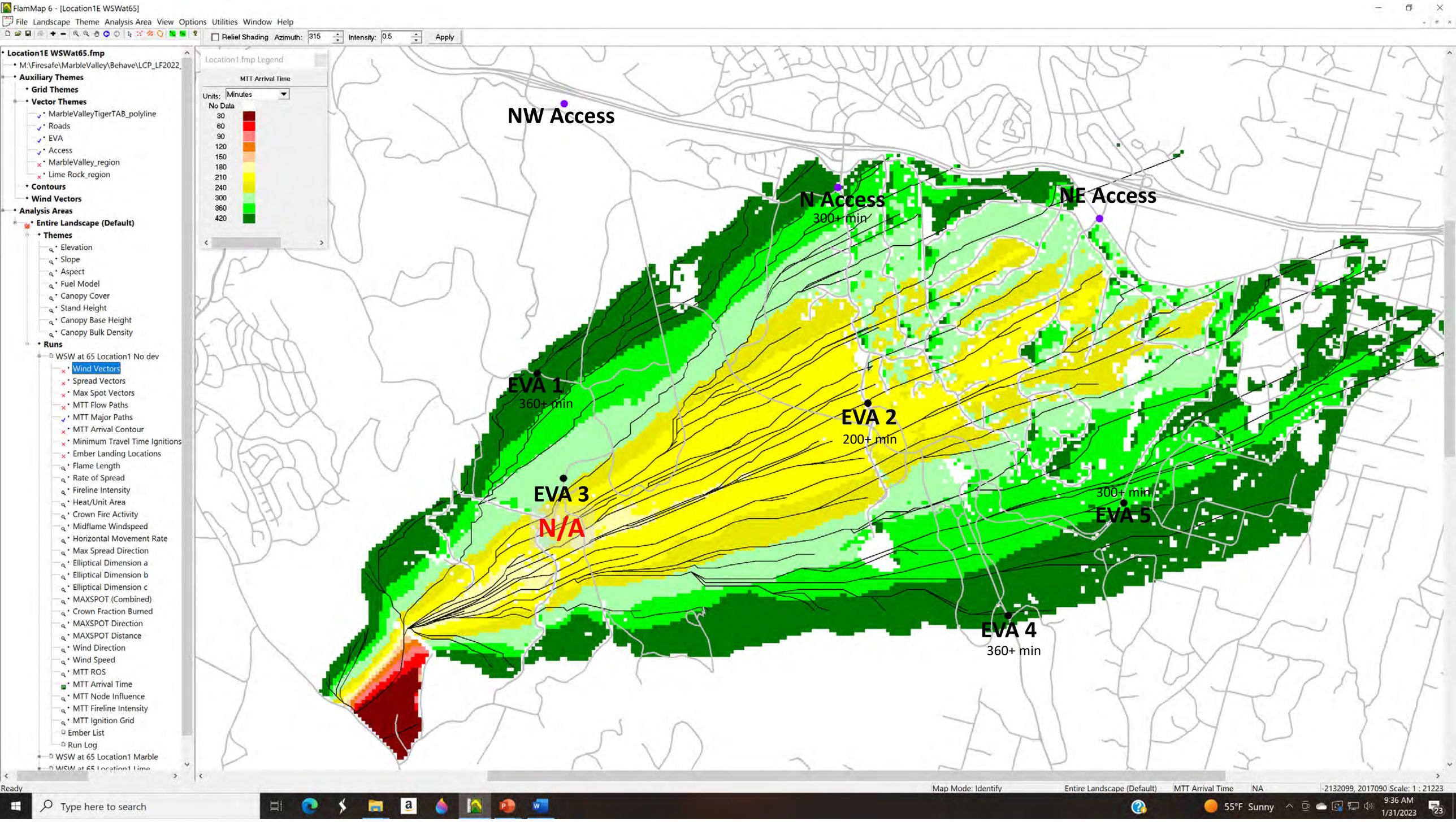
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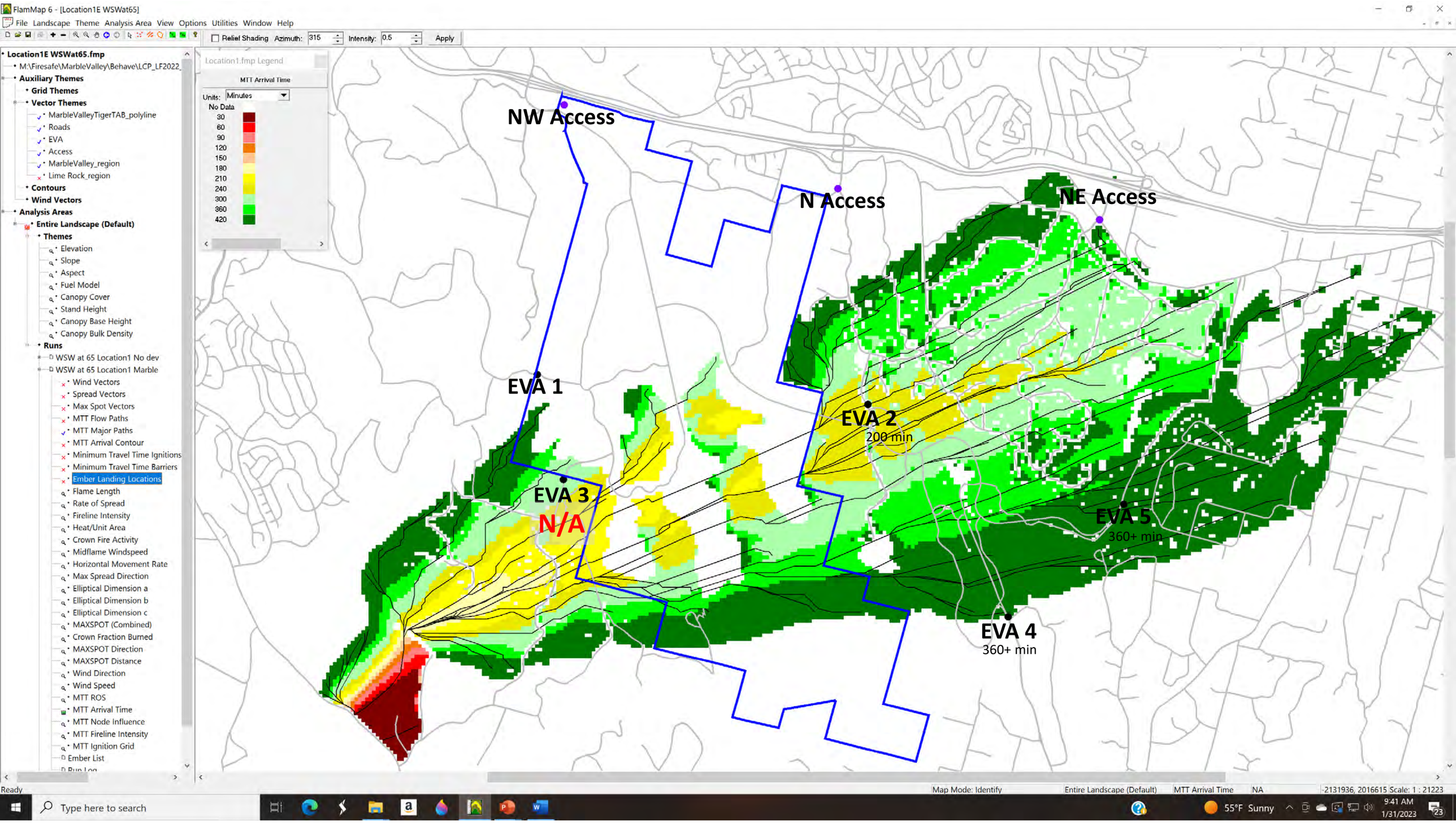
Location 1 SW wind at 30 mph Both – Scn 1R



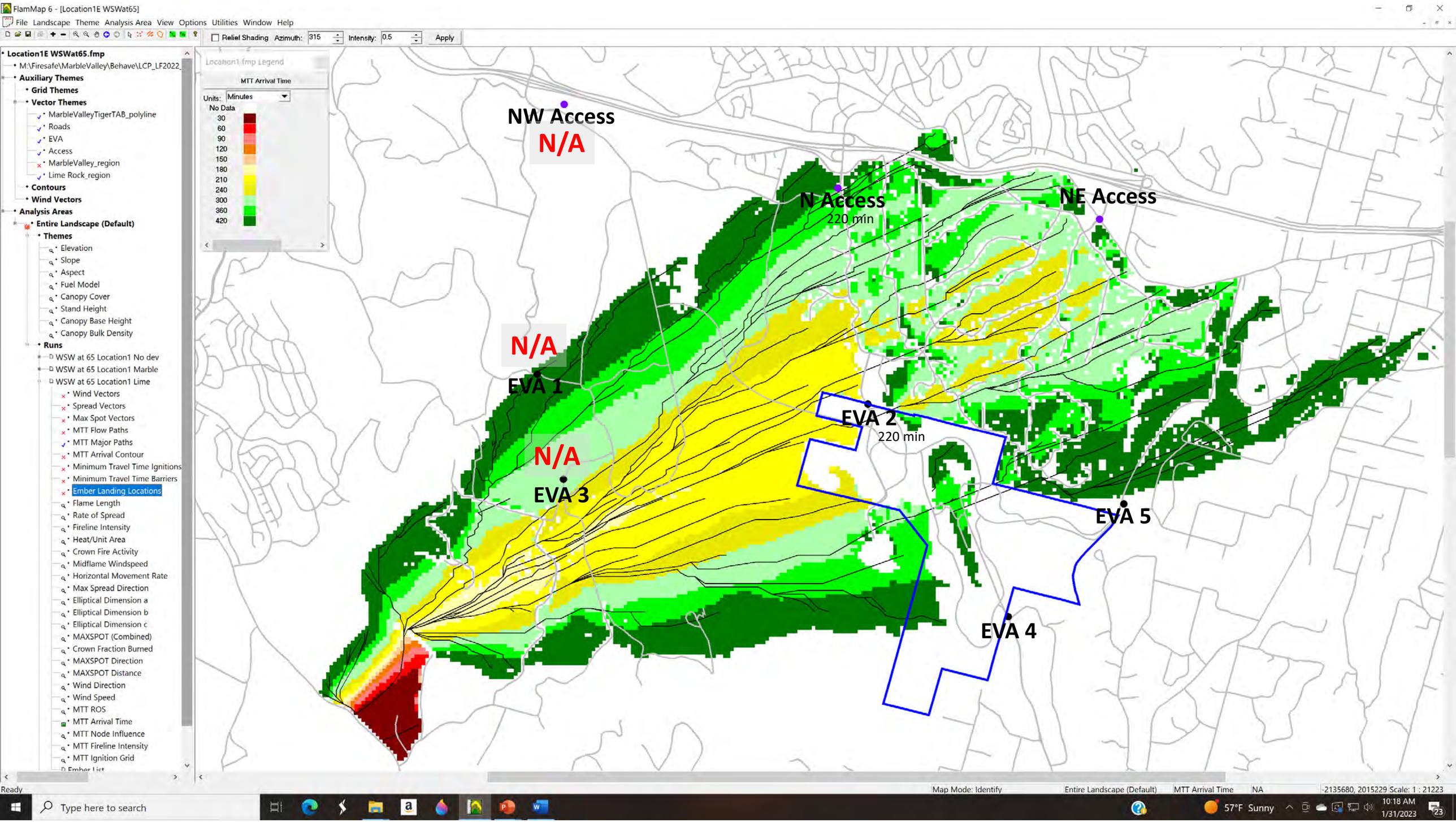
Location 1 WSW wind at 65 mph No Dev – Scn 1-S



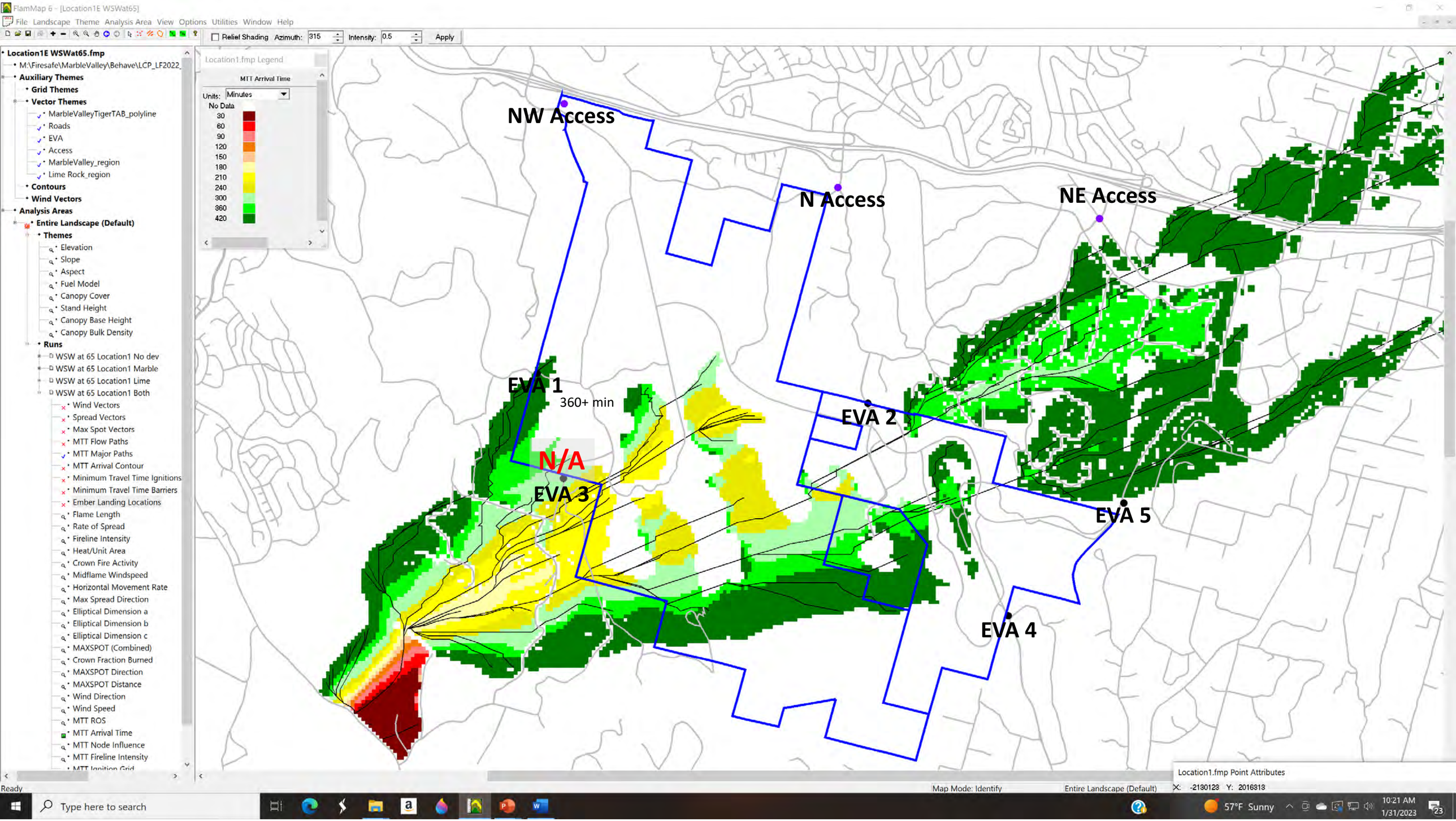
Location 1 WSW wind at 65 mph Marble – Scn 1T



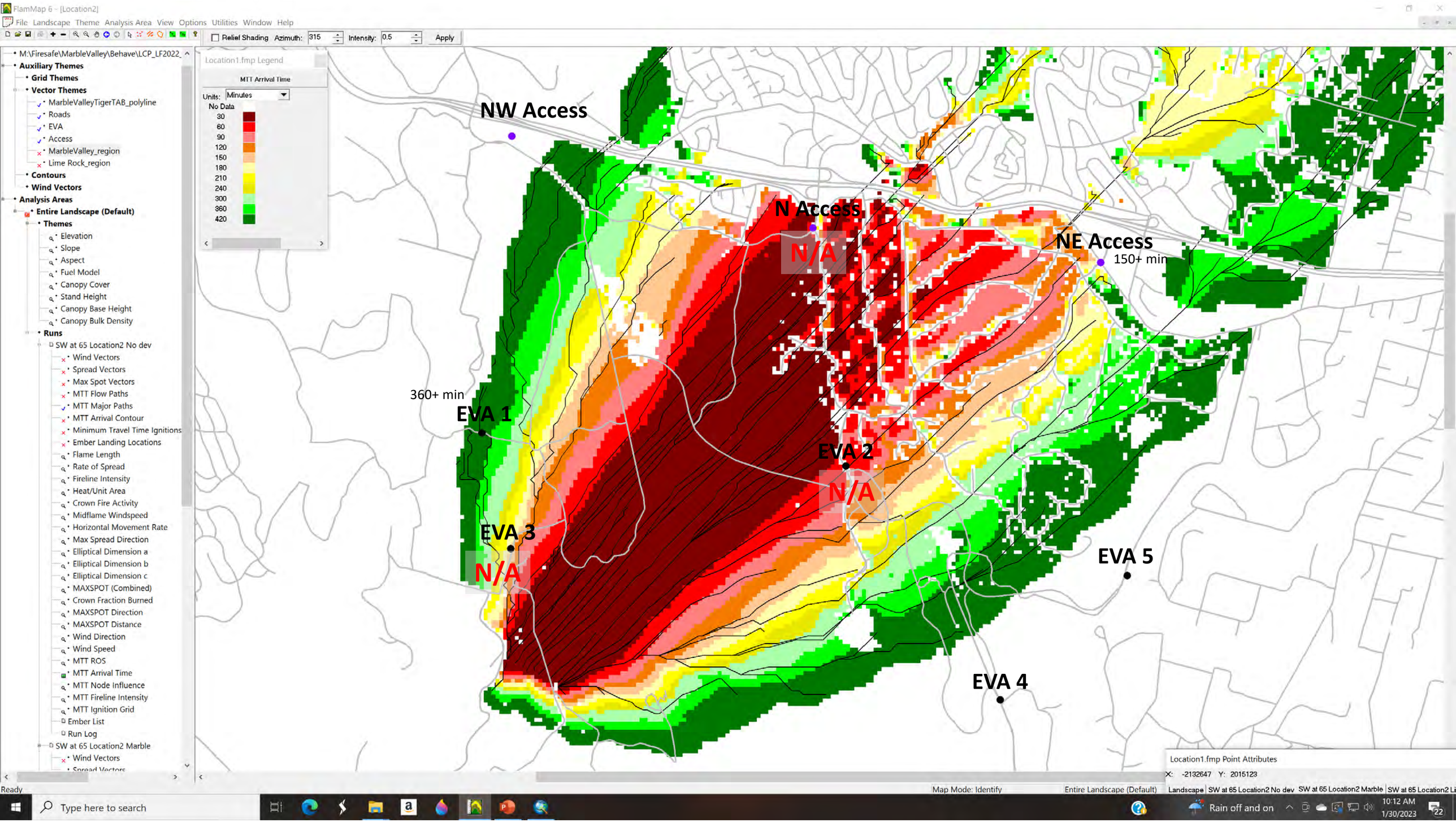
Location 1 WSW wind at 65 mph Lime – Scn 1U



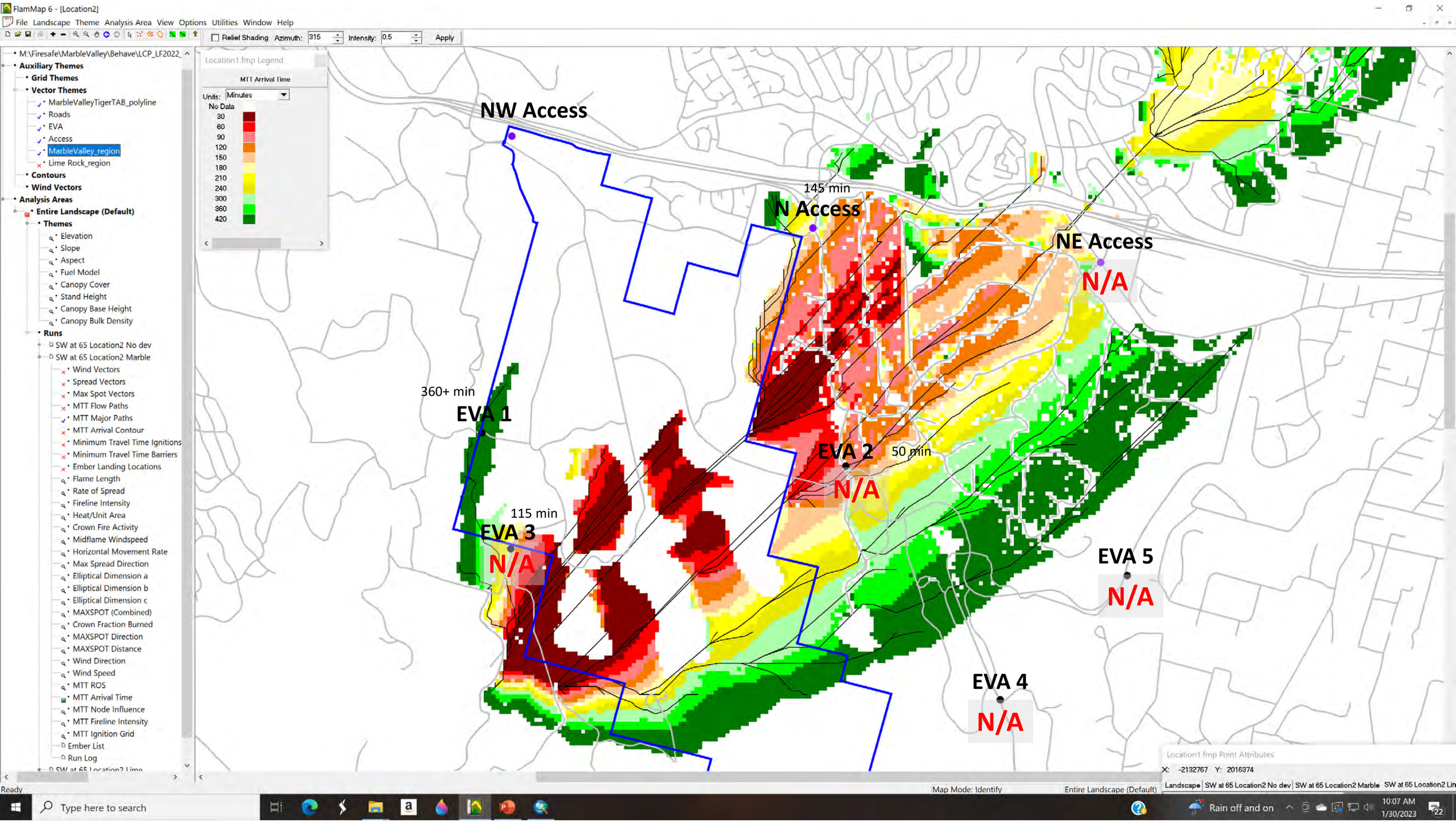
Location 1 WSW wind at 65 mph Both – Scn 1V



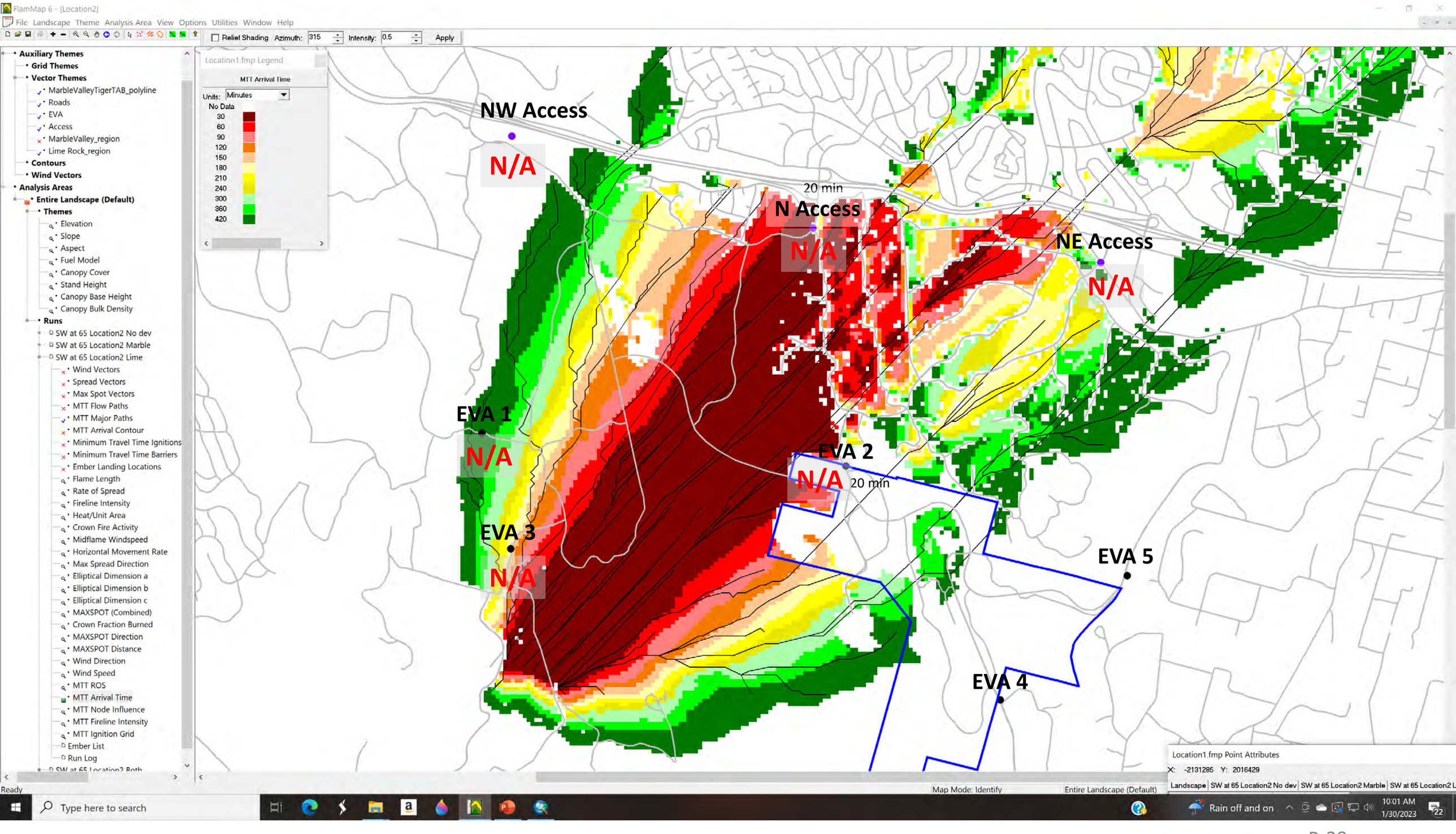
Location 2 SW wind at 65 mph No Dev – Scn 2A



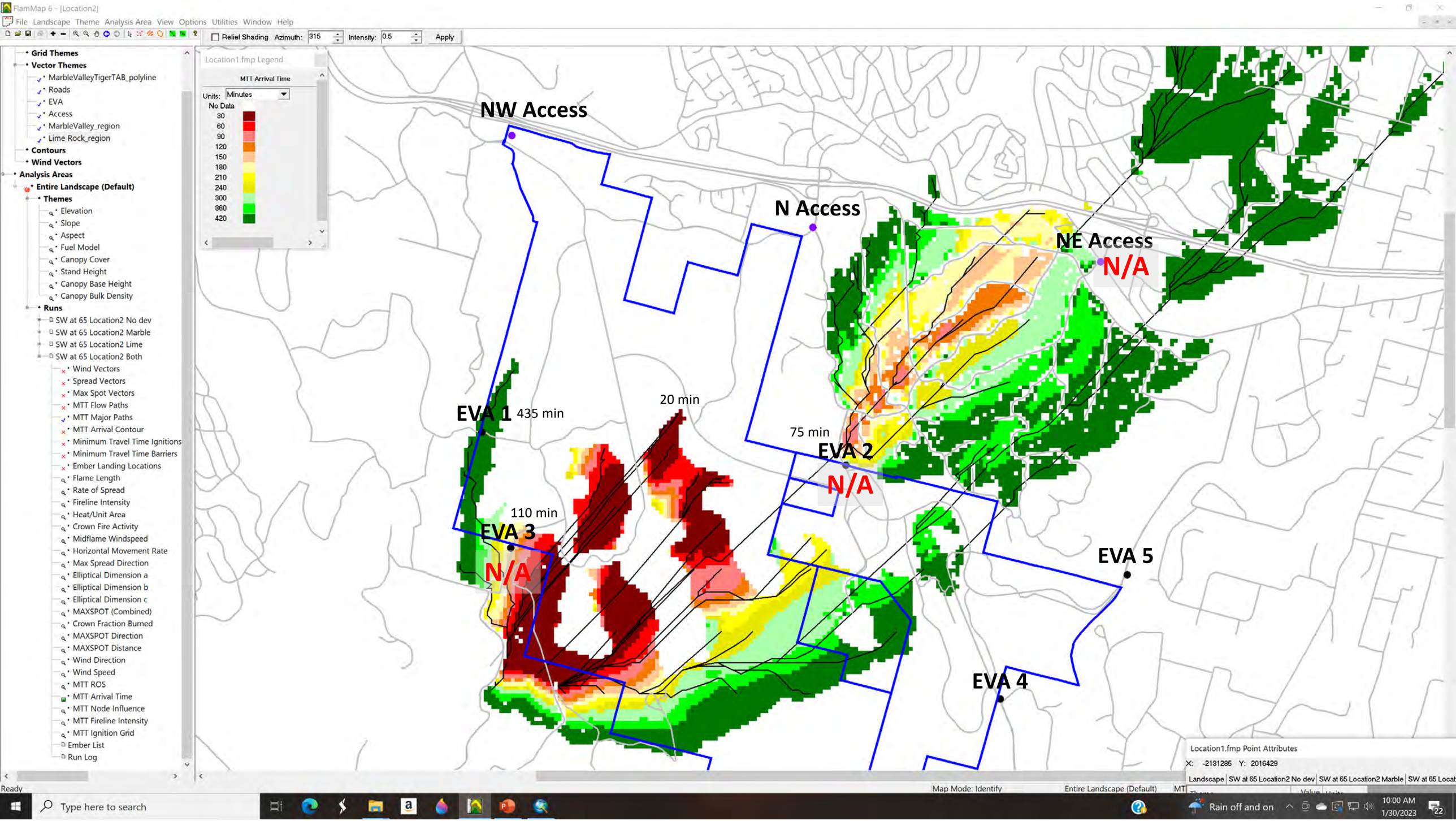
Location 2 SW wind at 65 mph Marble – Scn 2B



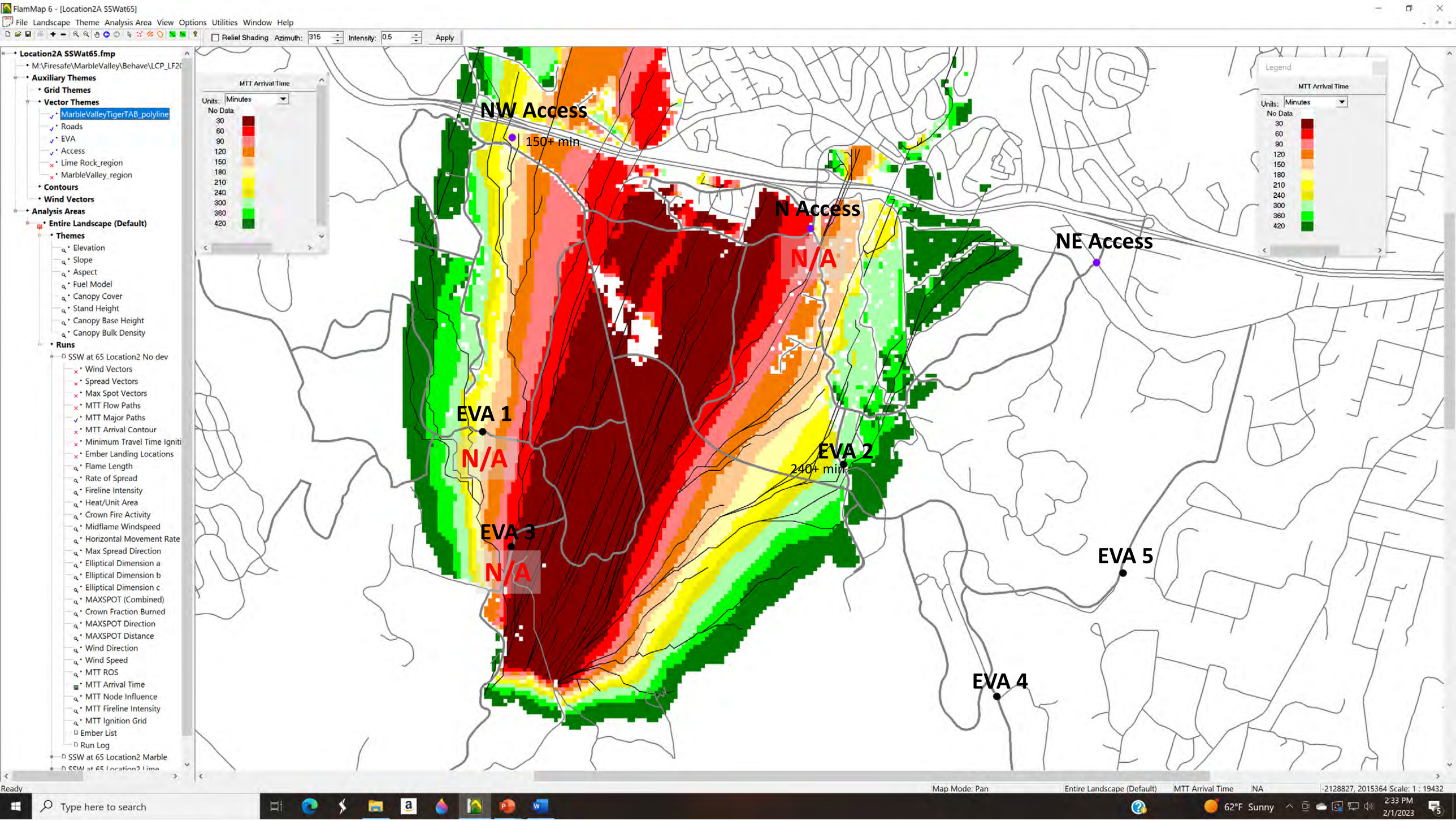
Location 2 SW wind at 65 mph Lime – Scn 2C



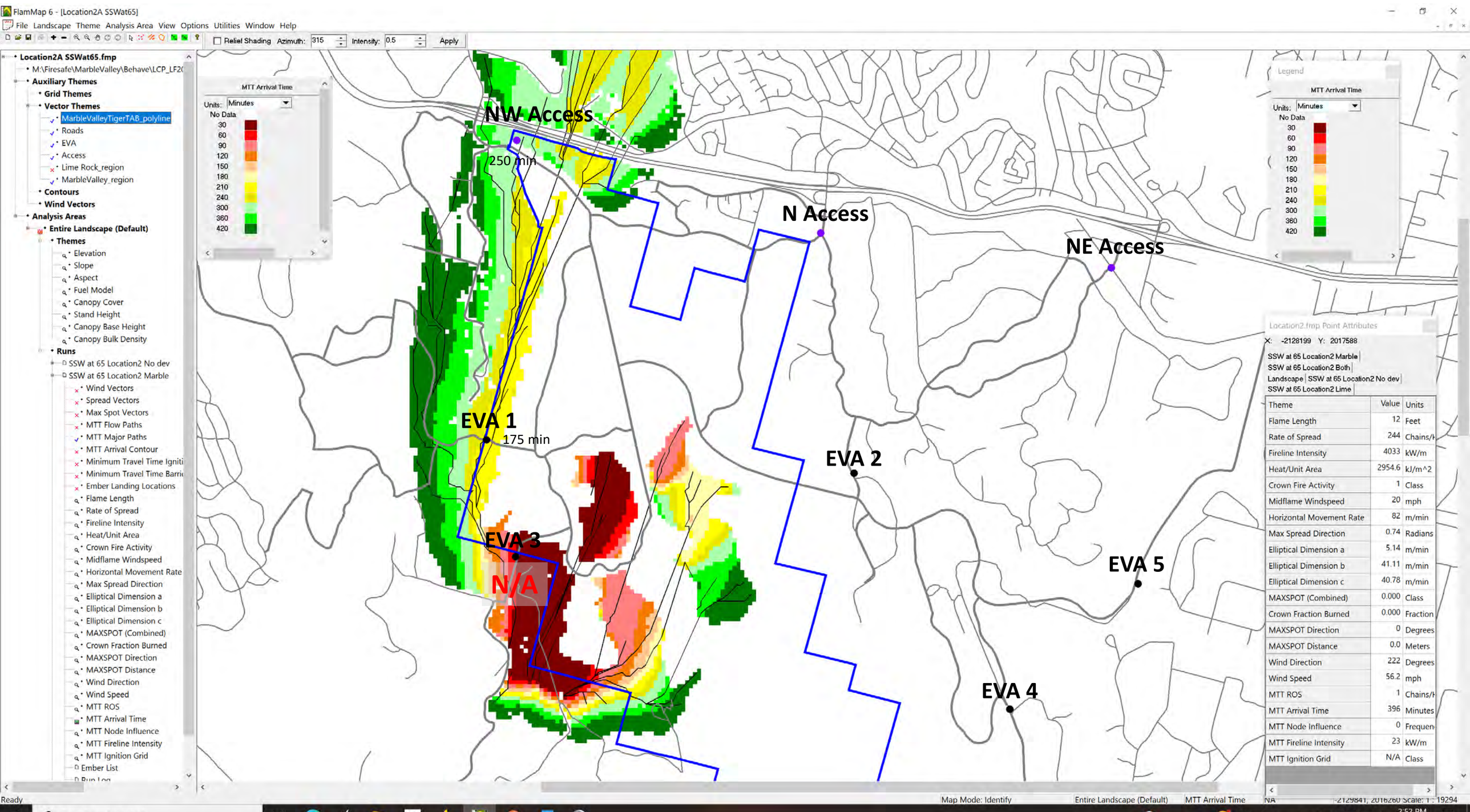
Location 2 SW wind at 65 mph Both – Scn 2D



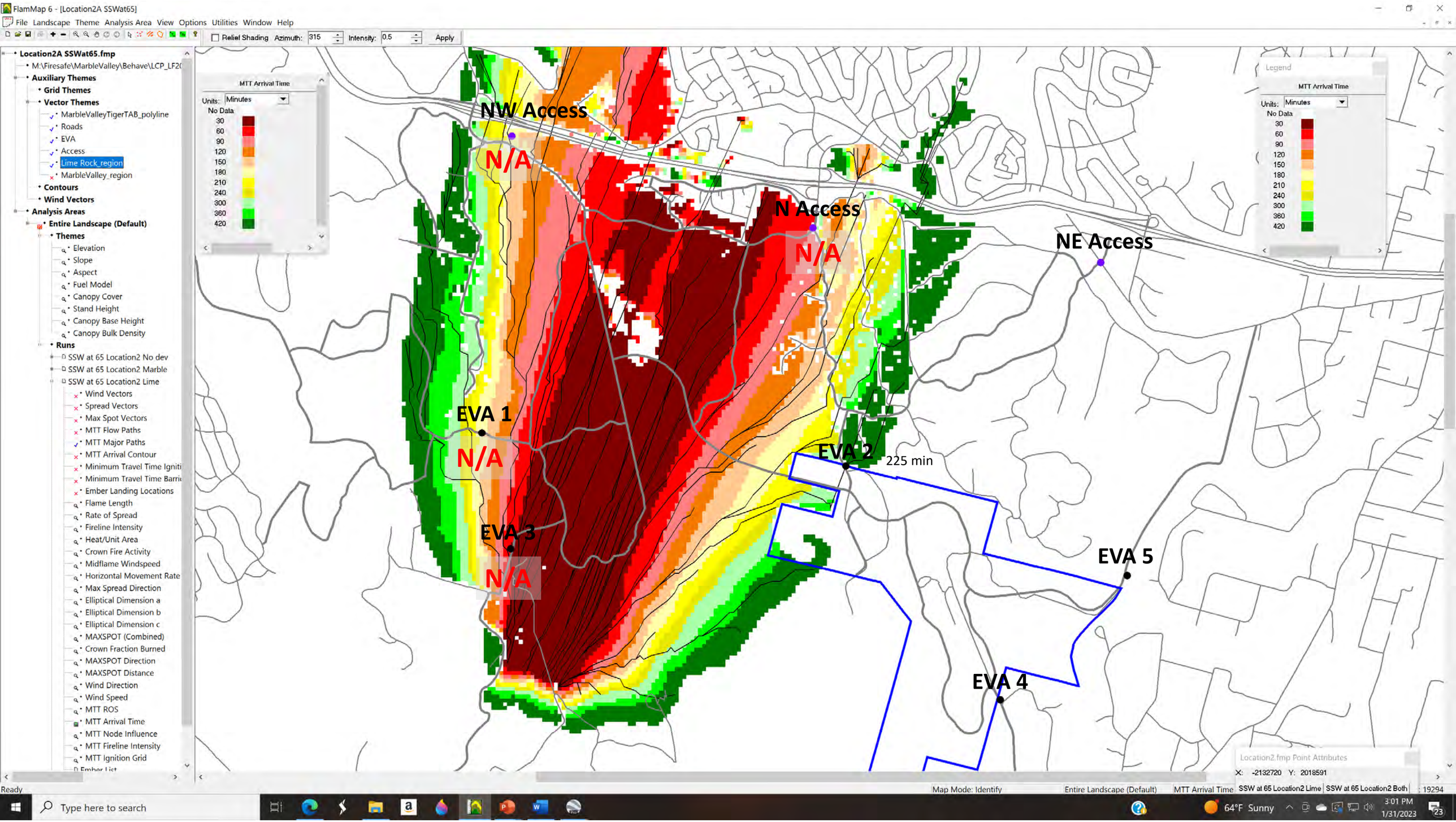
Location 2 SSW wind at 65 mph No Dev Scn 2E



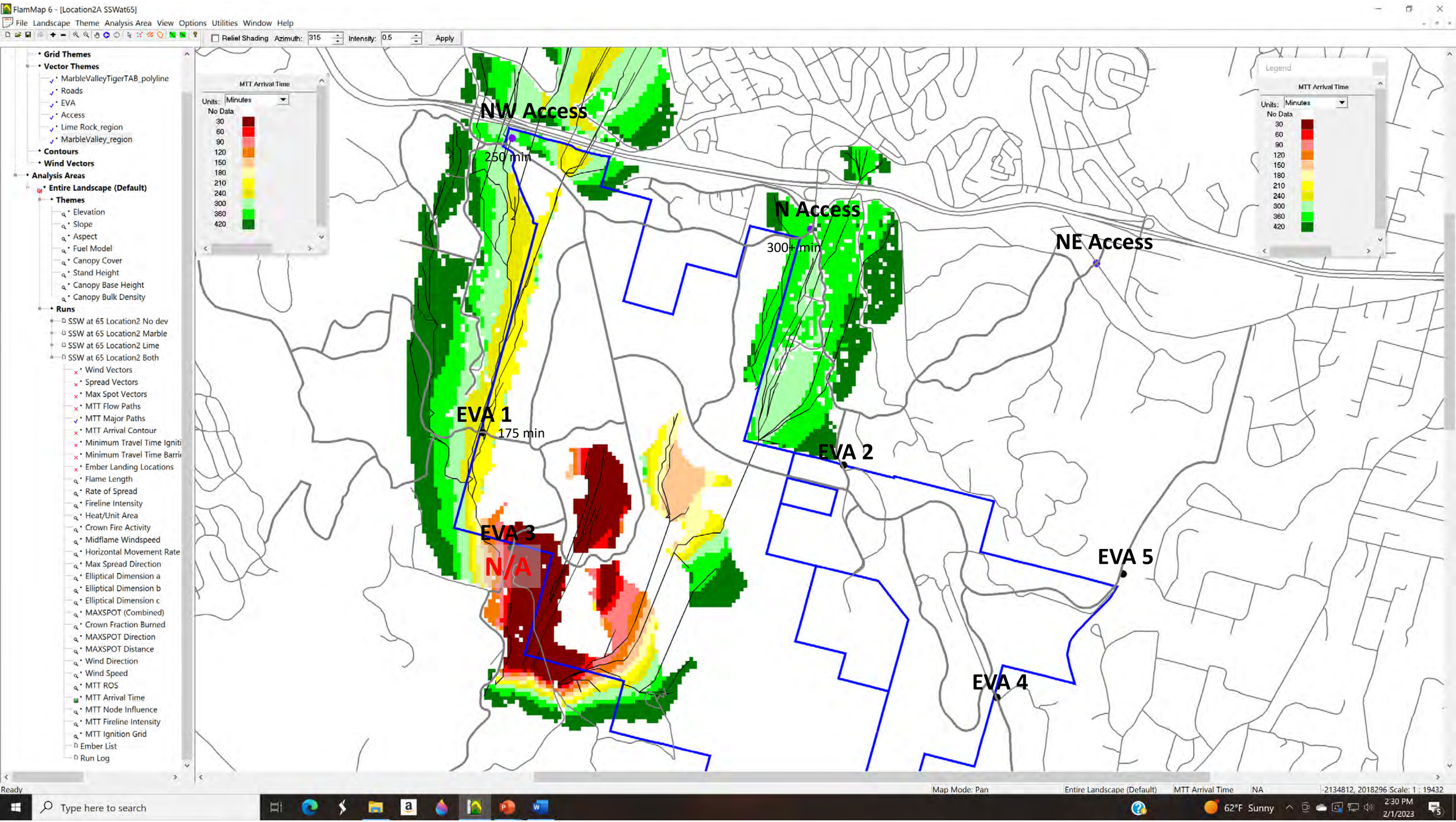
Location 2 SSW wind at 65 mph Marble – Scn 2F



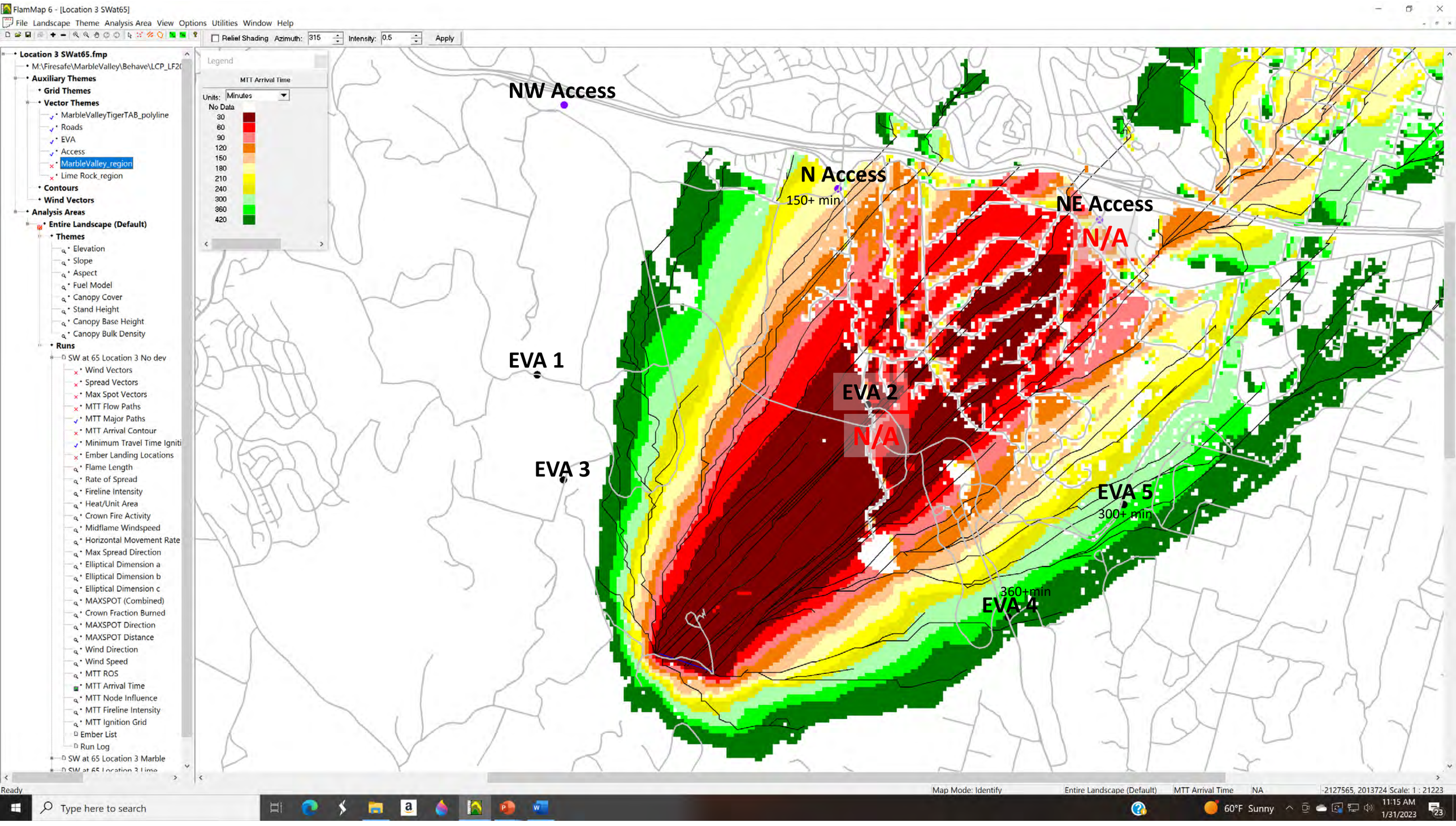
Location 2 SSW wind at 65 mph Lime – Scn 2G



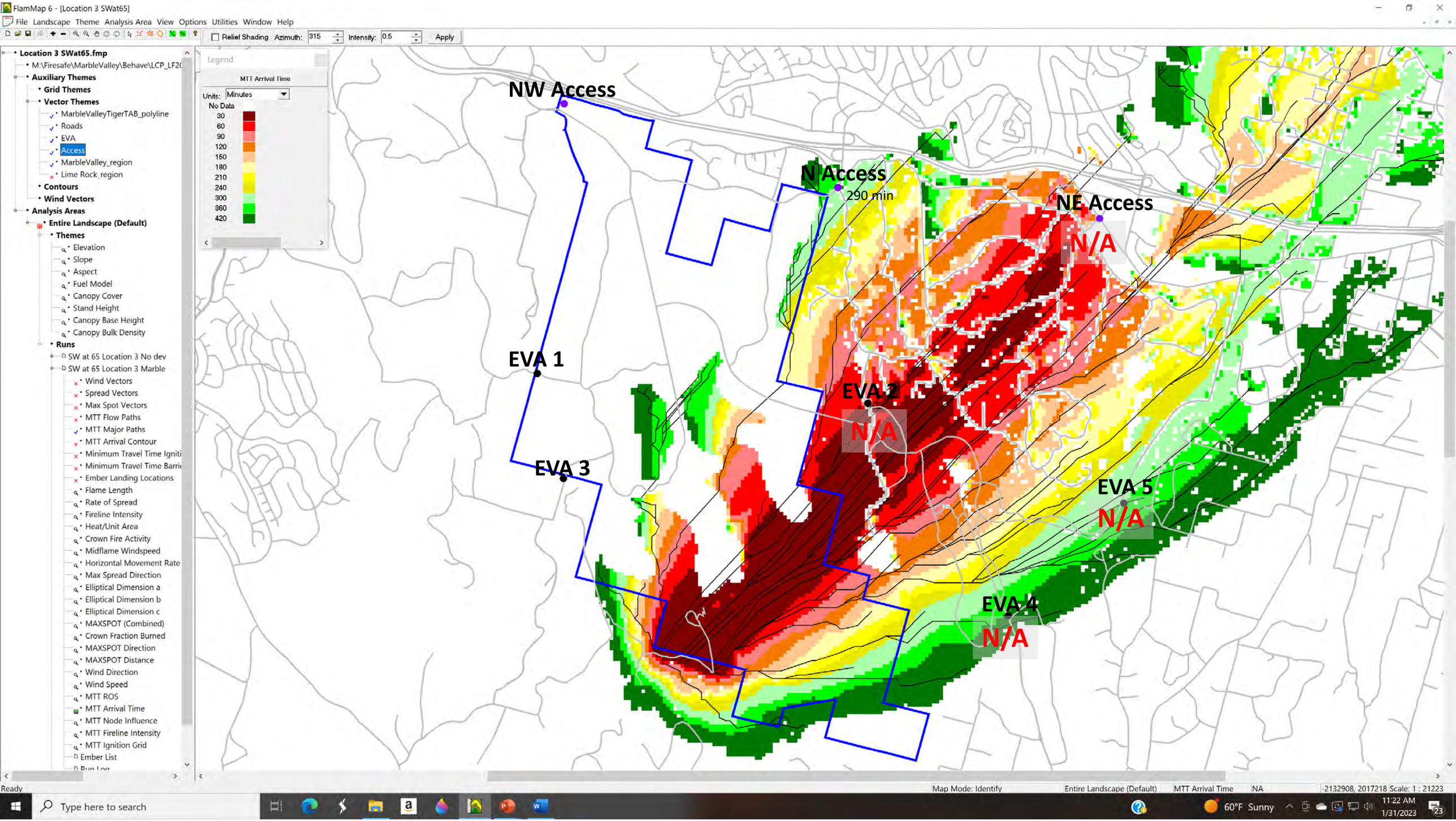
Location 2 SSW wind at 65 mph Both – Scn 2H



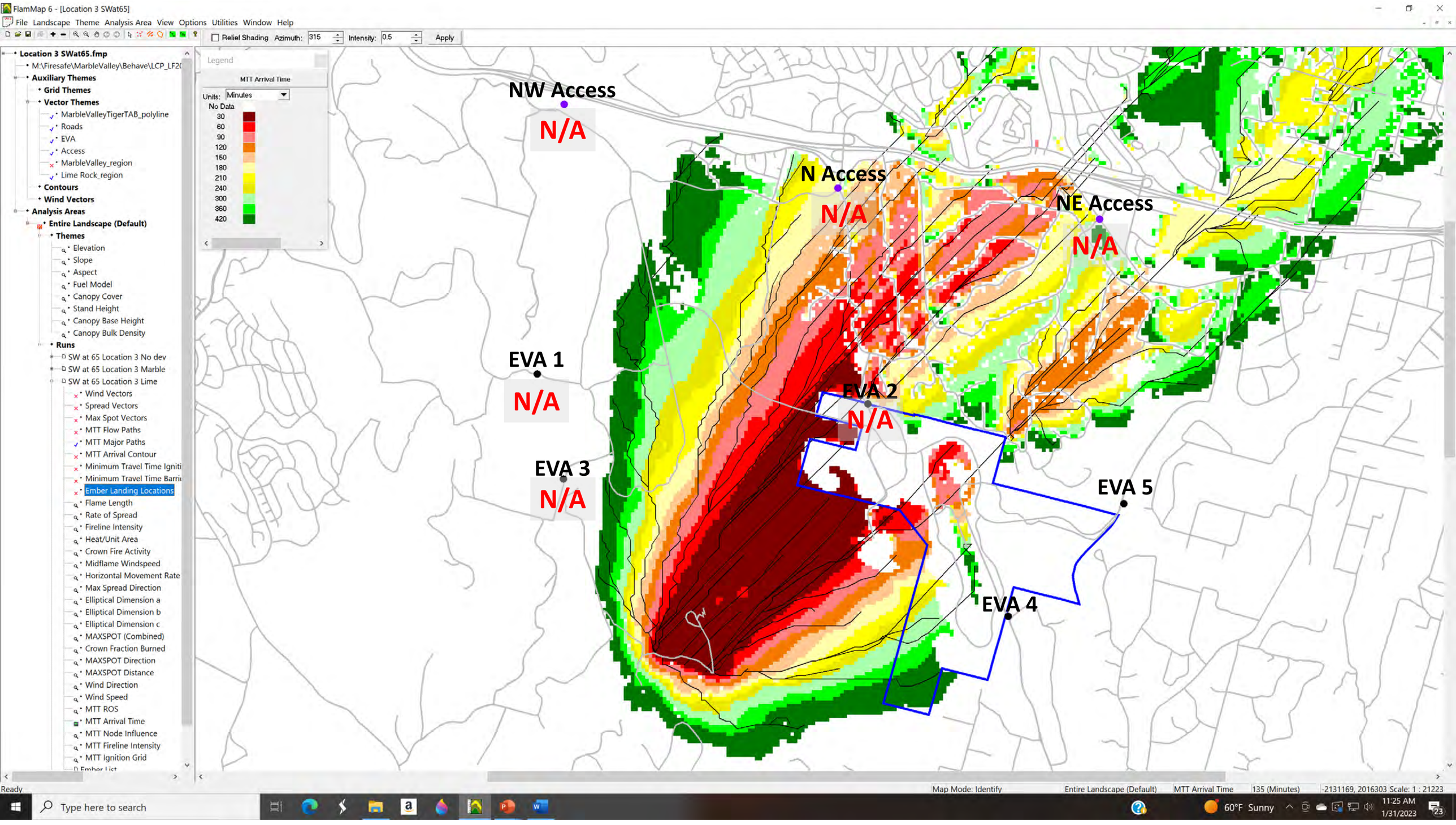
Location 3 SW wind at 65 mph No Dev – Scn 3A



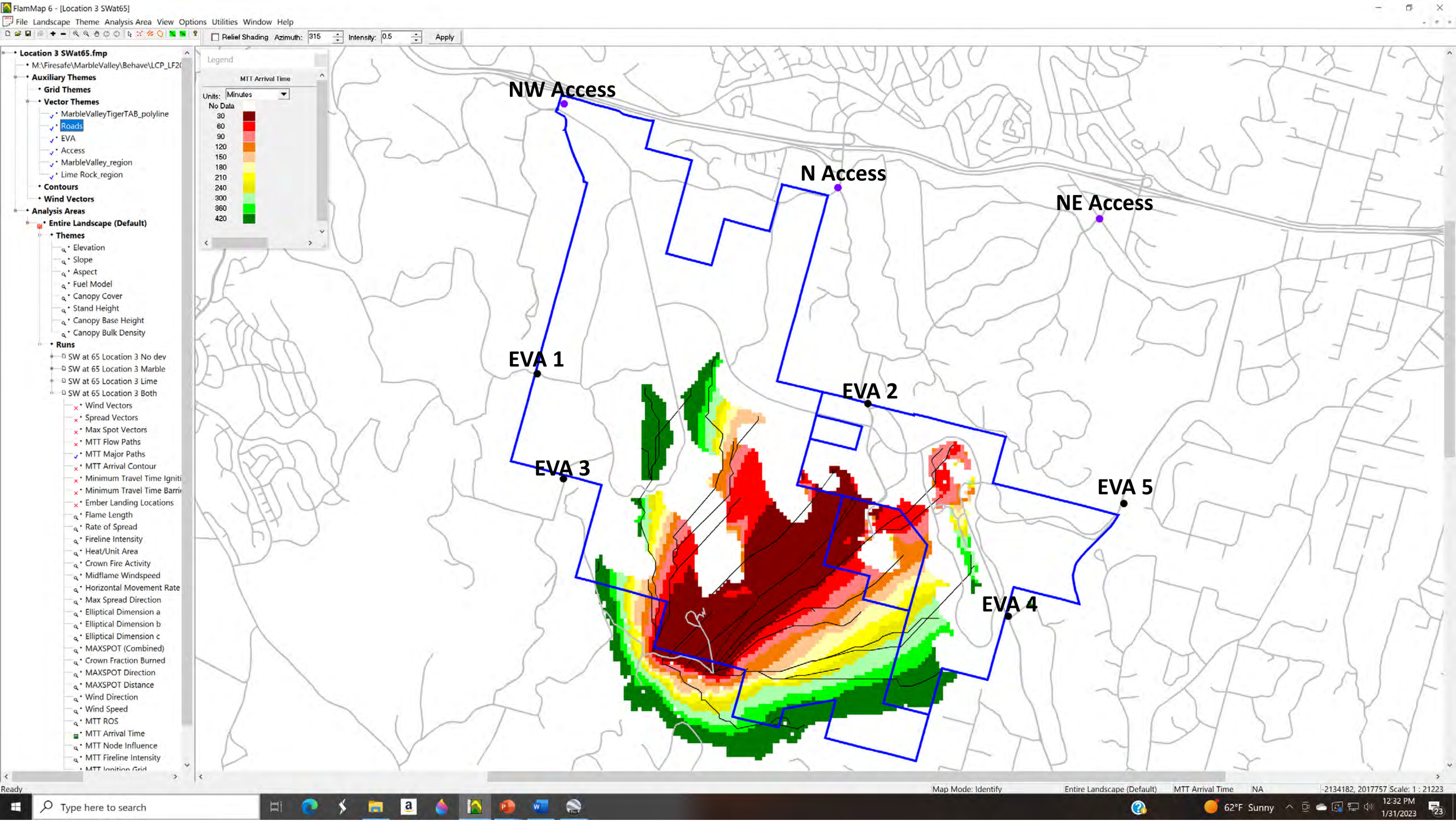
Location 3 SW wind at 65 mph Marble – Scn 3B



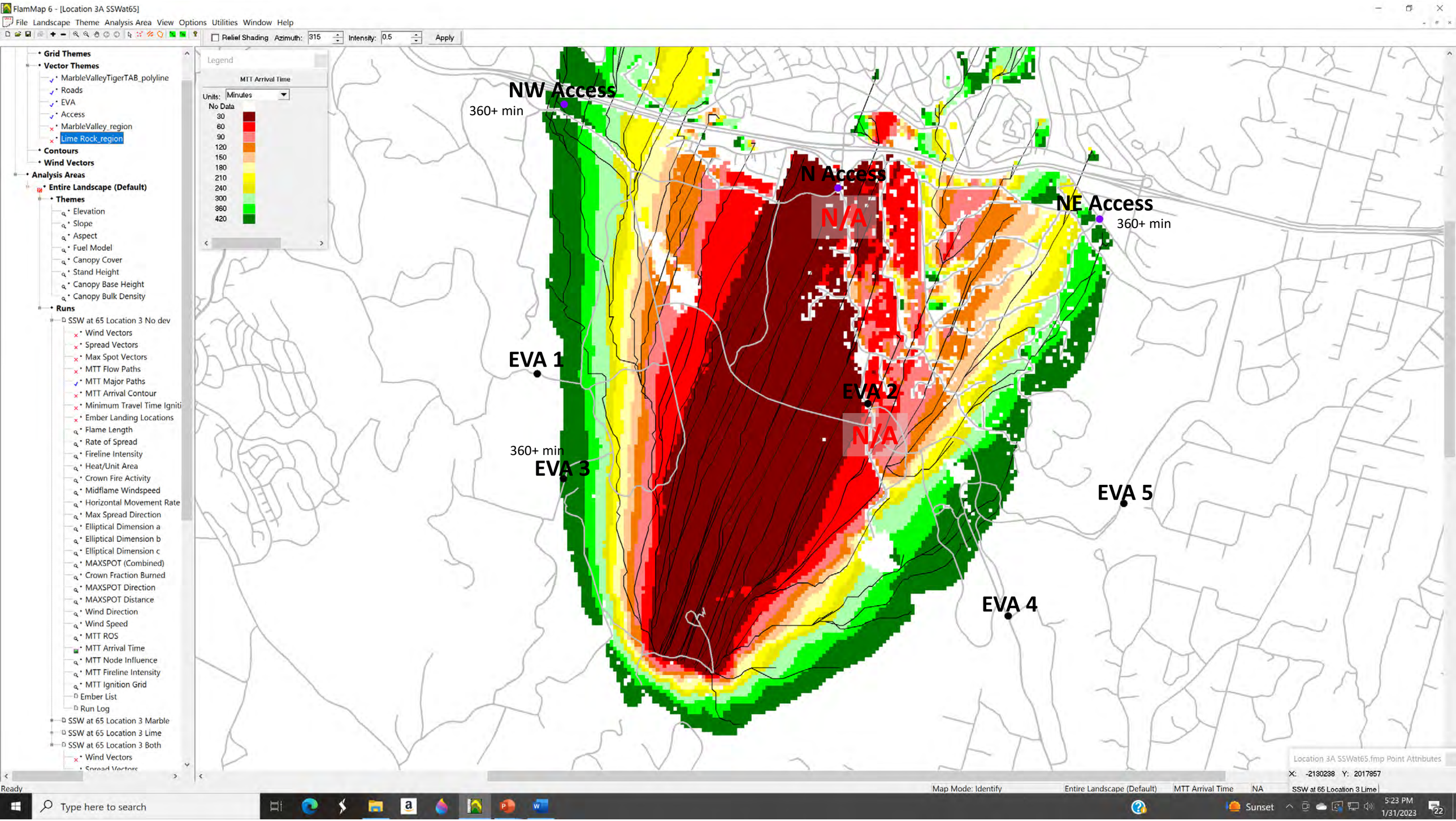
Location 3 SW wind at 65 mph Lime – Scn 3C



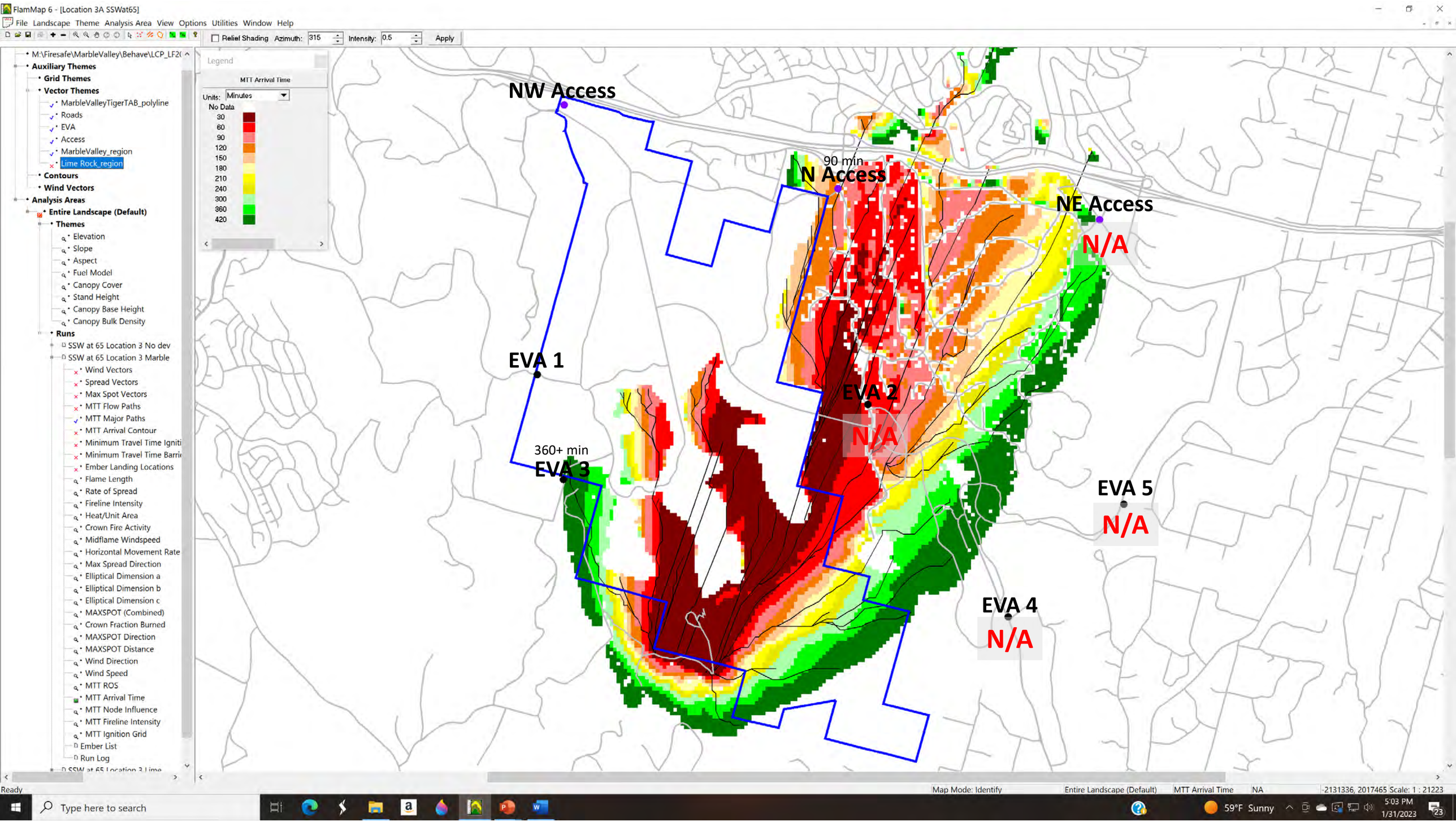
Location 3 SW wind at 65 mph Both – Scn 3D



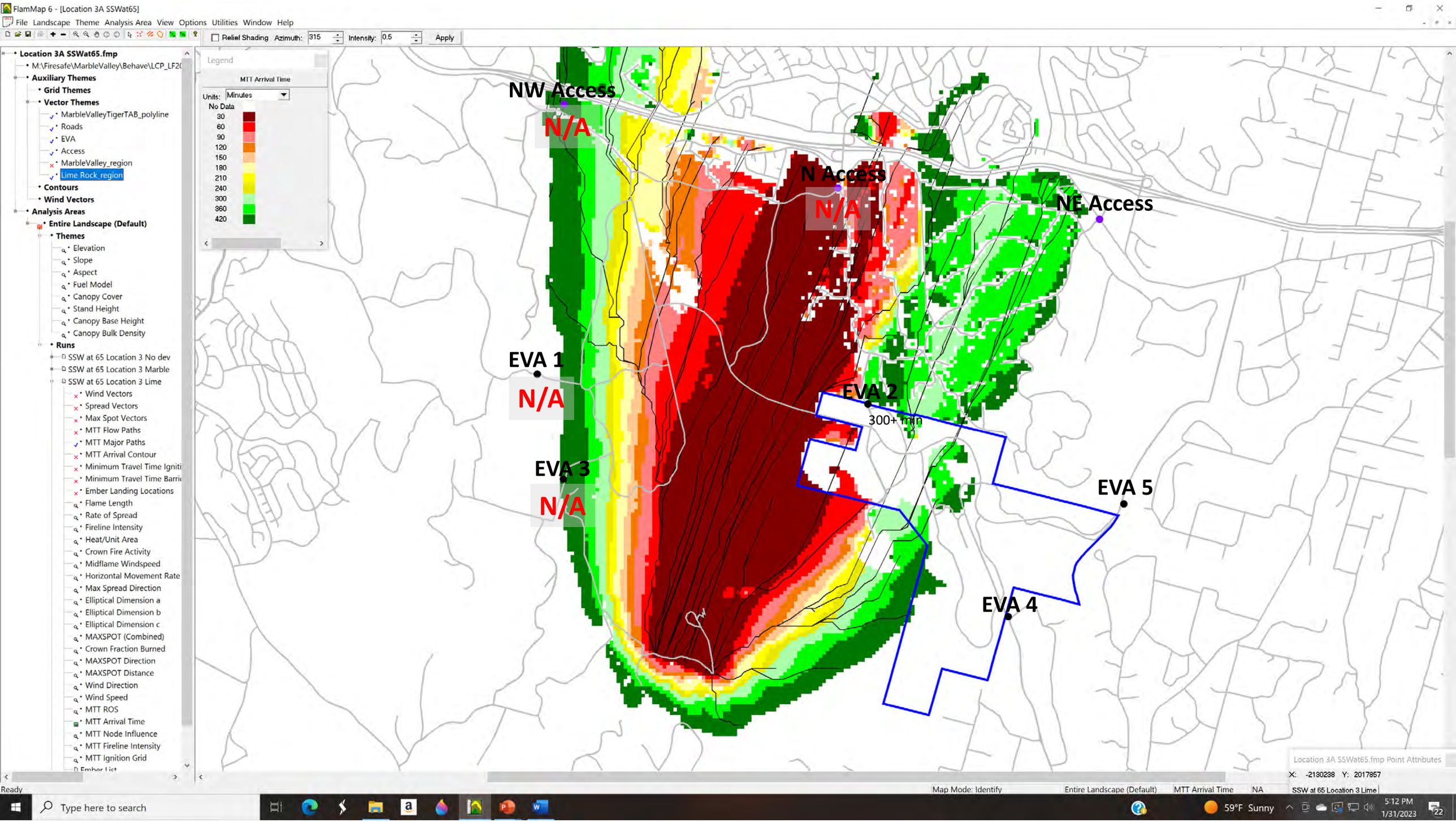
Location 3 SSW wind at 65 mph No Dev Scn 3E



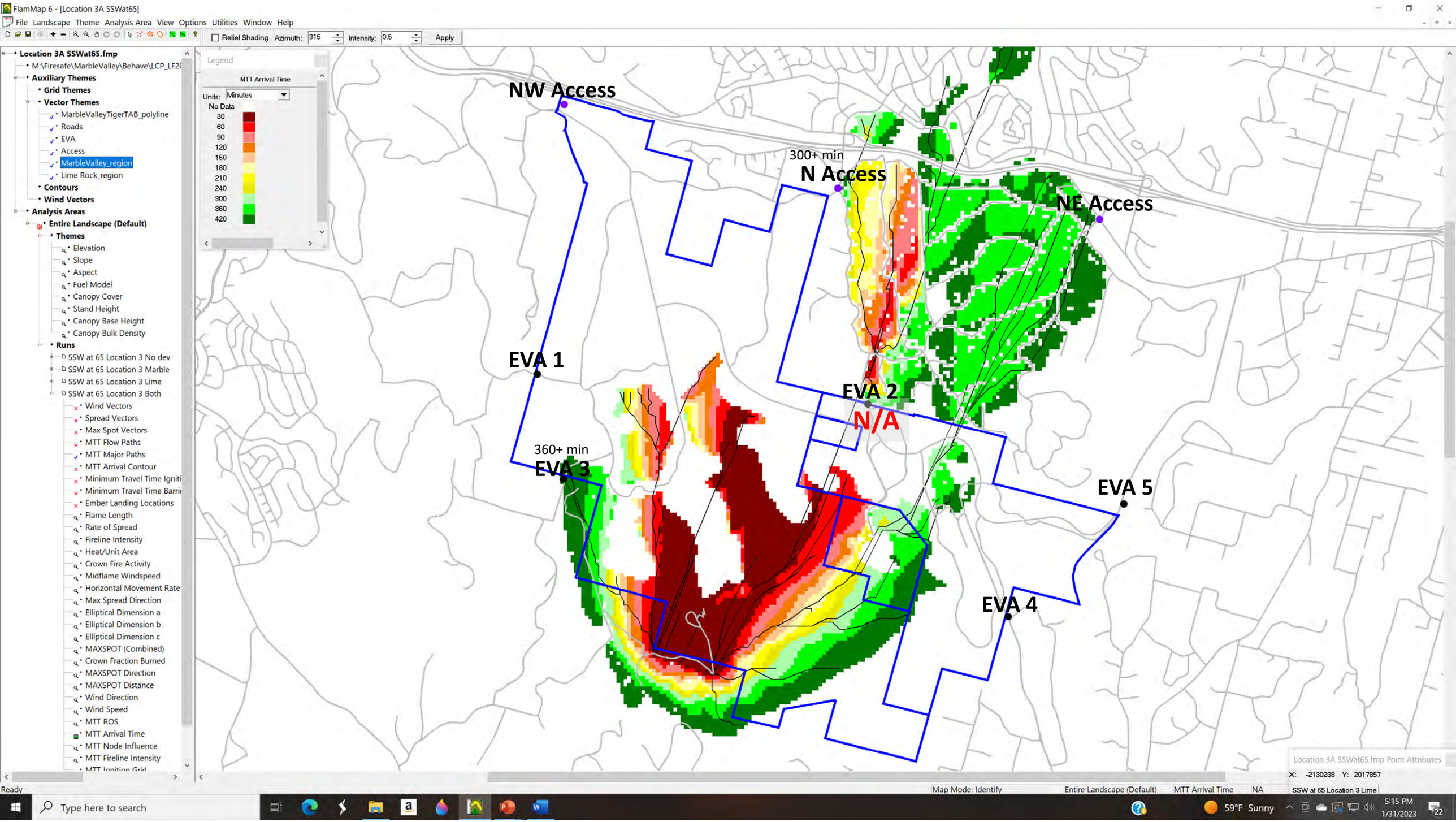
Location 3 SSW wind at 65 mph Marble – Scn 3F



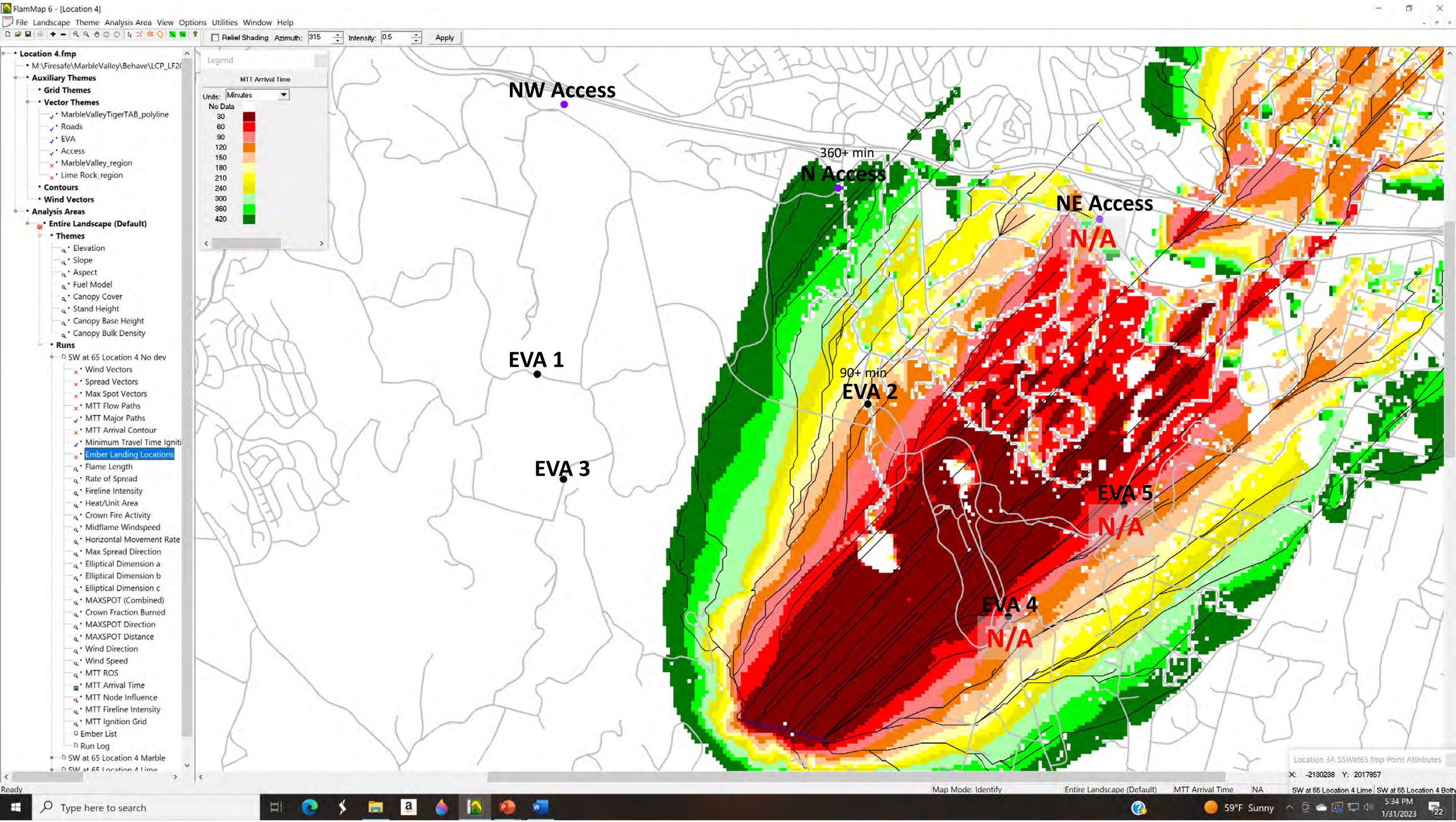
Location 3 SSW wind at 65 mph Lime – Scn 3G



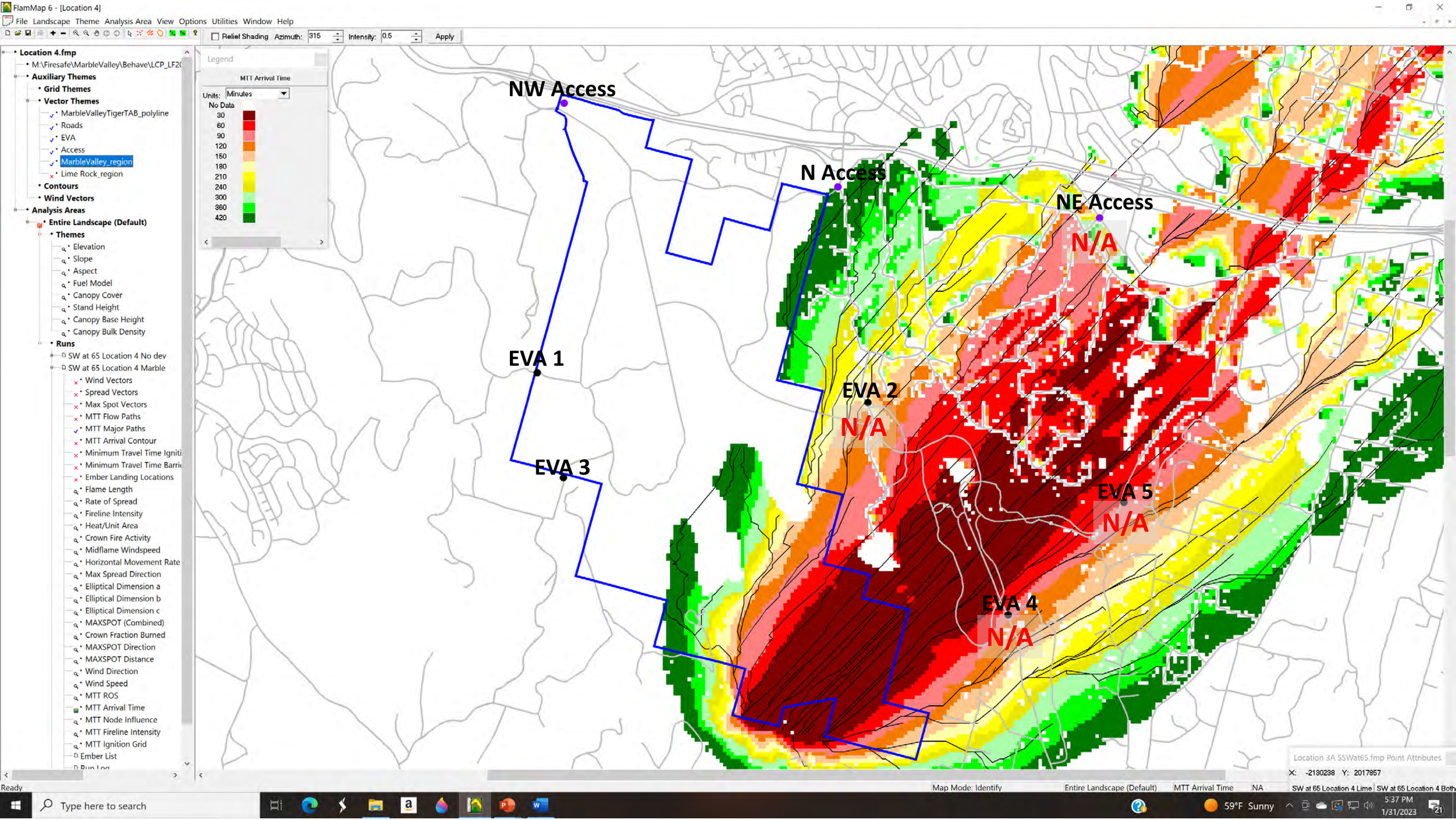
Location 3 SSW wind at 65 mph Both – Scn 3H



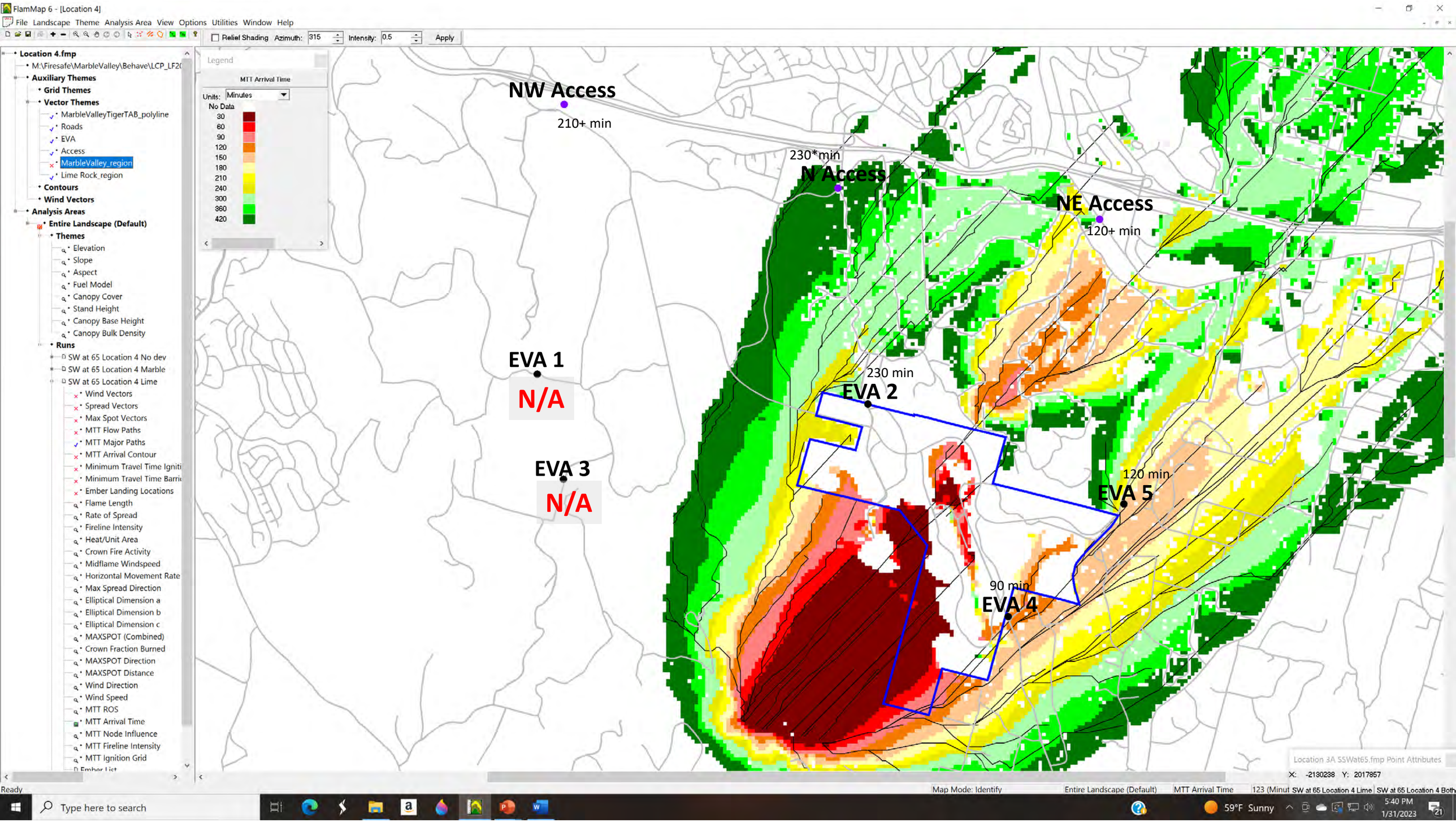
Location 4 SW wind at 65 mph No Dev – Scn 4A



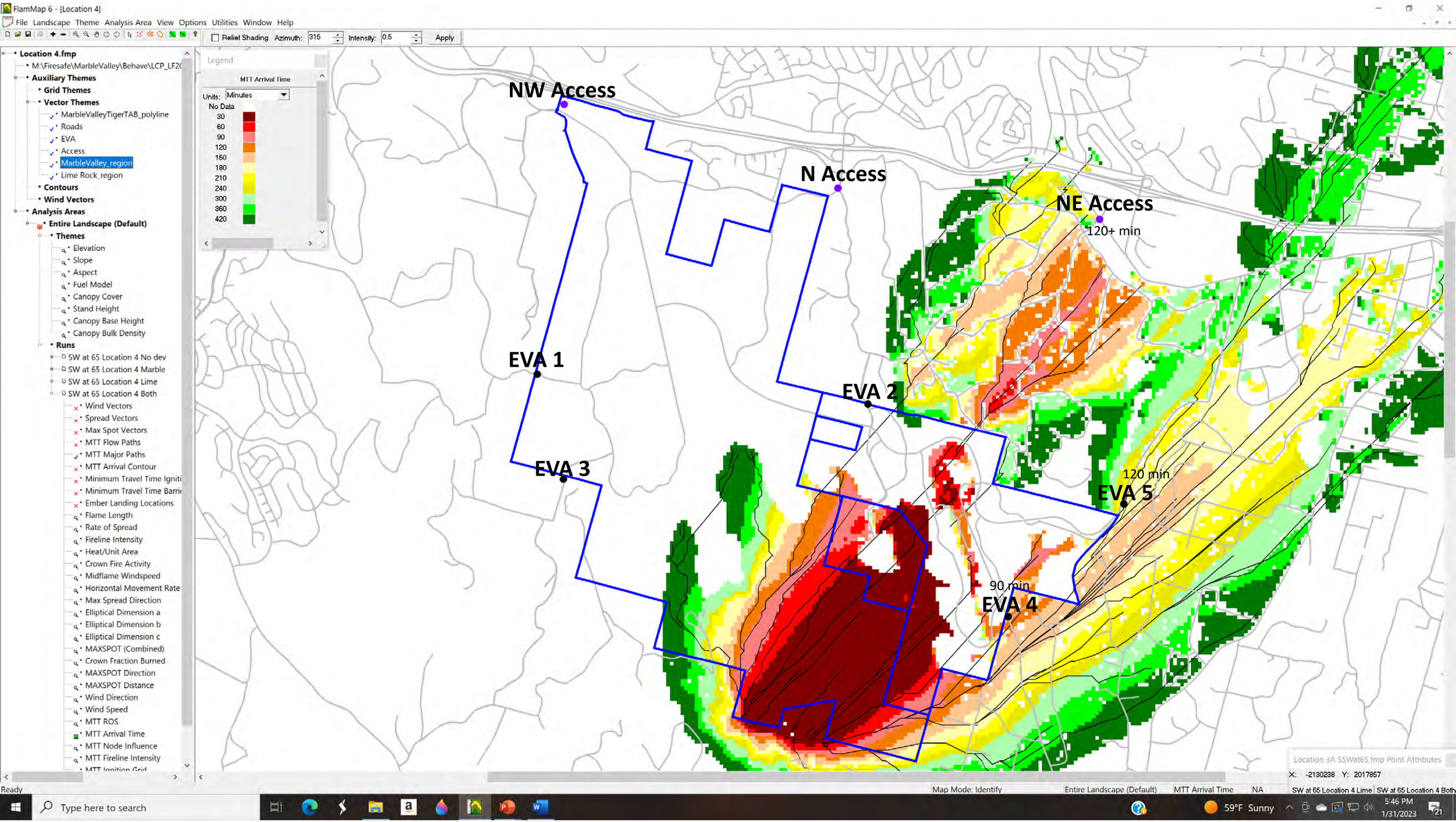
Location 4 SW wind at 65 mph Marble – Scn 4B



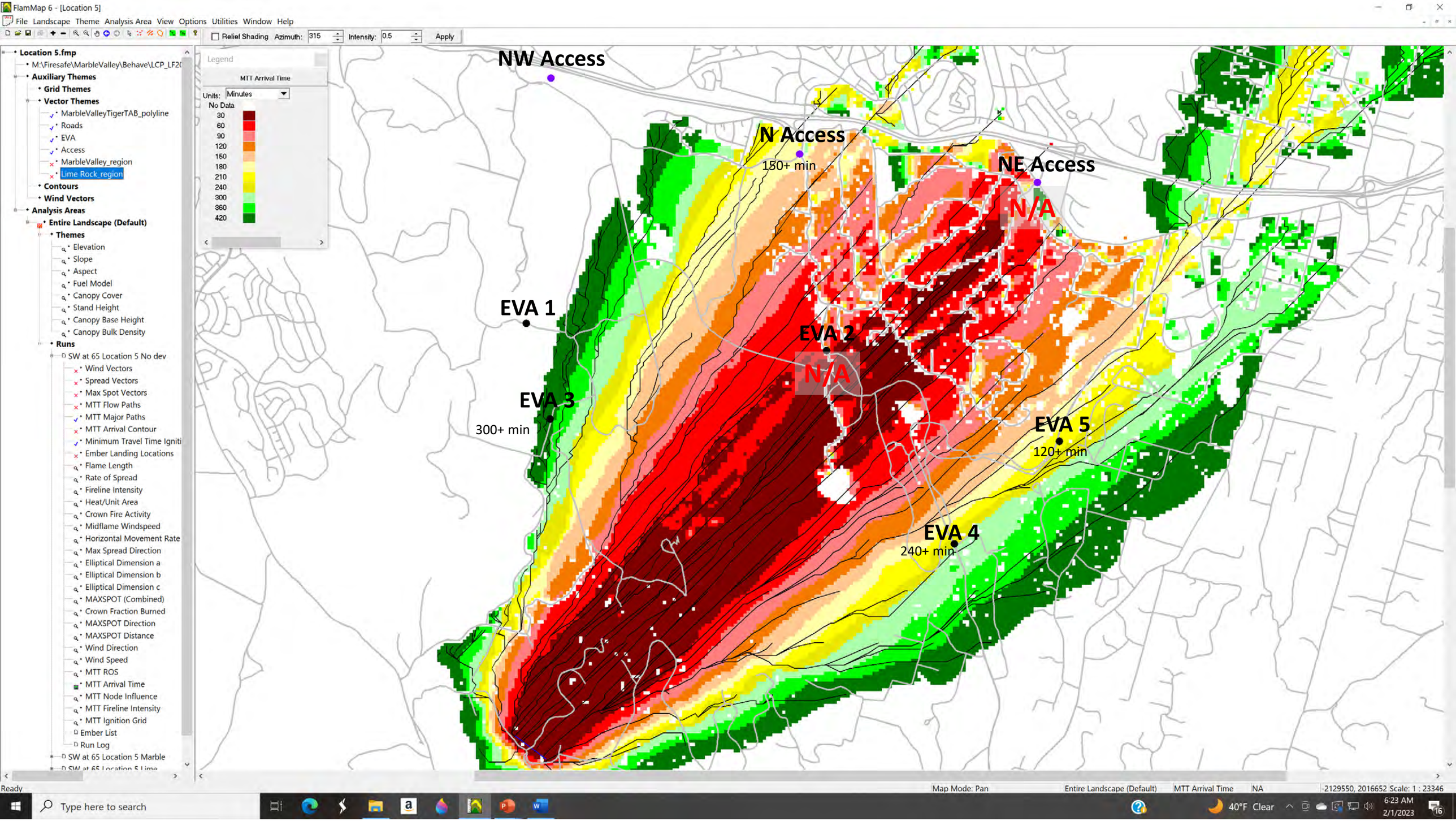
Location 4 SW wind at 65 mph Lime – Scn 4C



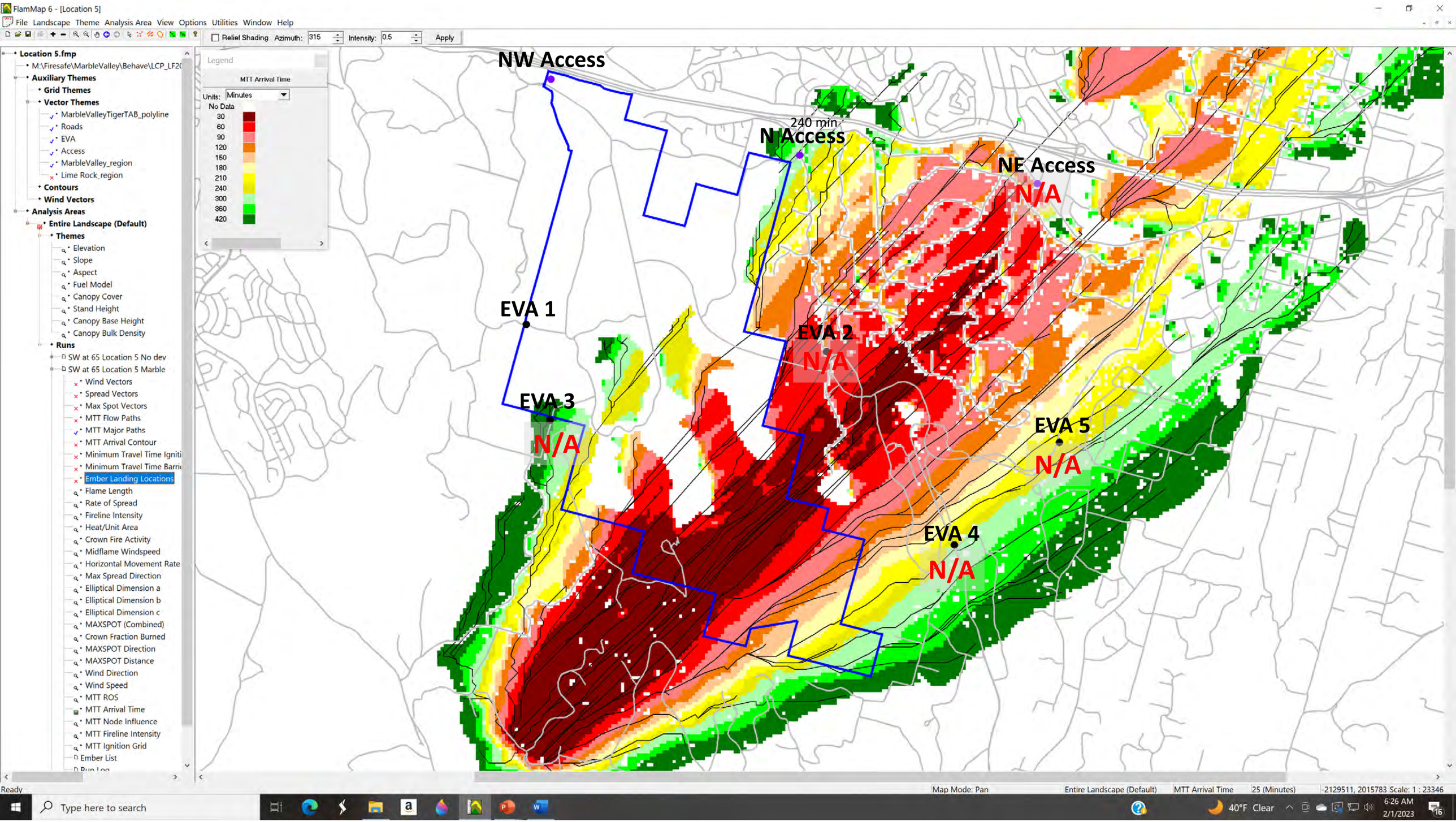
Location 4 SW wind at 65 mph Both – Scn 4D



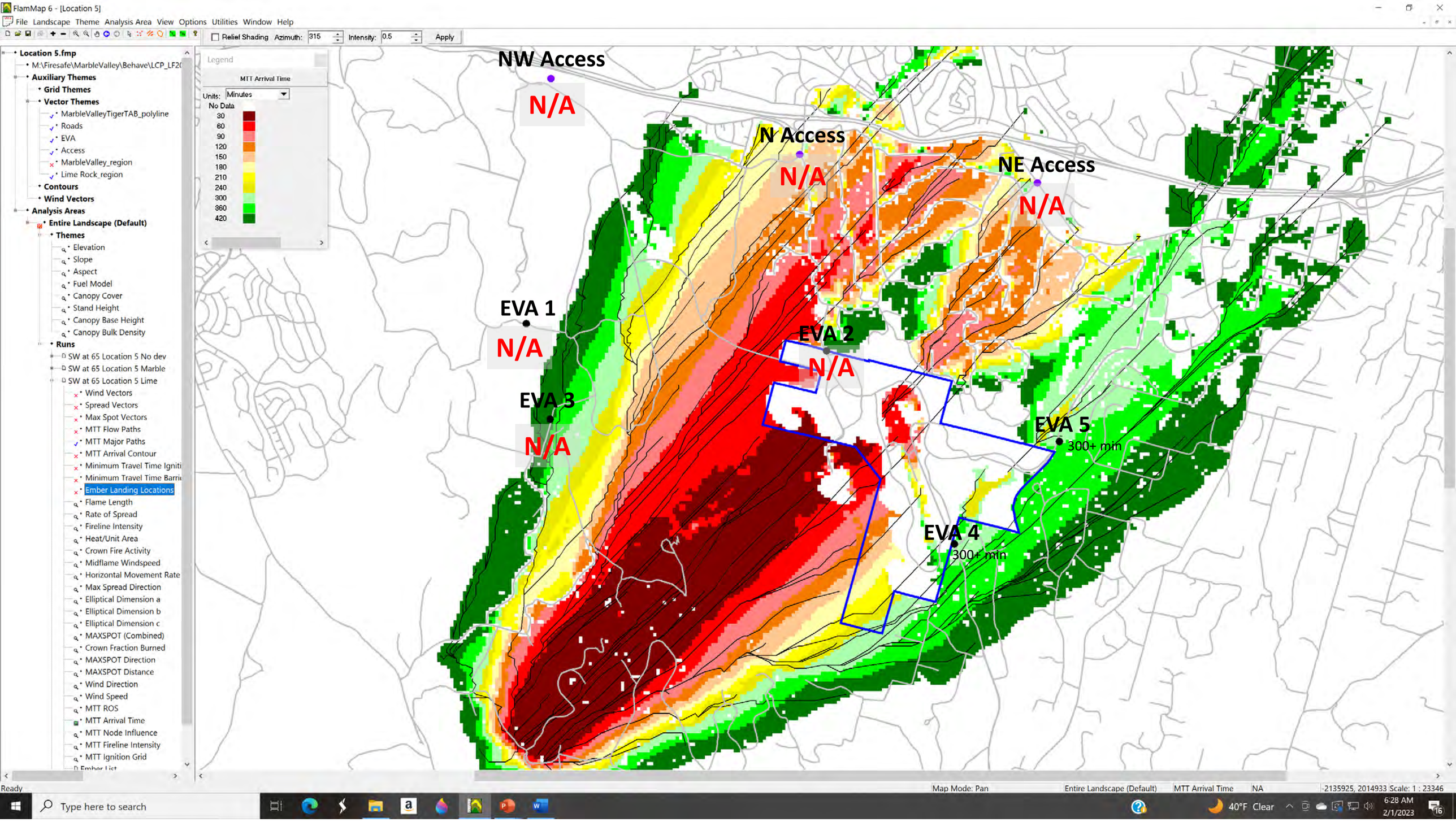
Location 5 SW wind at 65 mph No Dev – Scn 5A



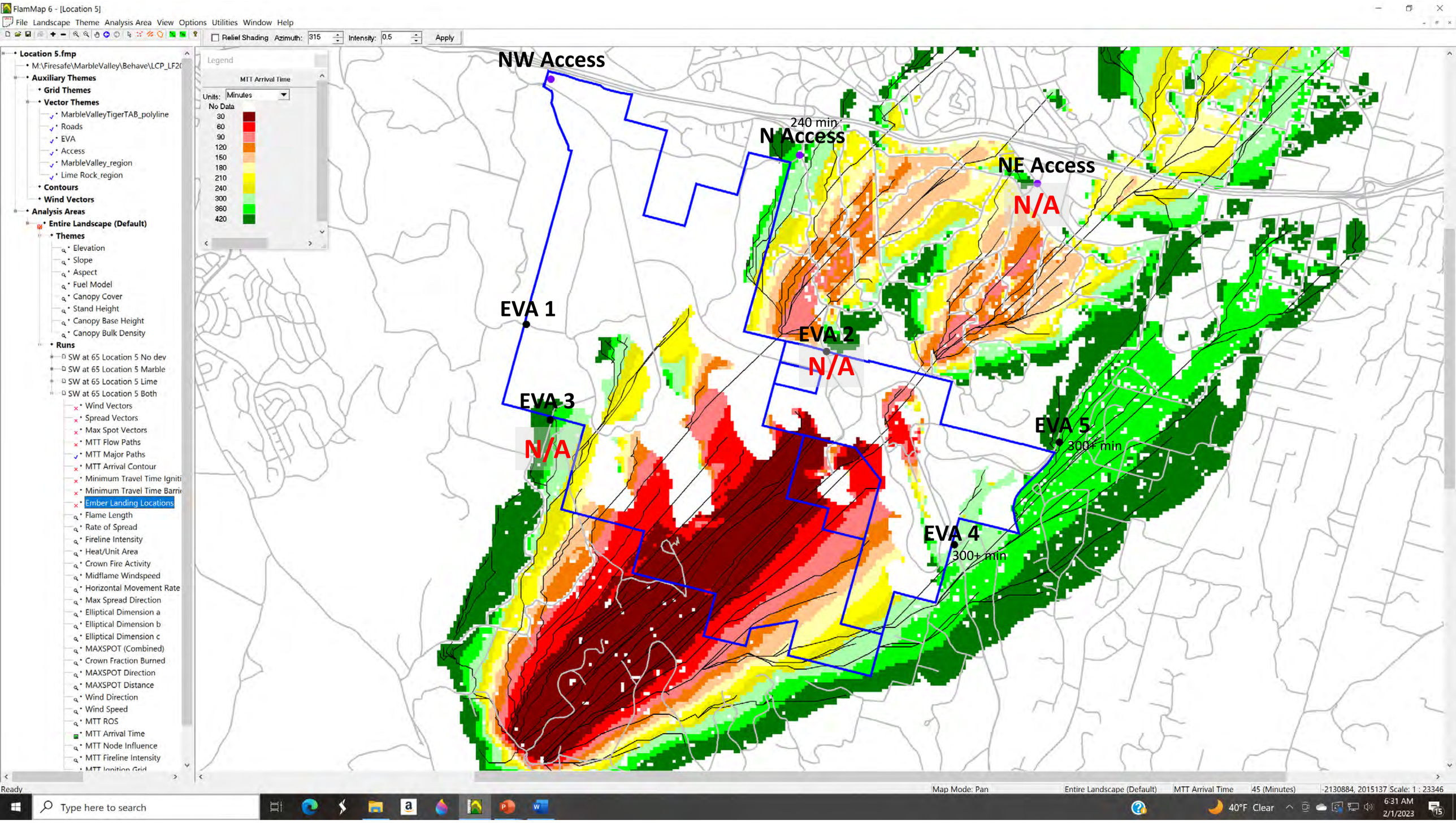
Location 5 SW wind at 65 mph Marble – Scn 5B



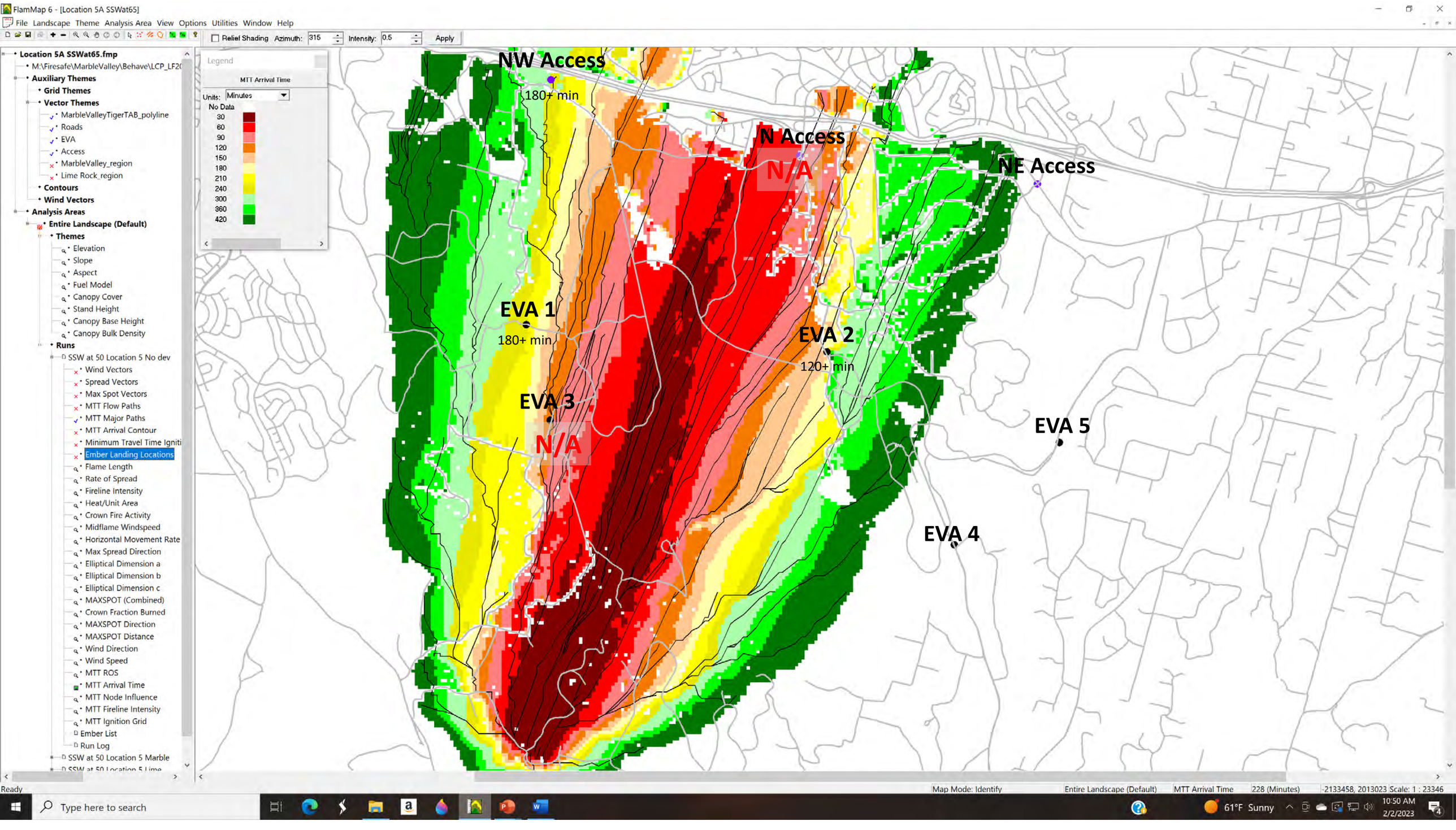
Location 5 SW wind at 65 mph Lime – Scn 5C



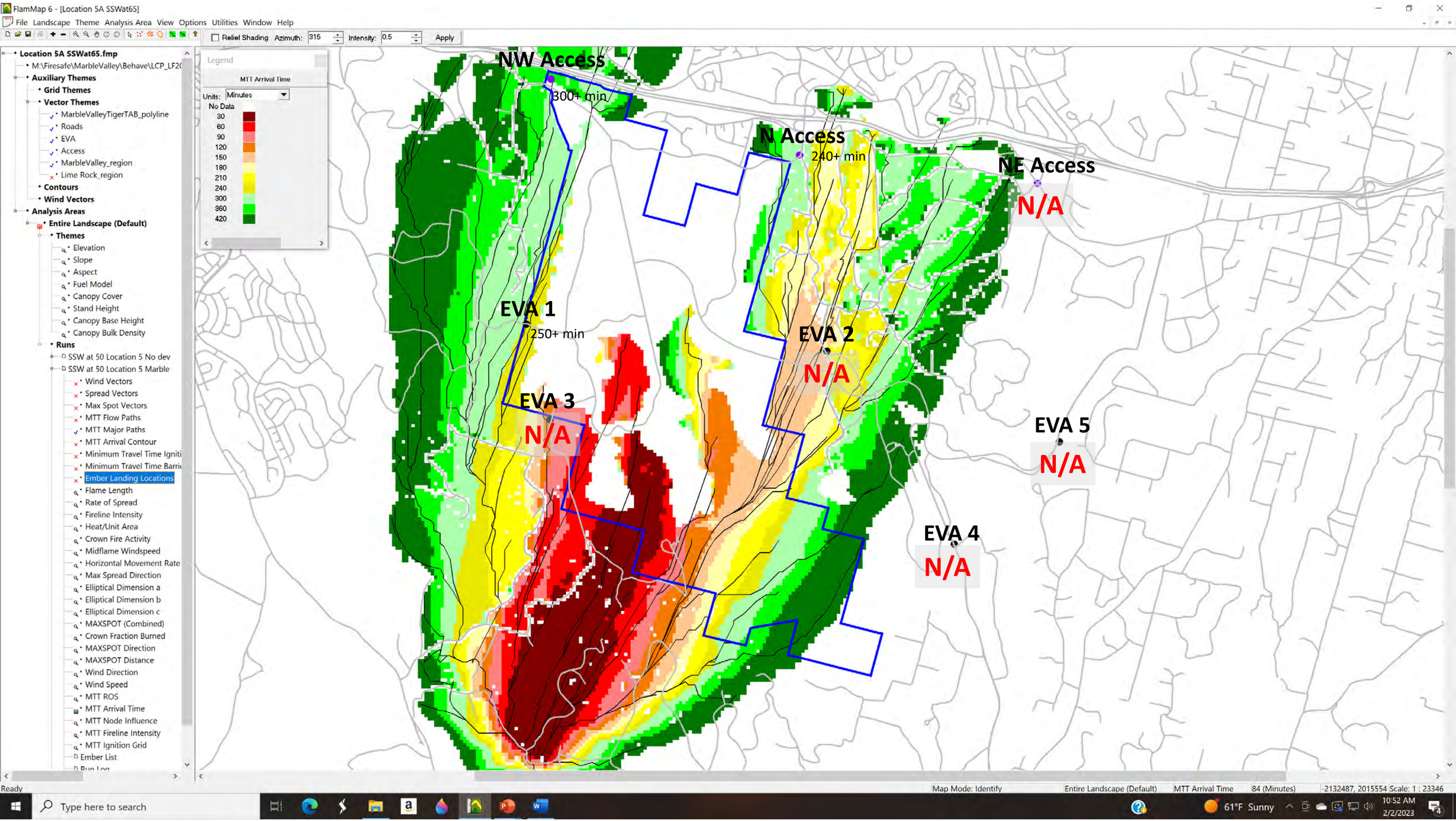
Location 5 SW wind at 65 mph Both – Scn 5D



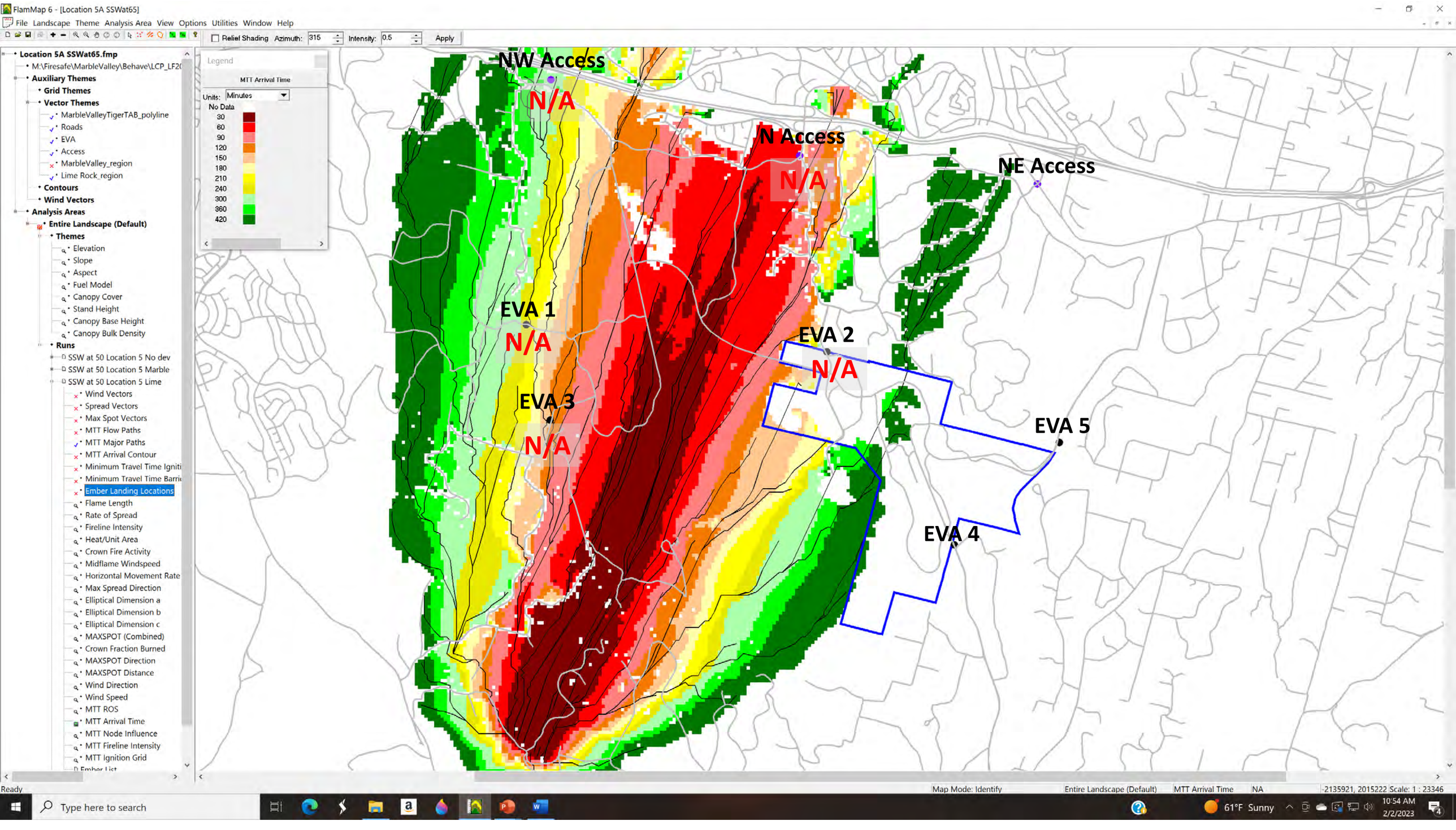
Location 5 SSW wind at 50 mph No Dev – Scn 5E



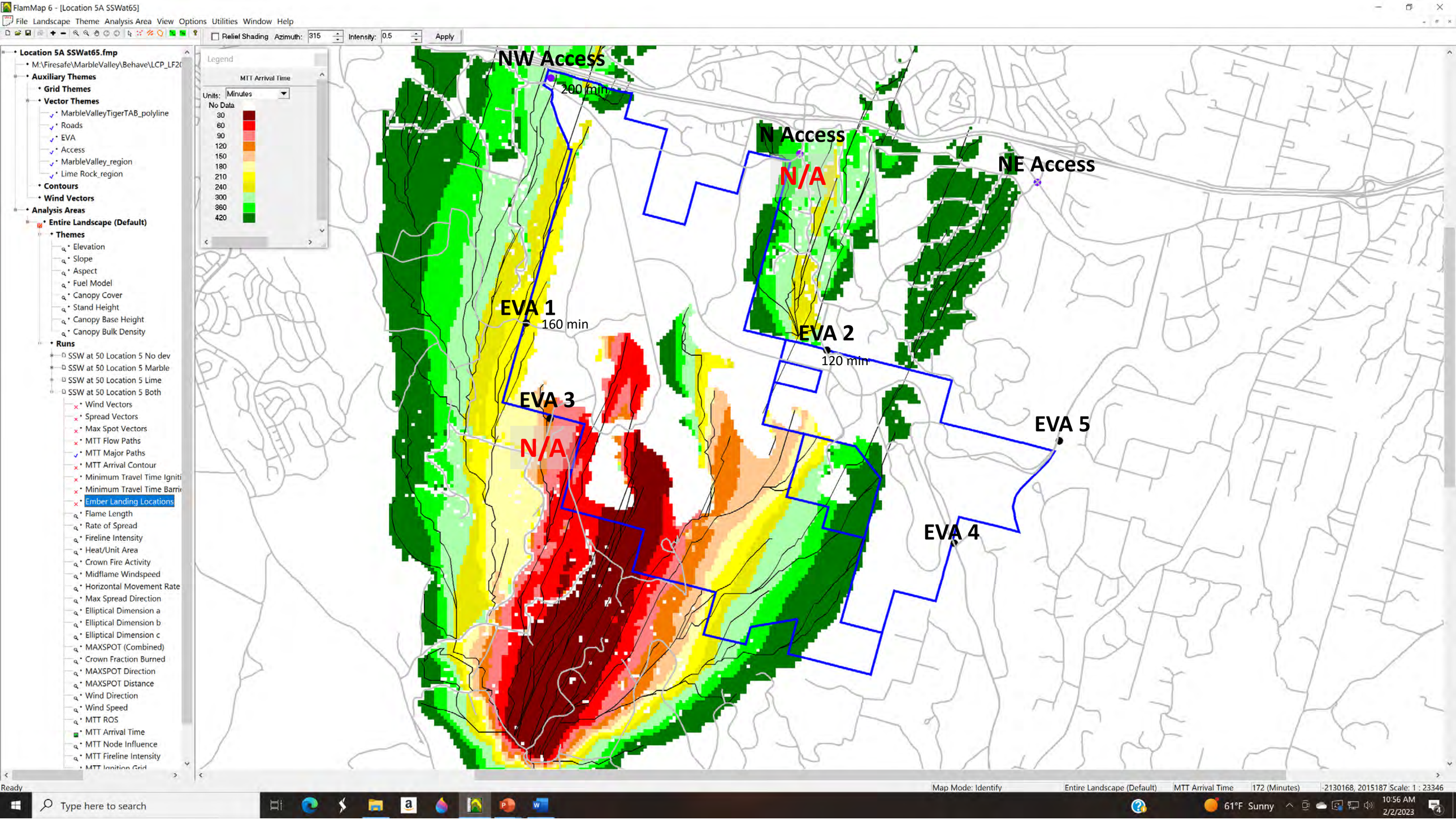
Location 5 SSW wind at 50 mph Marble – Scn 5F



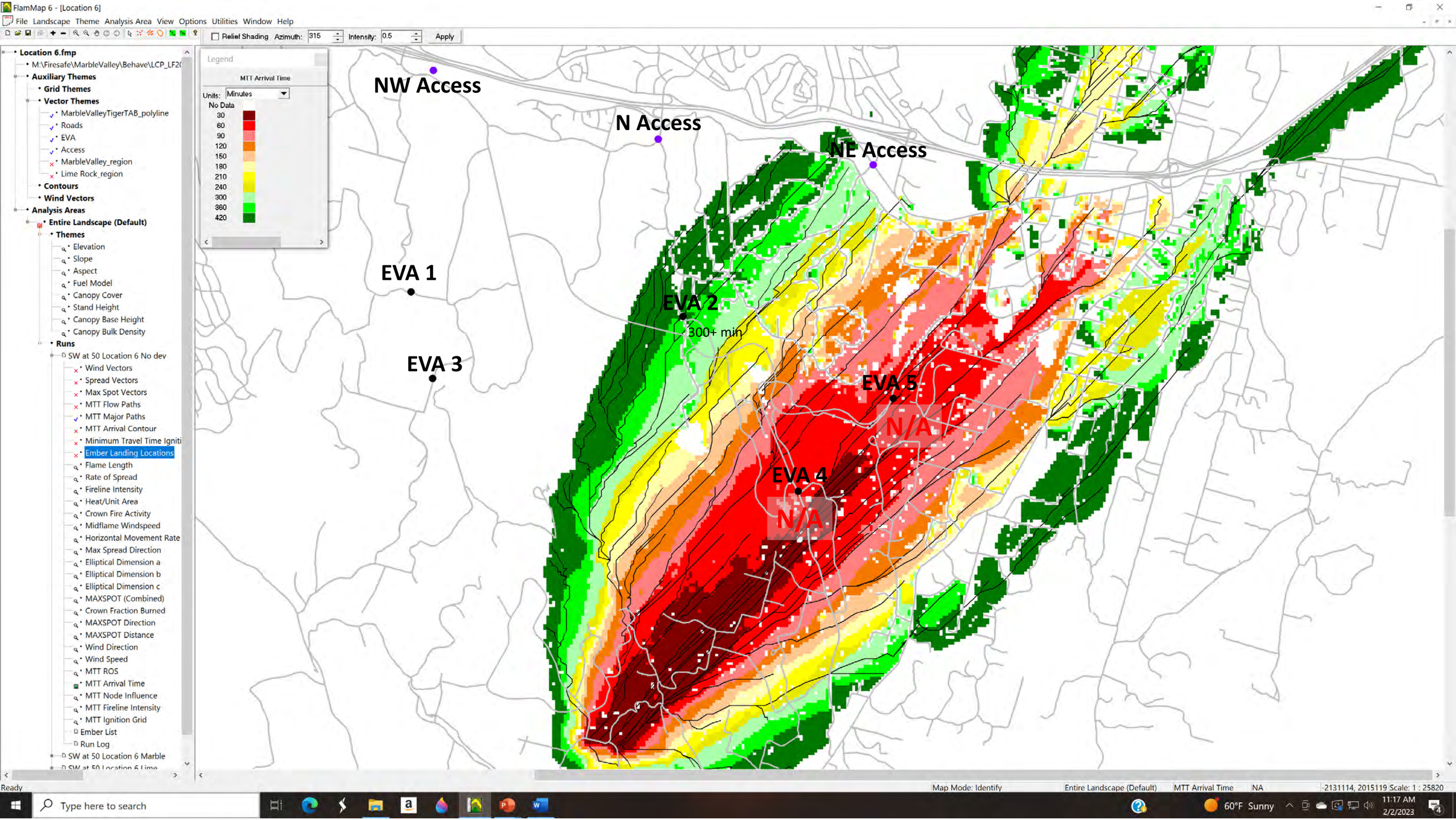
Location 5 SSW wind at 50 mph Lime – Scn 5G



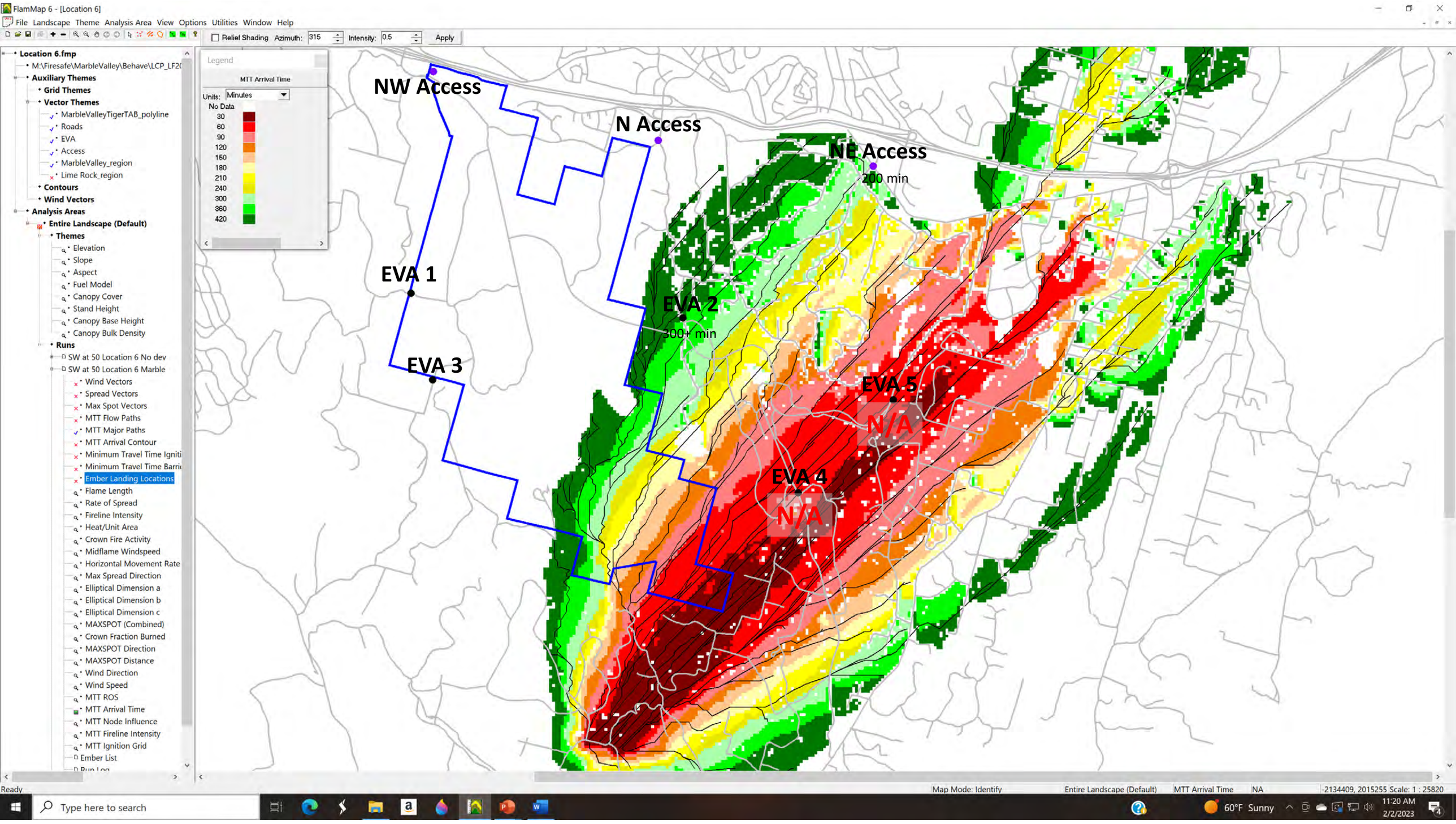
Location 5 SSW wind at 50 mph Both – Scn 5H



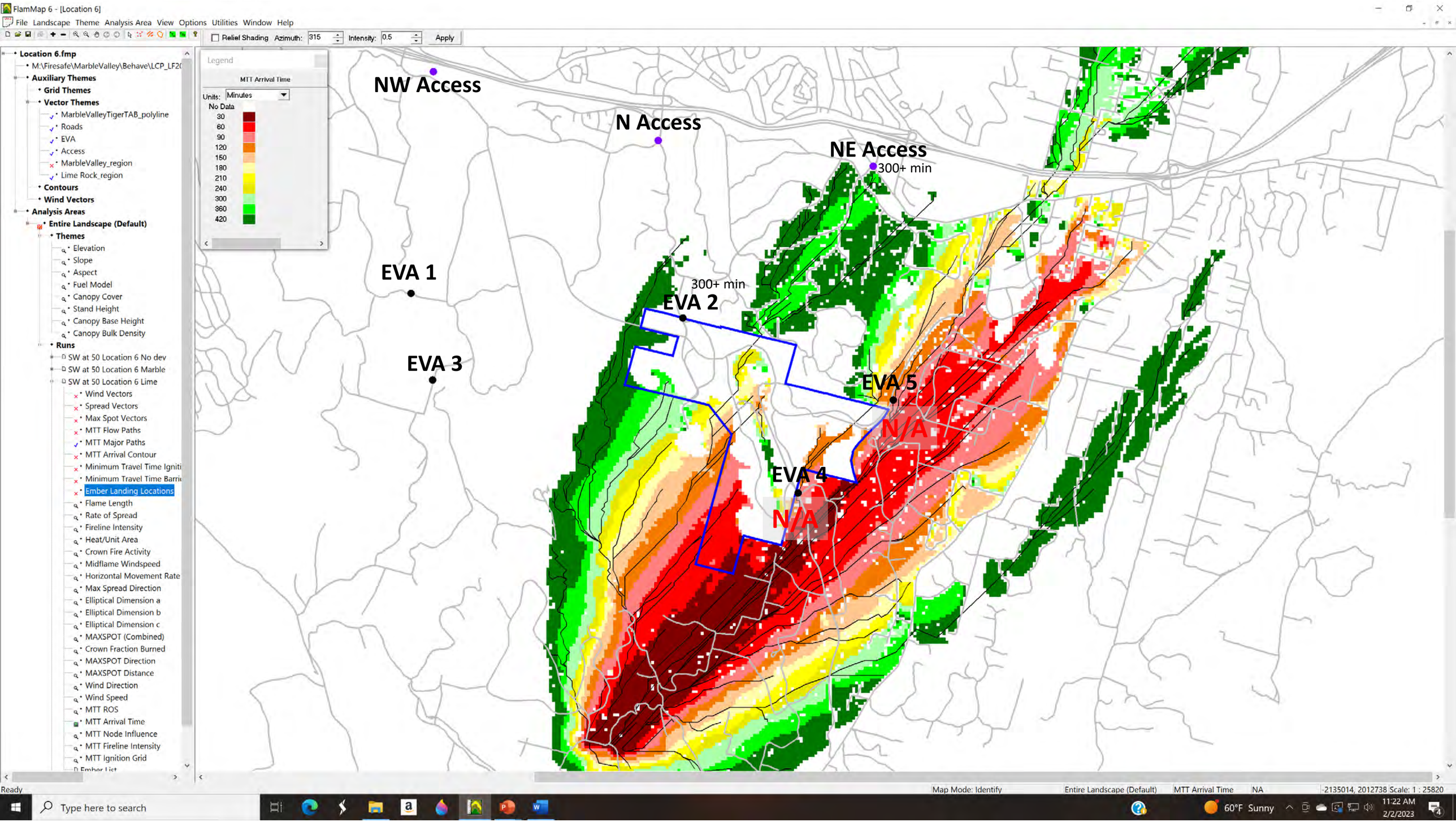
Location 6 SW wind at 50 mph No Dev – Scn 6A



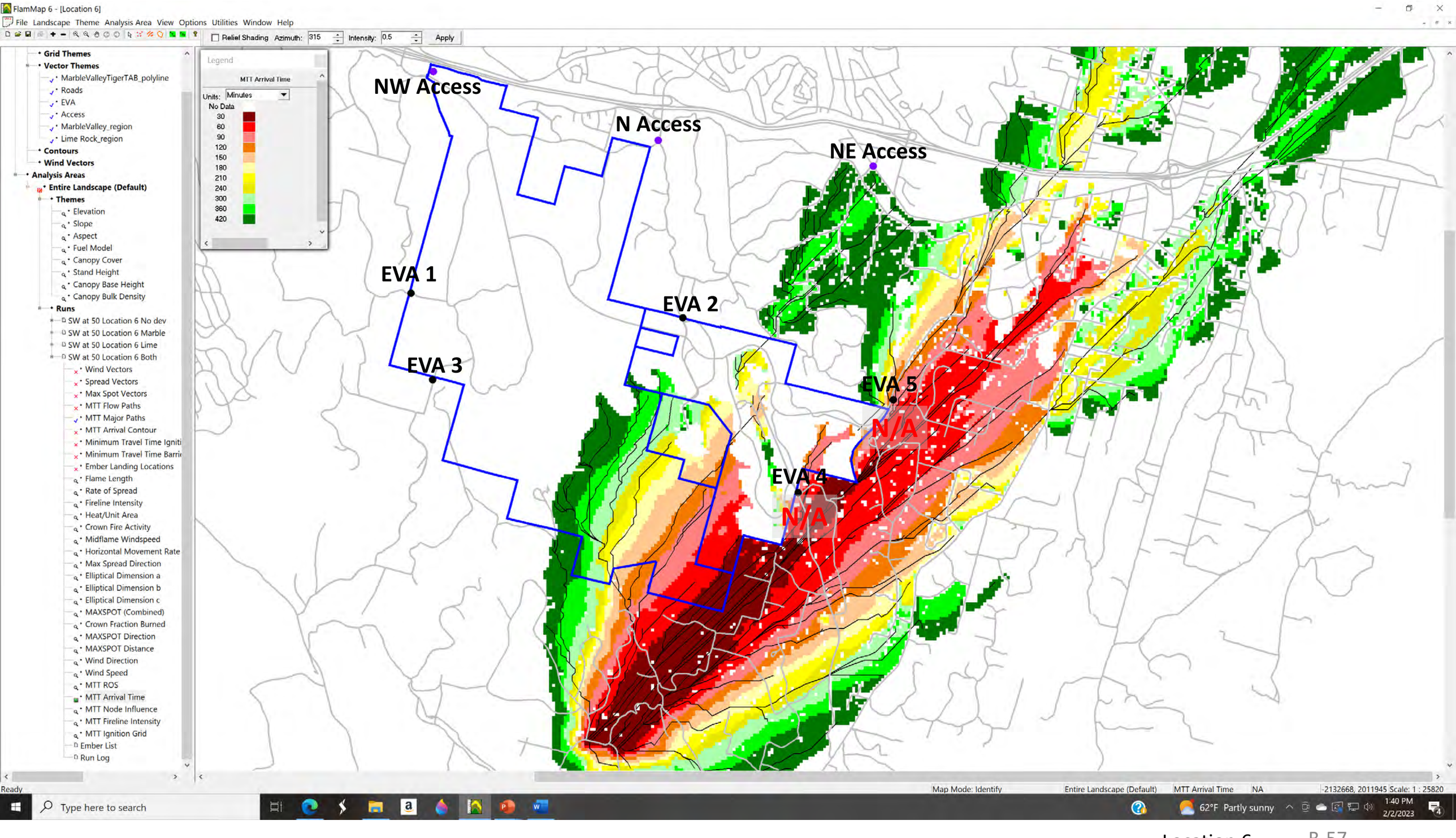
Location 6 SW wind at 50 mph Marble – Scn 6B



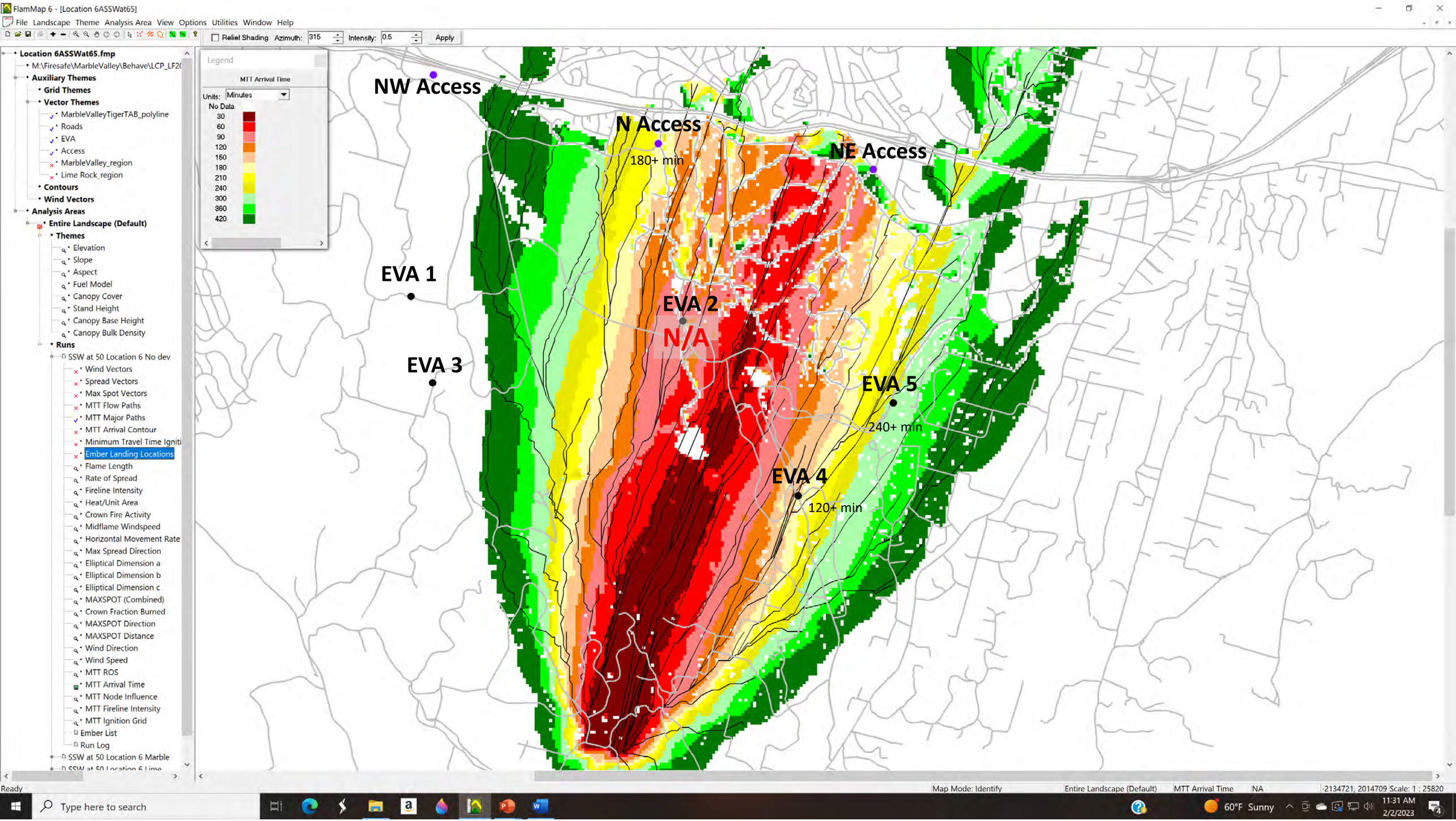
Location 6 SW wind at 50 mph Lime – Scn 6C



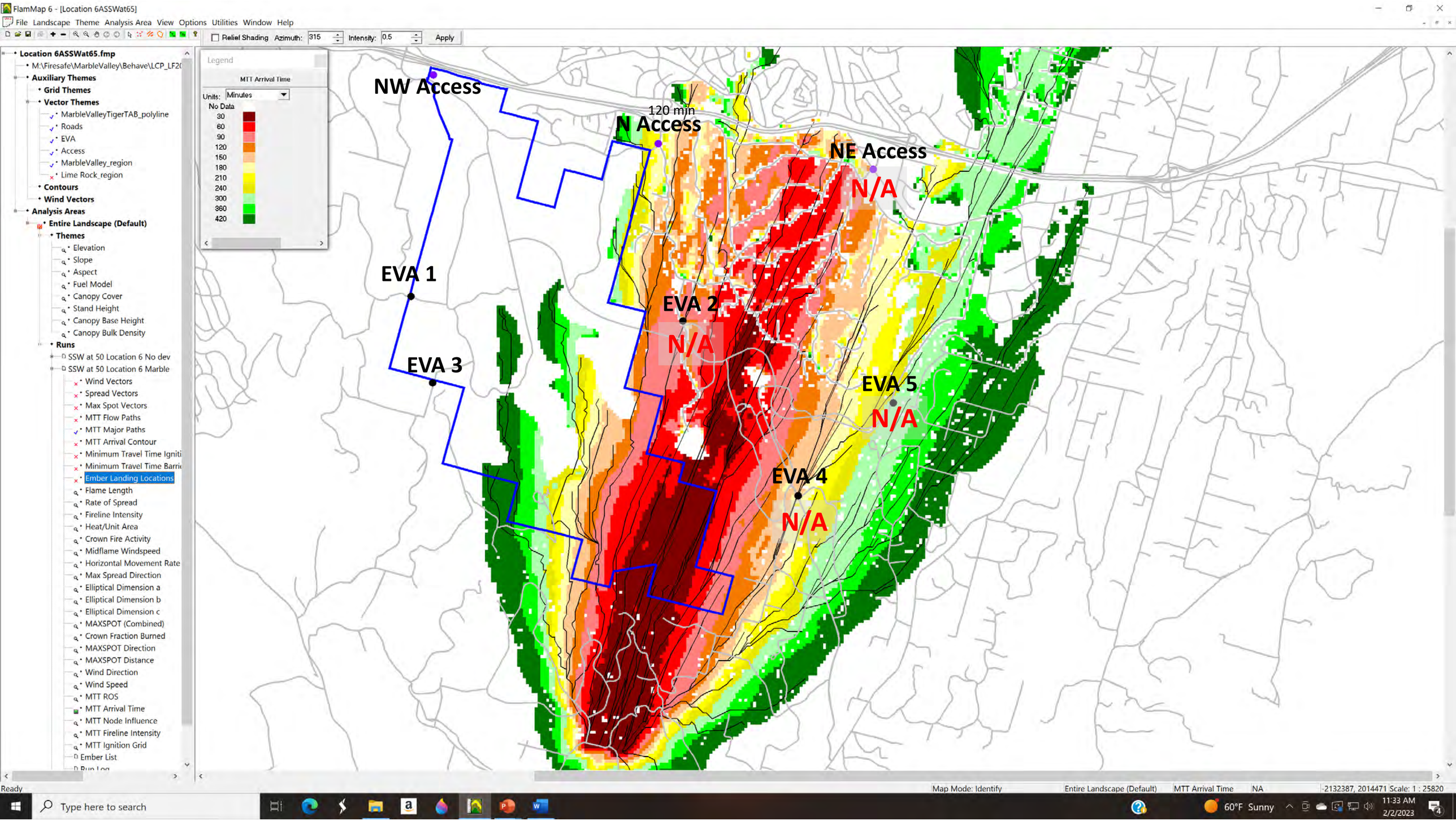
Location 6 SW wind at 50 mph Both – Scn 6D



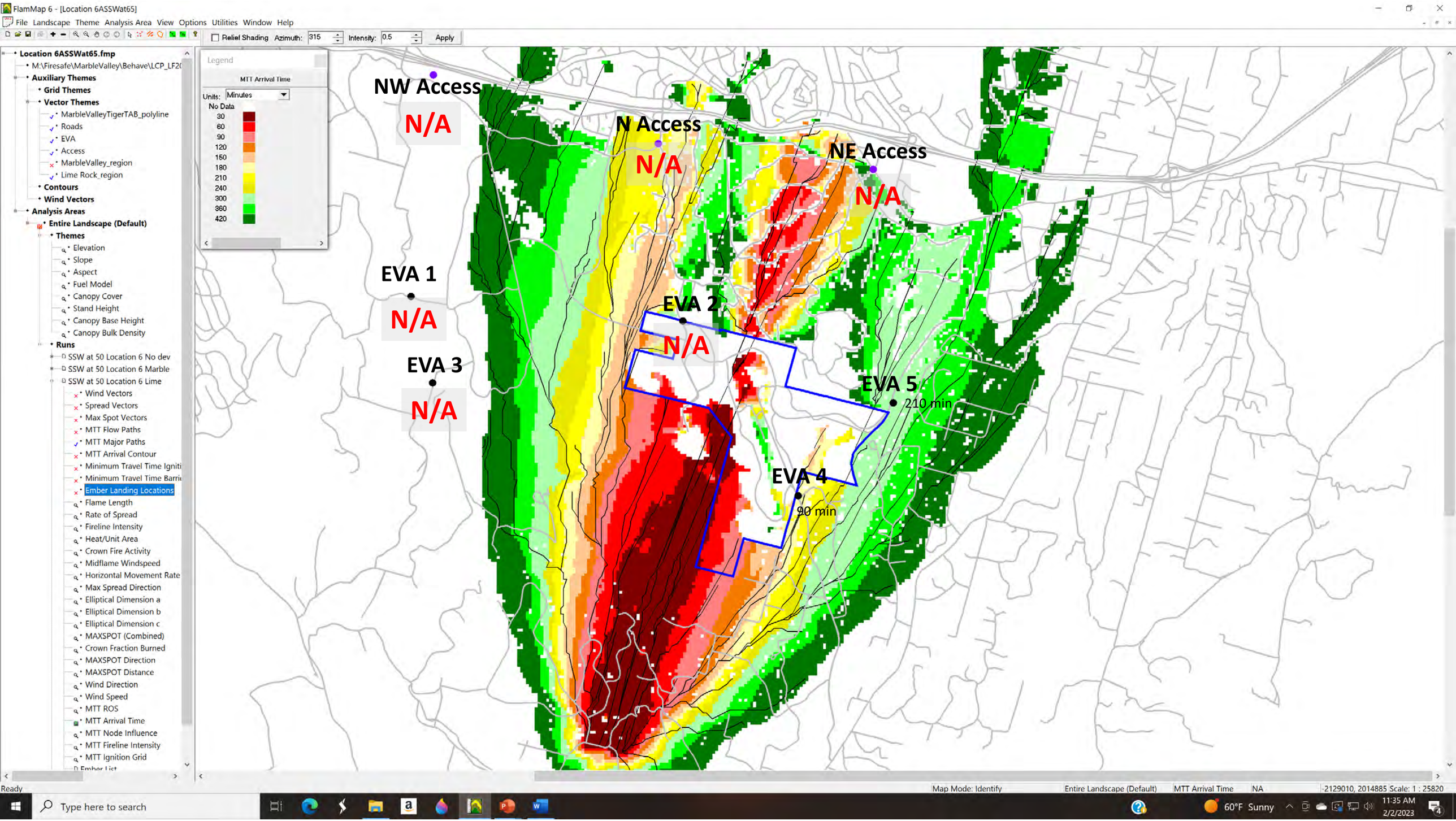
Location 6 SSW wind at 50 mph No Dev – Scn 6E



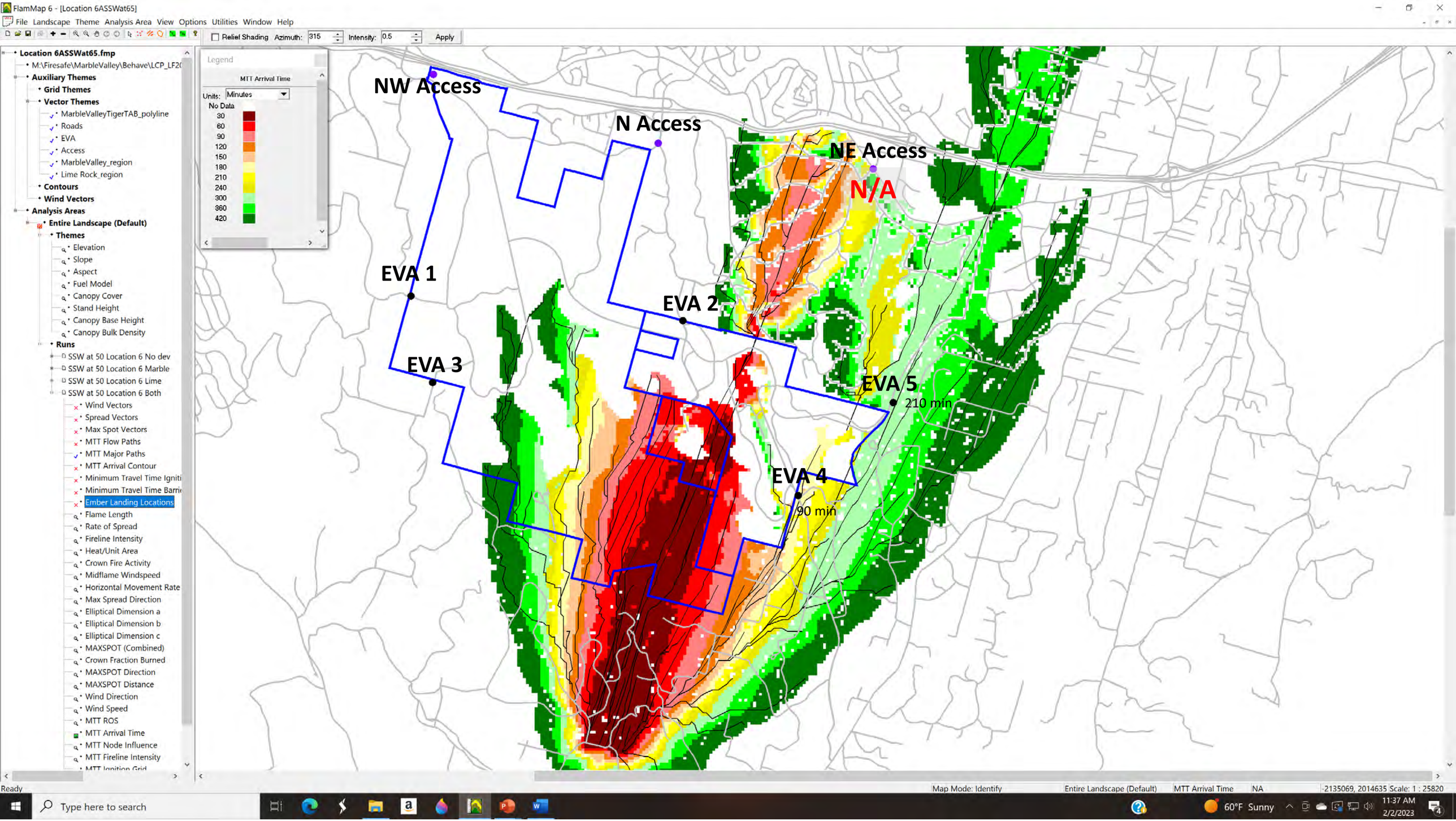
Location 6 SSW wind at 50 mph Marble – Scn 6F



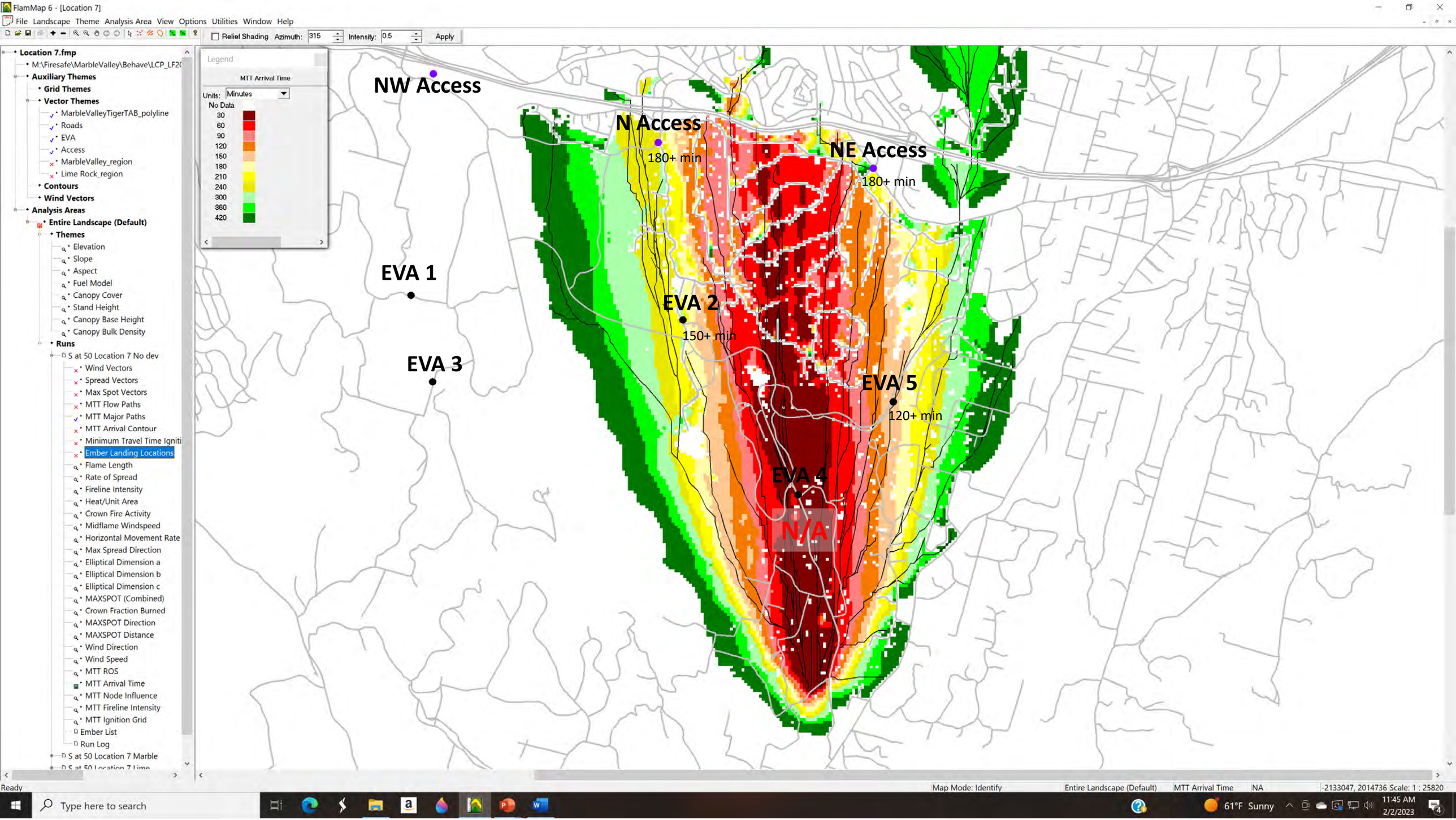
Location 6 SSW wind at 50 mph Lime – Scn 6G



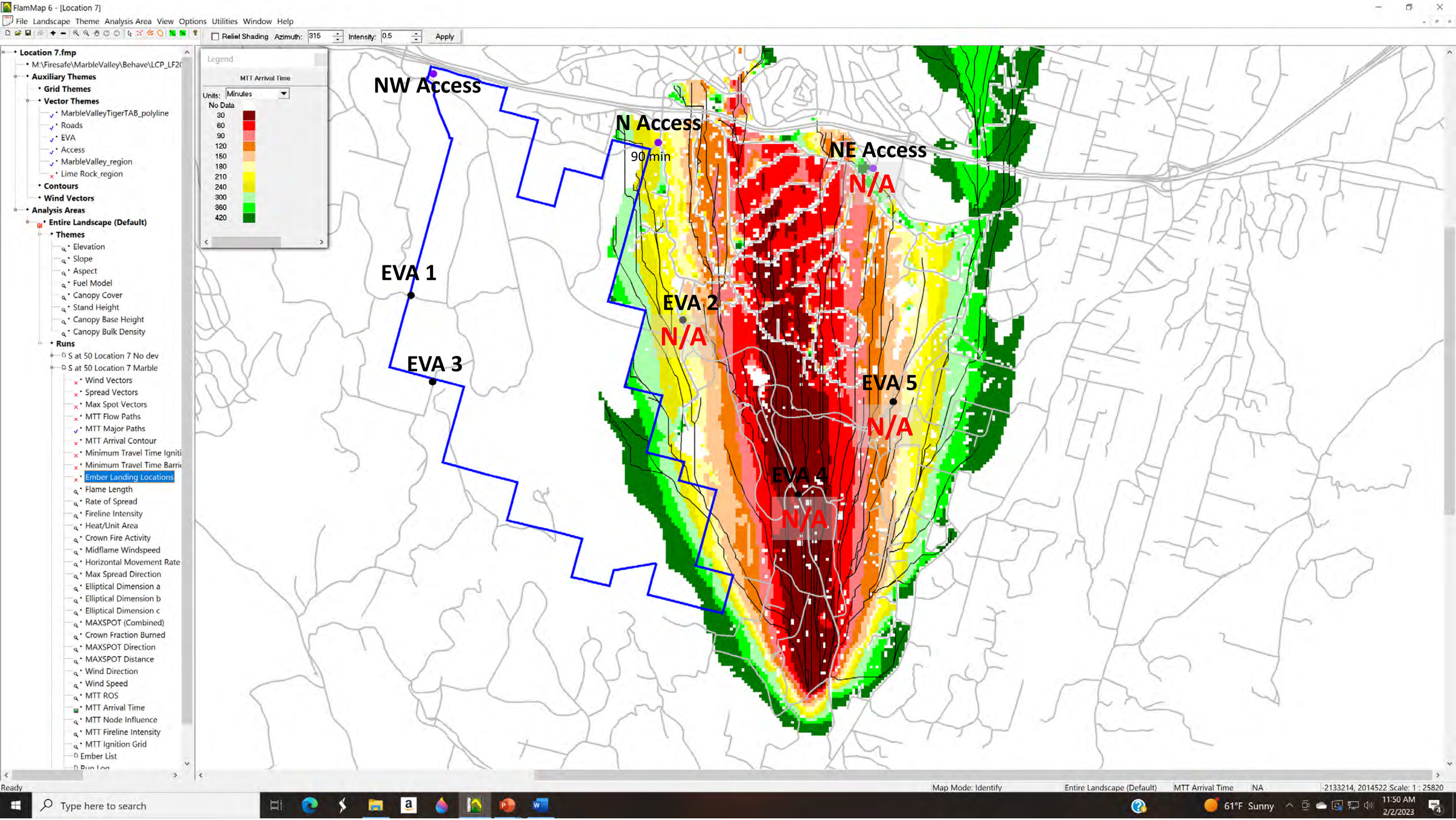
Location 6 SSW wind at 65 mph Both – Scn 6H



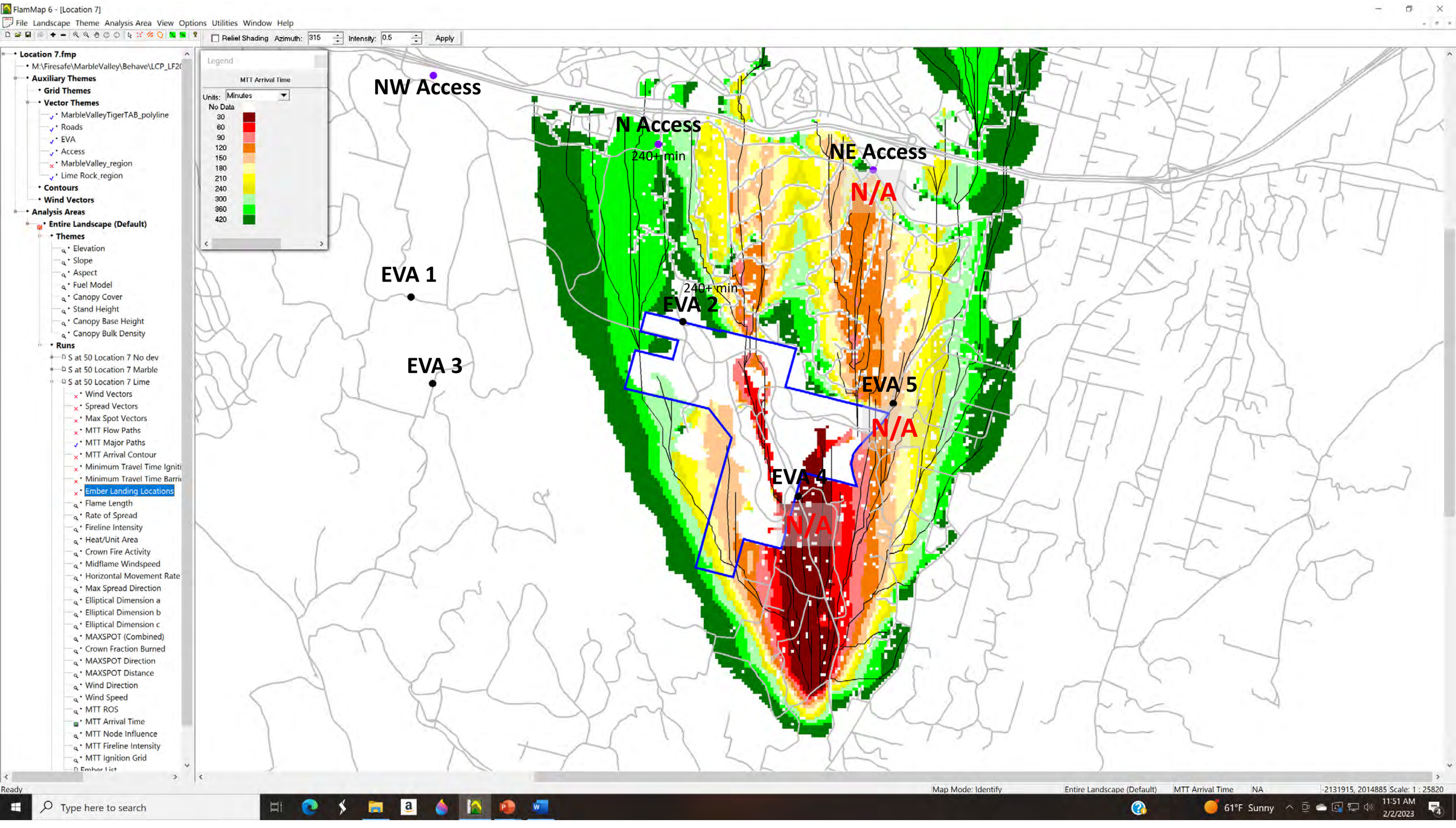
Location 7 S wind at 50 mph No Dev – Scn 7A



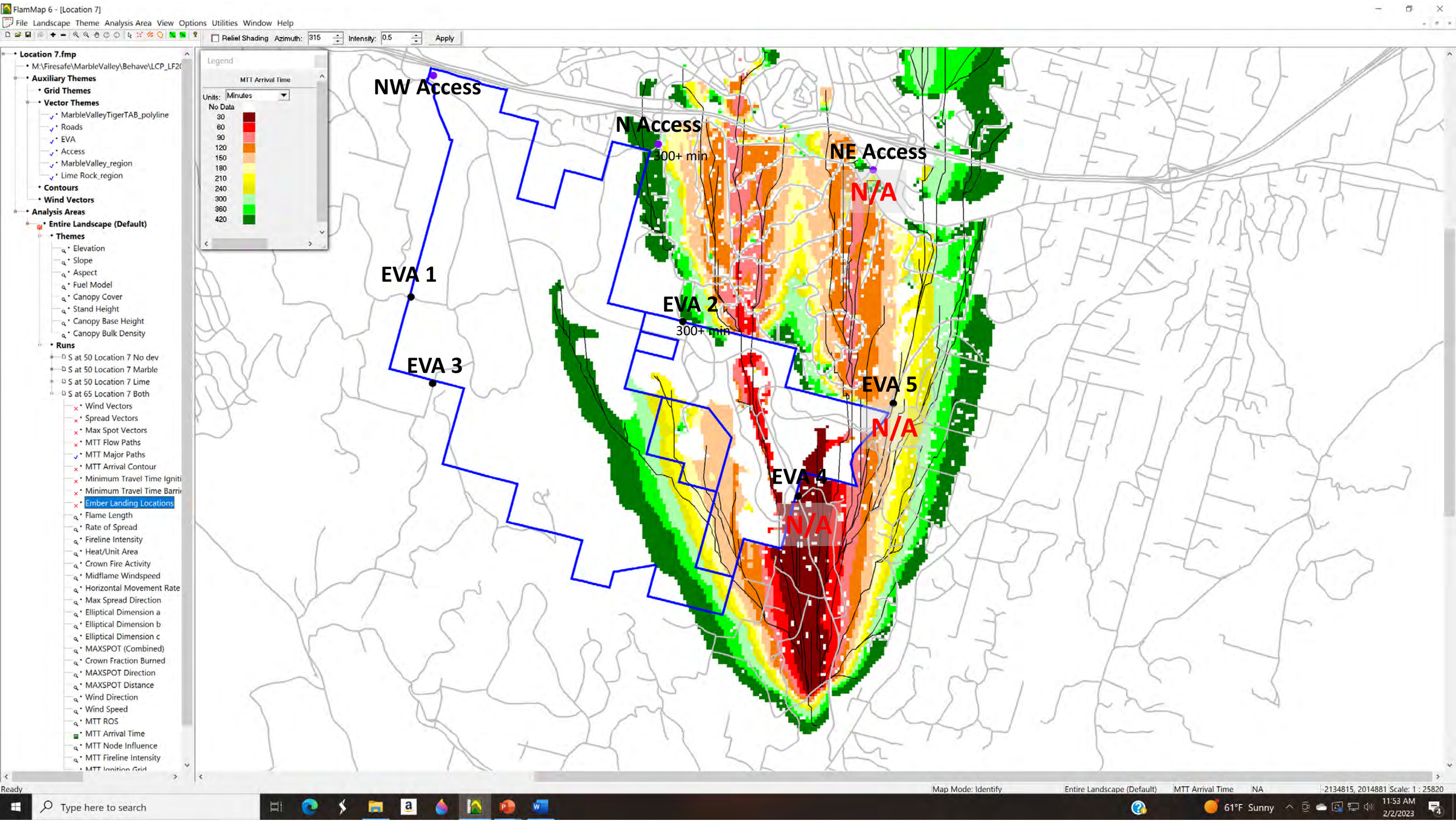
Location 7 S wind at 50 mph Marble – Scn 7B



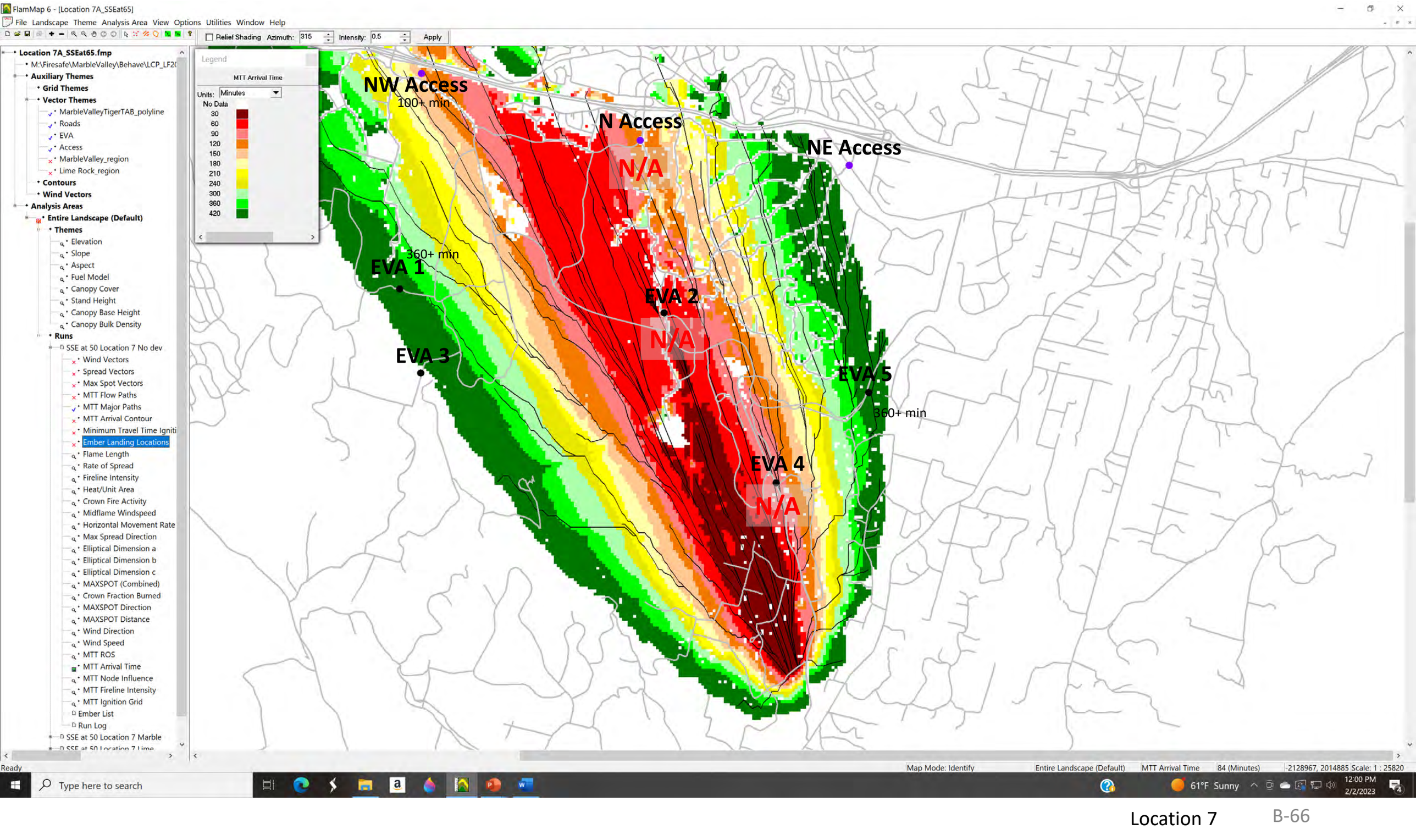
Location 7 S wind at 50 mph Lime – Scn 7C



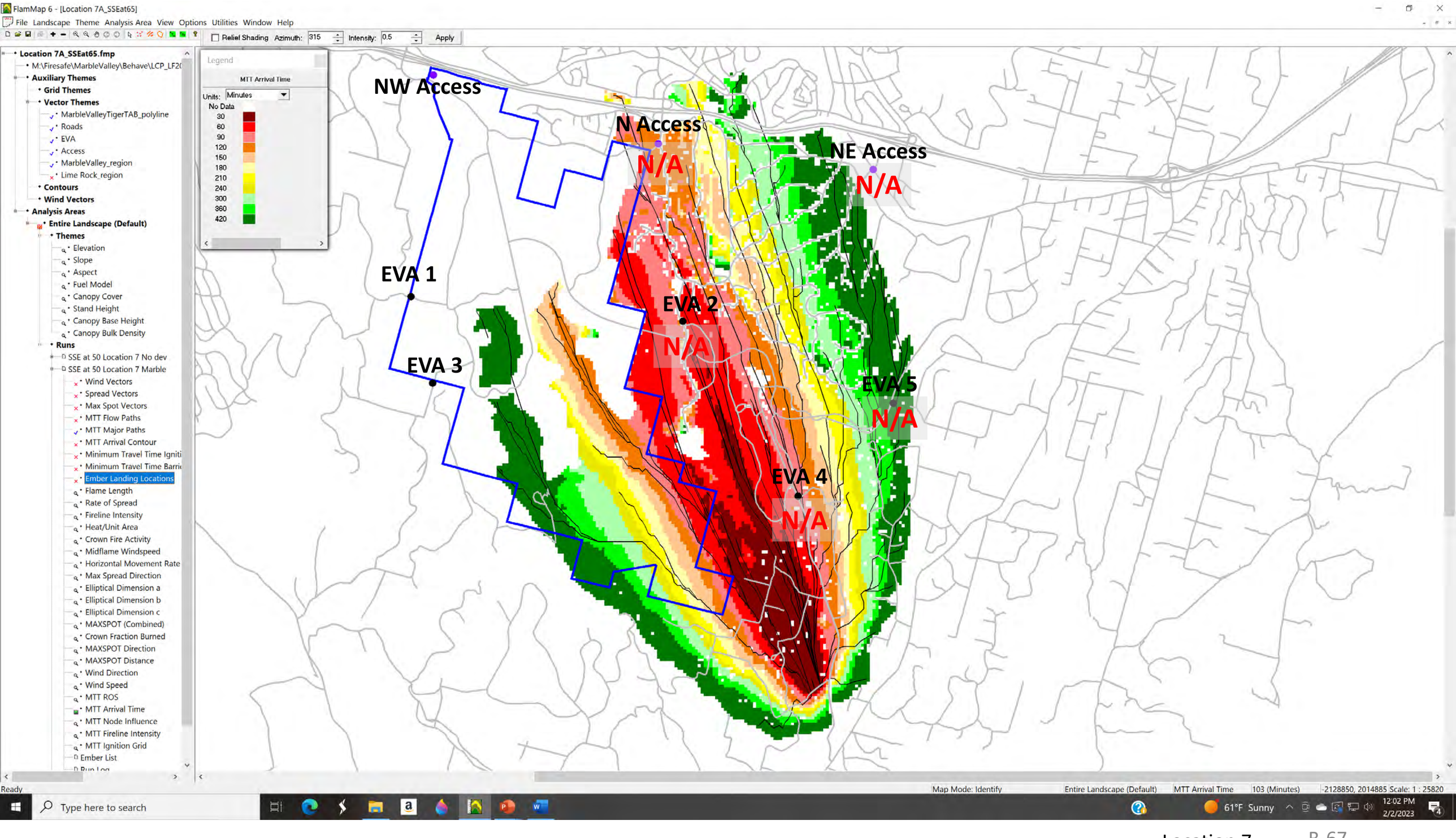
Location 7 S wind at 50 mph Both – Scn 7D



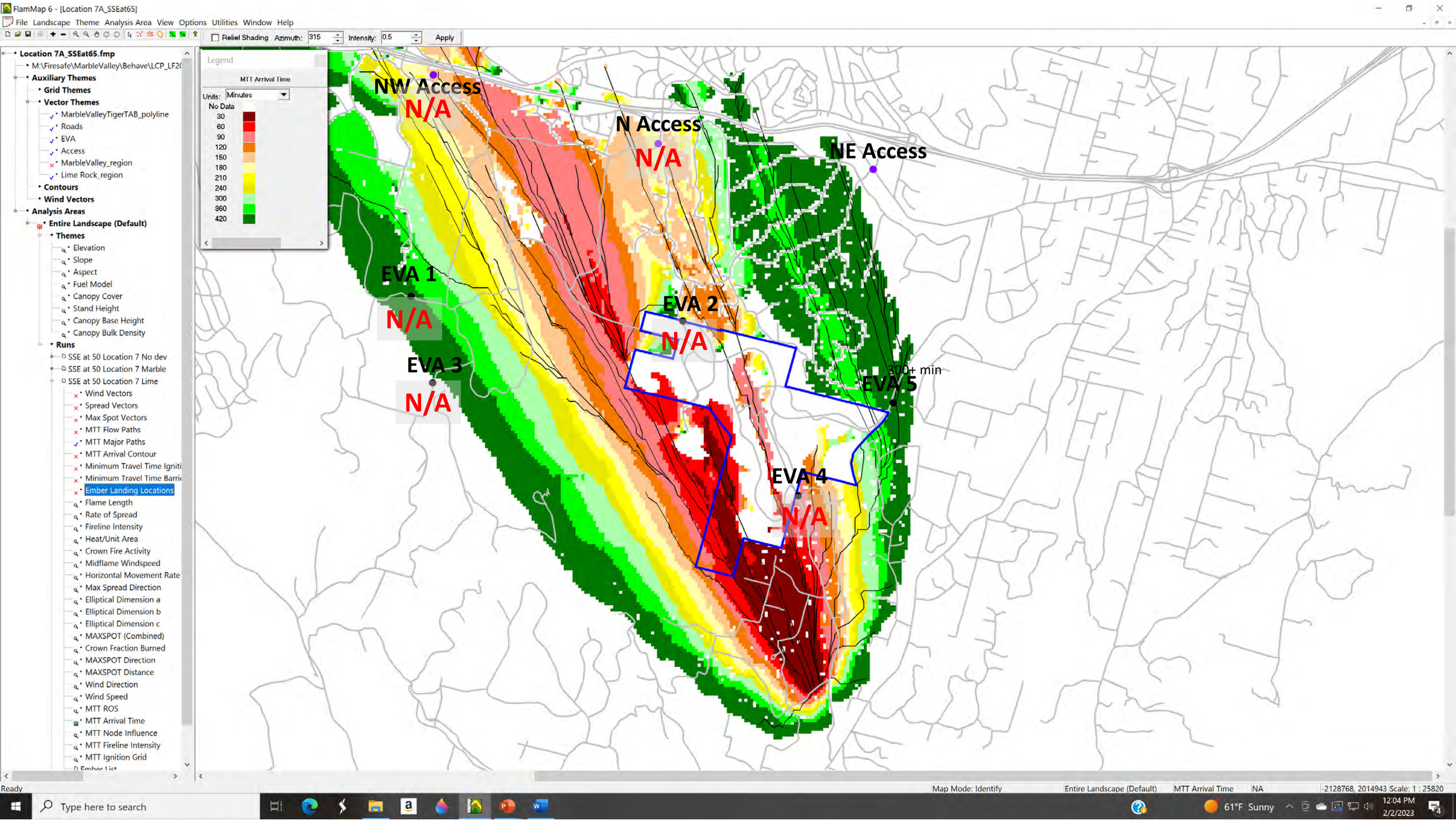
ELocation 7 SSE wind at 50 mph No Dev – Scn 7E



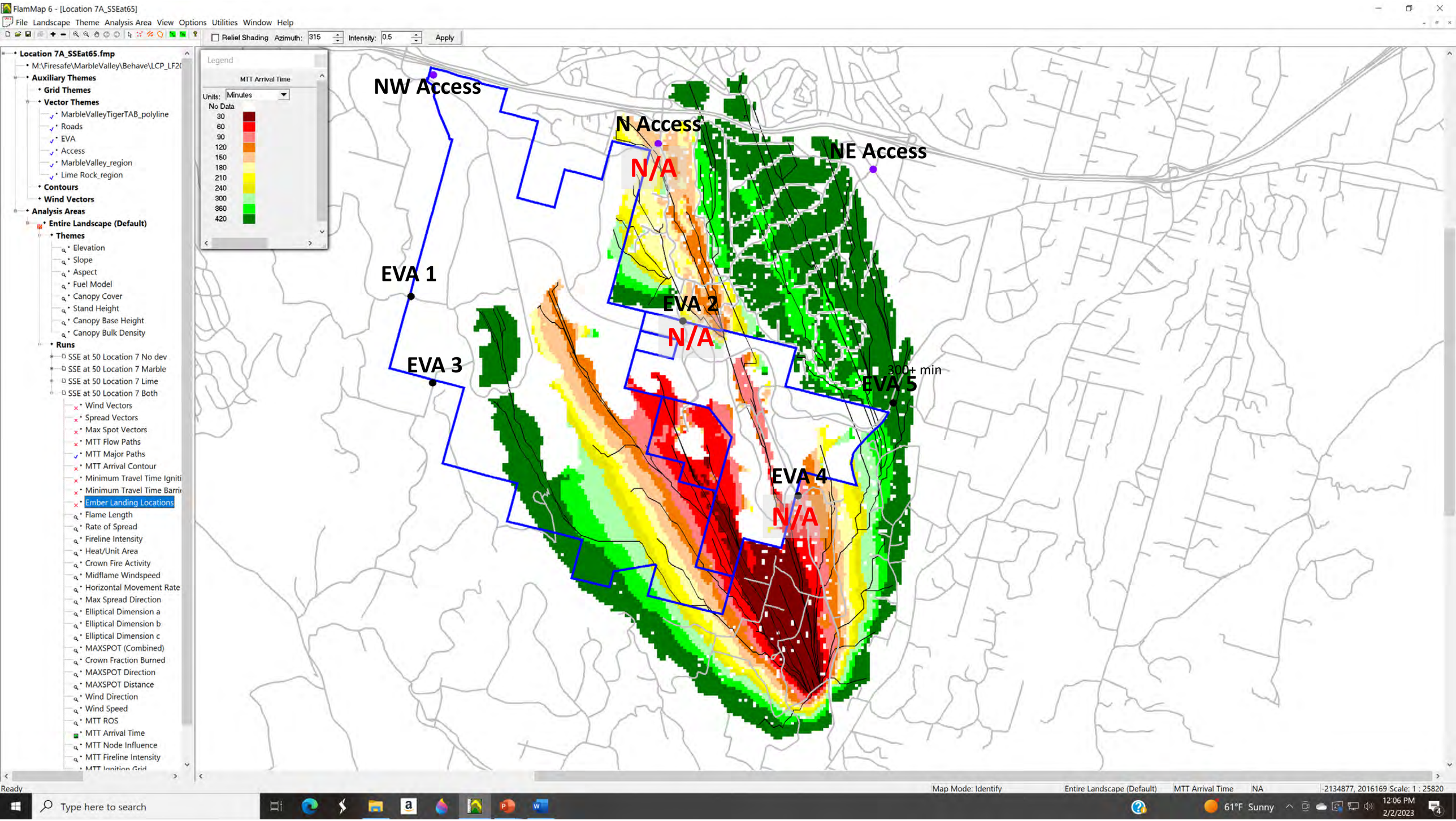
Location 7 SSE wind at 50 mph Marble – Scn 7F



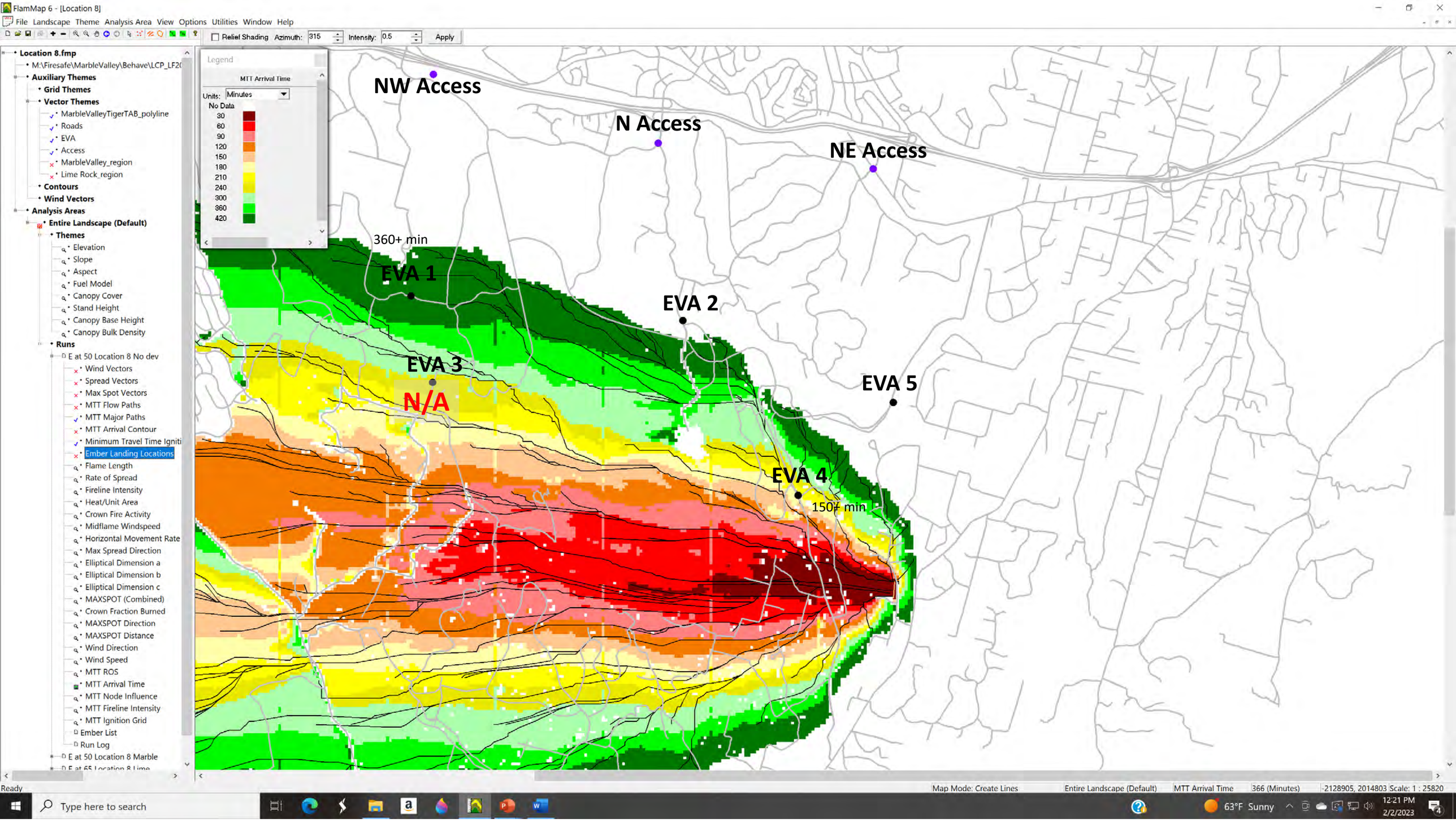
Location 7 SSE wind at 50 mph Lime – Scn 7G



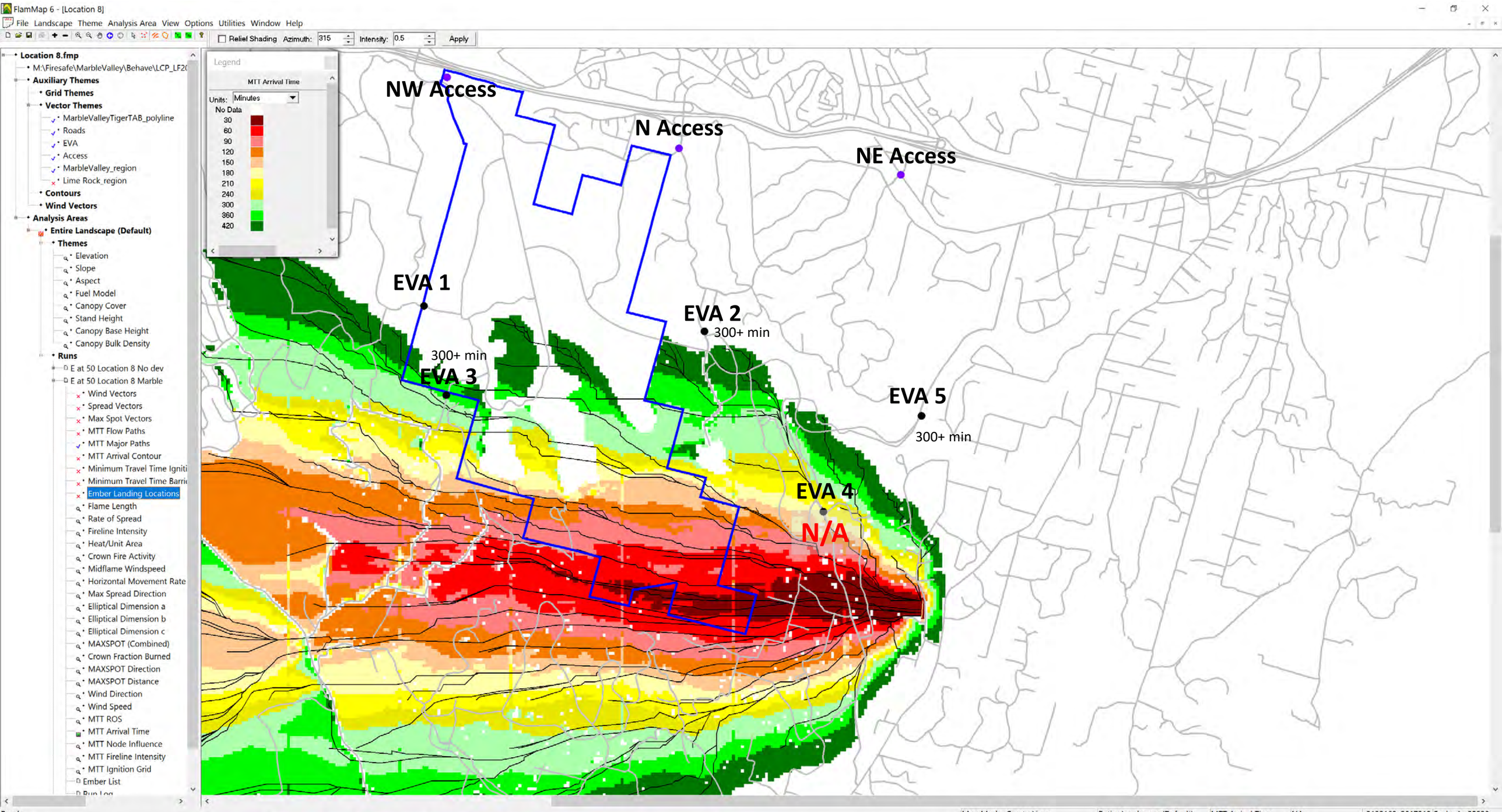
Location 7 SSE wind at 50 mph Both – Scn 7H



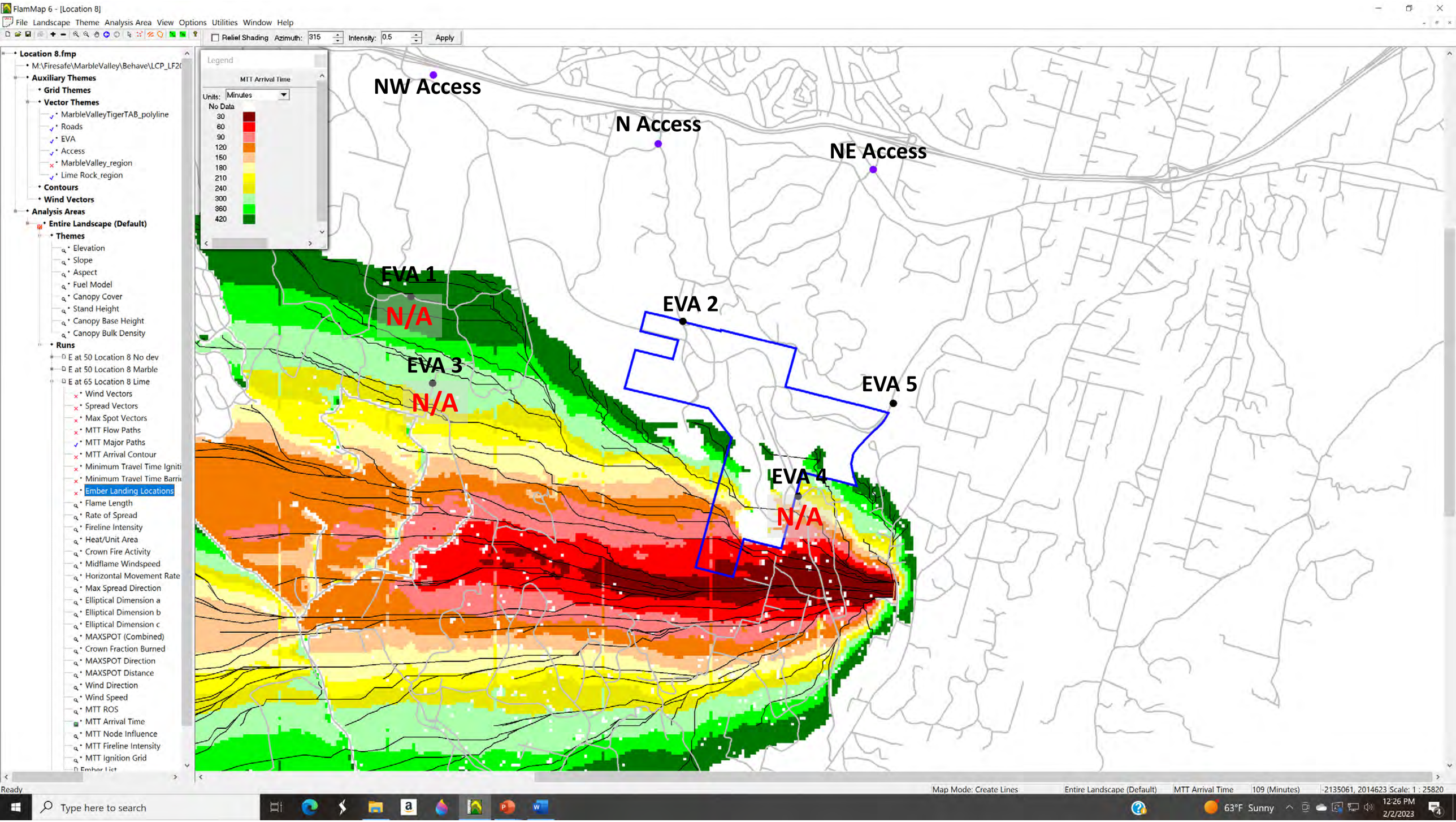
Location 8 E wind at 50 mph No Dev – Scn 8A



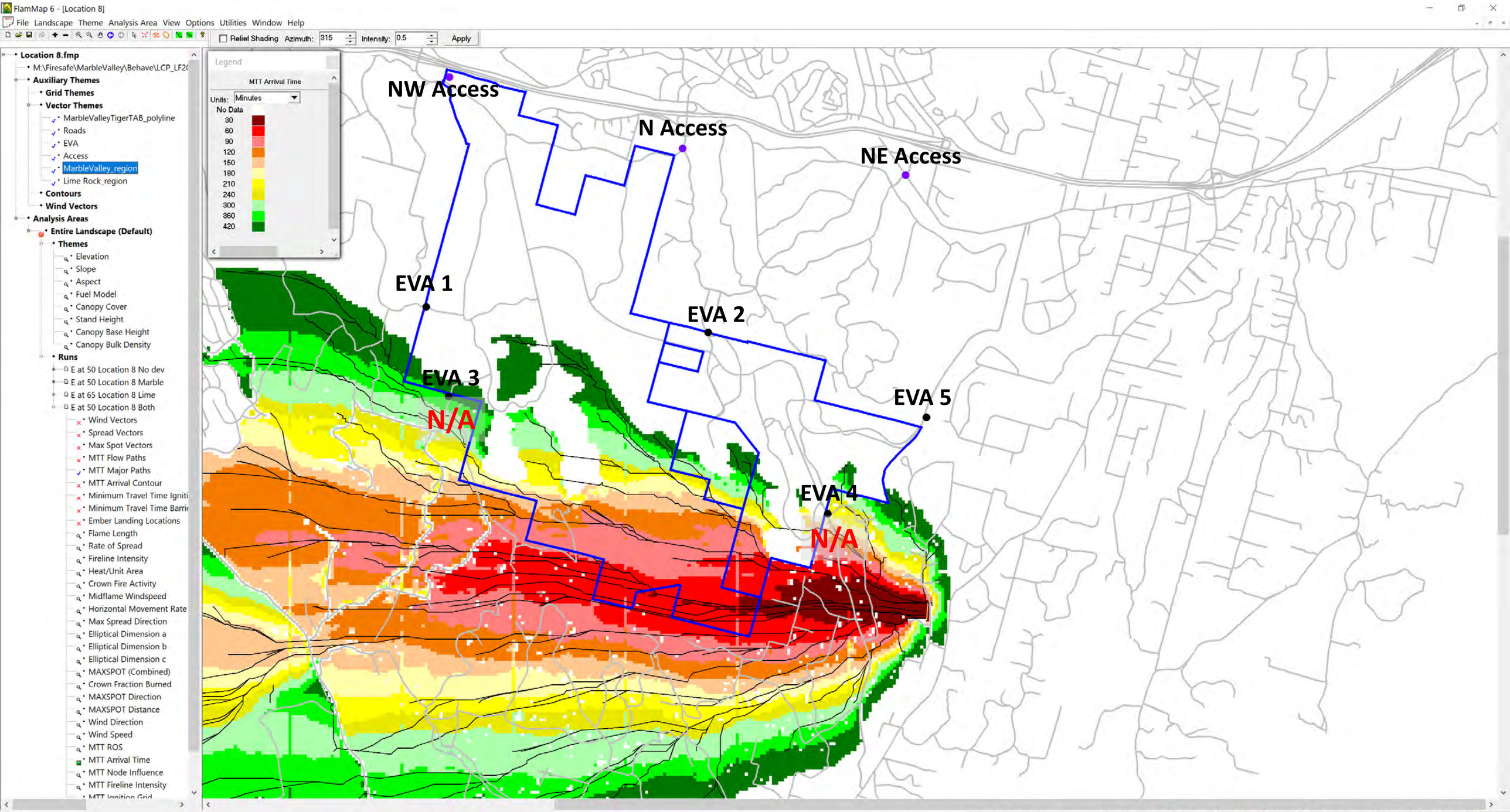
Location 8 E wind at 50 mph Marble – Scn 8B



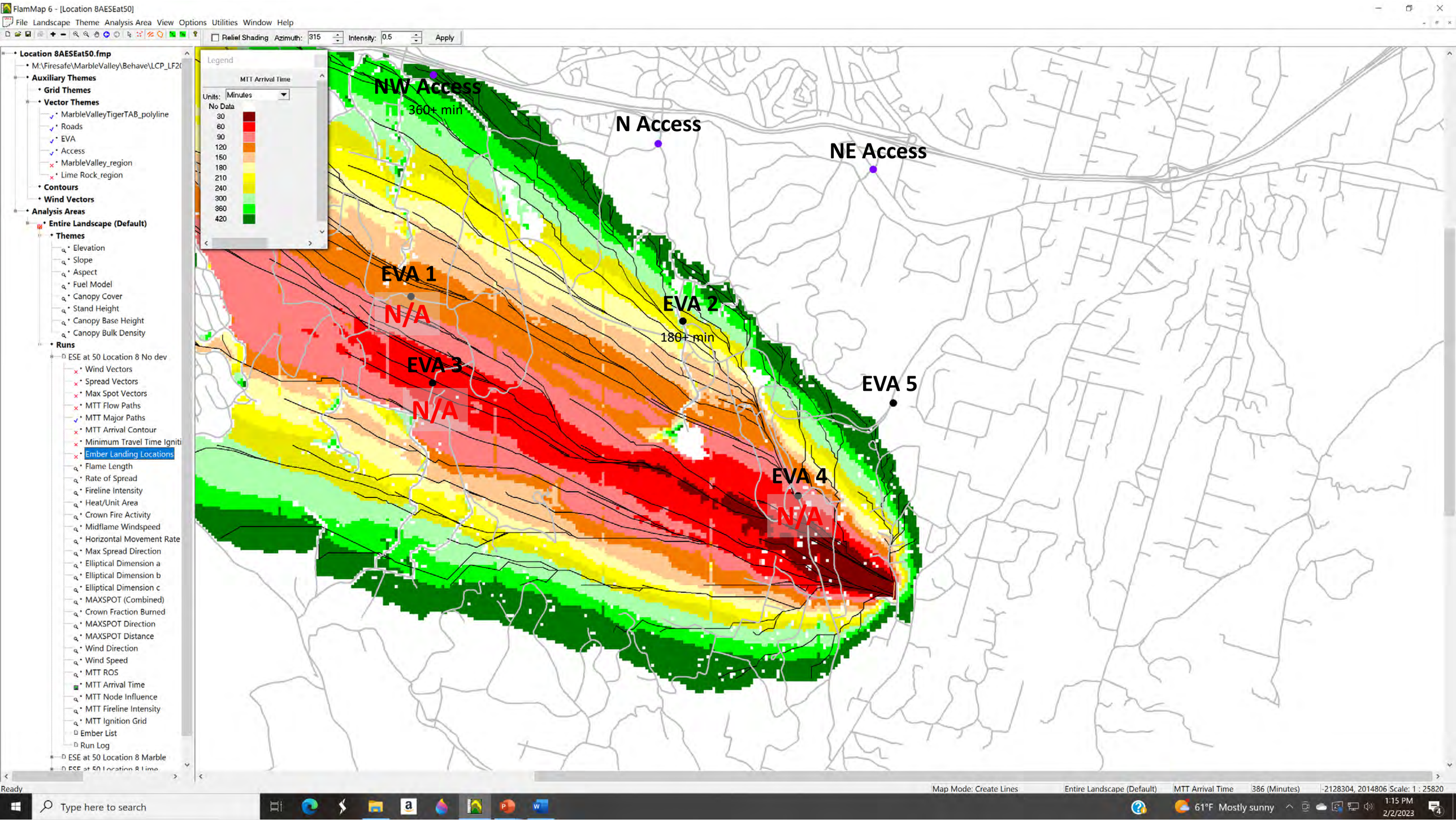
Location 8 E wind at 50 mph Lime – Scn 8C



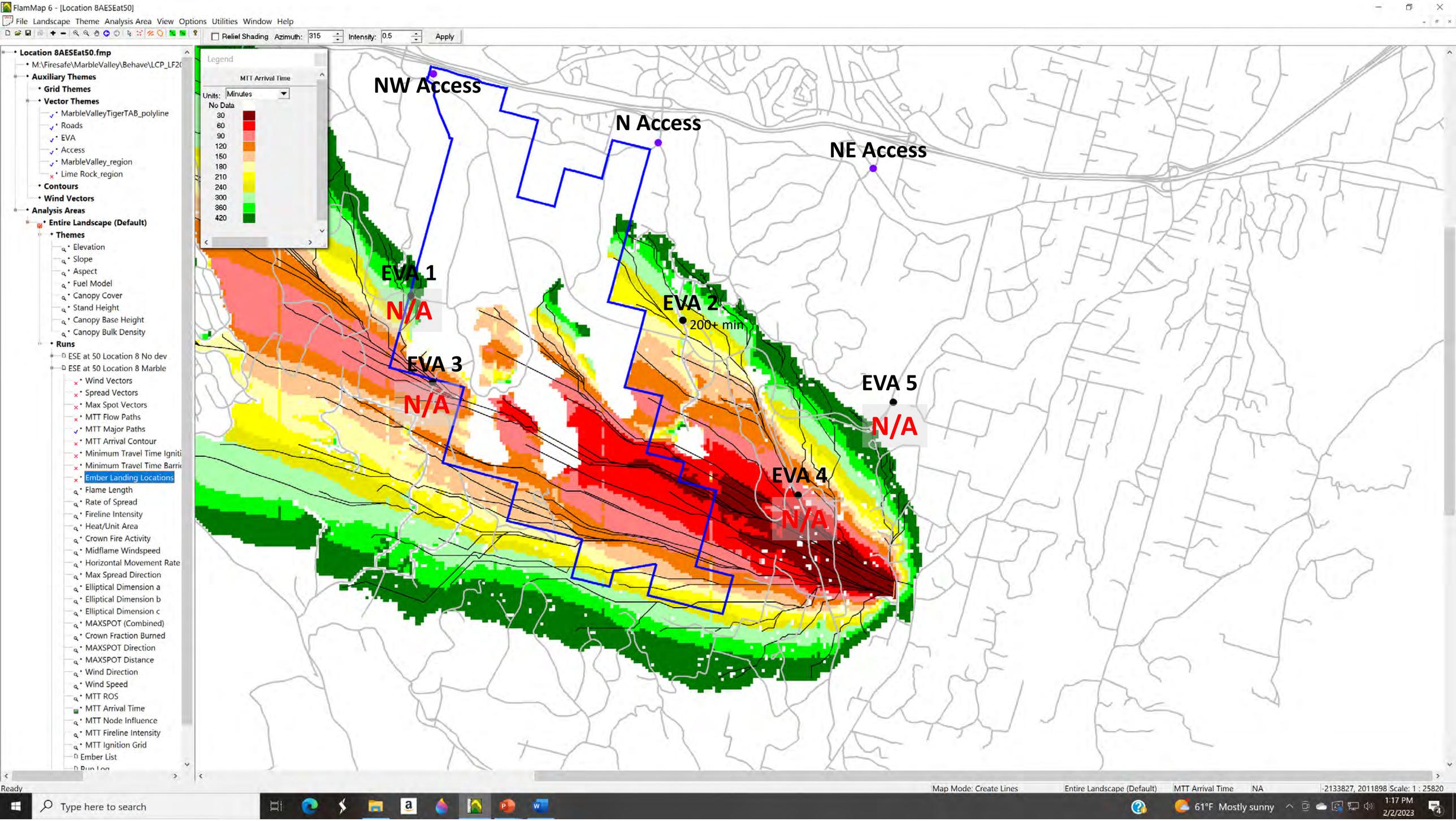
Location 8 E wind at 50 mph Both – Scn 8D



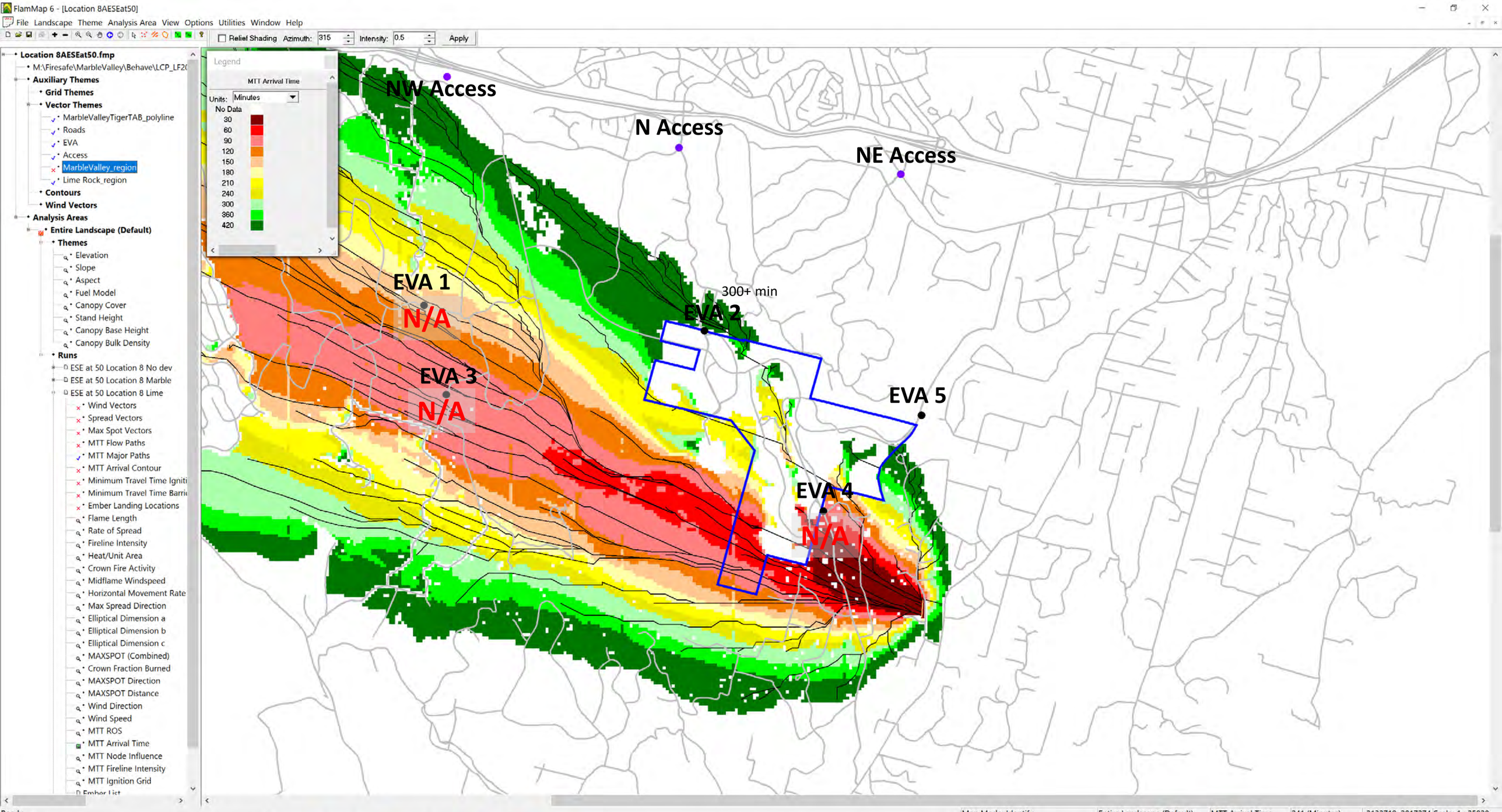
Location 8 ESE wind at 50 mph No Dev – Scn 8E



Location 8 ESE wind at 50 mph Marble – Scn 8F

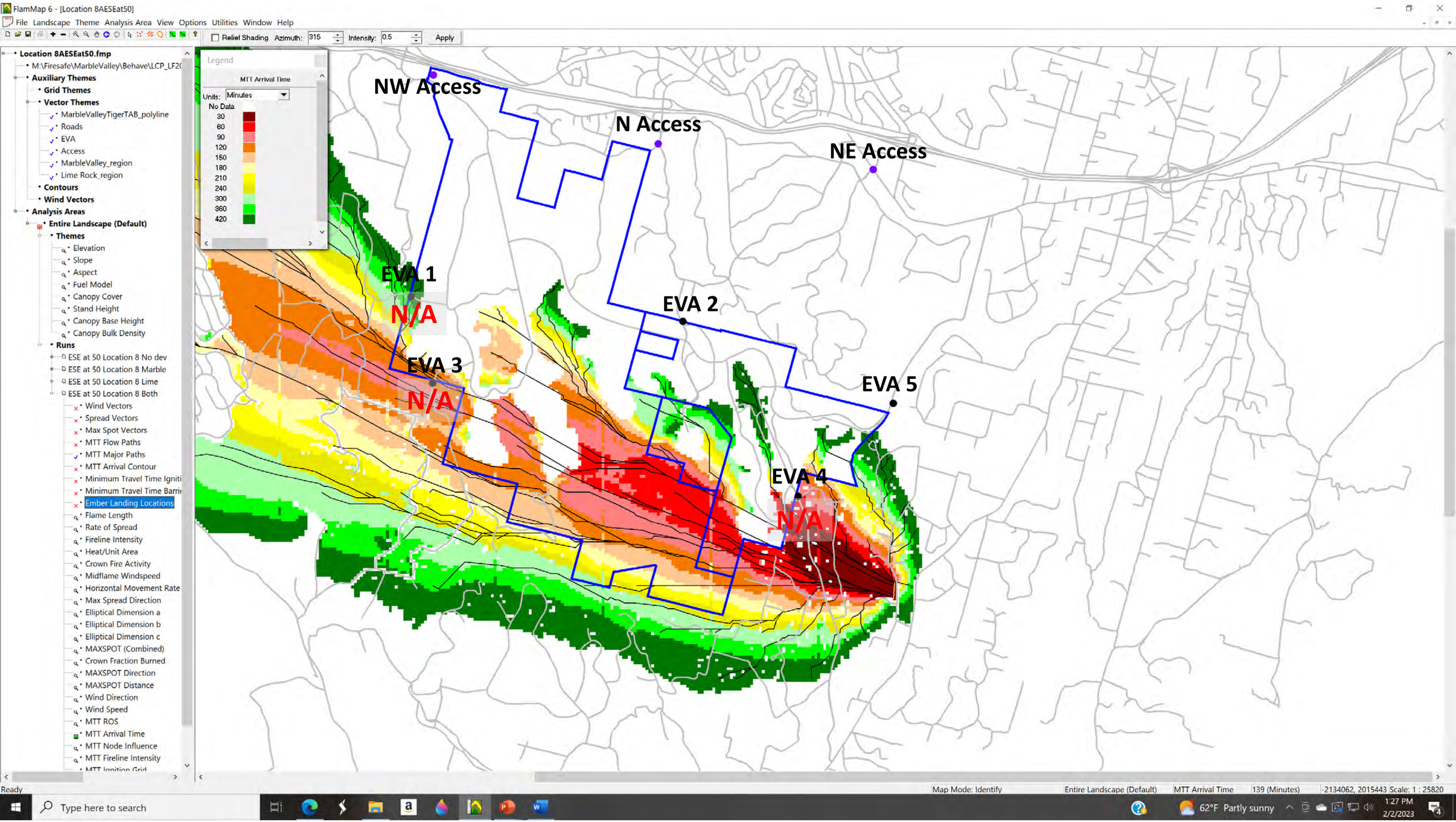


Location 8 ESE wind at 50 mph Lime – Scn 8G

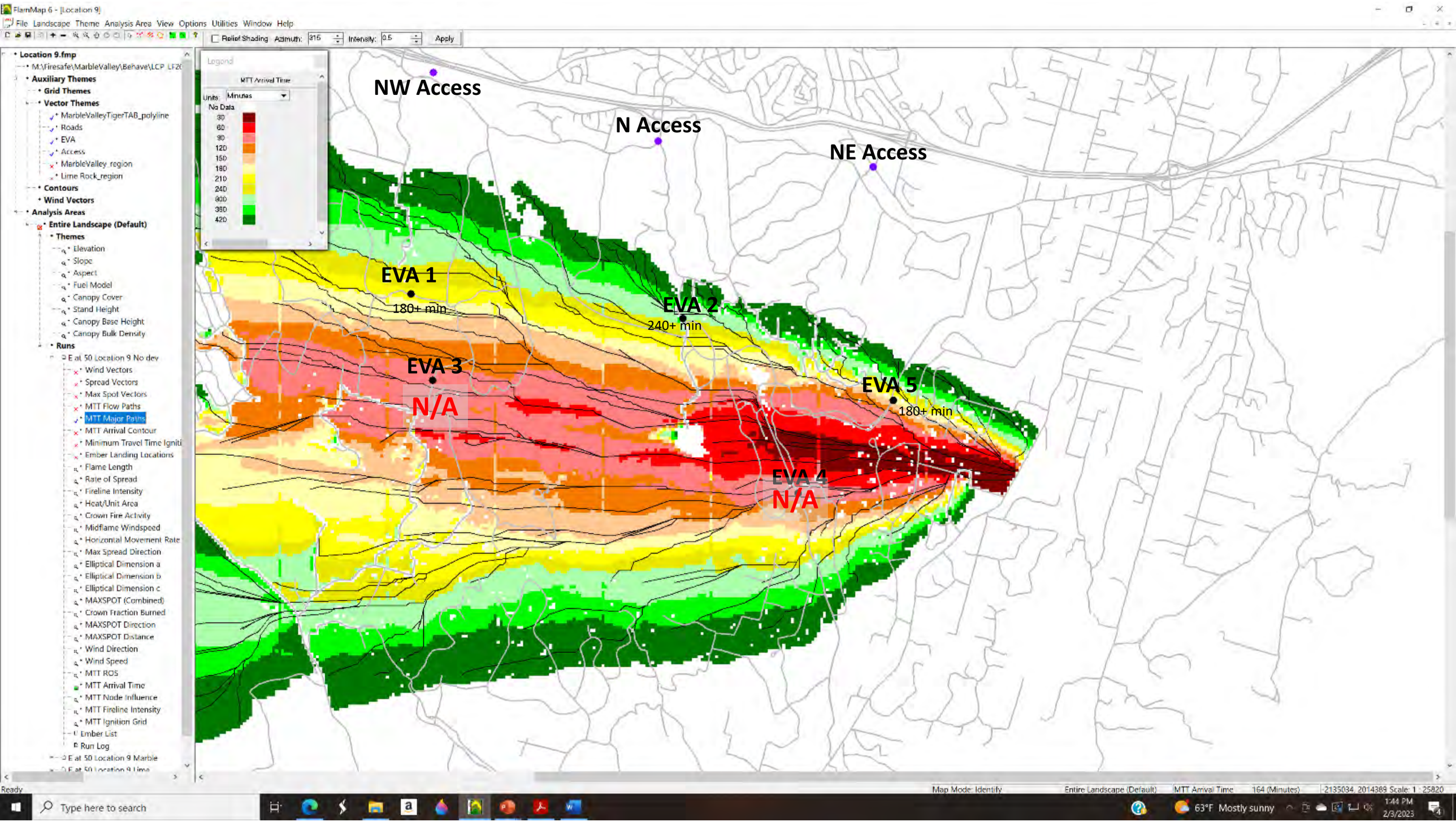


Location 8 ESE wind at 50 mph Both – Scn 8H

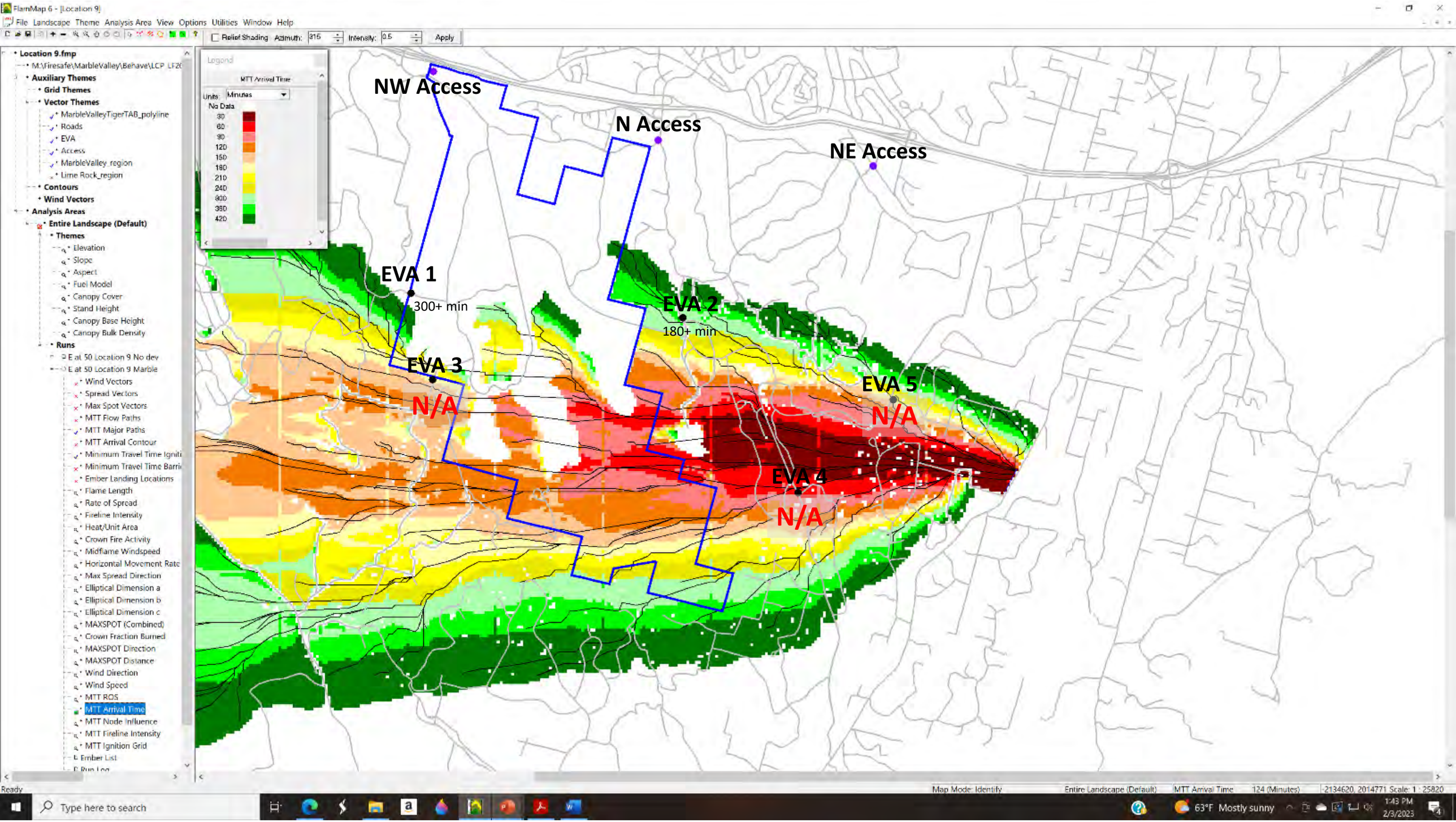
120 min 90 min



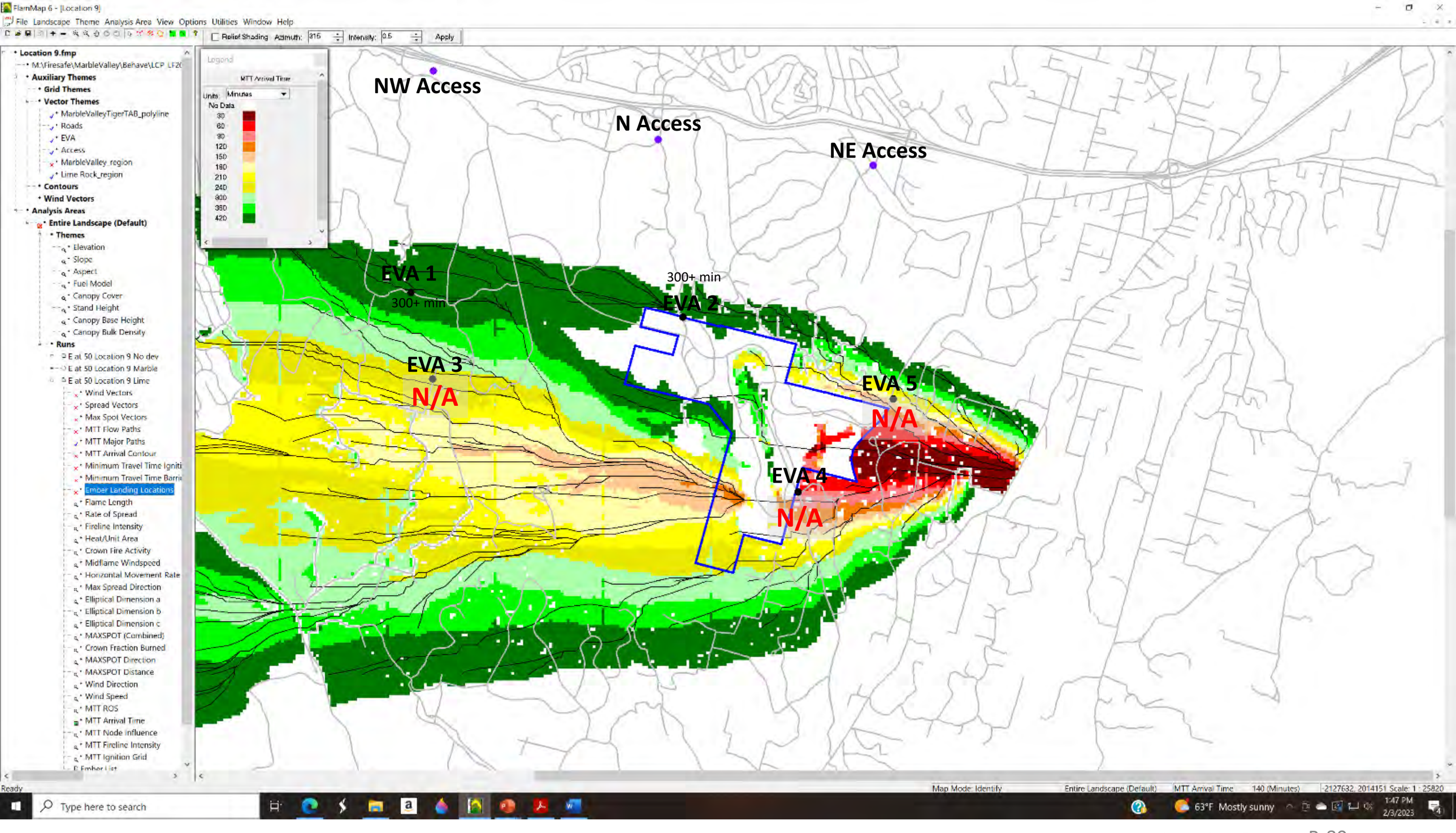
Location 9 E wind at 50 mph No Dev – Scn 9A



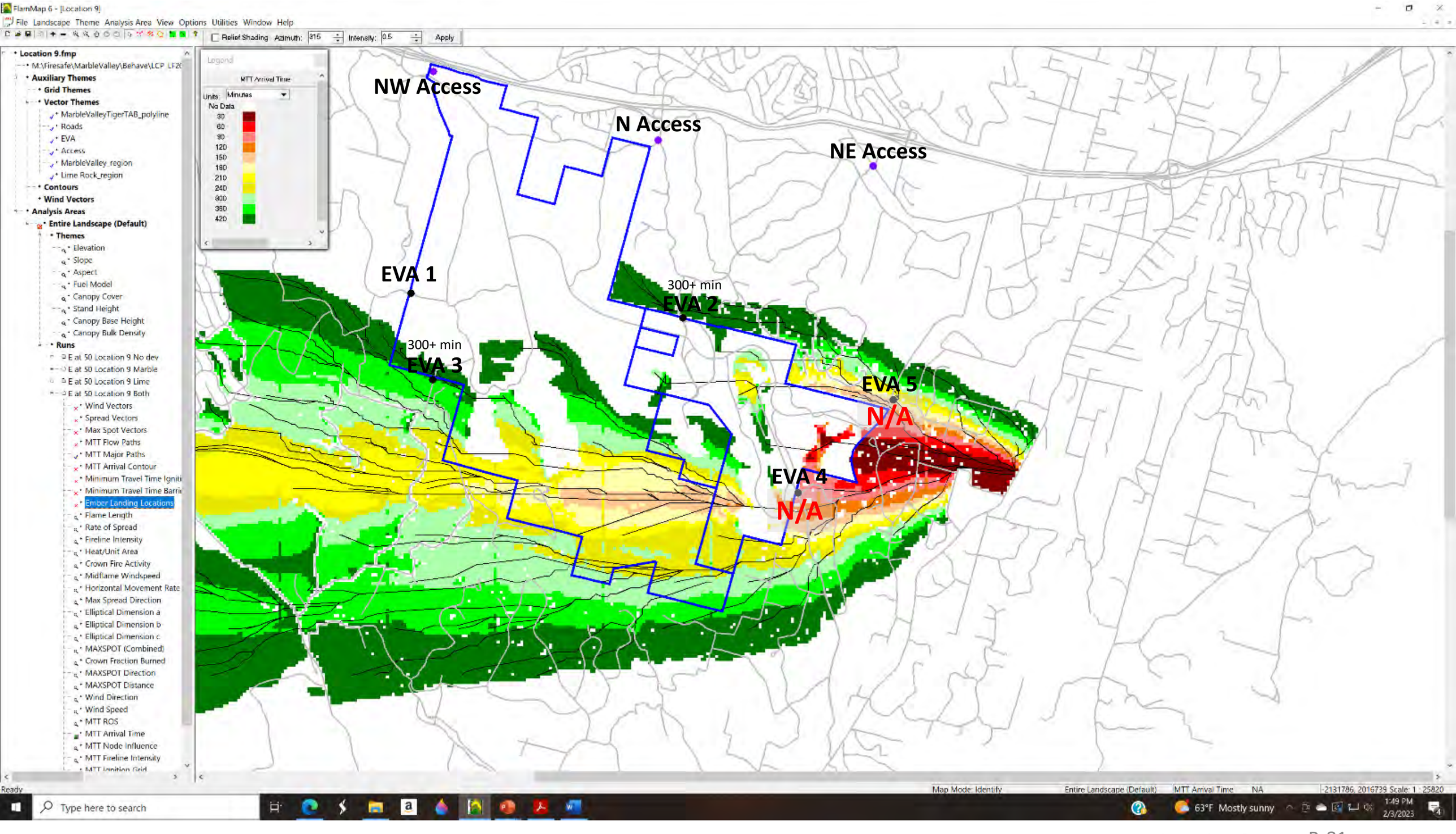
Location 9 E wind at 50 mph Marble – Scn 9B



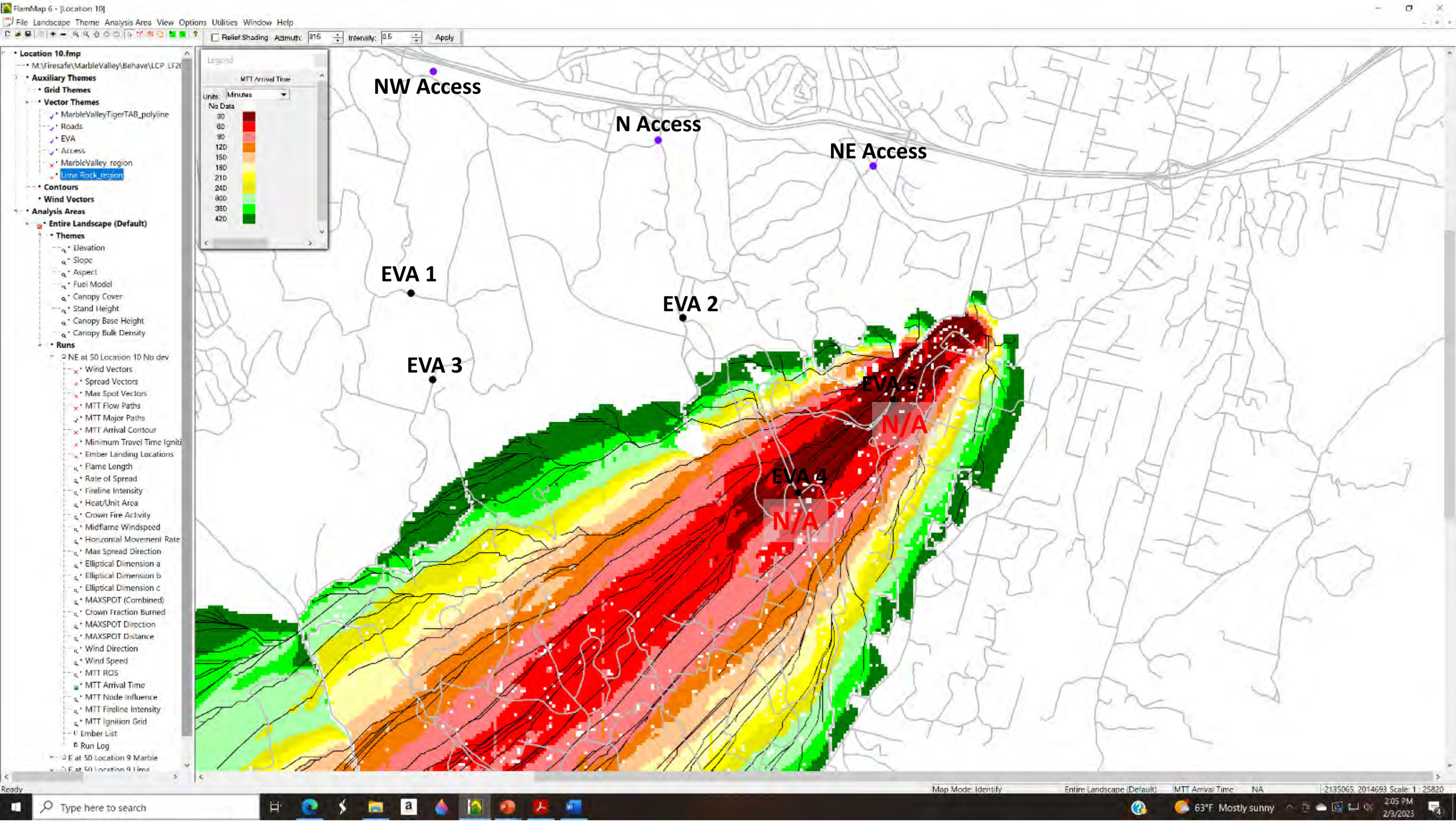
Location 9 E wind at 50 mph Lime – Scn 9C



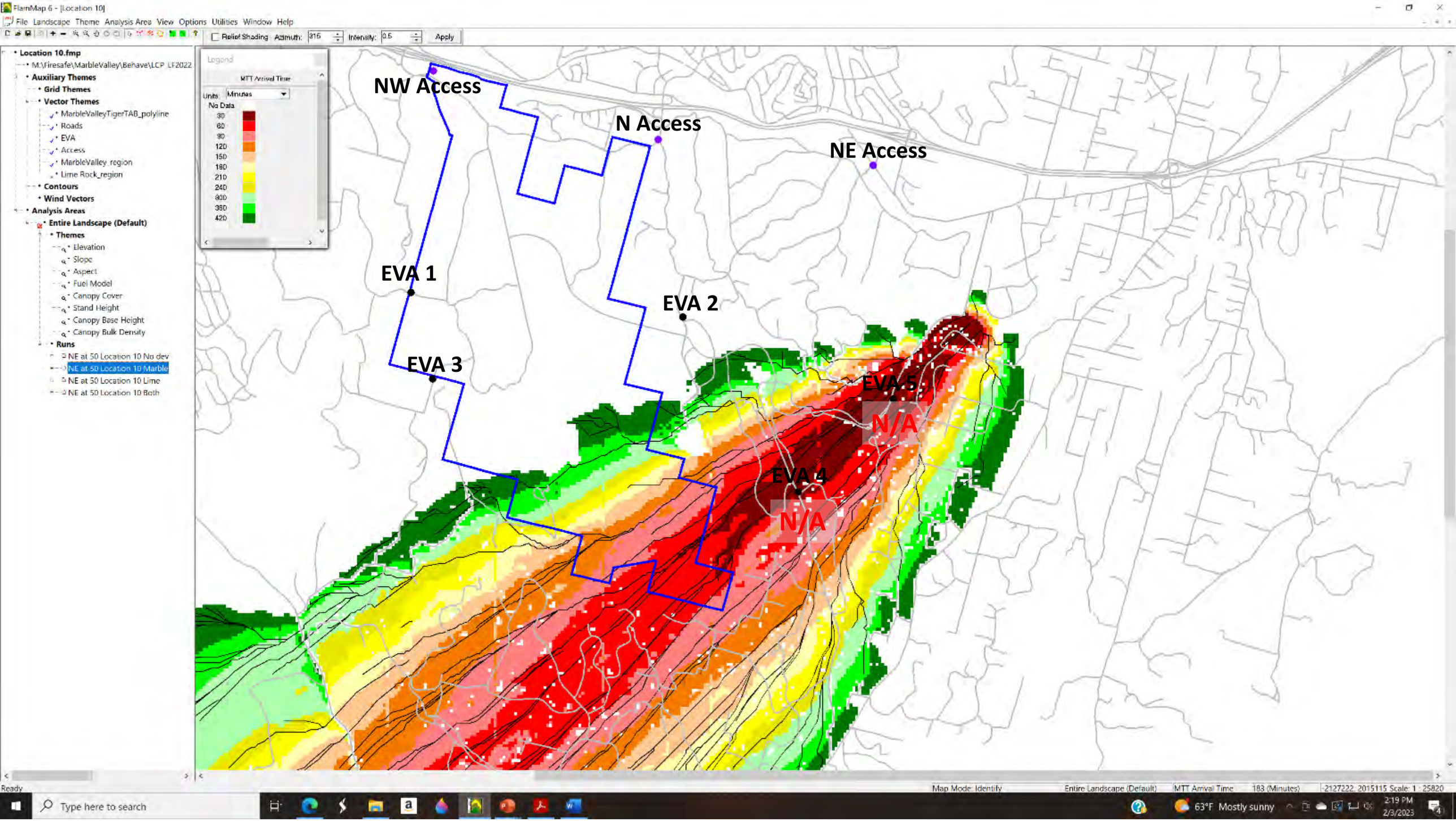
Location 9 E wind at 50 mph Both – Scn 9D



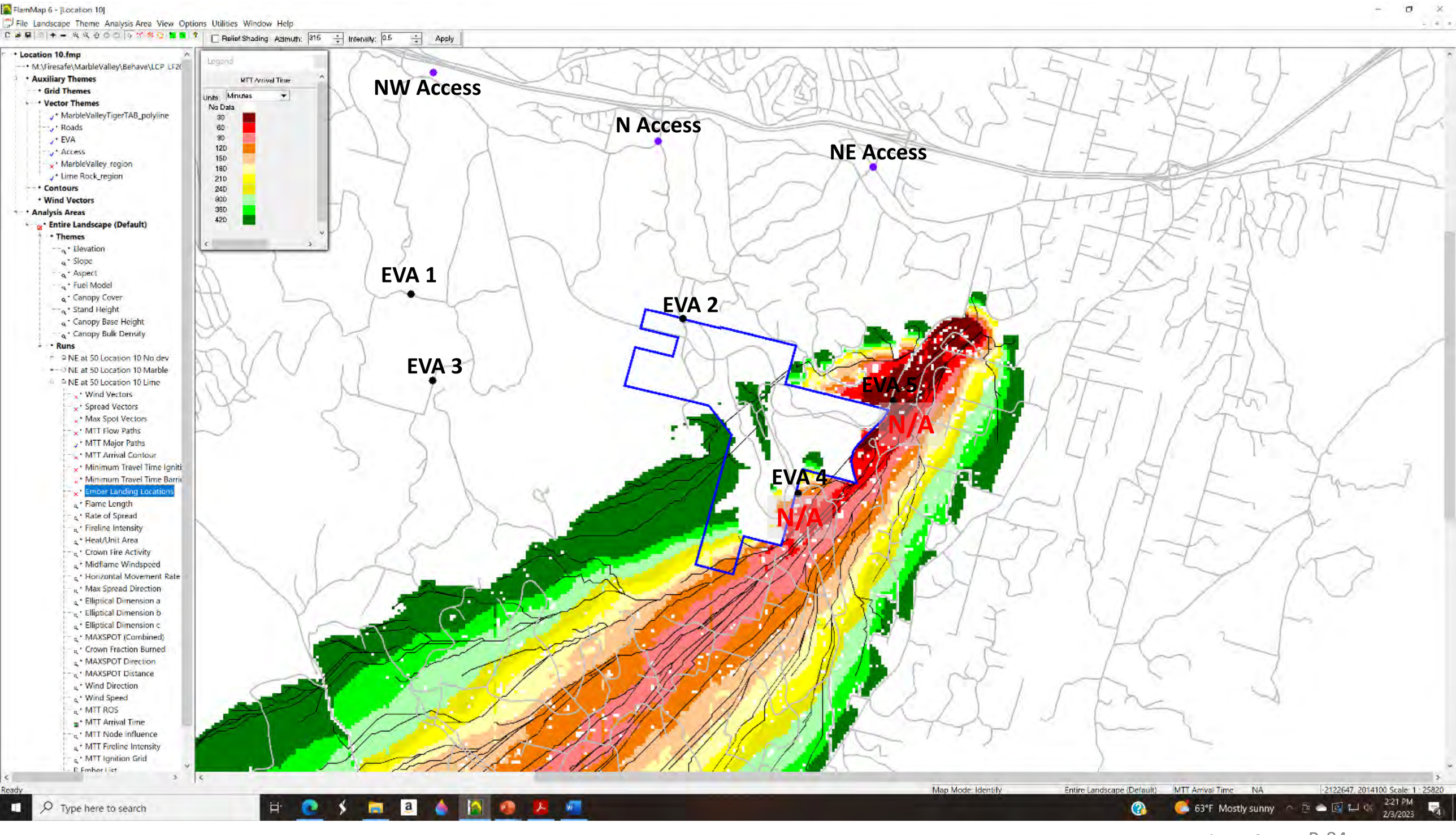
Location 10 NE wind at 50 mph No Dev – Scn 10A



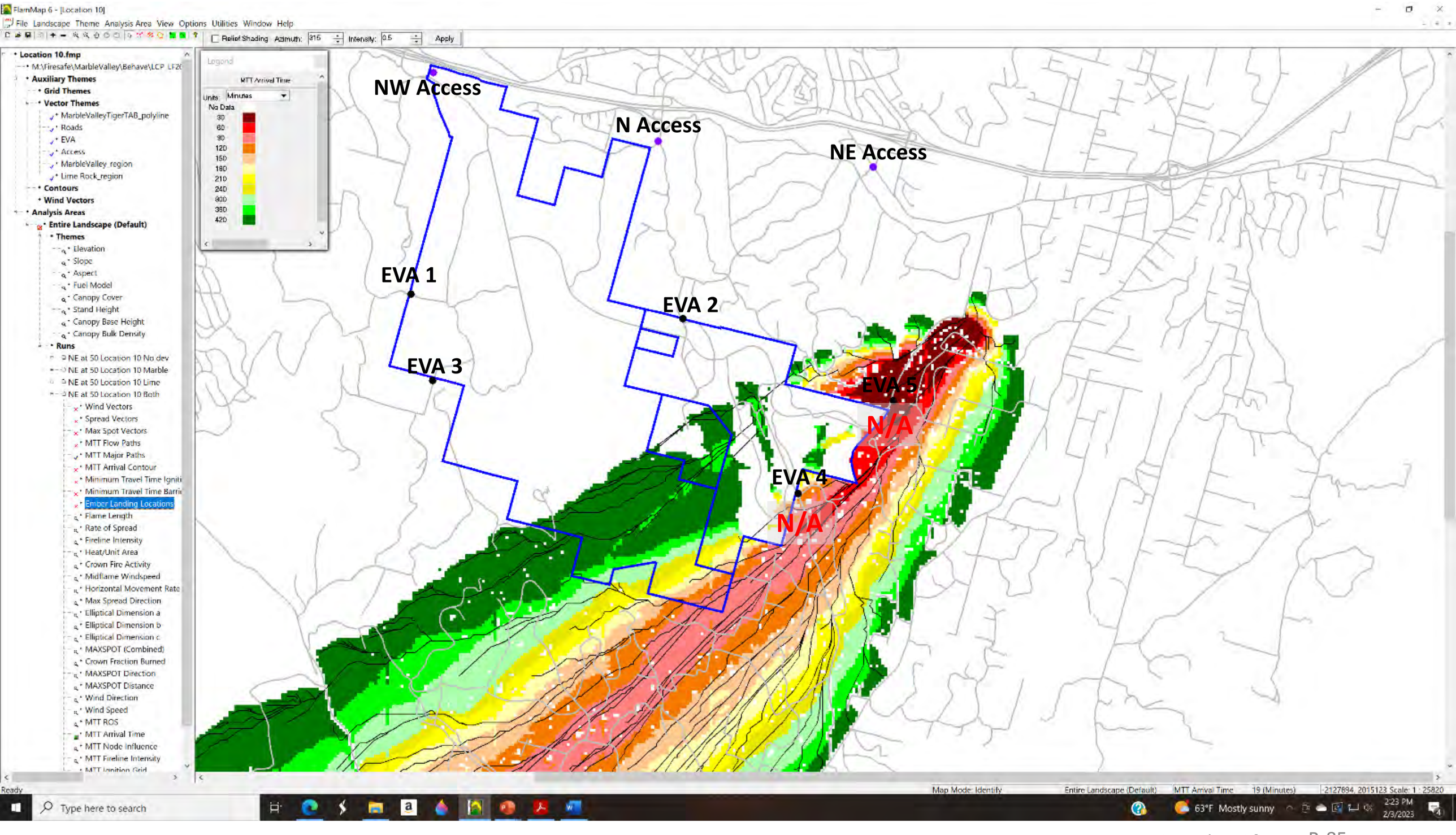
Location 10 NE wind at 50 mph Marble– Scn 10B



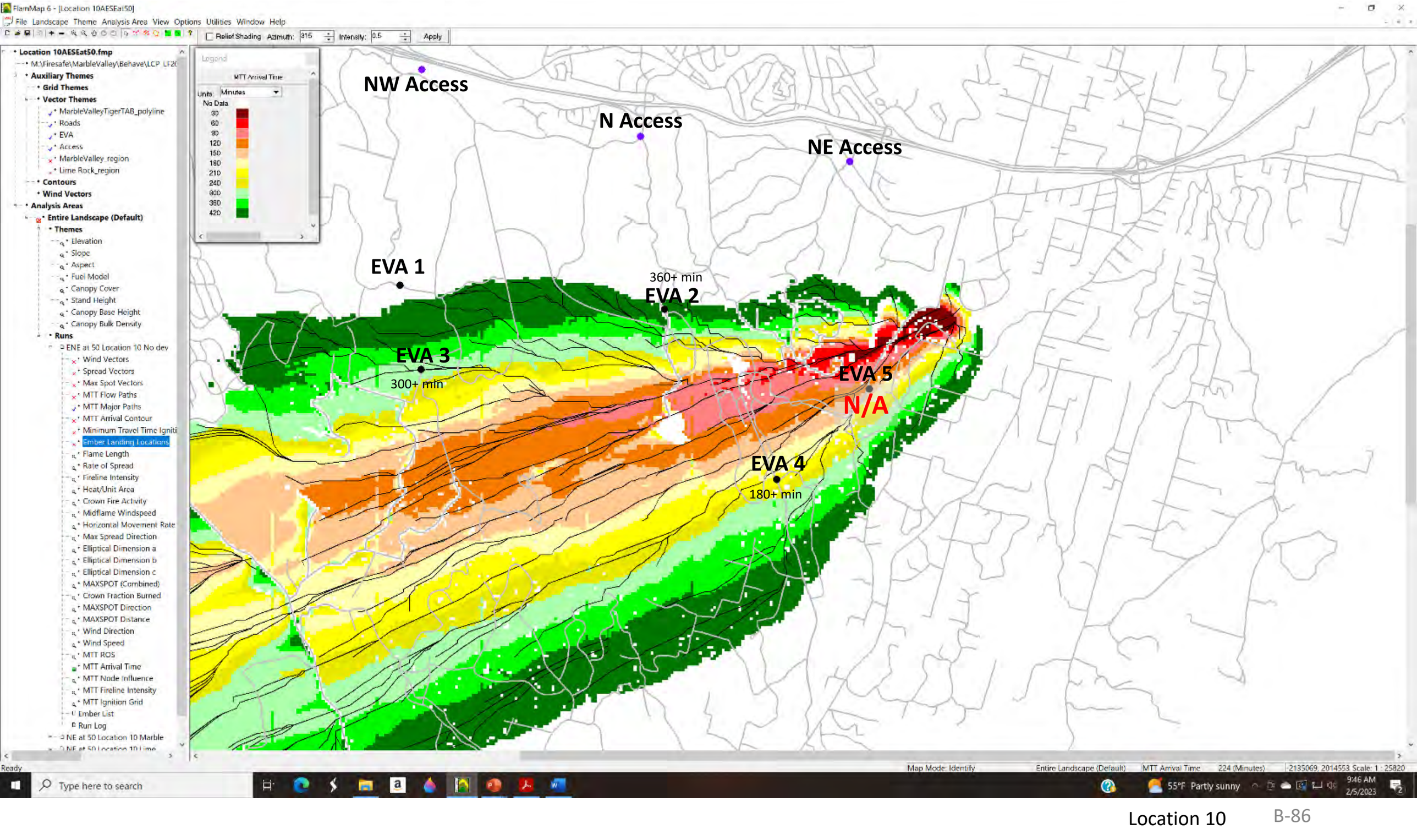
Location 10 NE wind at 50 mph Lime– Scn 10C



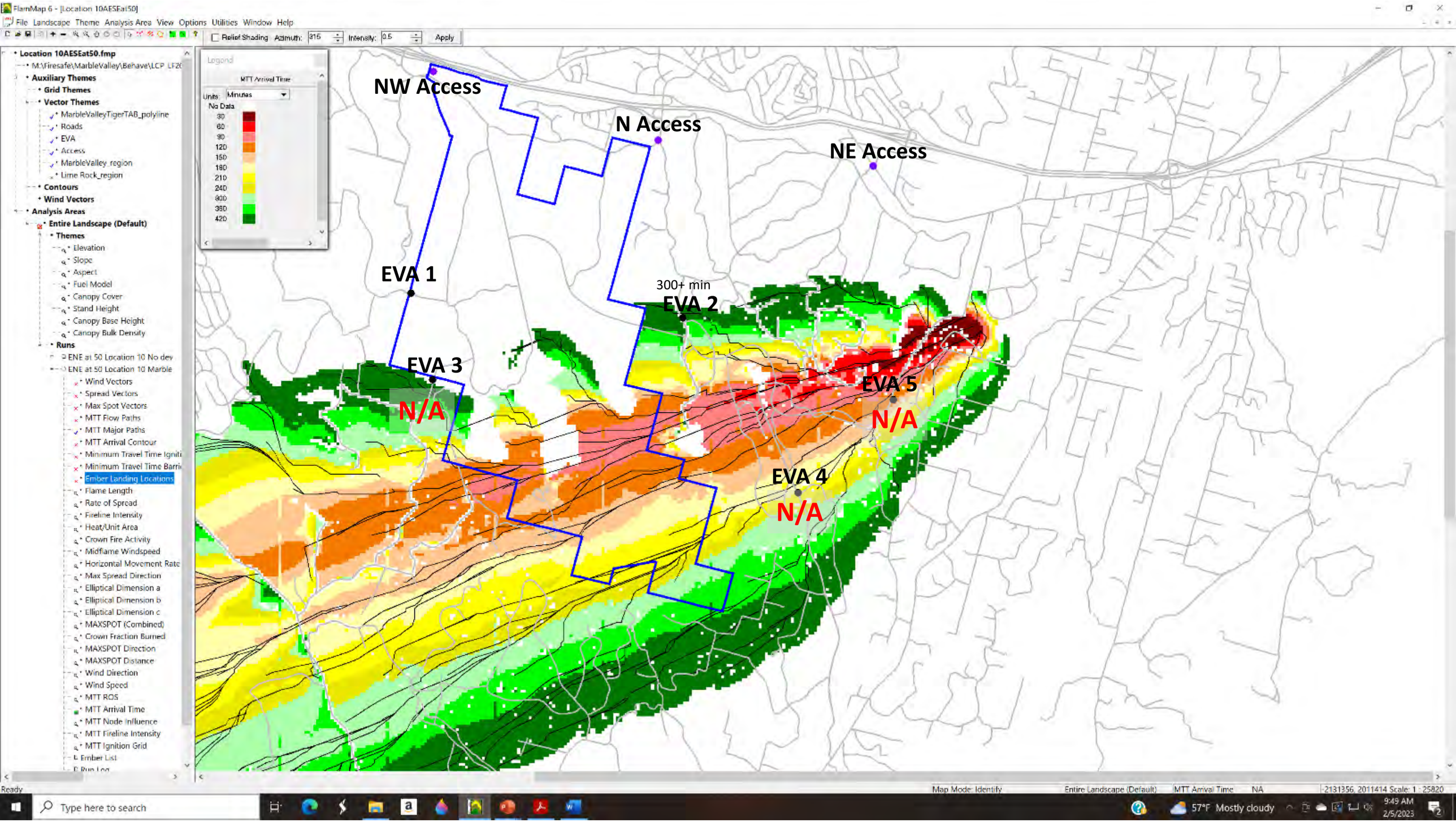
Location 10 NE wind at 50 mph Both – Scn 10D



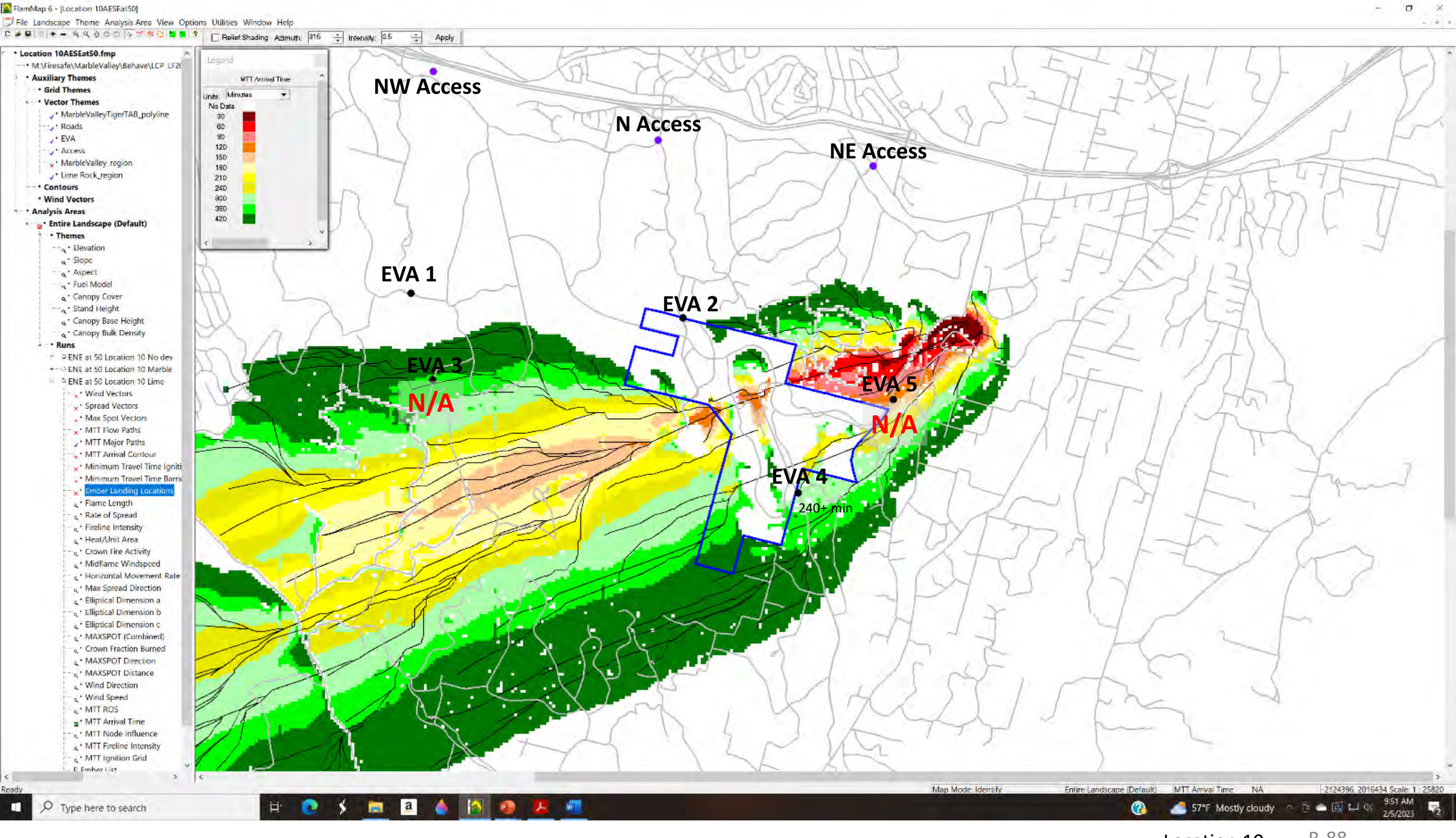
Location 10 ENE wind at 50 mph No Dev – Scn 10E



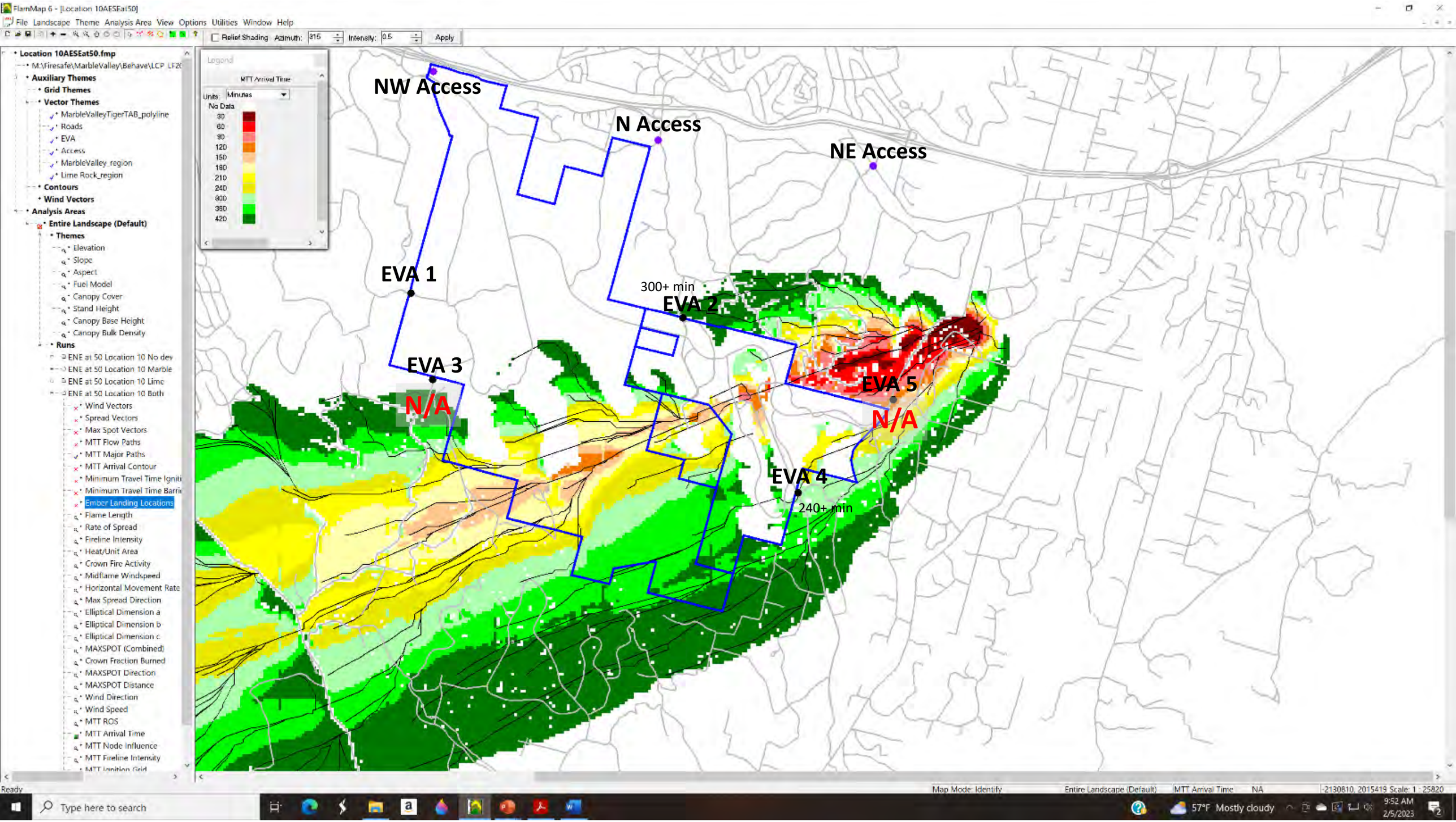
Location 10 ENE wind at 50 mph Marble – Scn 10F



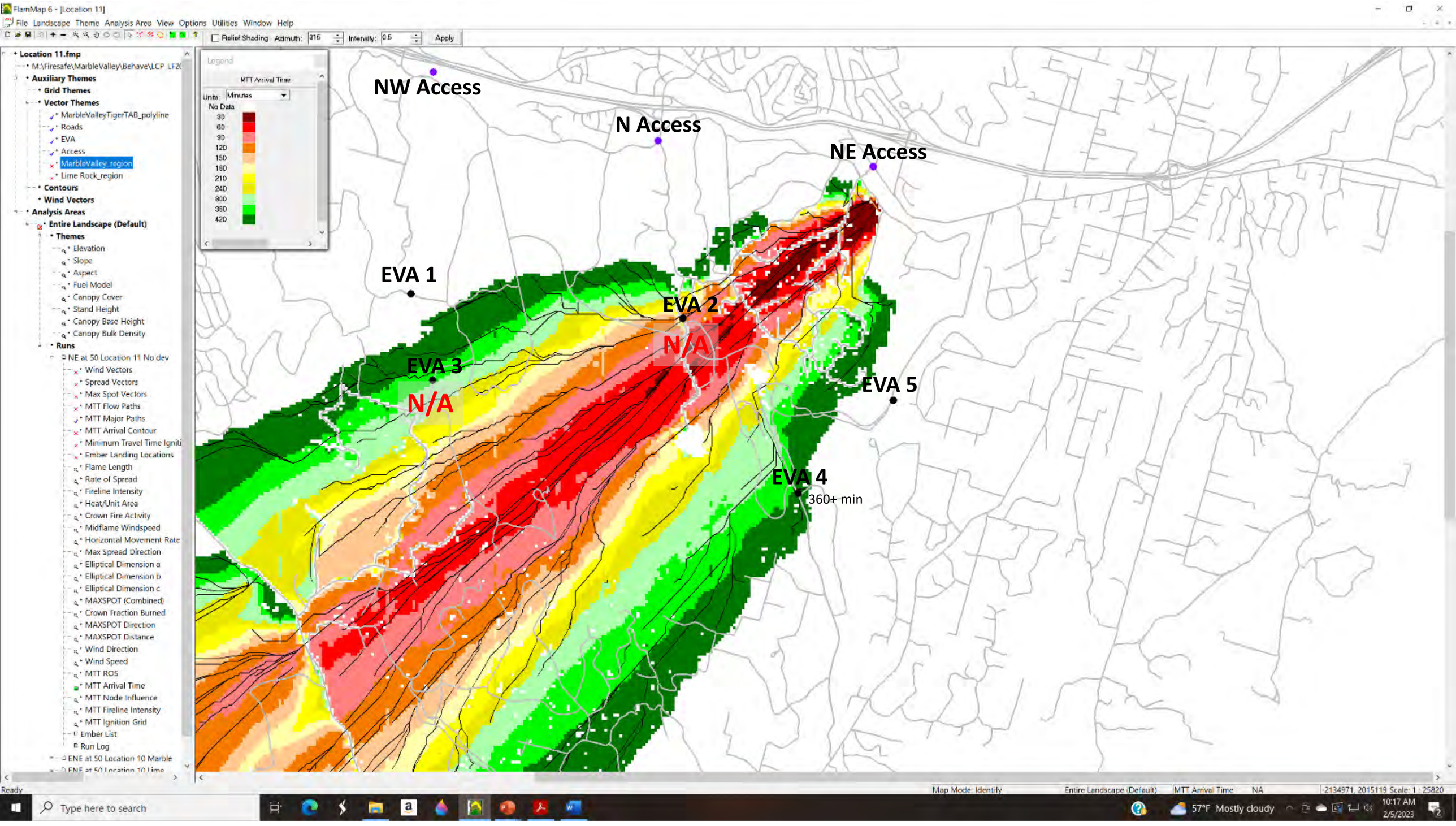
Location 10 ENE wind at 50 mph Lime– Scn 10G



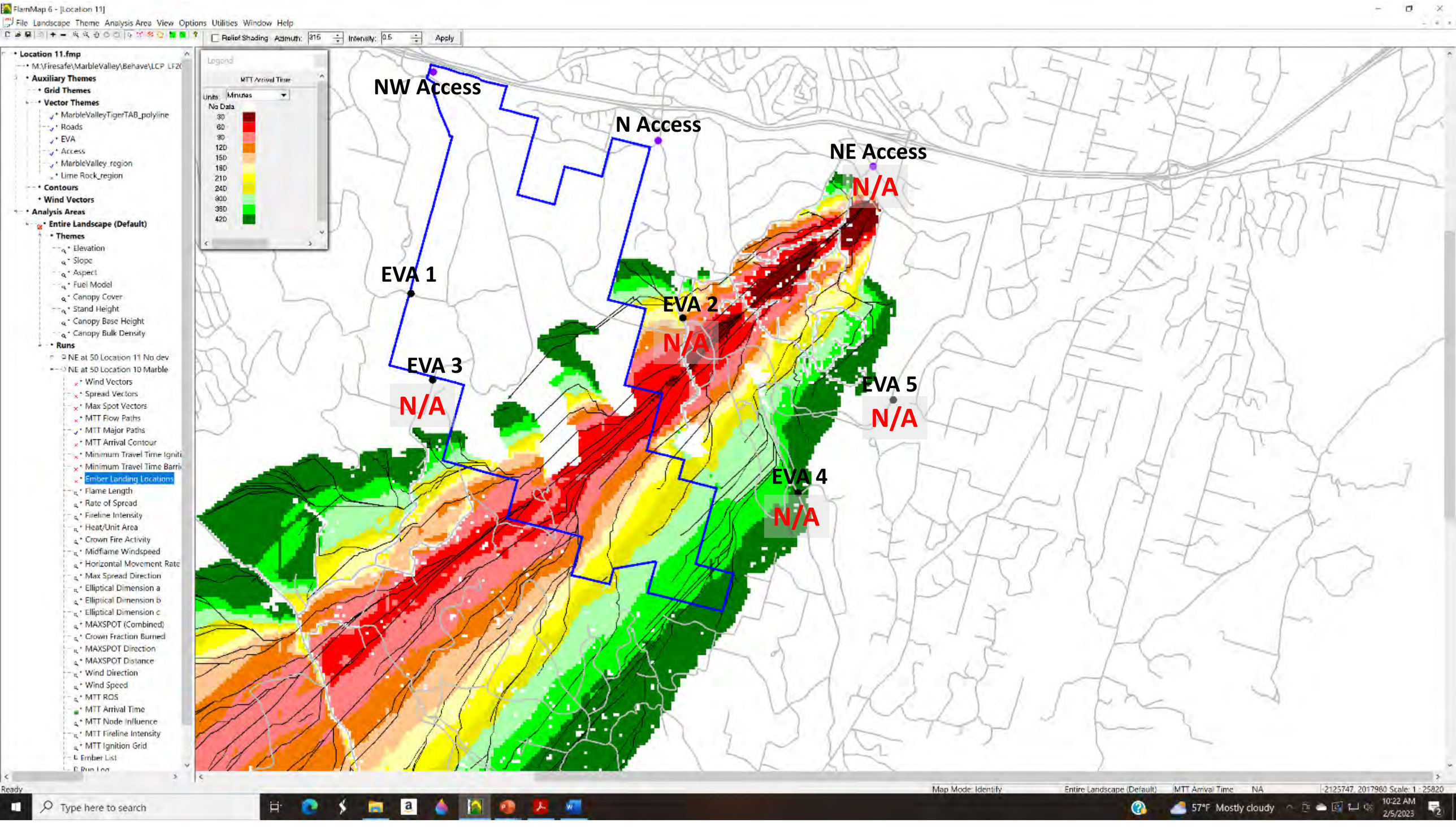
Location 10 ENE wind at 50 mph Both – Scn 10H



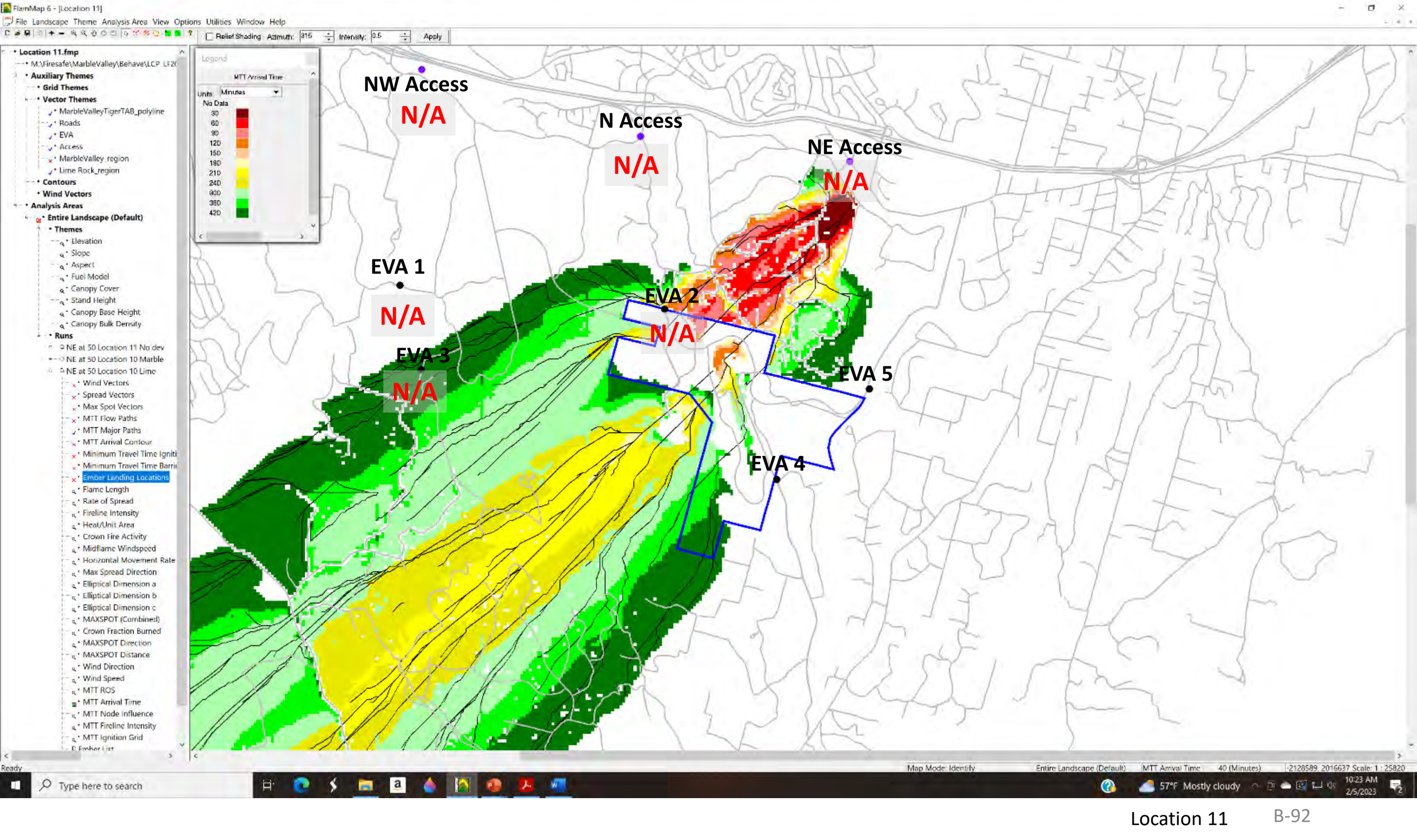
Location 11 NE wind at 50 mph No Dev – Scn 11A



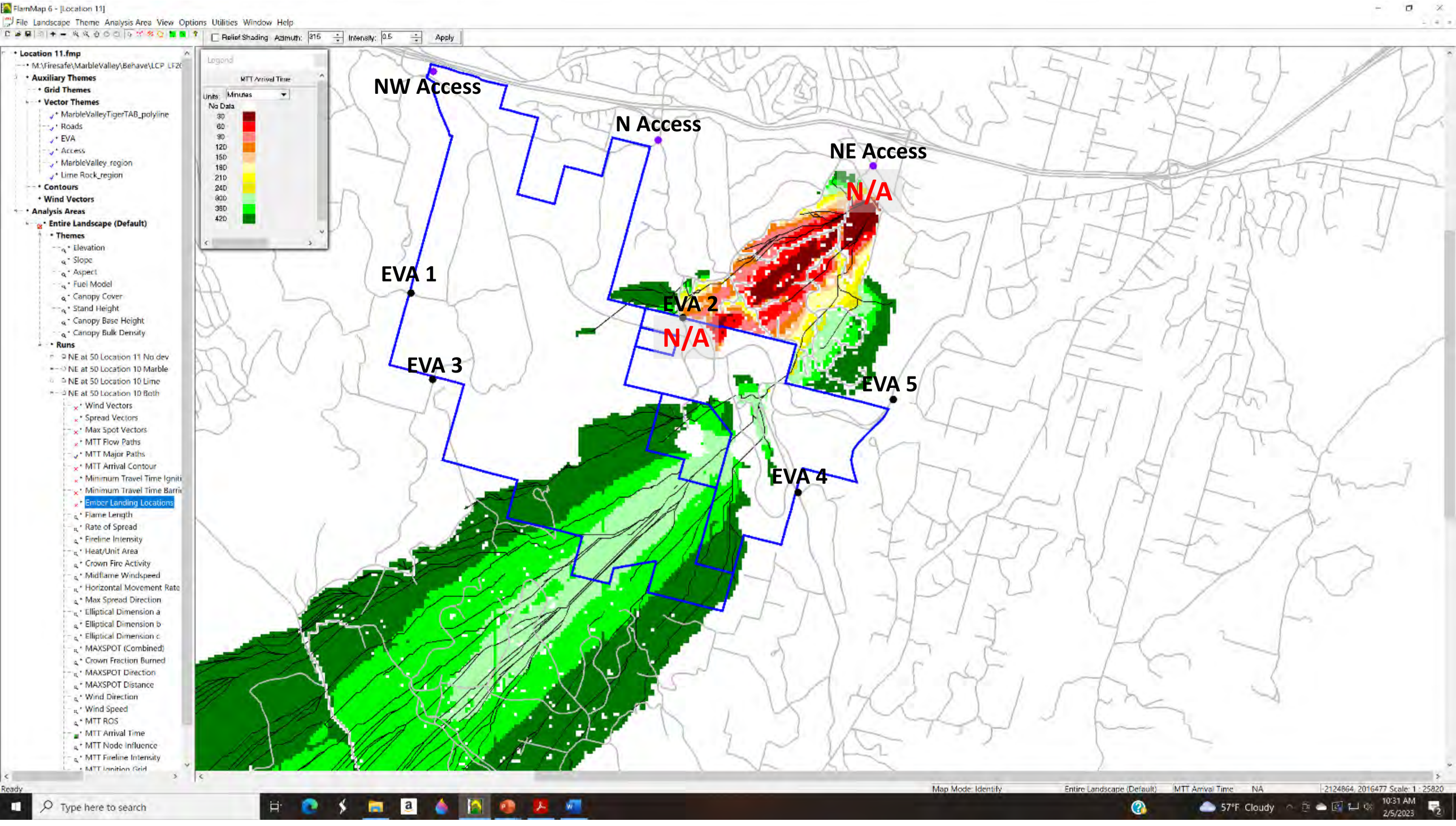
Location 11 NE wind at 50 mph Marble – Scn 11B



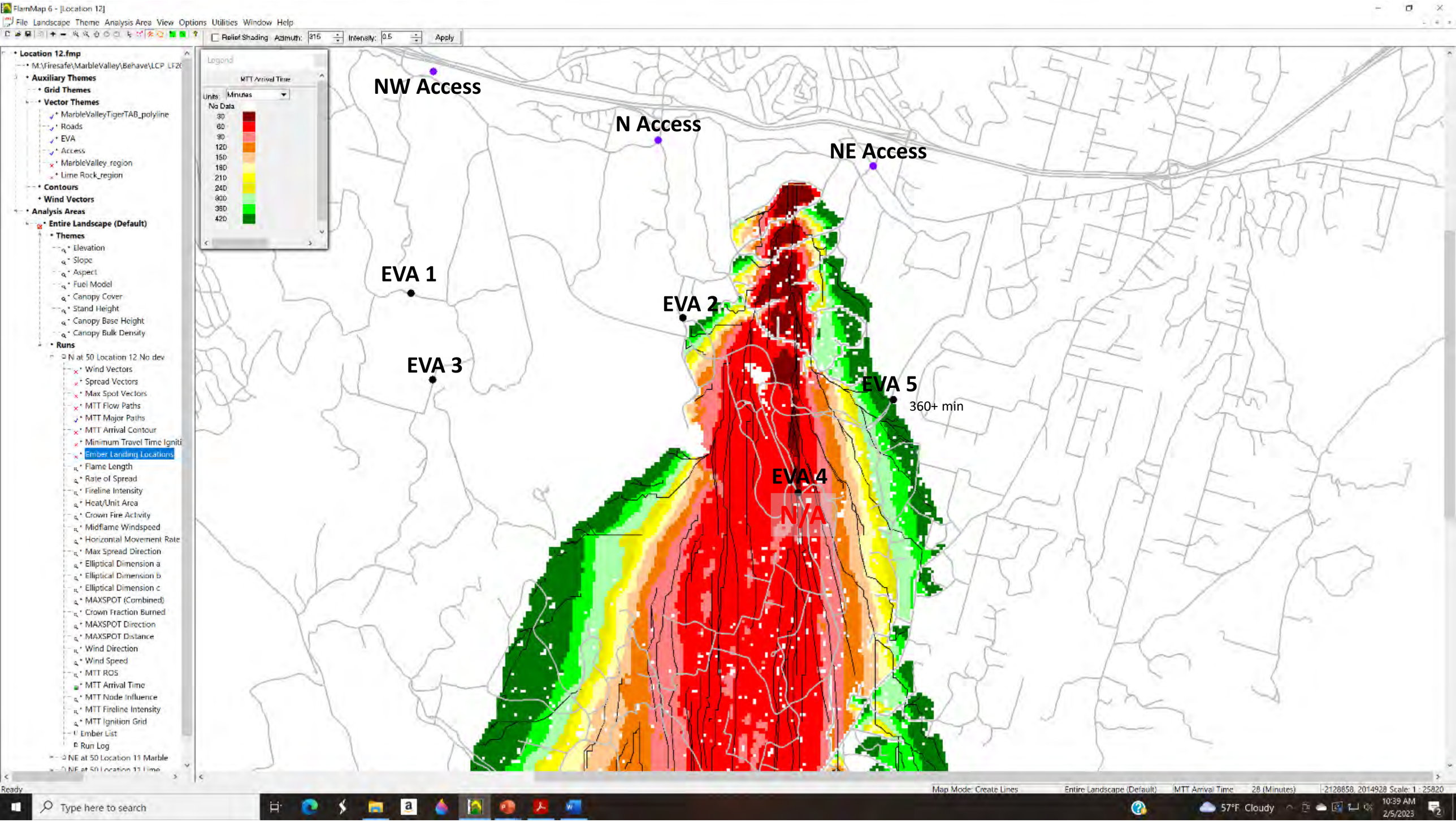
Location 11 NE wind at 50 mph Lime – Scn 11C



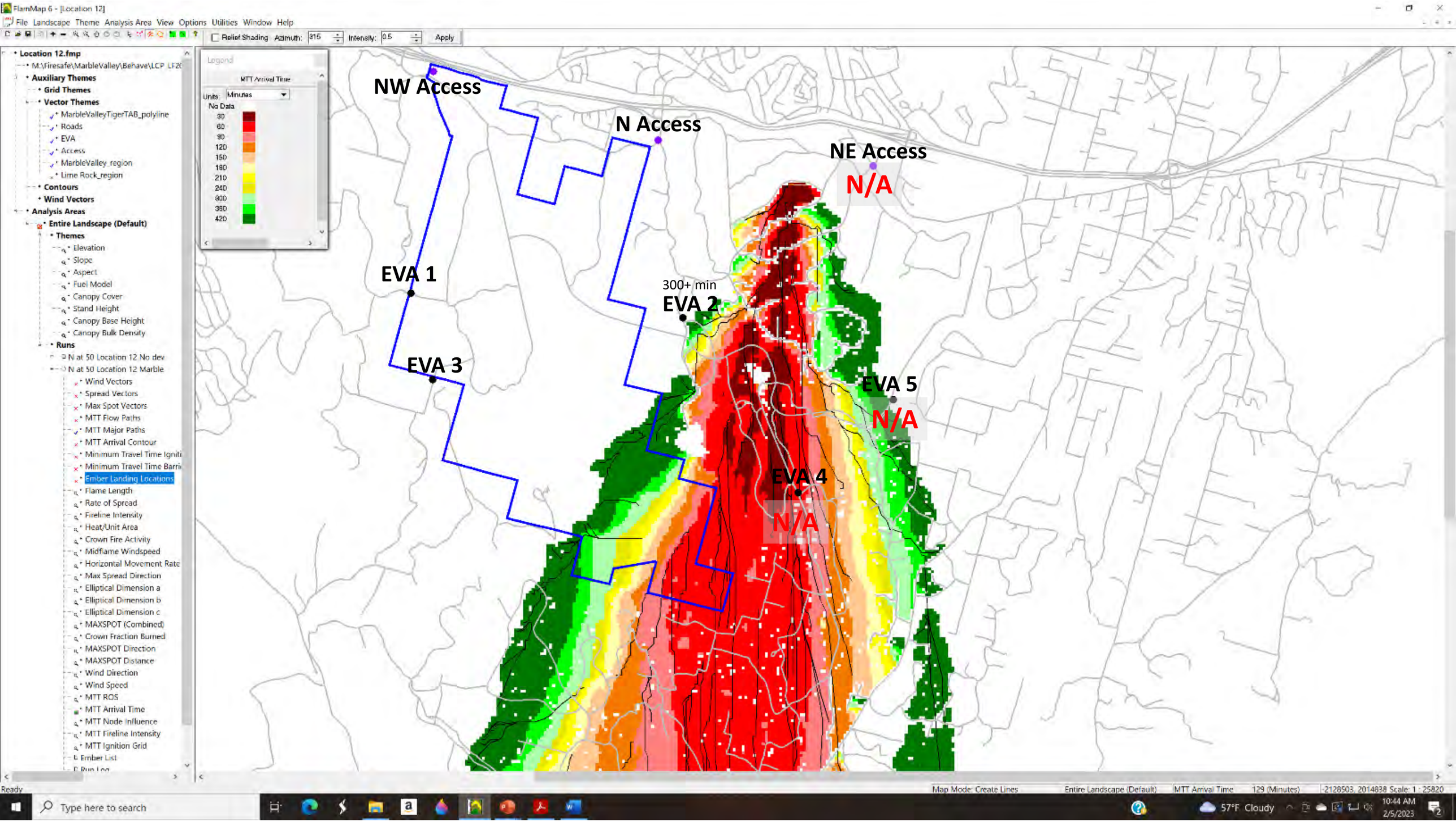
Location 11 NE wind at 50 mph Both – Scn 11D



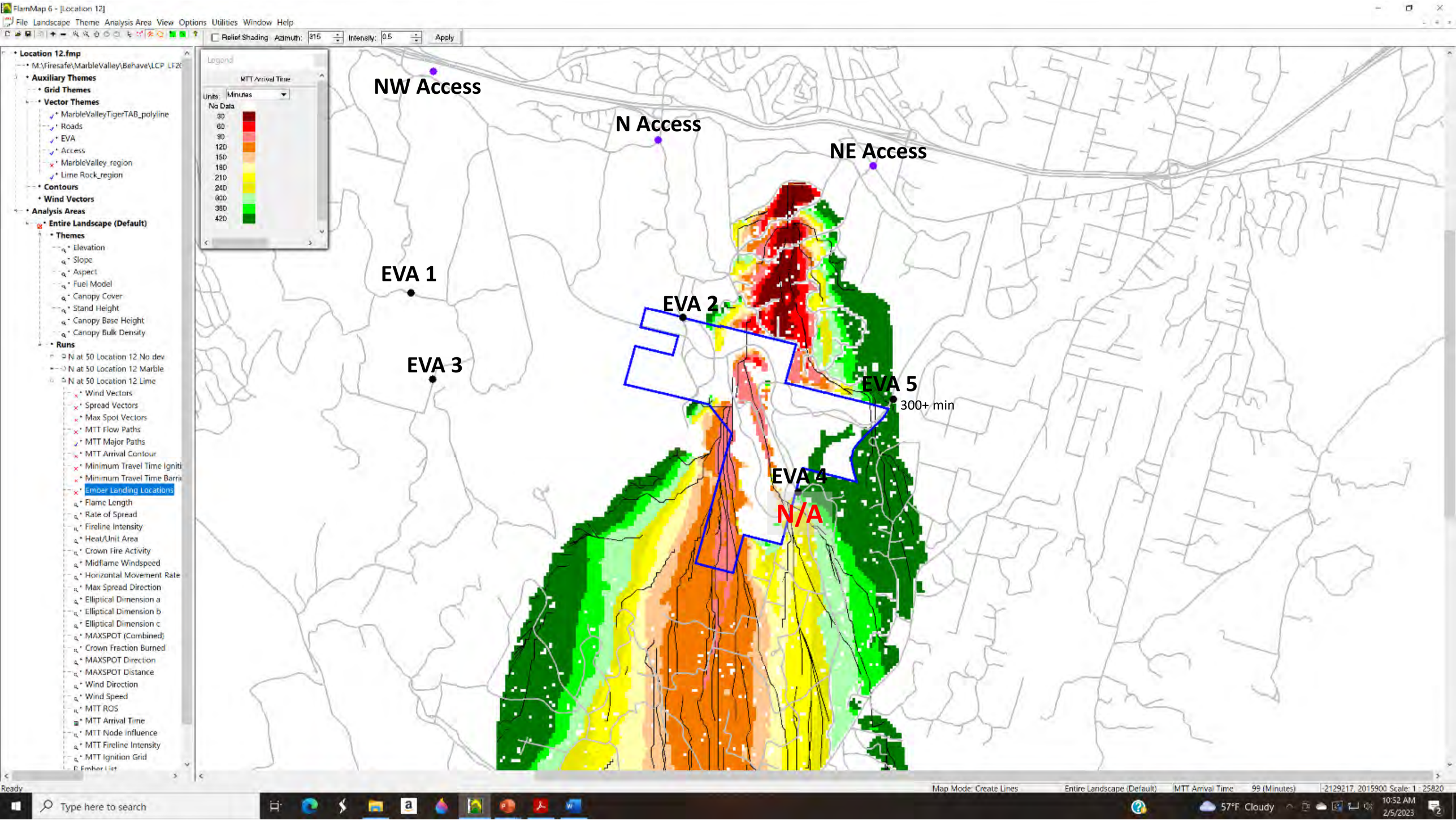
Location 12 N wind at 50 mph No Dev – Scn 12A



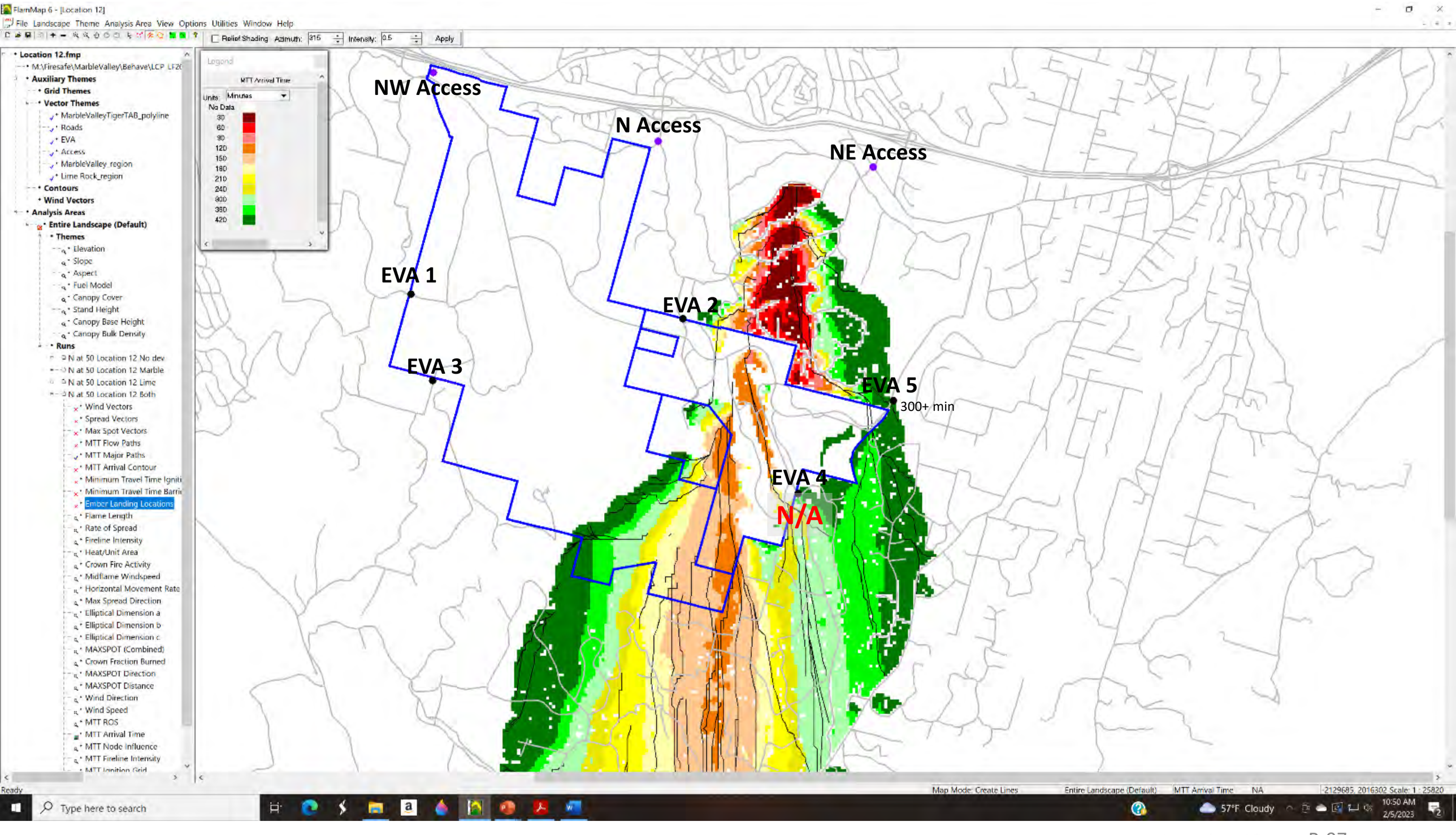
Location 12 N wind at 50 mph Marble – Scn 12B



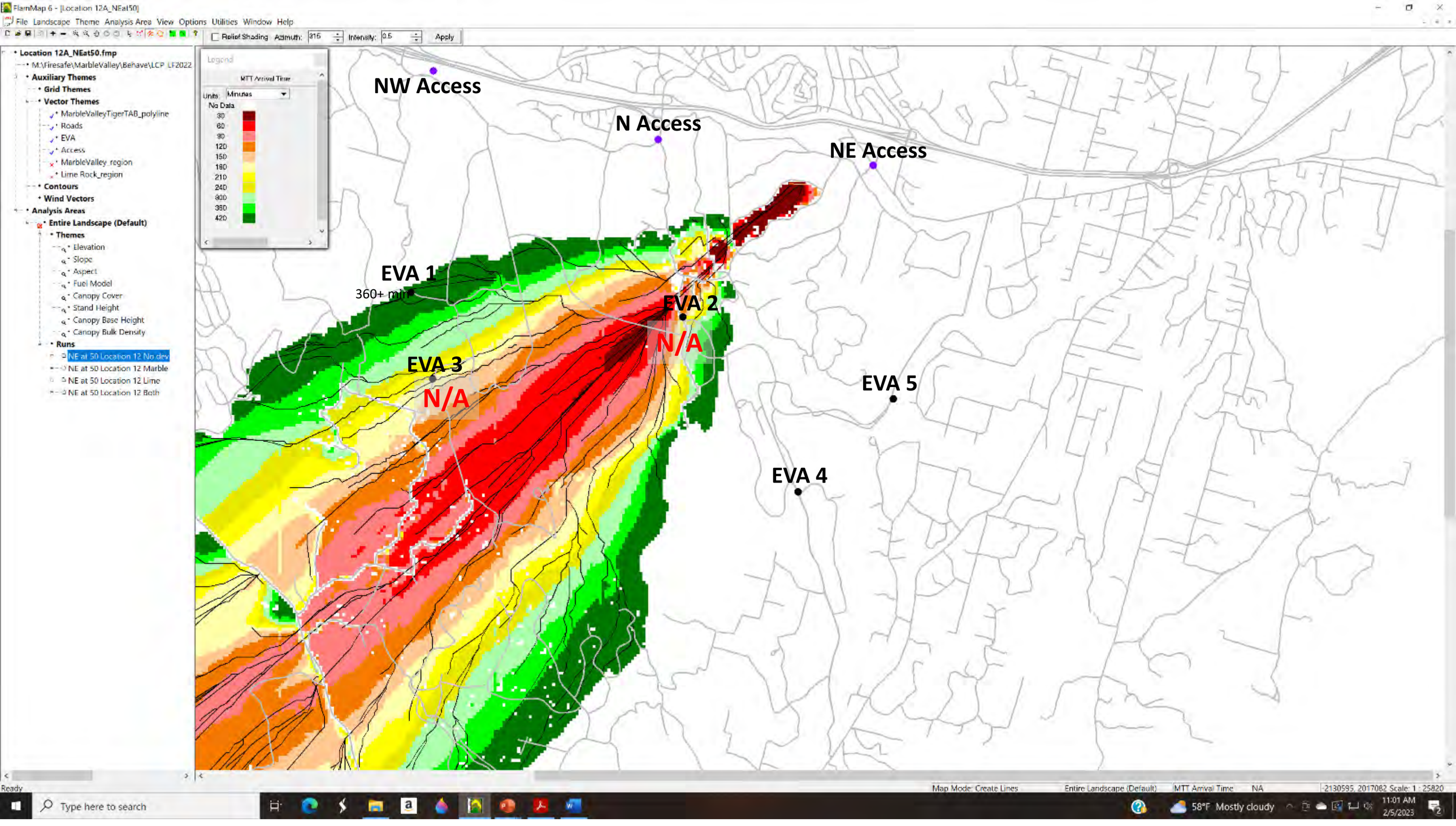
Location 12 N wind at 50 mph Lime – Scn 12C



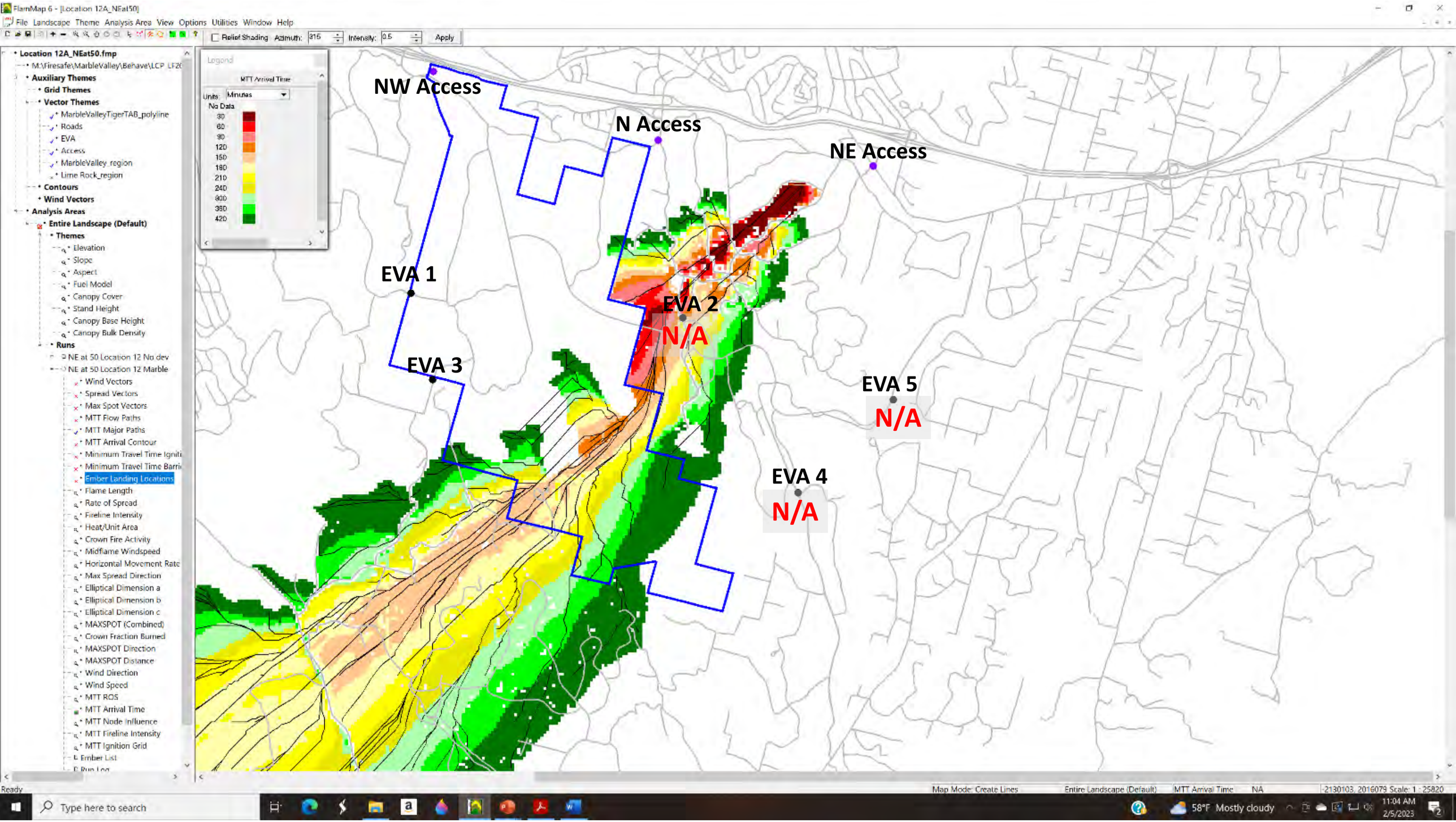
Location 12 N wind at 50 mph Both – Scn 12D



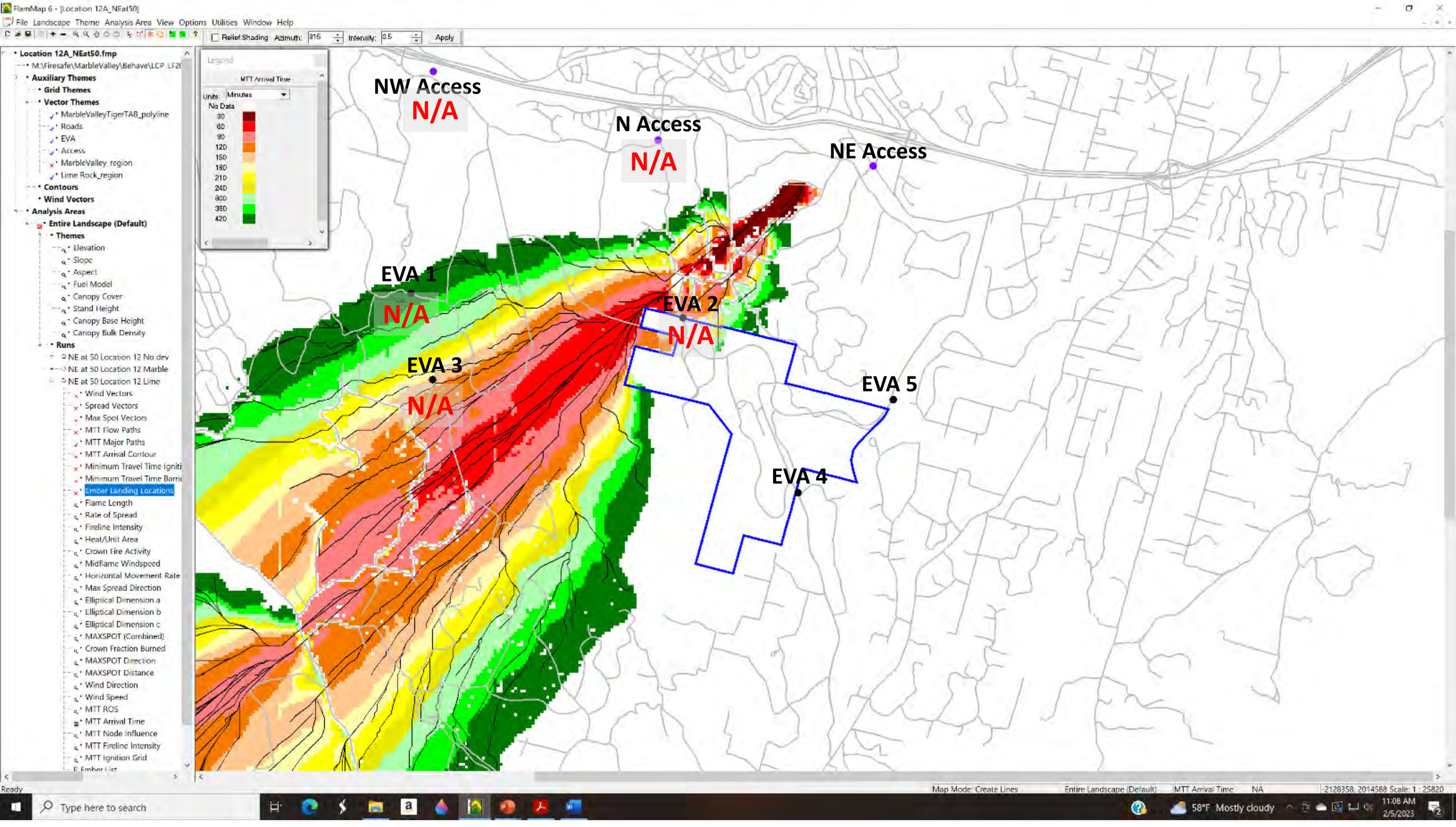
Location 12 NE wind at 50 mph No Dev – Scn 12E



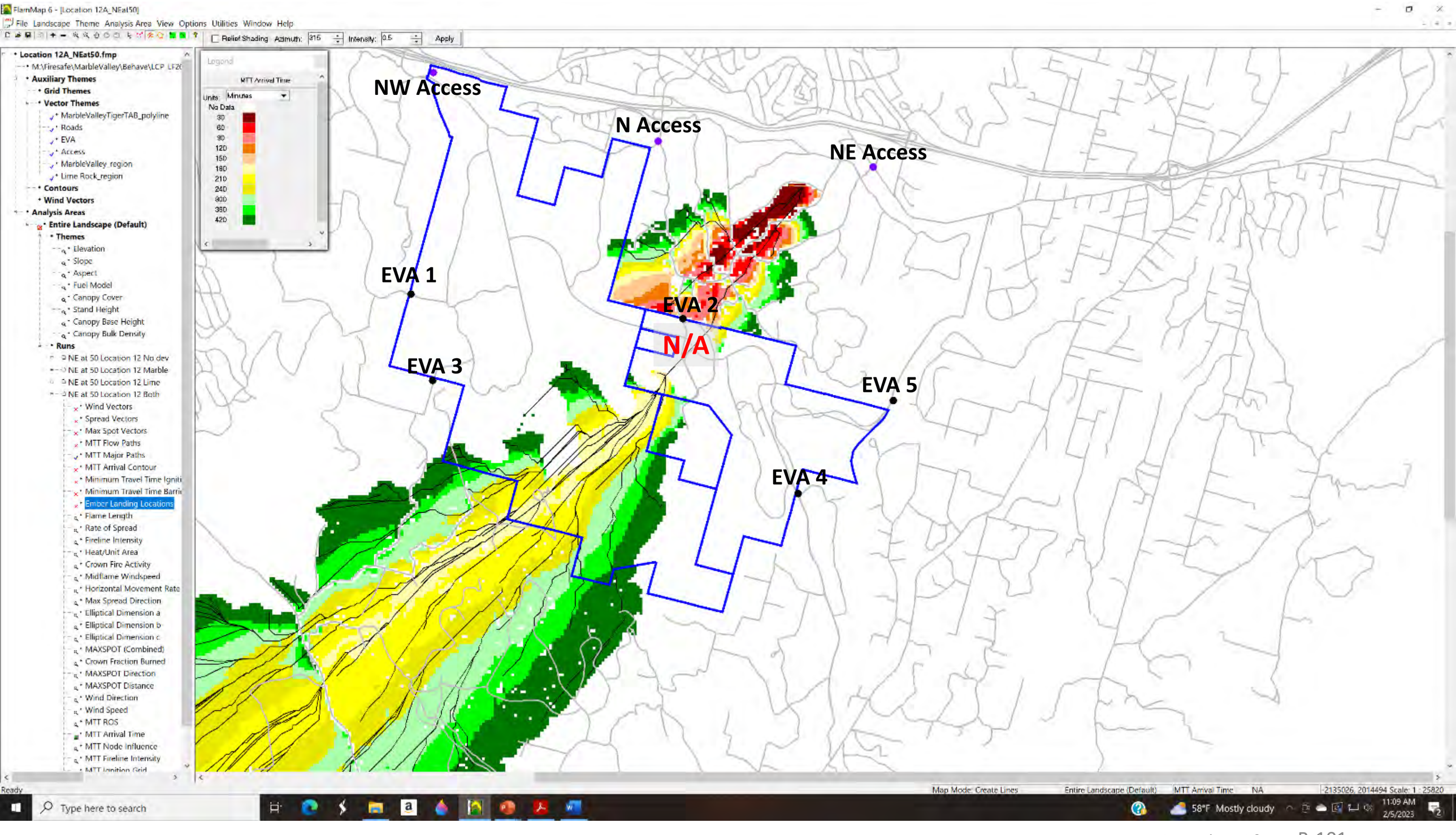
Location 12 NE wind at 50 mph Marble – Scn 12F



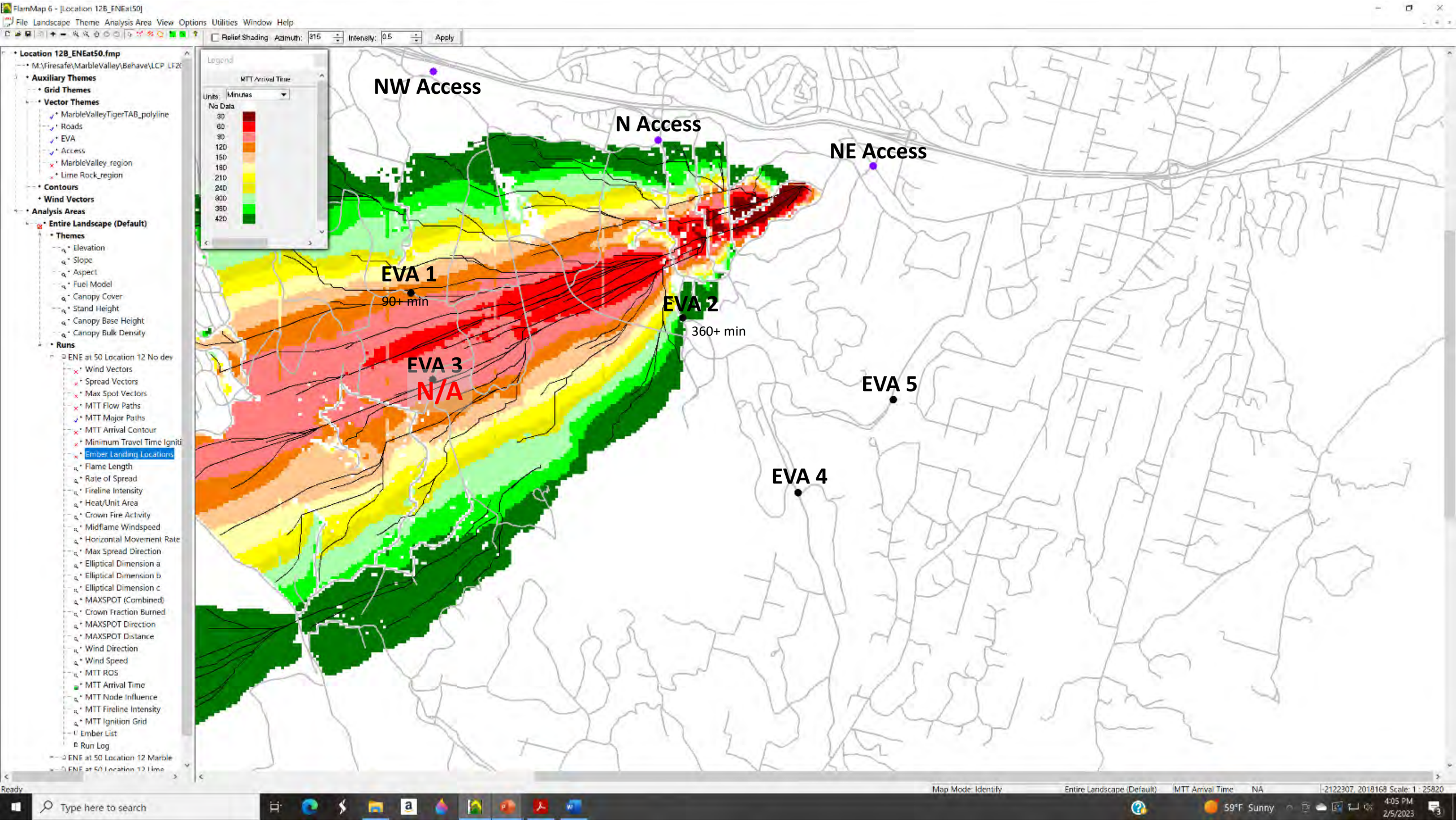
Location 12 NE wind at 50 mph Lime – Scn 12G



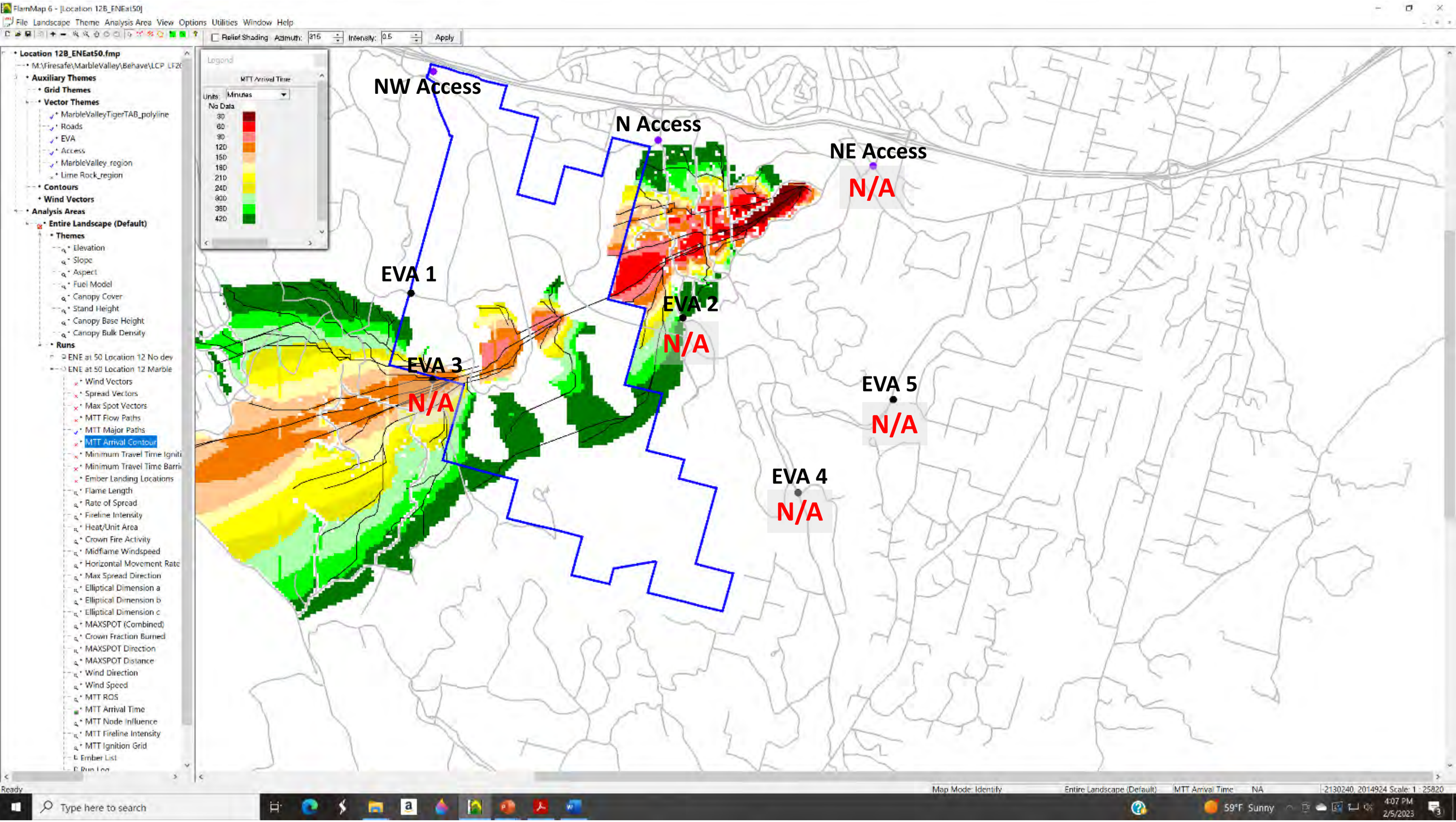
Location 12 NE wind at 50 mph Both – Scn 12H



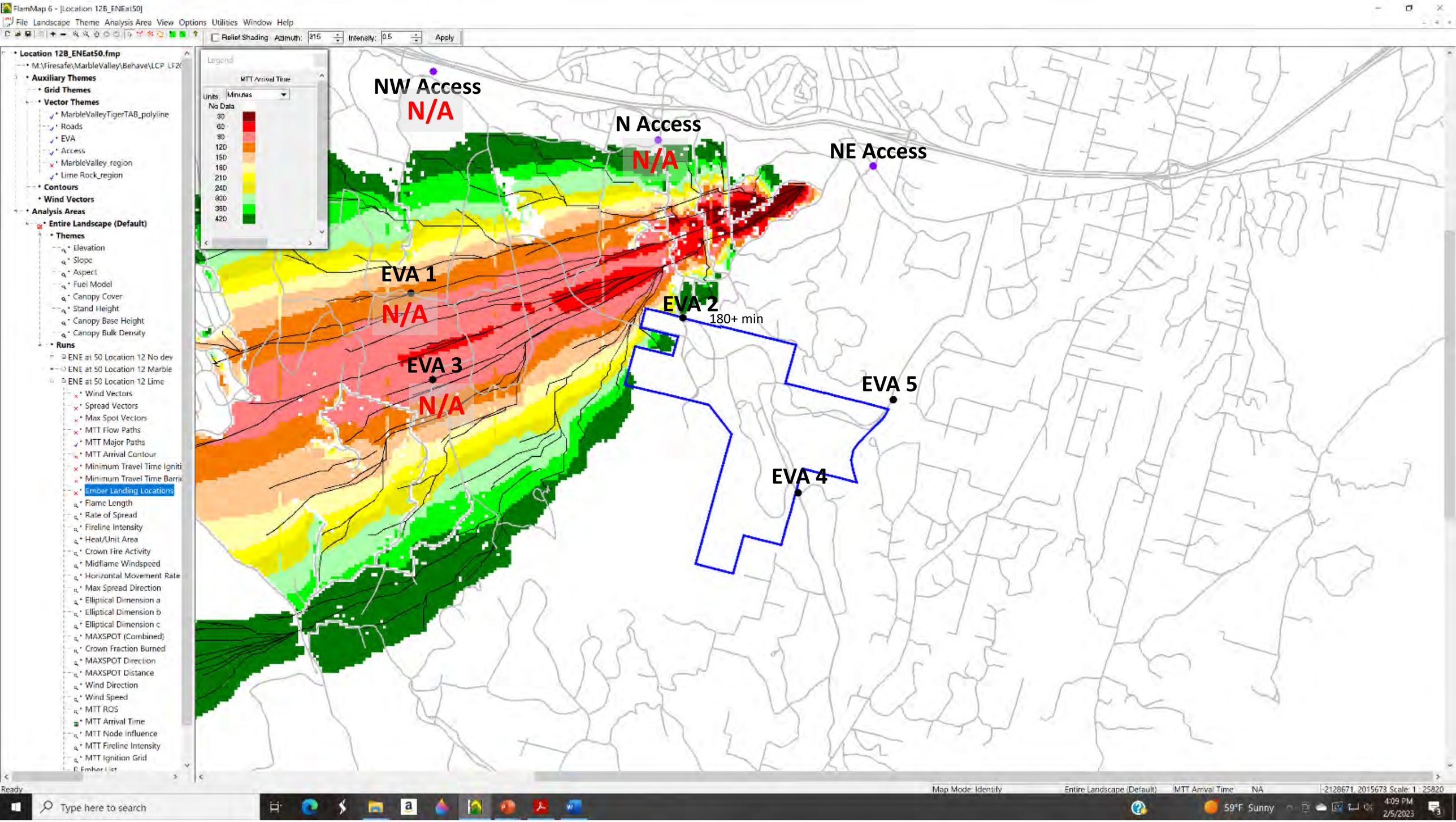
Location 12 ENE wind at 50 mph No Dev – Scn 12I



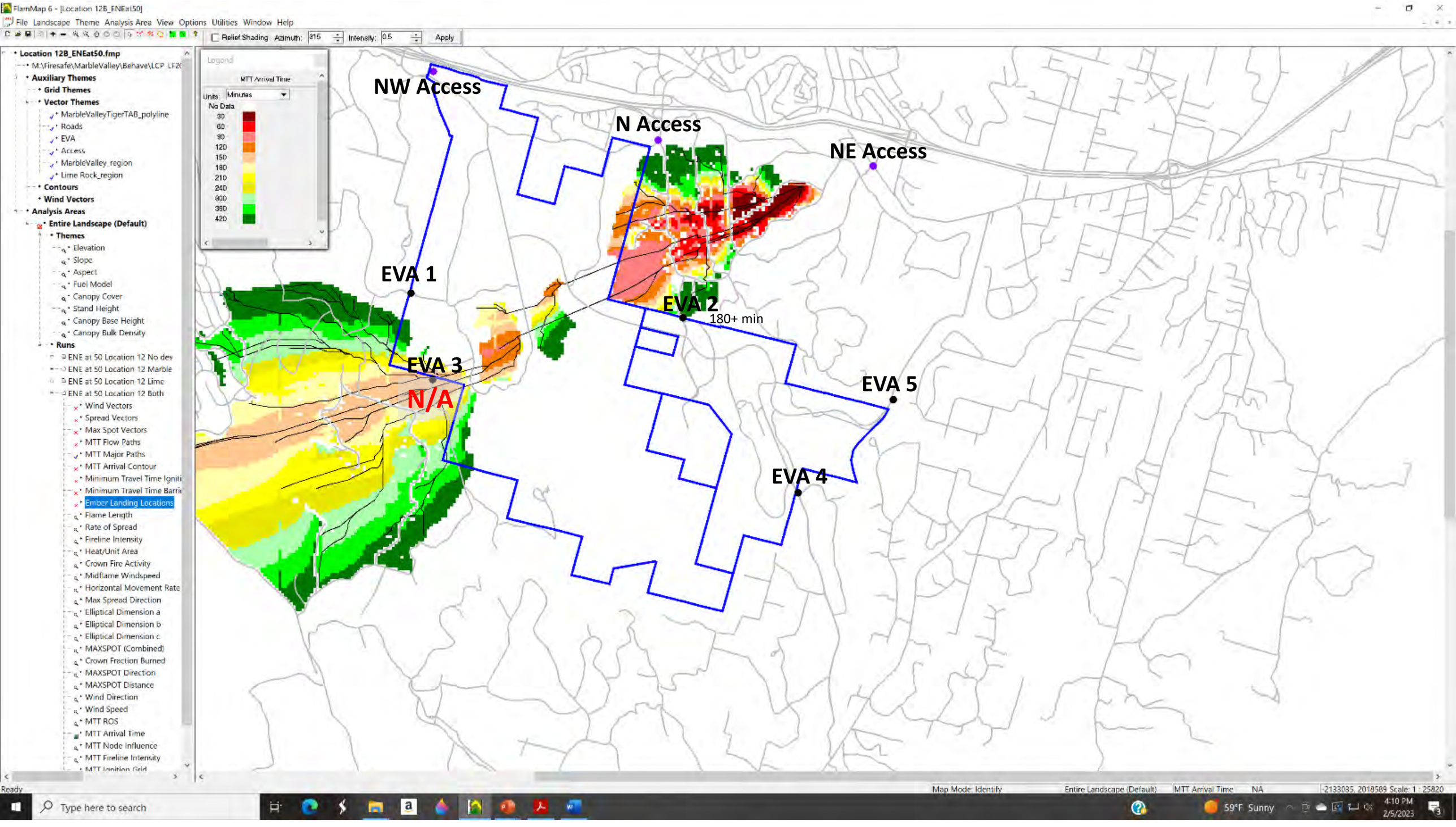
Location 12 ENE wind at 50 mph Marble– Scn 12J



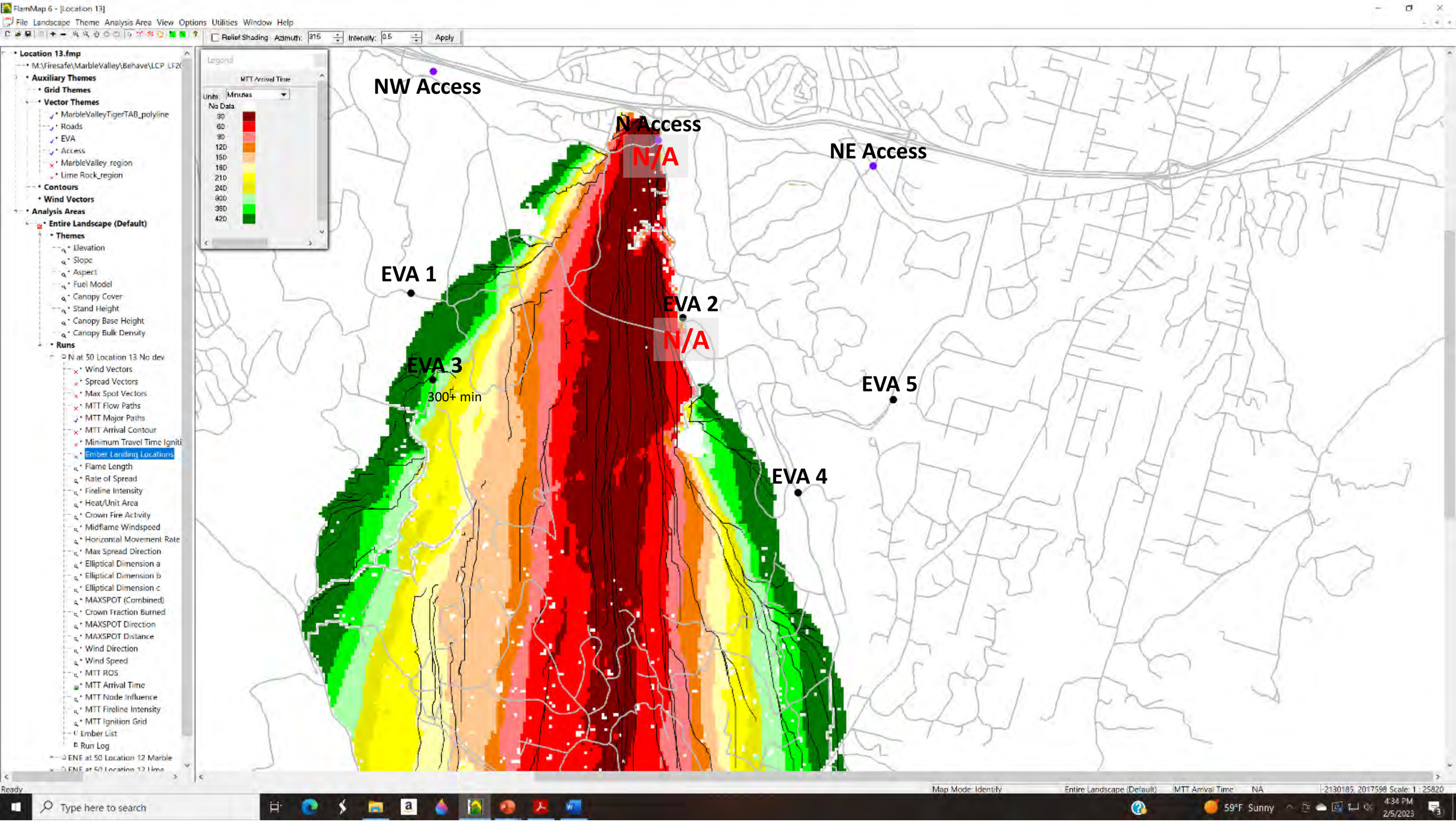
Location 12 ENE wind at 50 mph Lime– Scn 12K



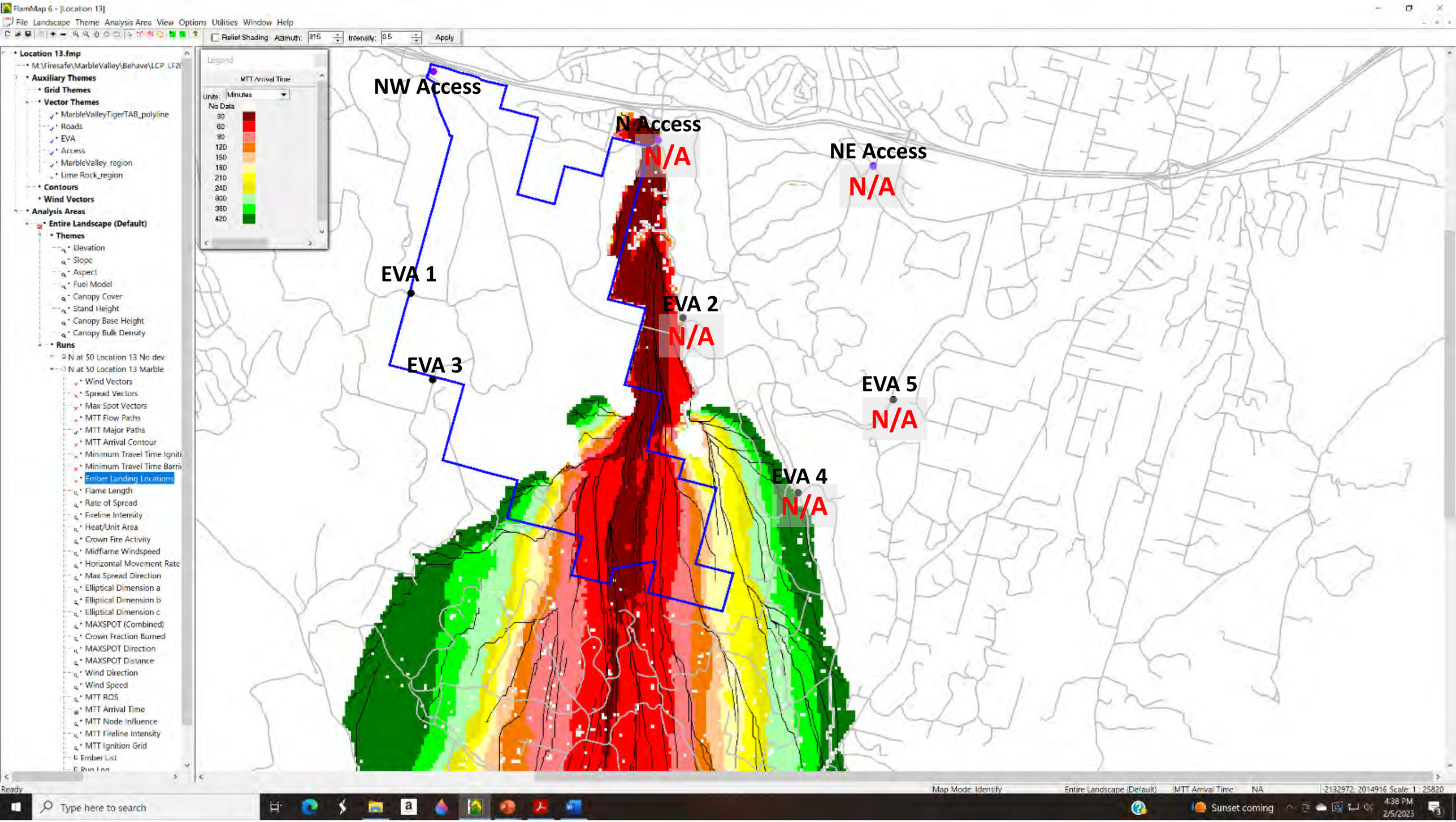
Location 12 ENE wind at 50 mph Both– Scn 12L



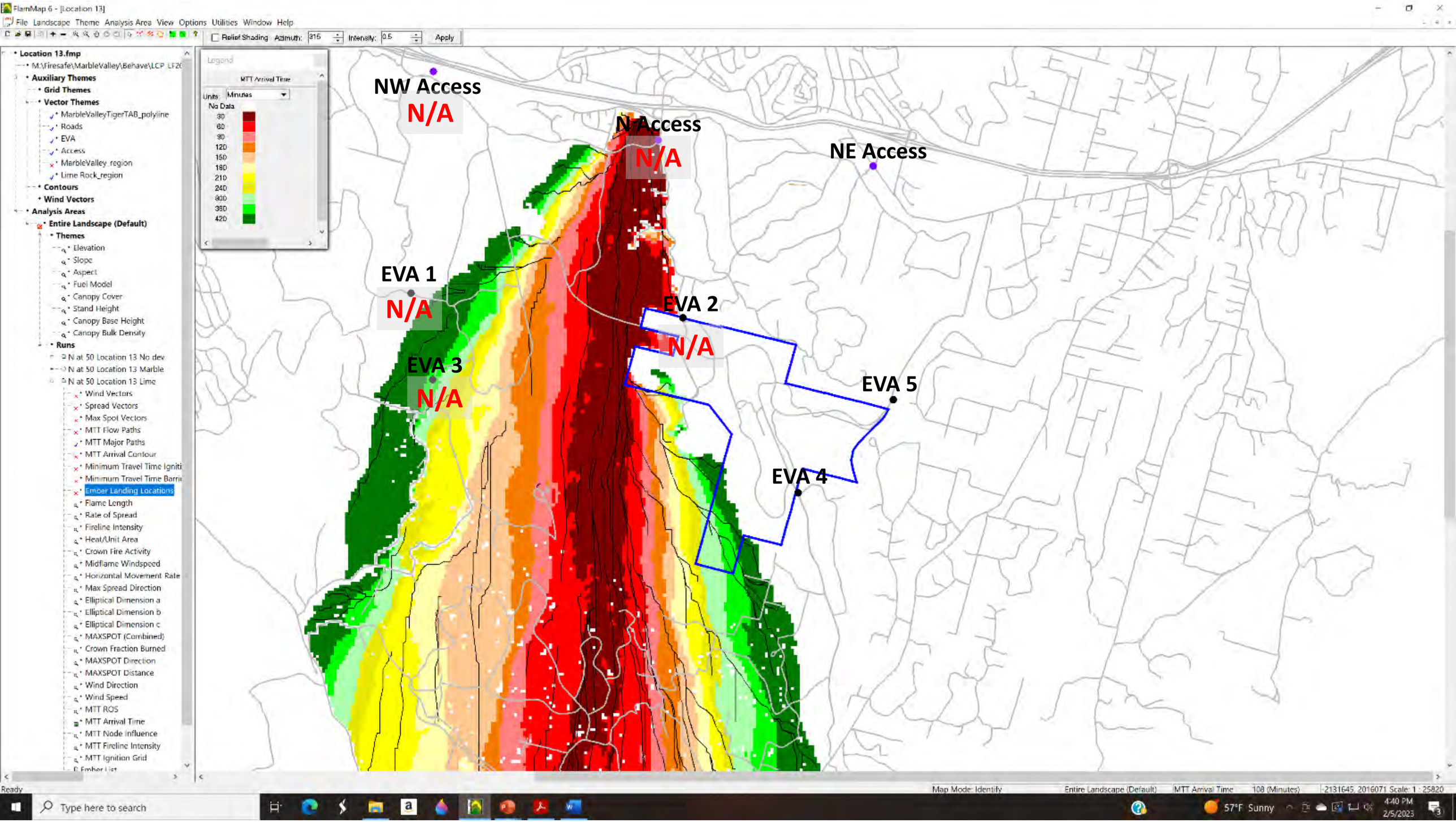
Location 13 N wind at 50 mph No Dev – Scn 13A



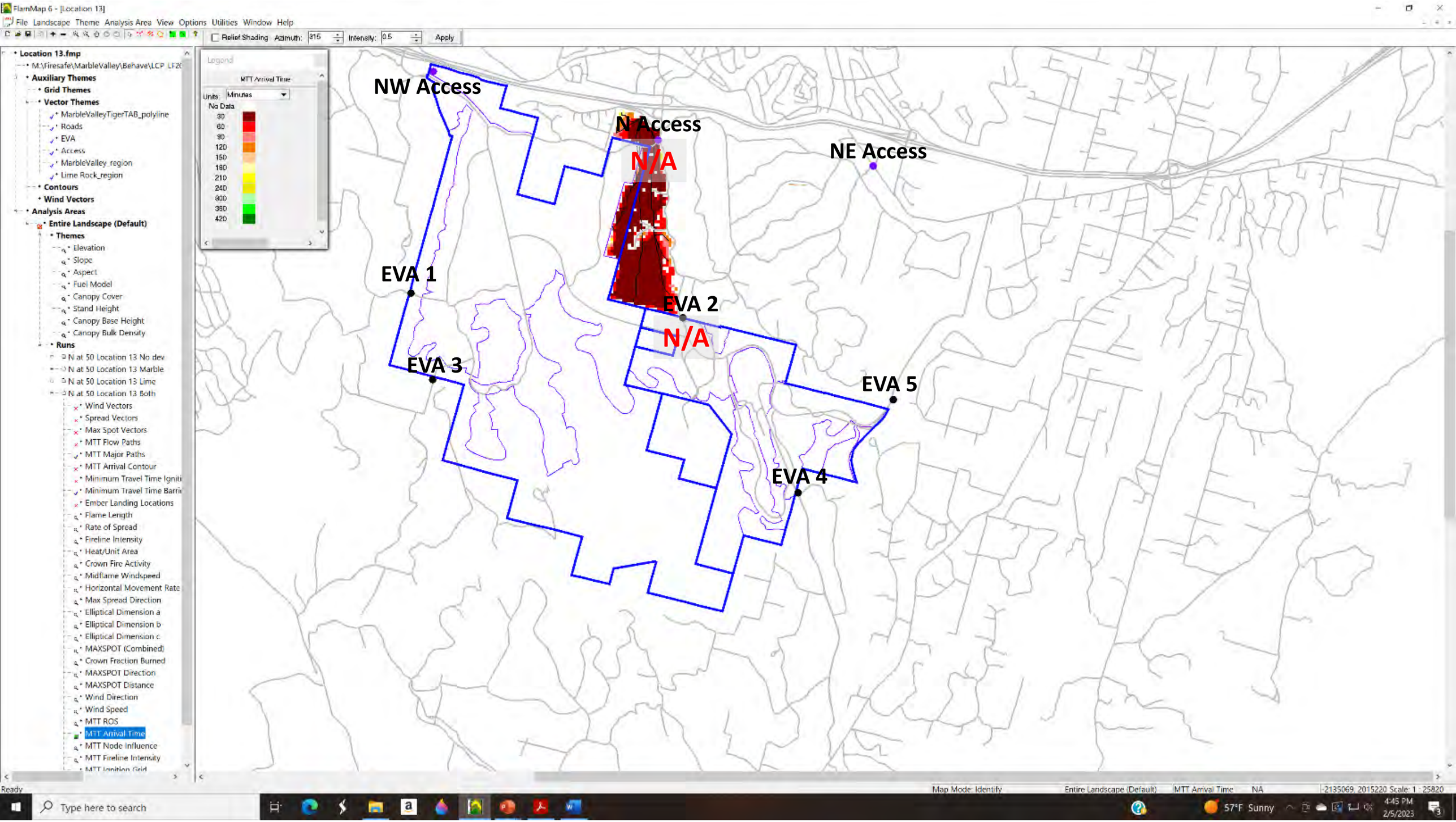
Location 13 N wind at 50 mph Marble – Scn 13B



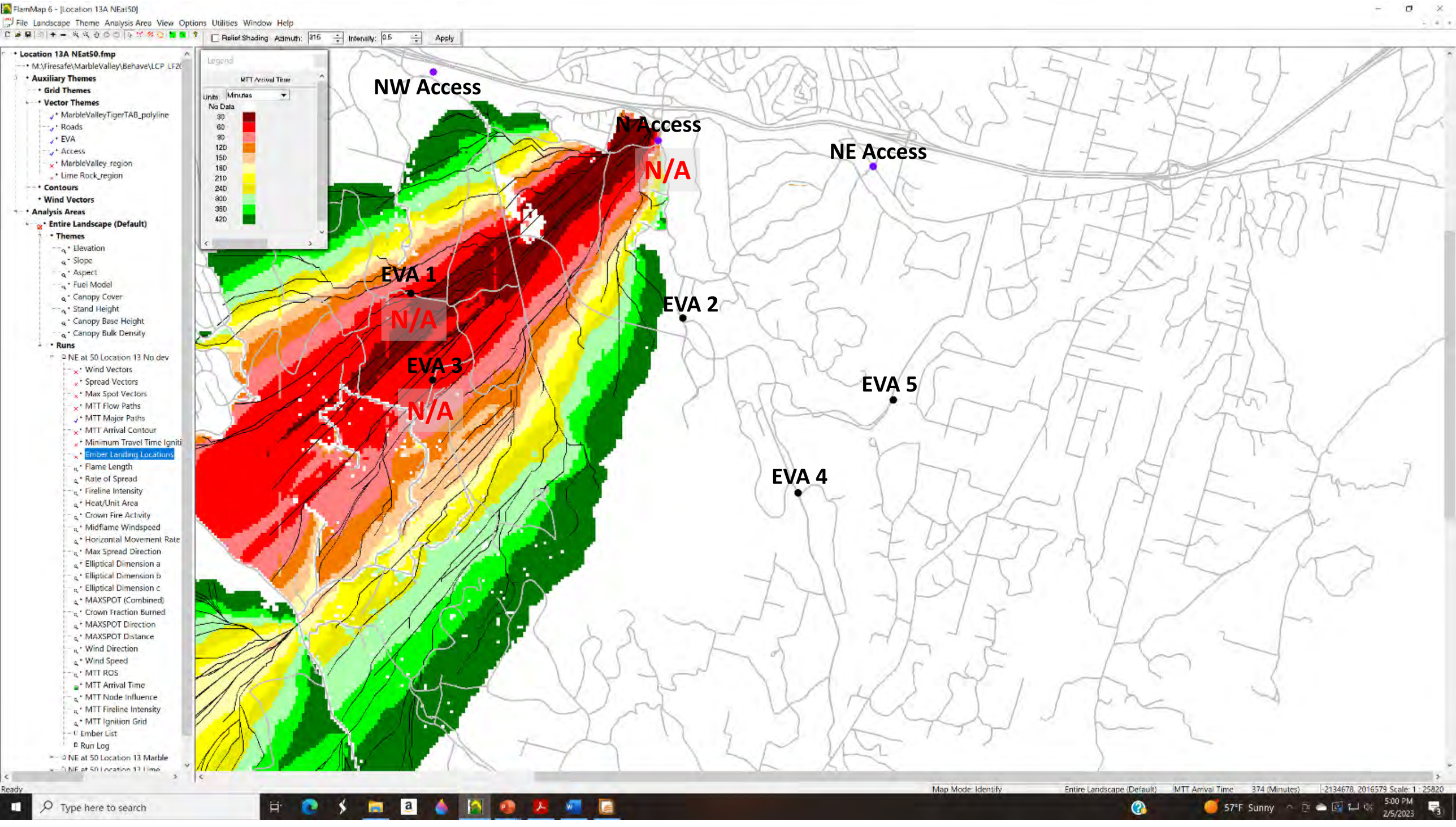
Location 13 N wind at 50 mph Lime – Scn 13C



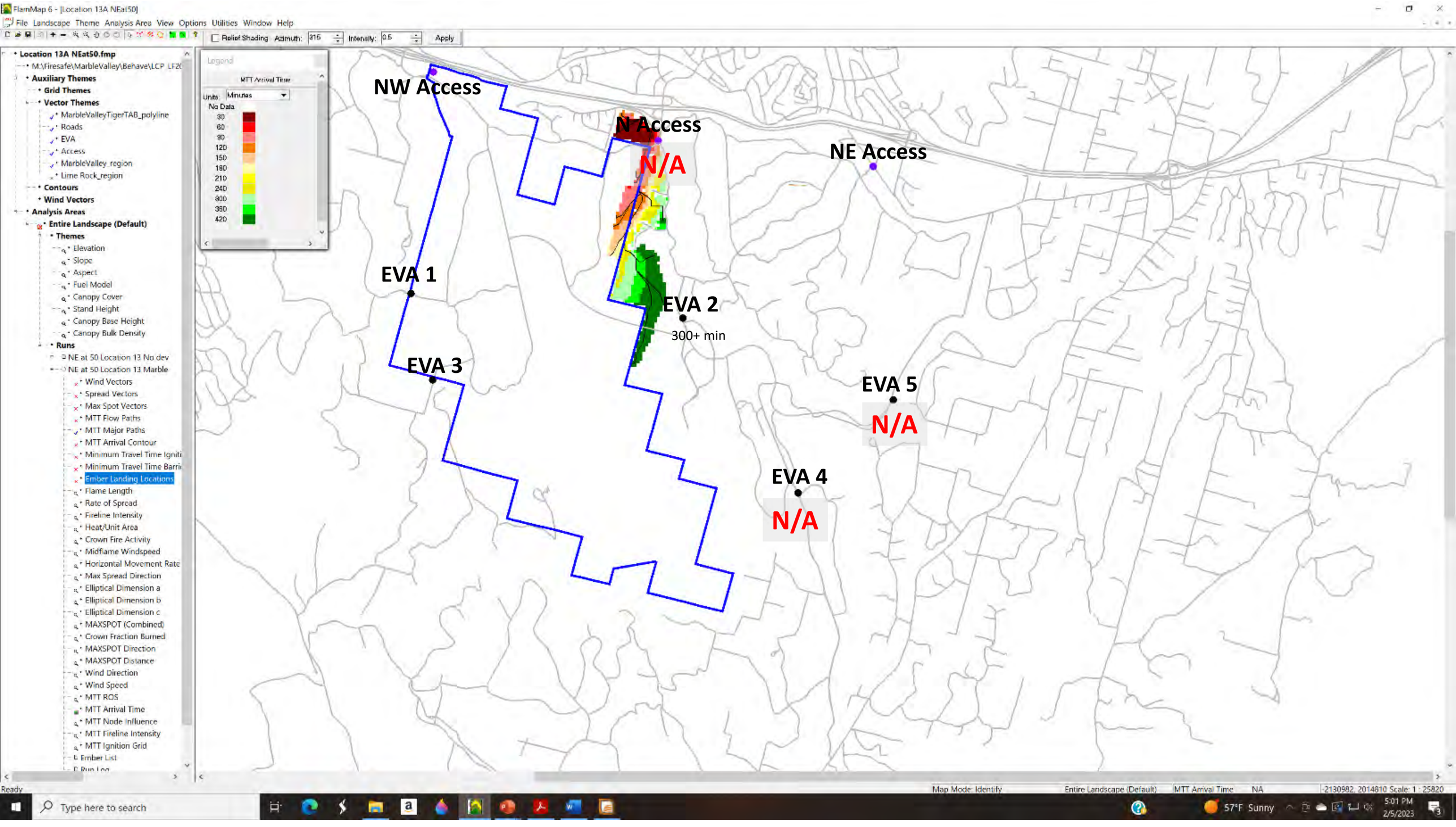
Location 13 N wind at 50 mph Both– Scn 13D



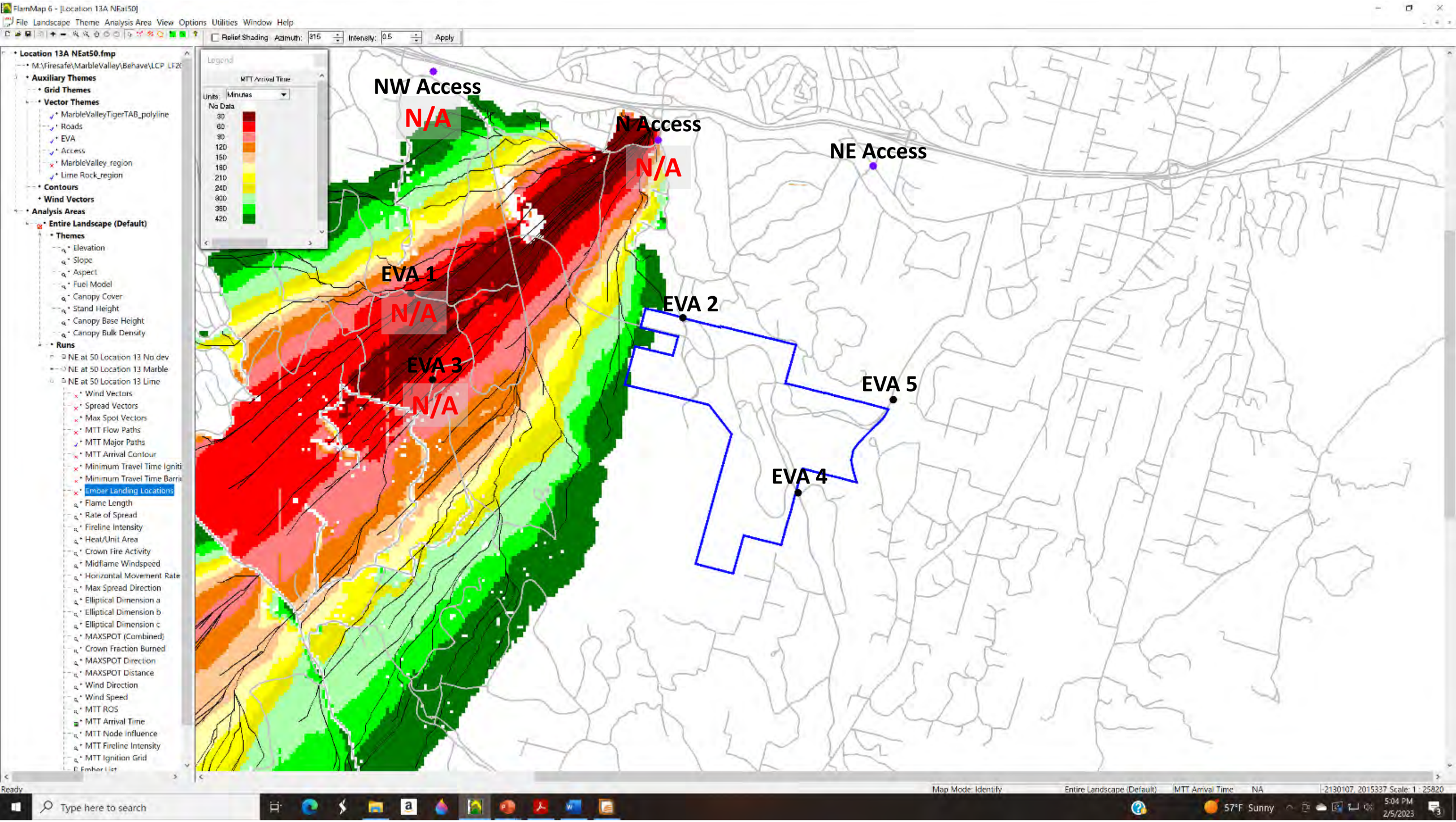
Location 13 NE wind at 50 mph No Dev – Scn 13E



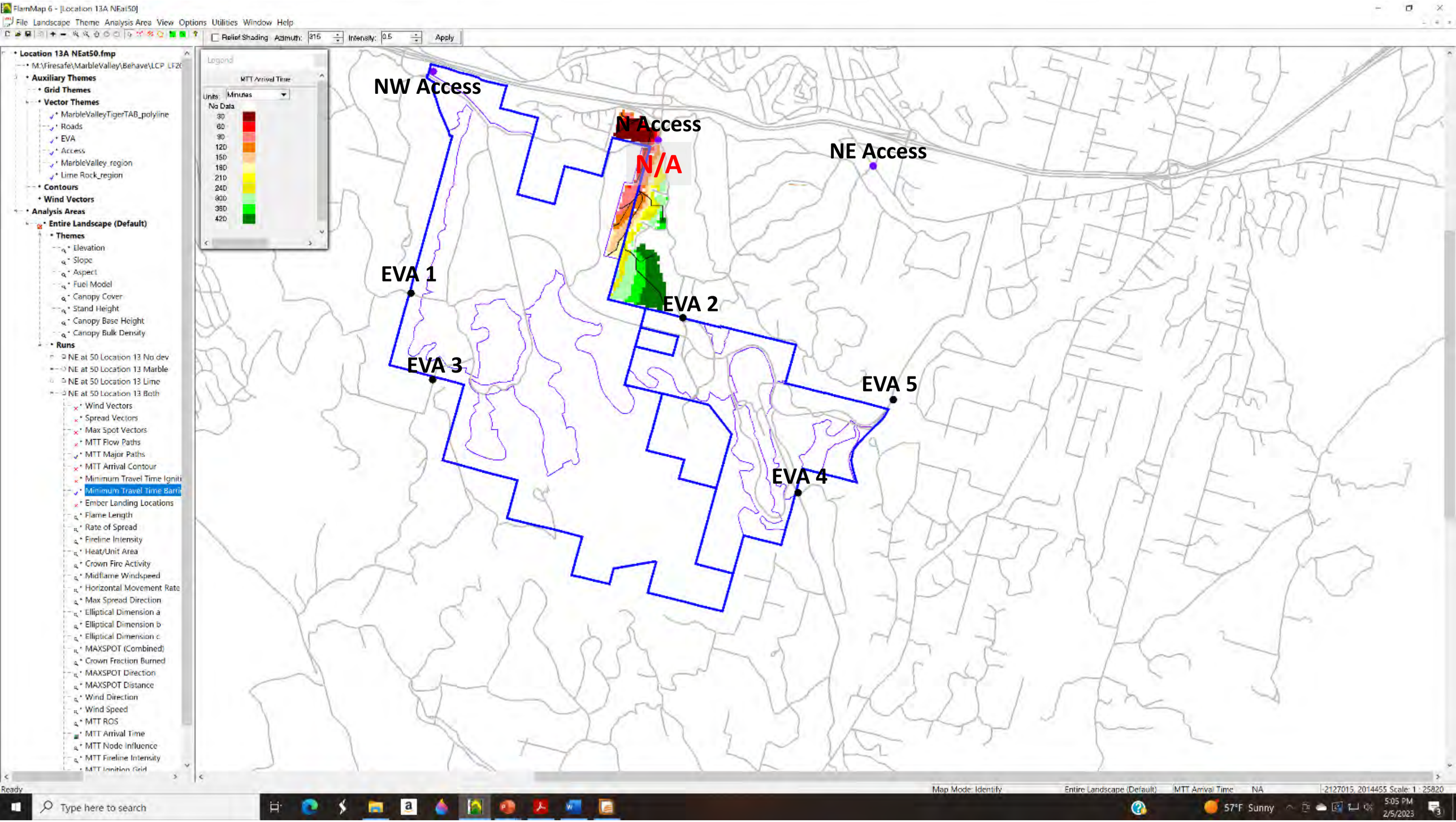
Location 13 NE wind at 50 mph Marble – Scn 13F



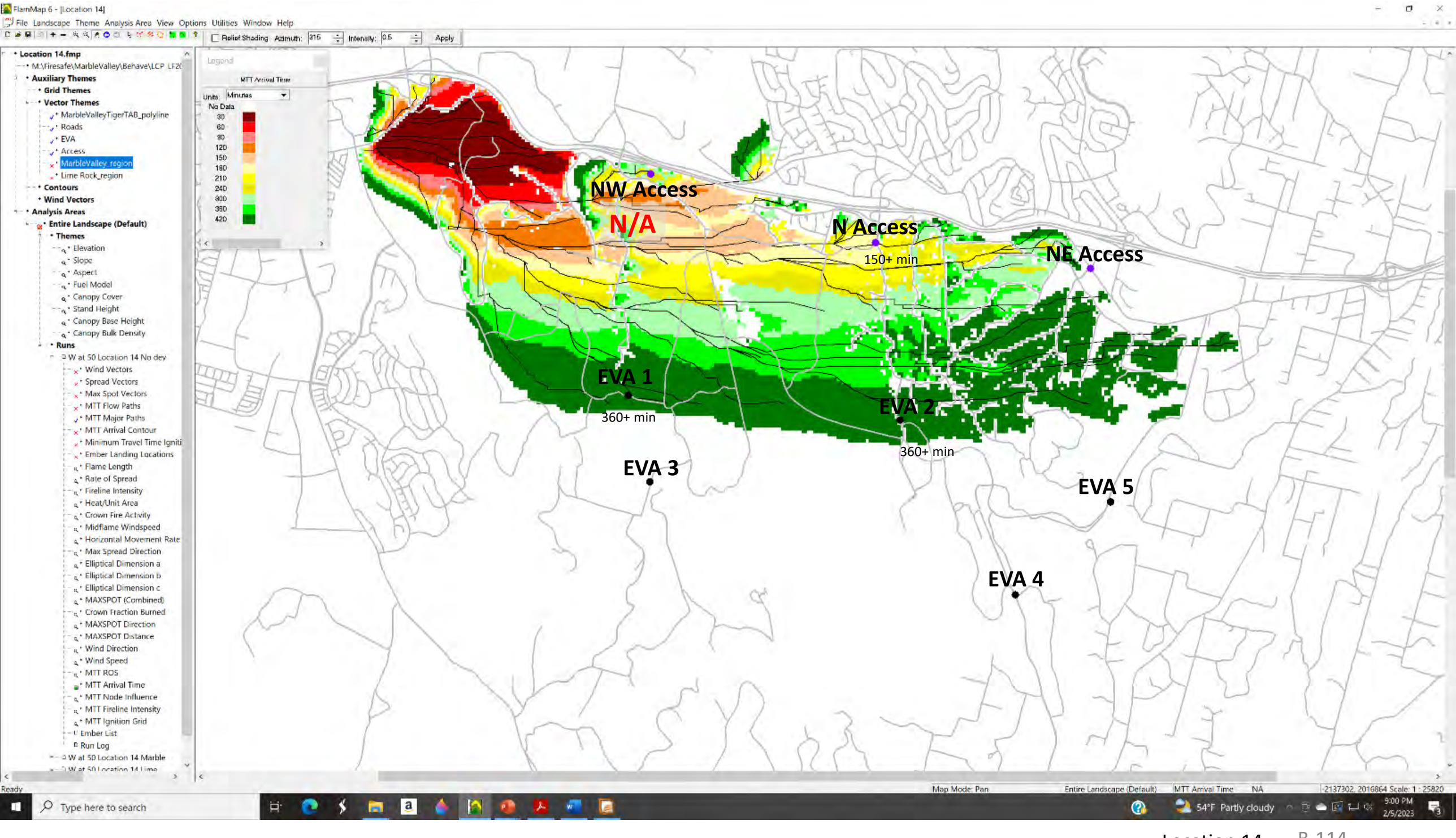
Location 13 NE wind at 50 mph Lime – Scn 13G



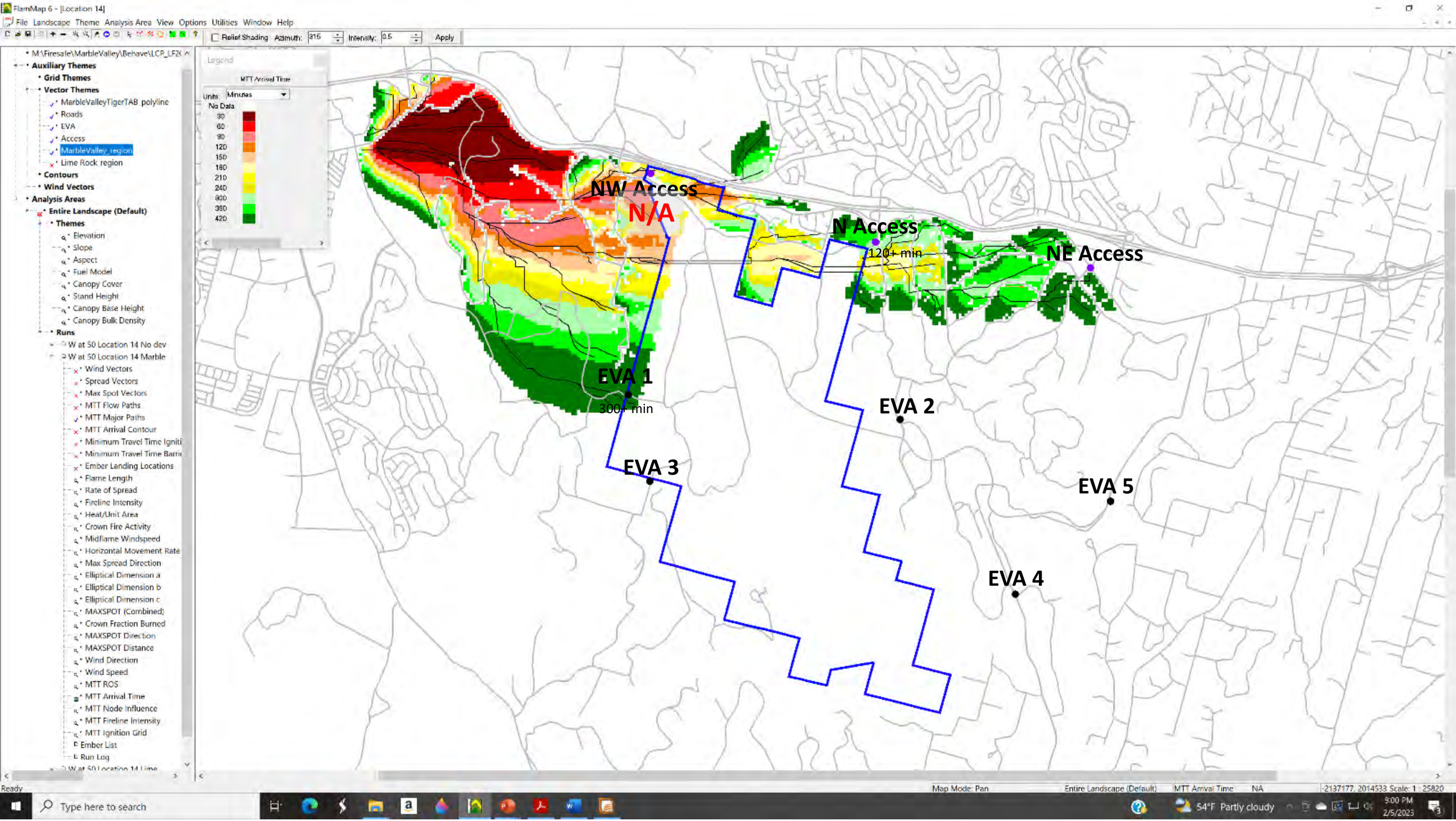
Location 13 NE wind at 50 mph Both – Scn 13H



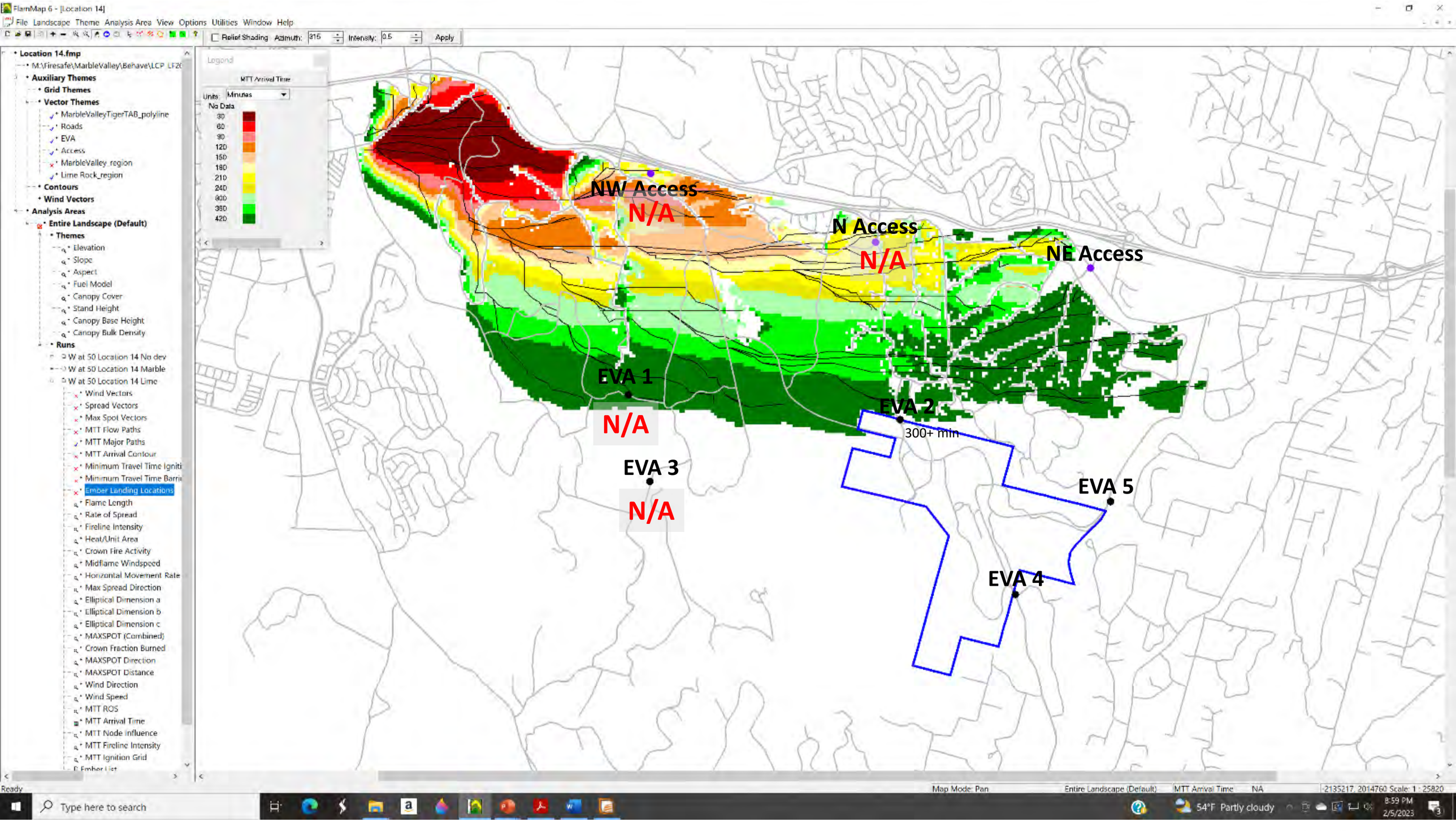
Location 14 W wind at 50 mph No Dev – Scn 14A



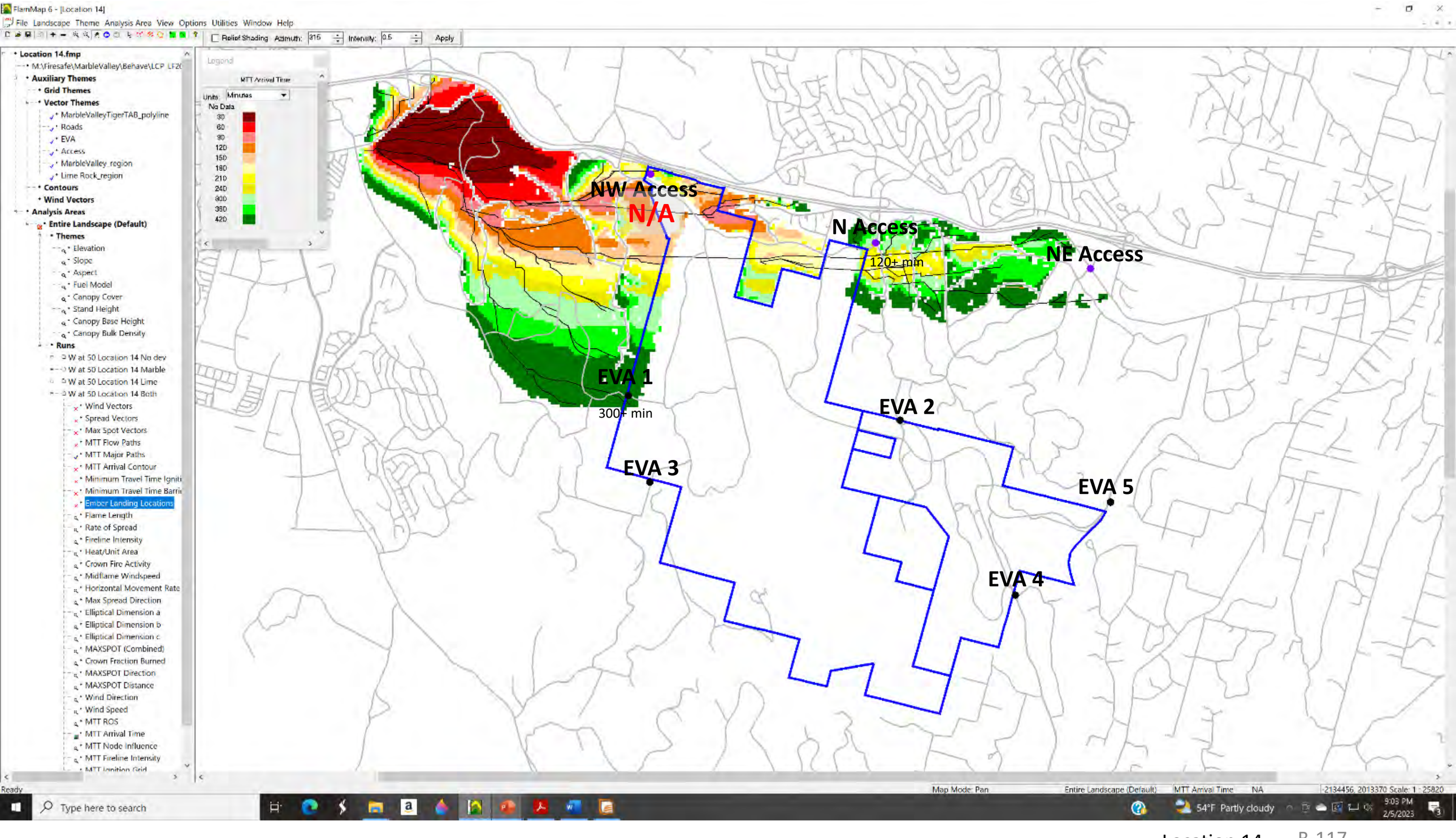
Location 14 W wind at 50 mph Marble – Scn 14B



Location 14 W wind at 50 mph Lime – Scn 14C

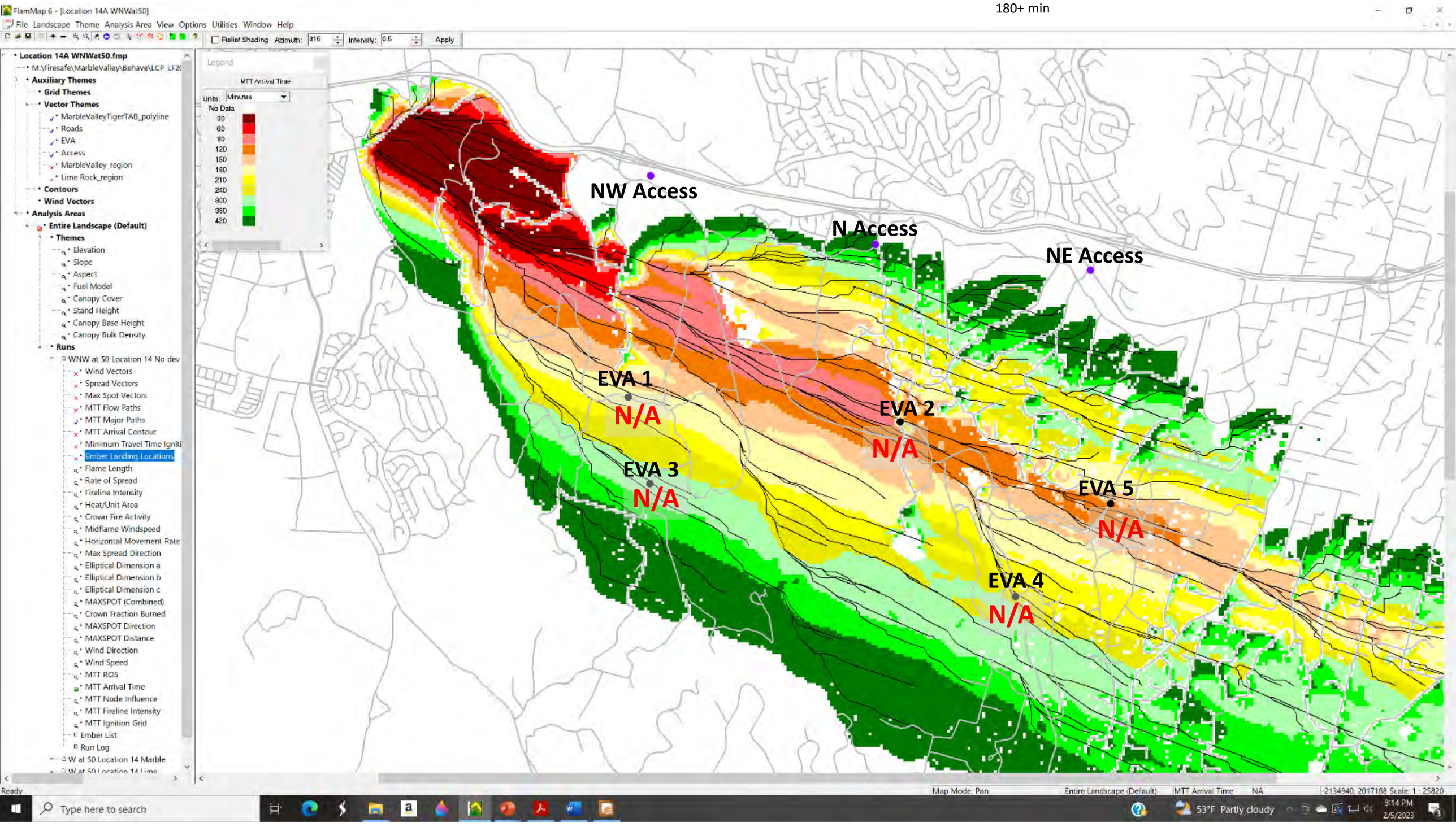


Location 14 W wind at 50 mph Both – Scn 14D

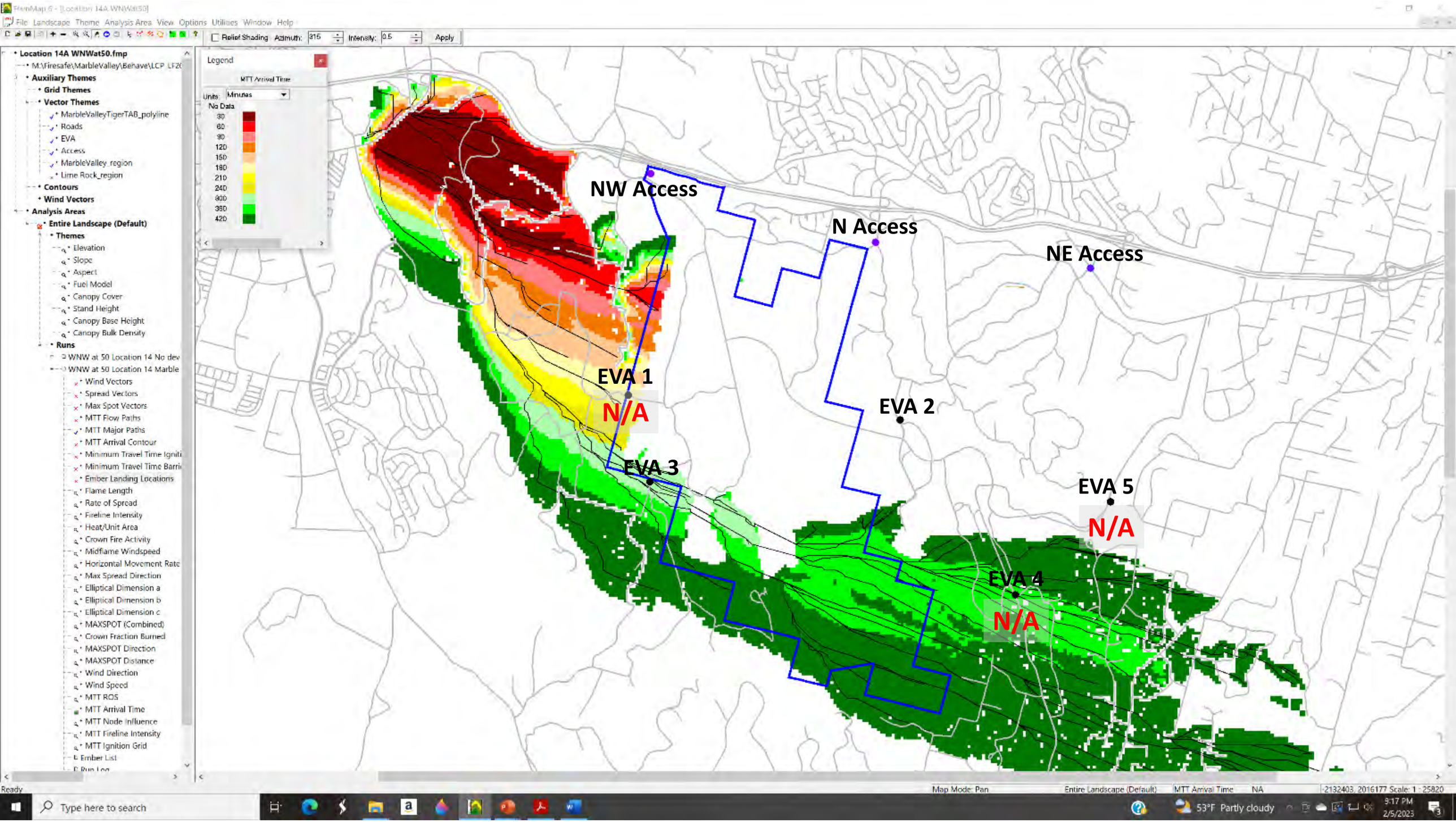


Location 14 WNW wind at 50 mph No Dev – Scn 14E

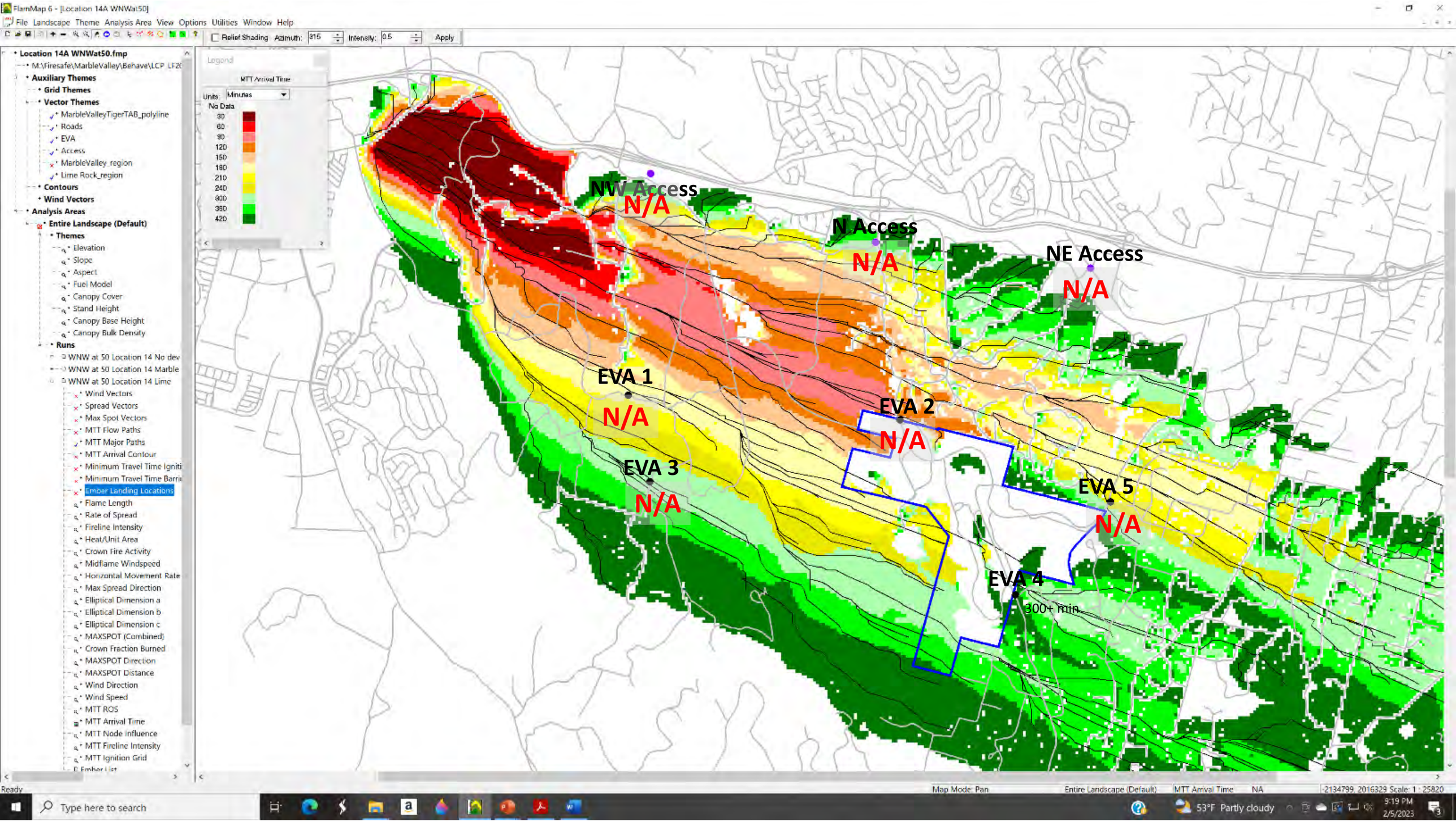
180+ min



Location 14 WNW wind at 50 mph Marble – Scn 14F

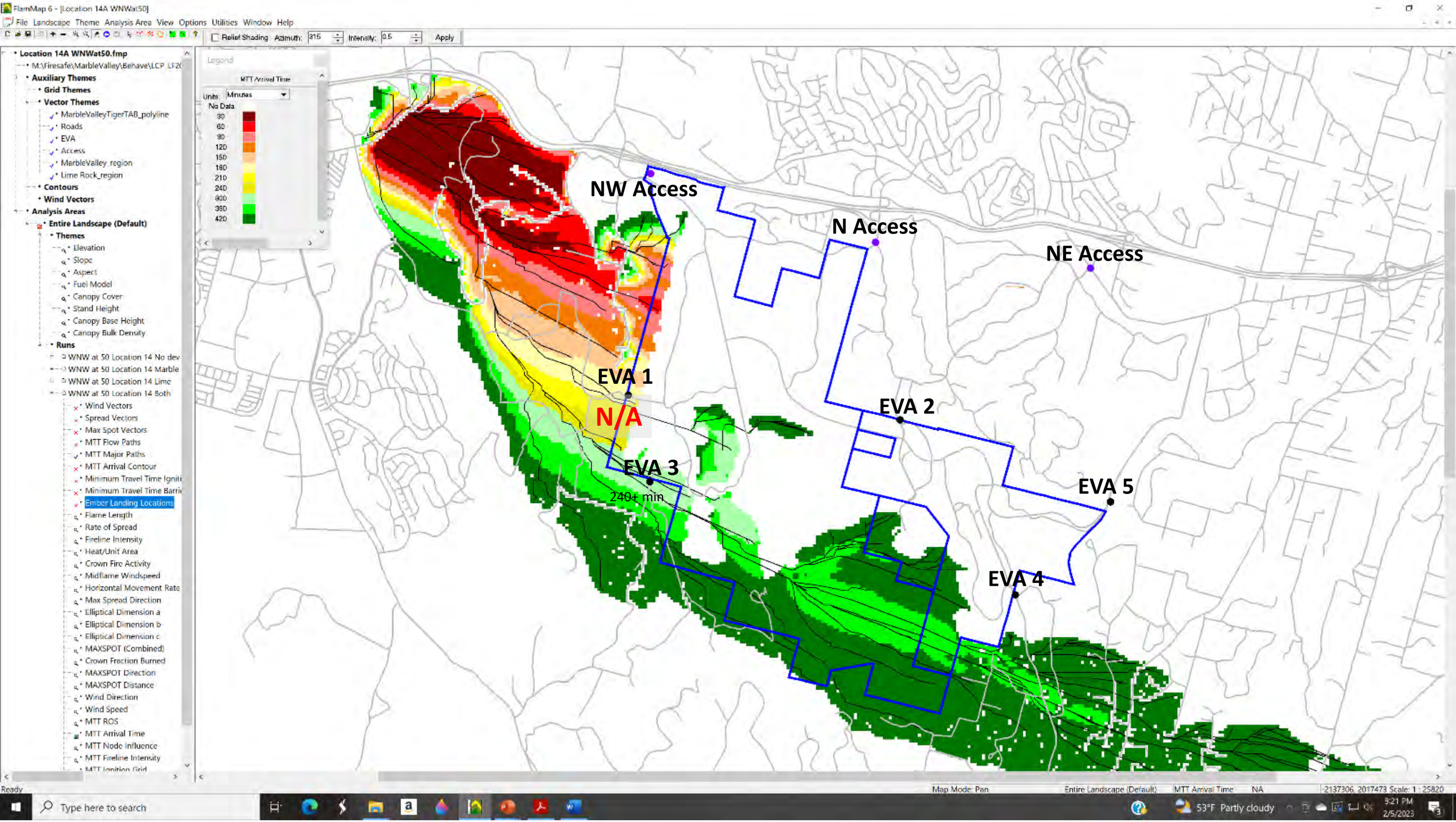


Location 14 WNW wind at 50 mph Lime – Scn 14G

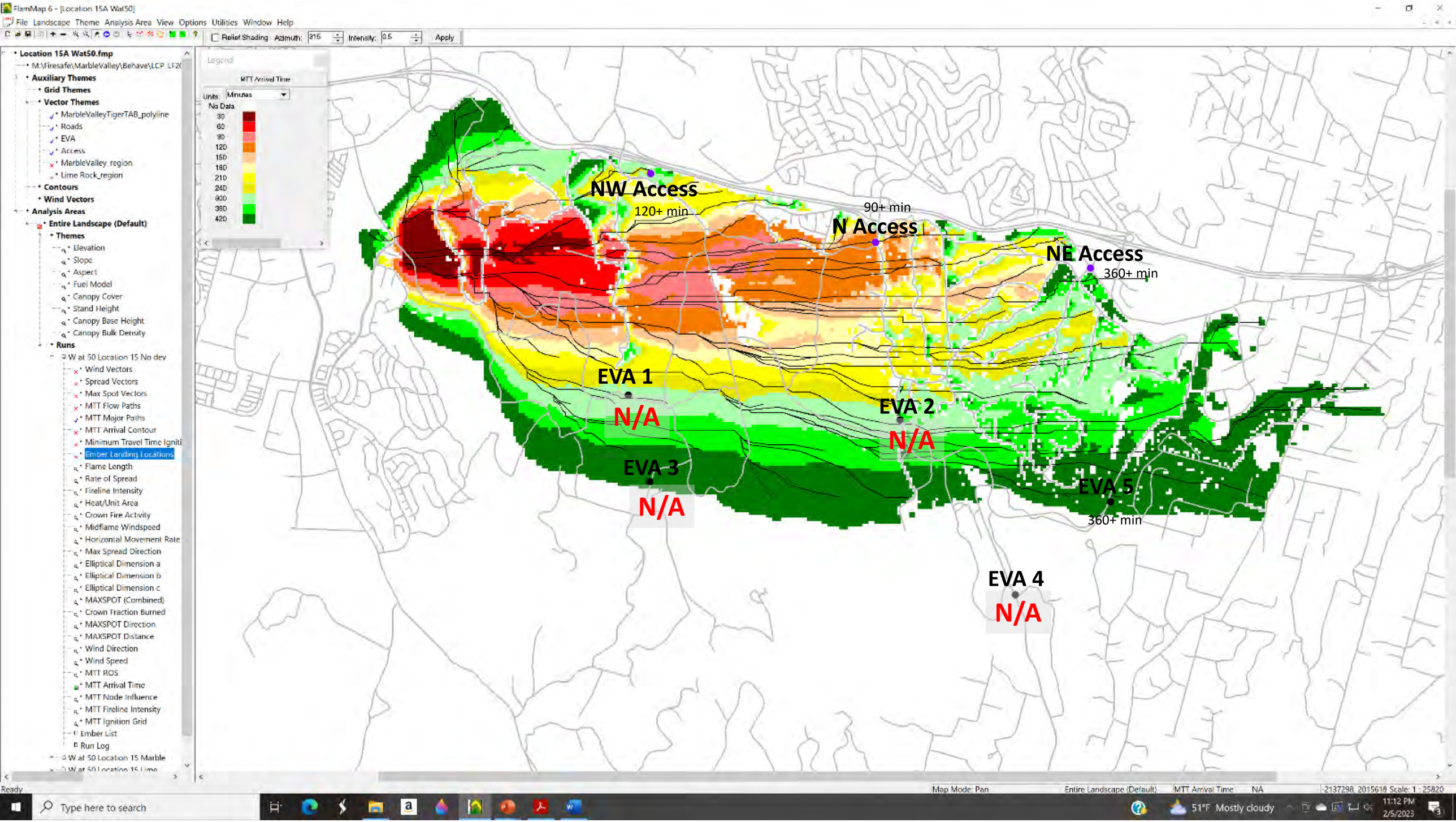


Location 14 WNW wind at 50 mph Both– Scn 14H

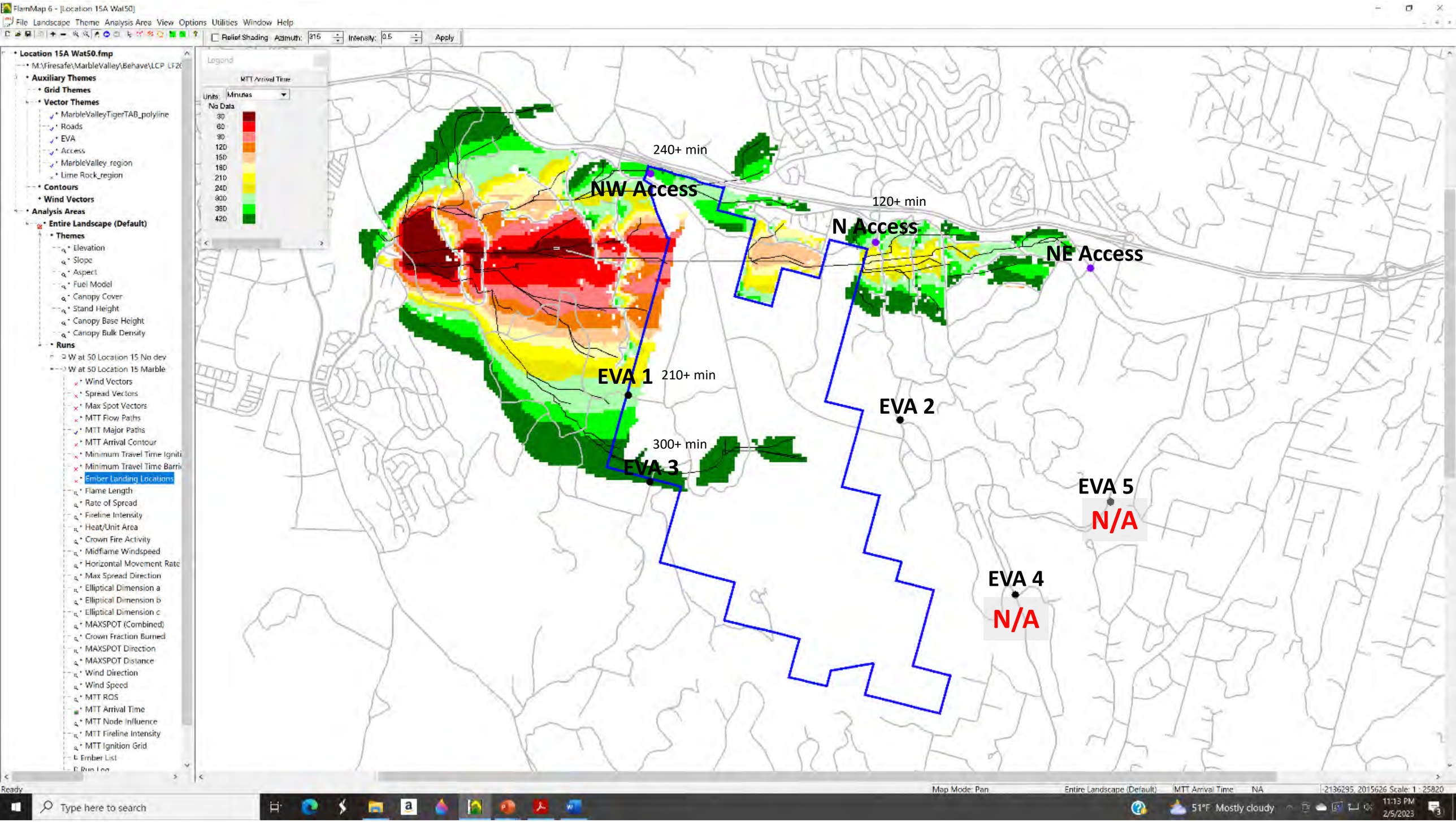
120+ min



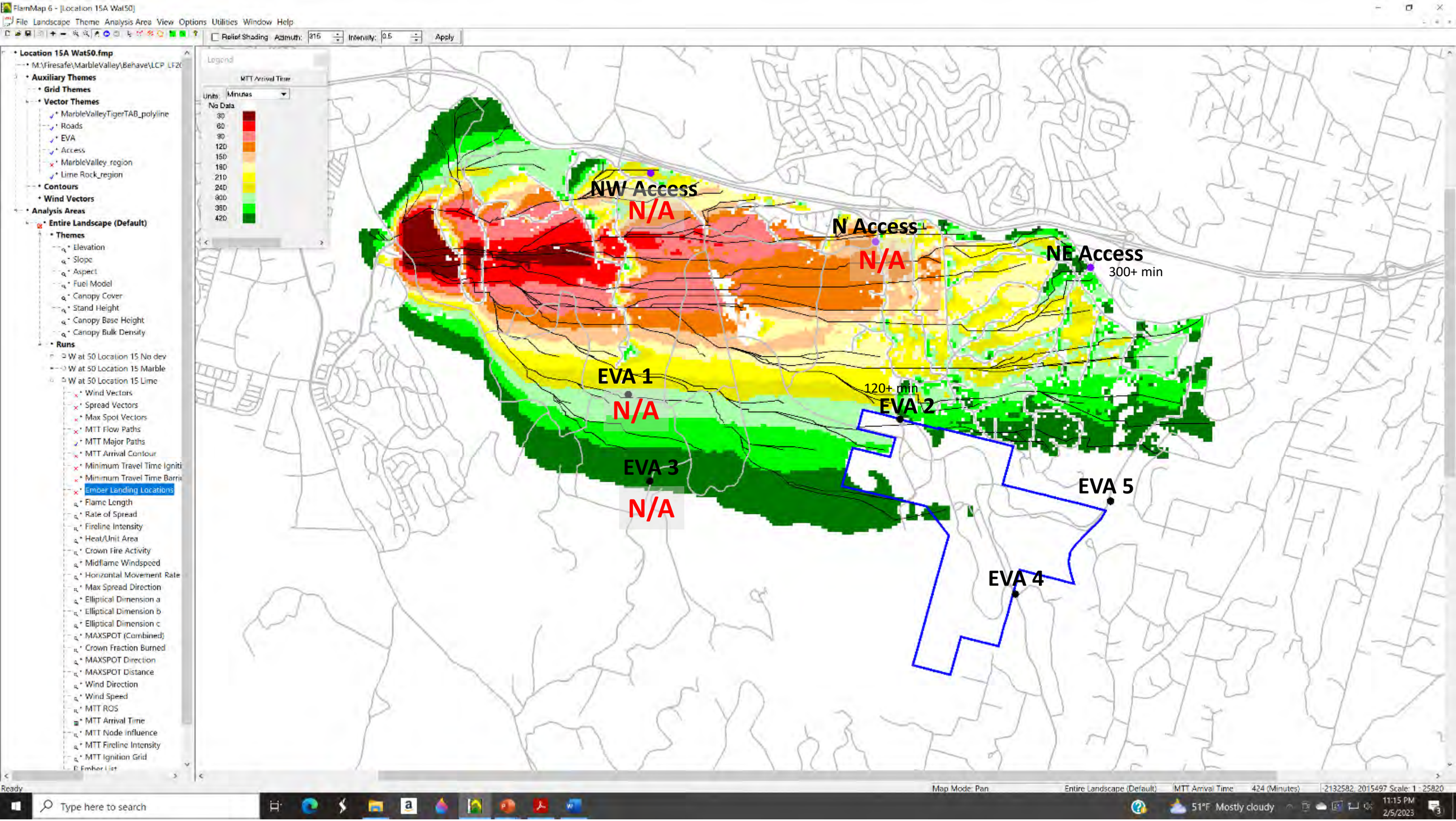
Location 15 W wind at 50 mph No Dev – Scn 15A



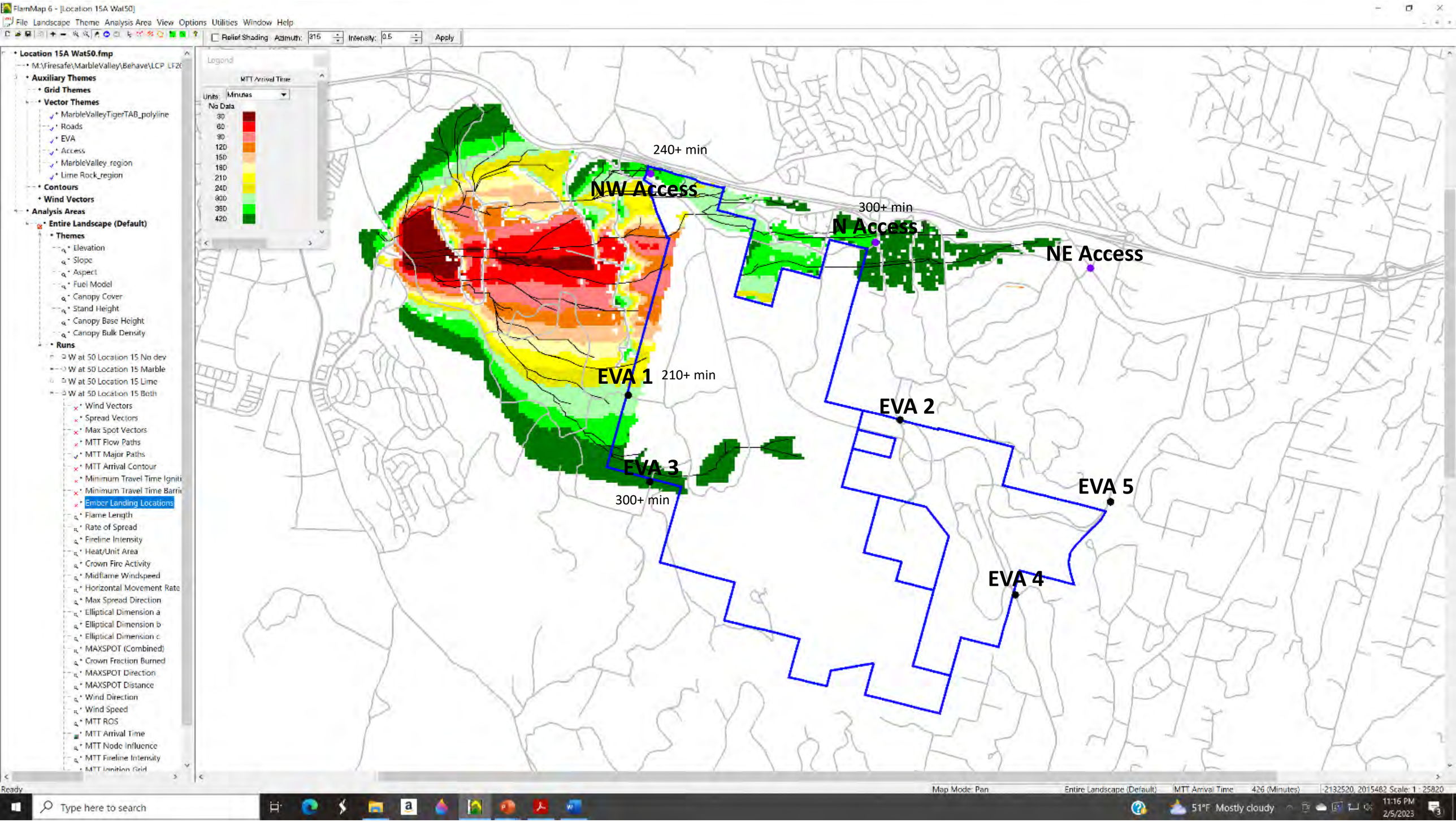
Location 15 W wind at 50 mph Marble – Scn 15B



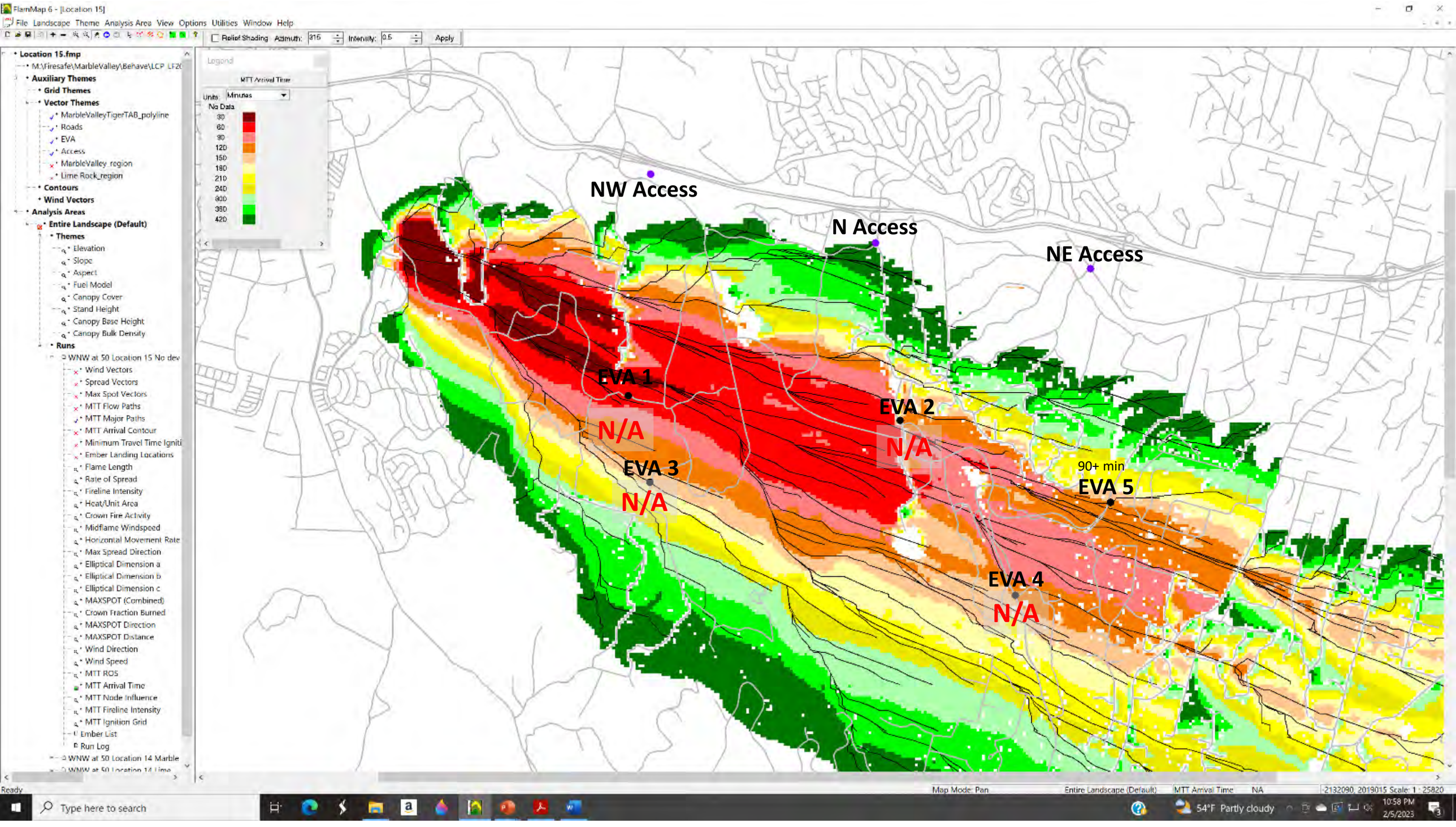
Location 15 W wind at 50 mph Lime – Scn 15C



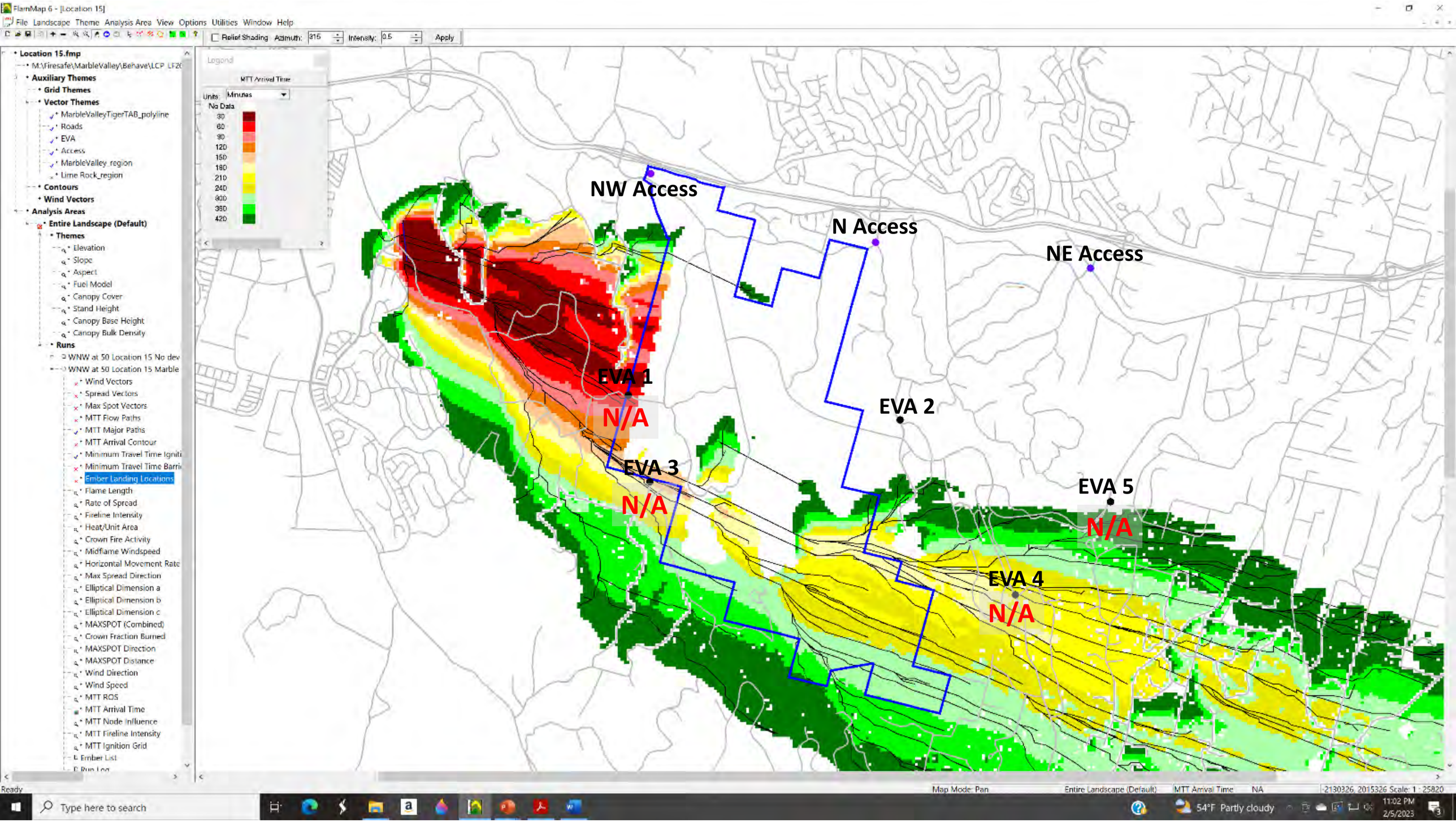
Location 15 W wind at 50 mph Both– Scn 15D



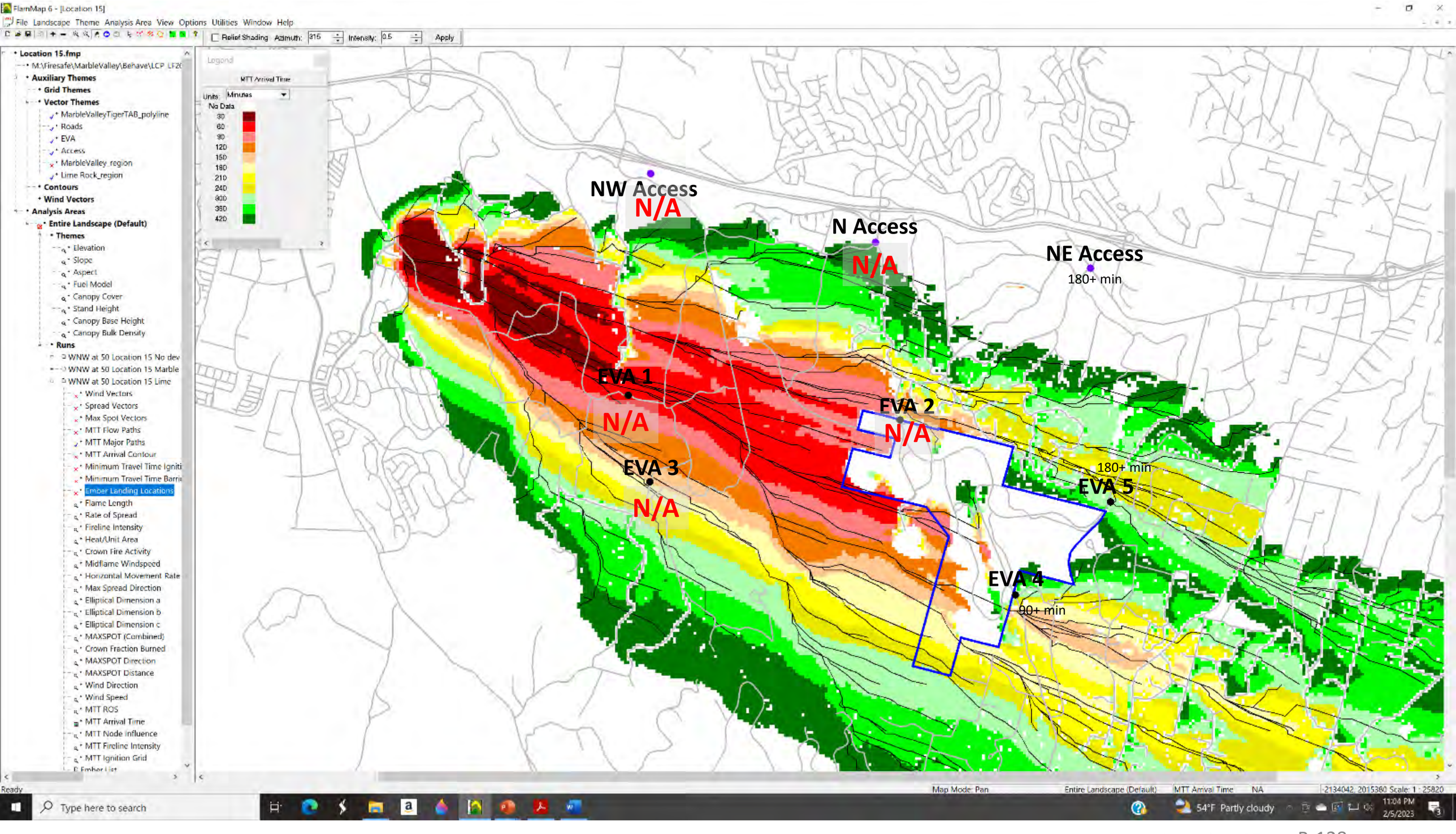
Location 15 WNW wind at 50 mph No Dev – Scn 15E



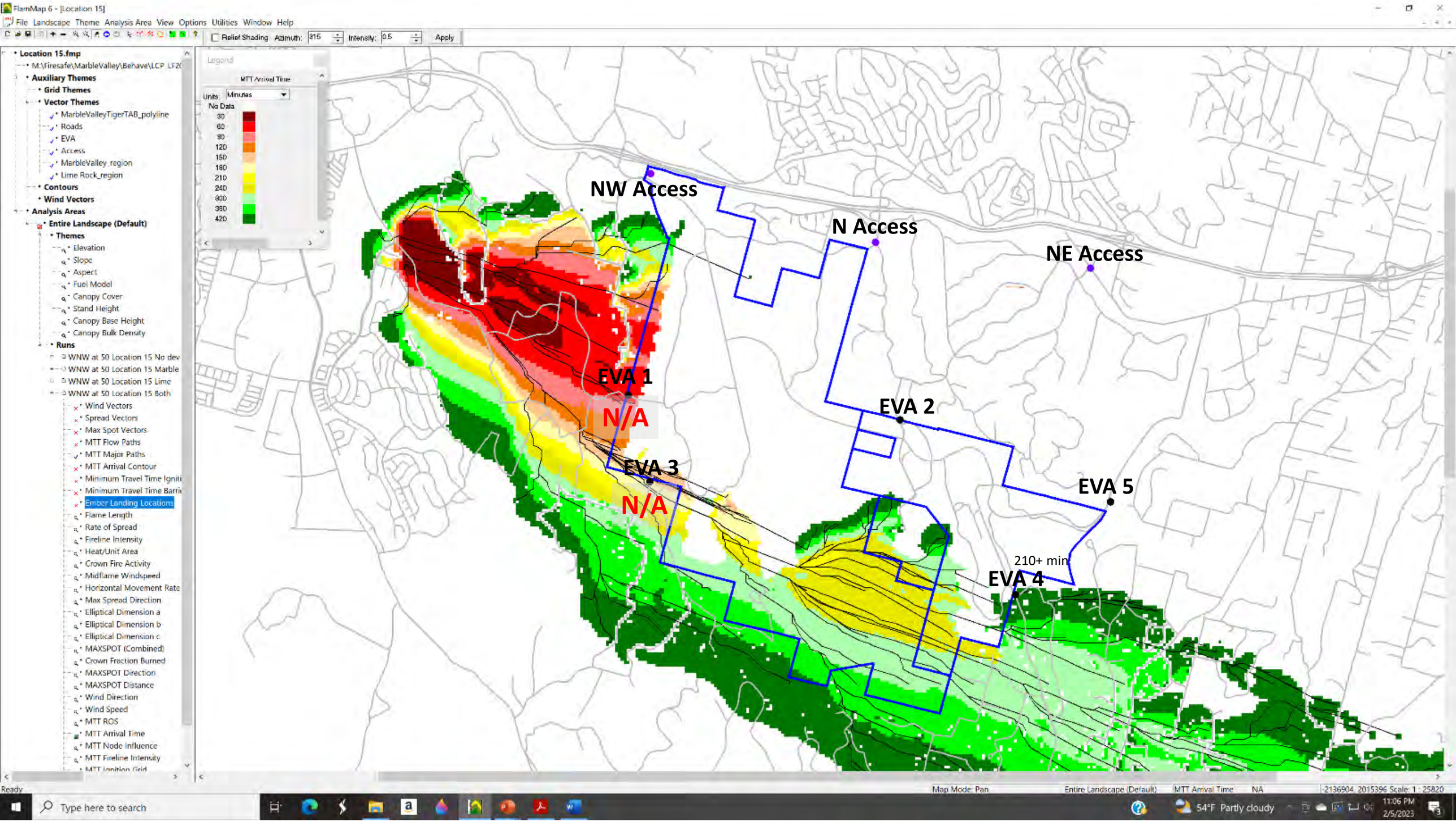
Location 15 WNW wind at 50 mph No Dev – Scn 15F



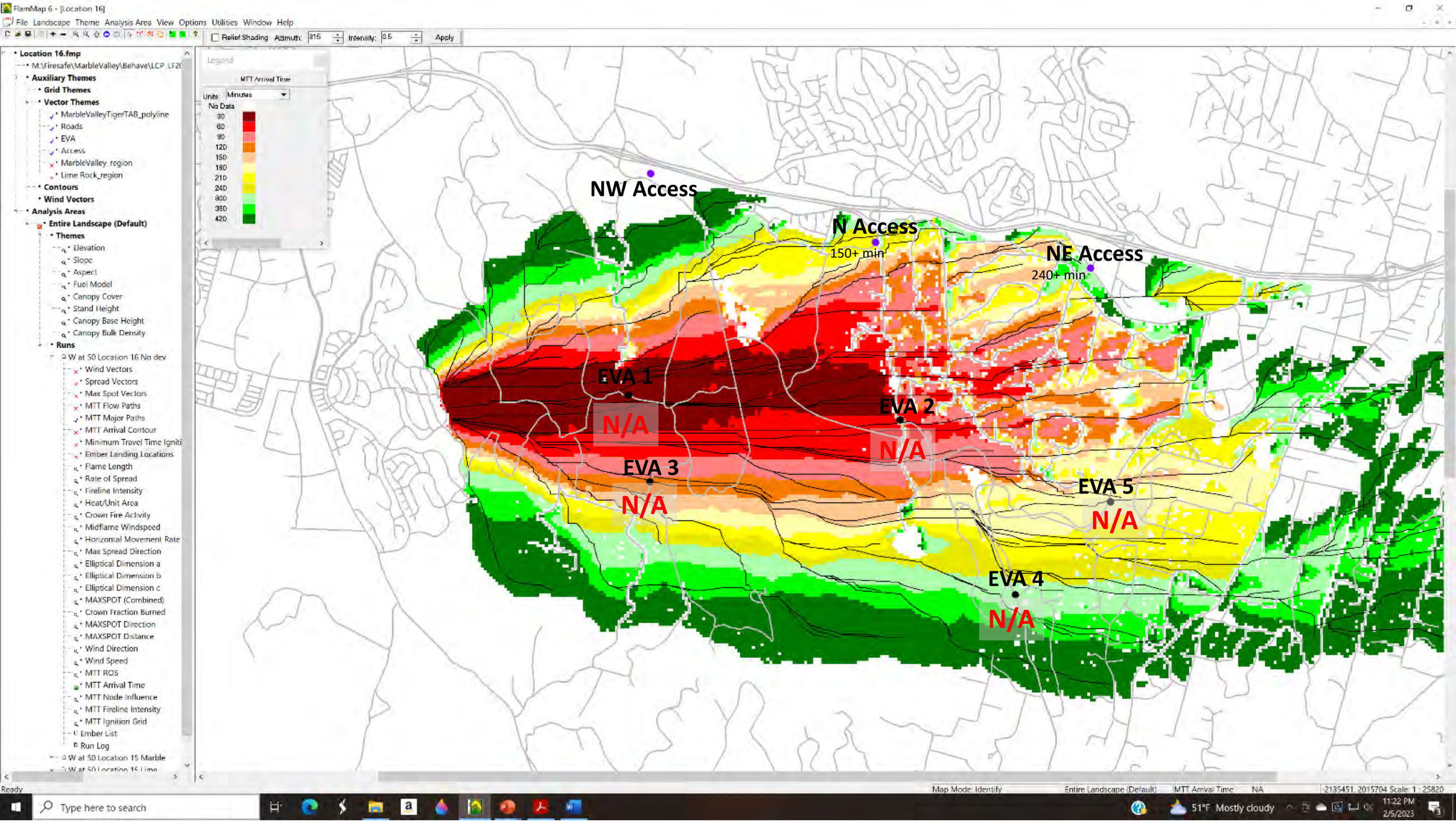
Location 15 WNW wind at 50 mph No Dev – Scn 15G



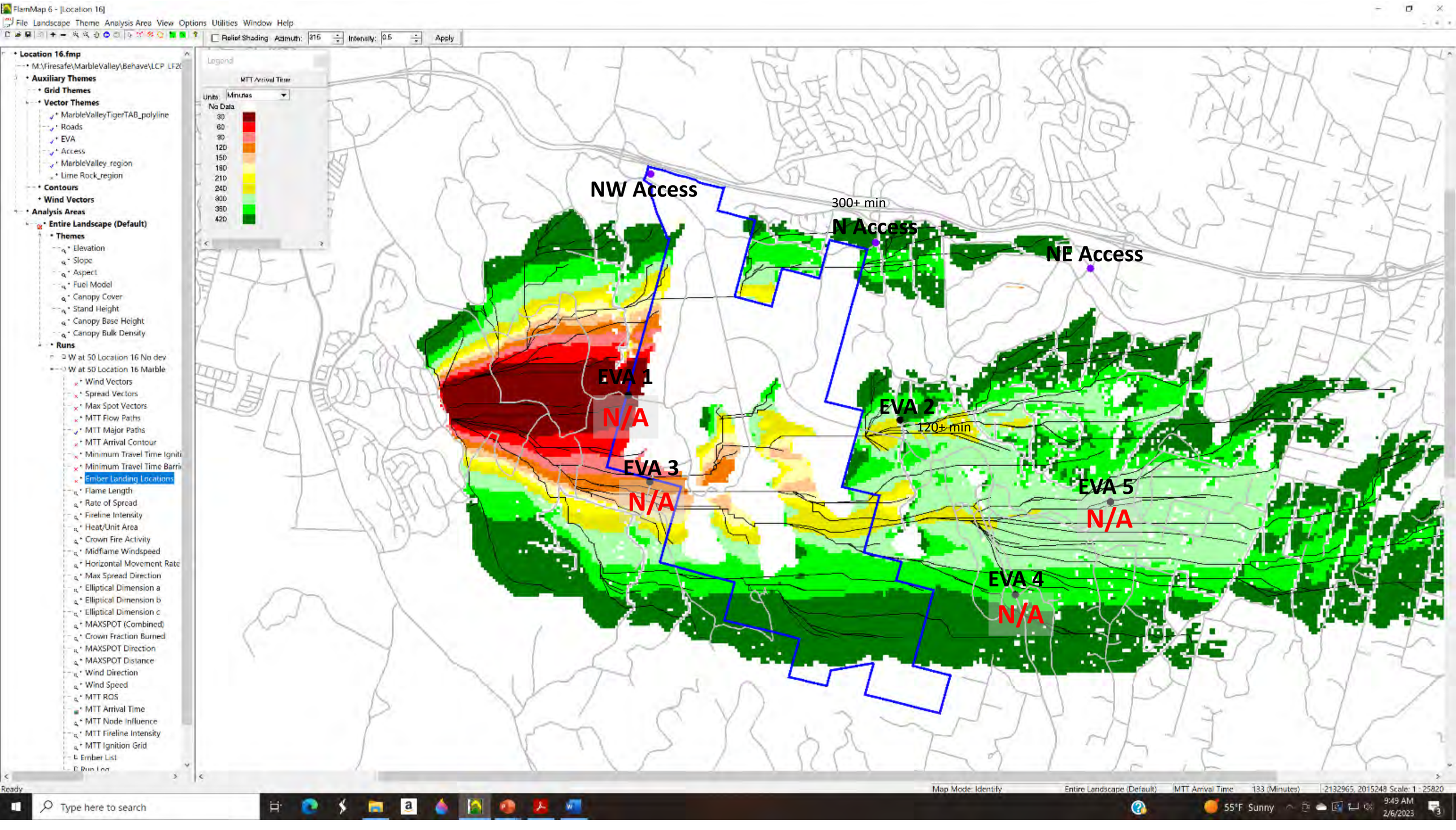
Location 15 WNW wind at 50 mph No Dev – Scn 15H



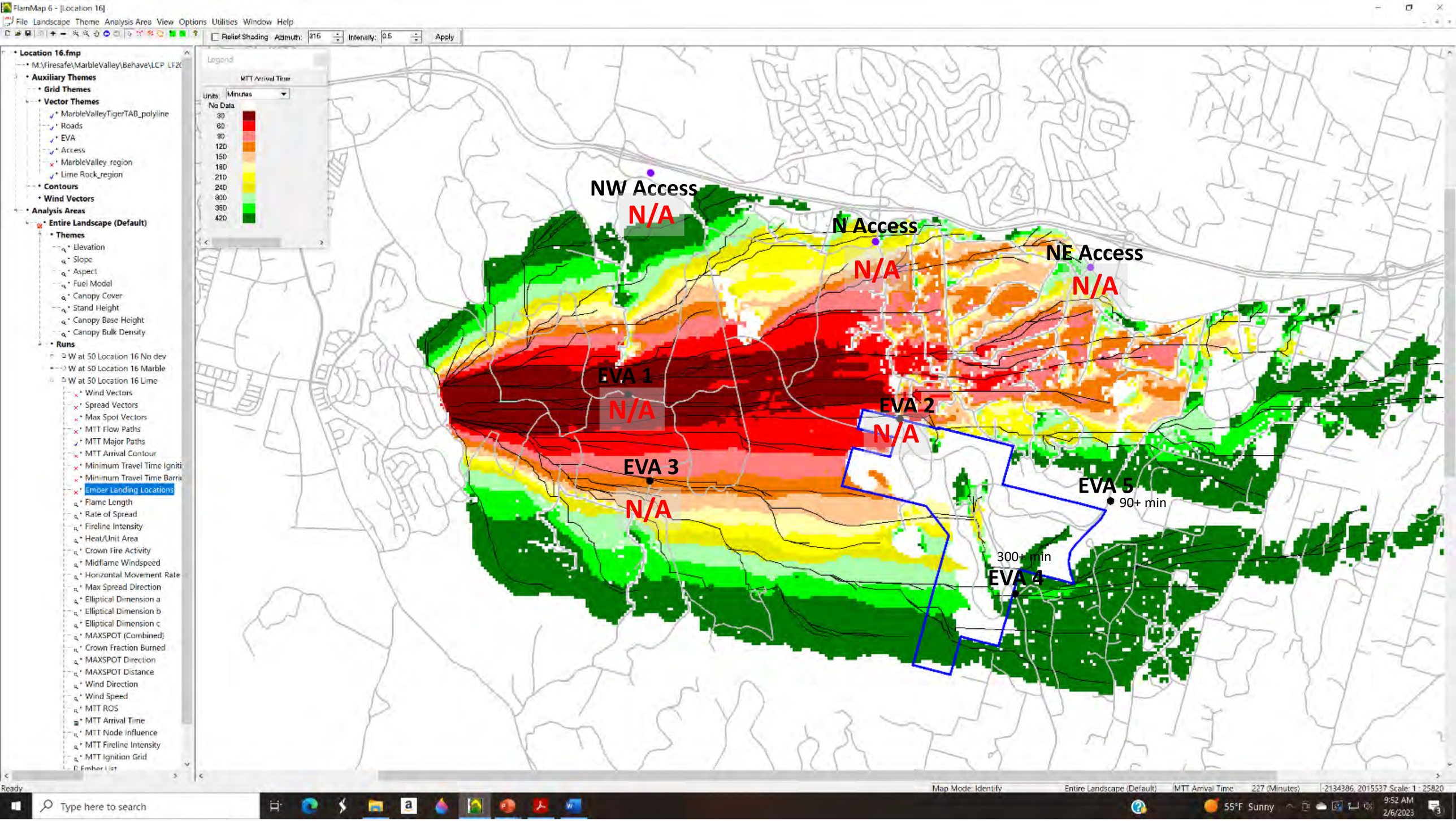
Location 16 W wind at 50 mph No Dev – Scn 16A



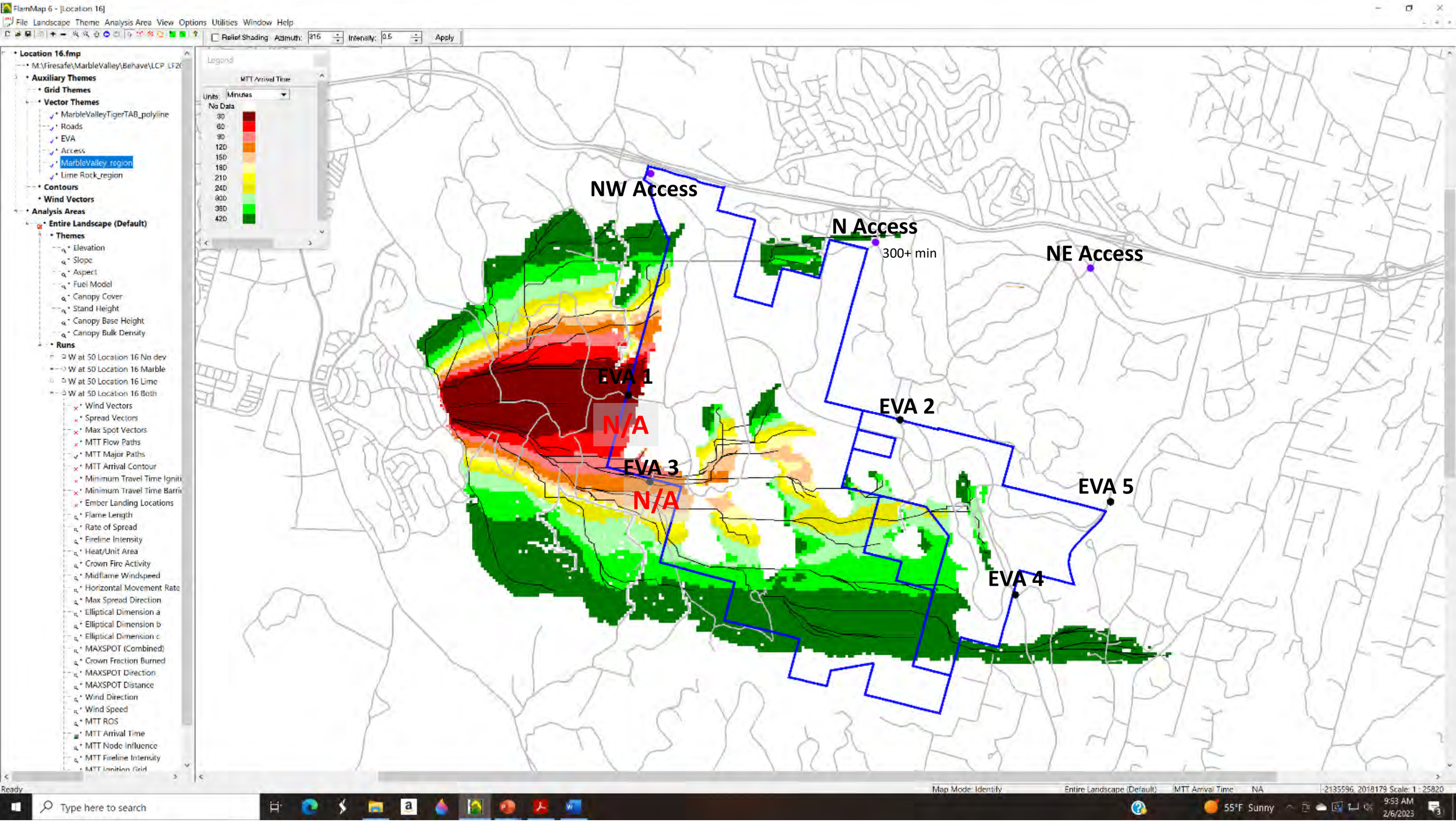
Location 16 W wind at 50 mph Marble – Scn 16B



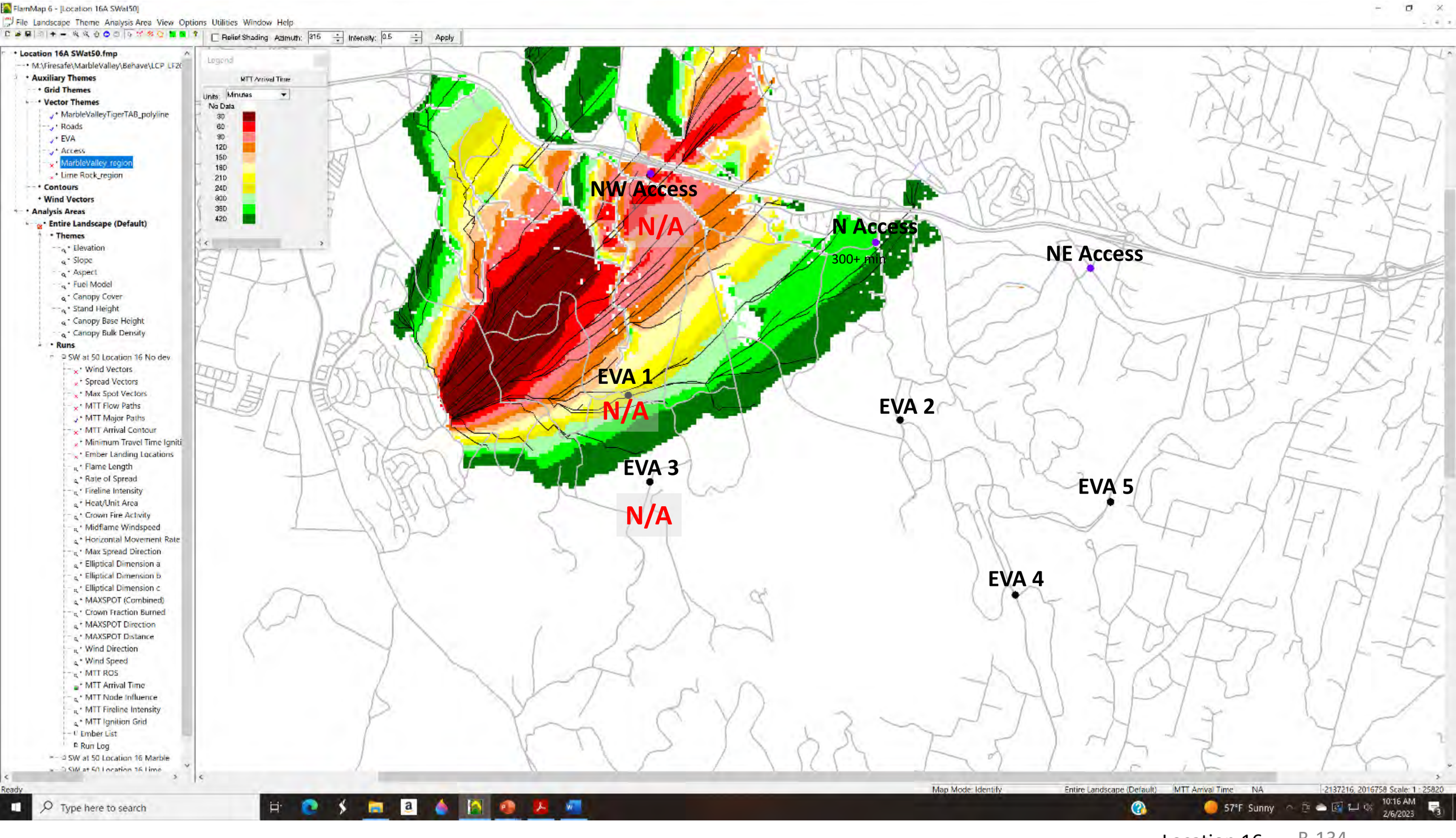
Location 16 W wind at 50 mph Lime – Scn 16C



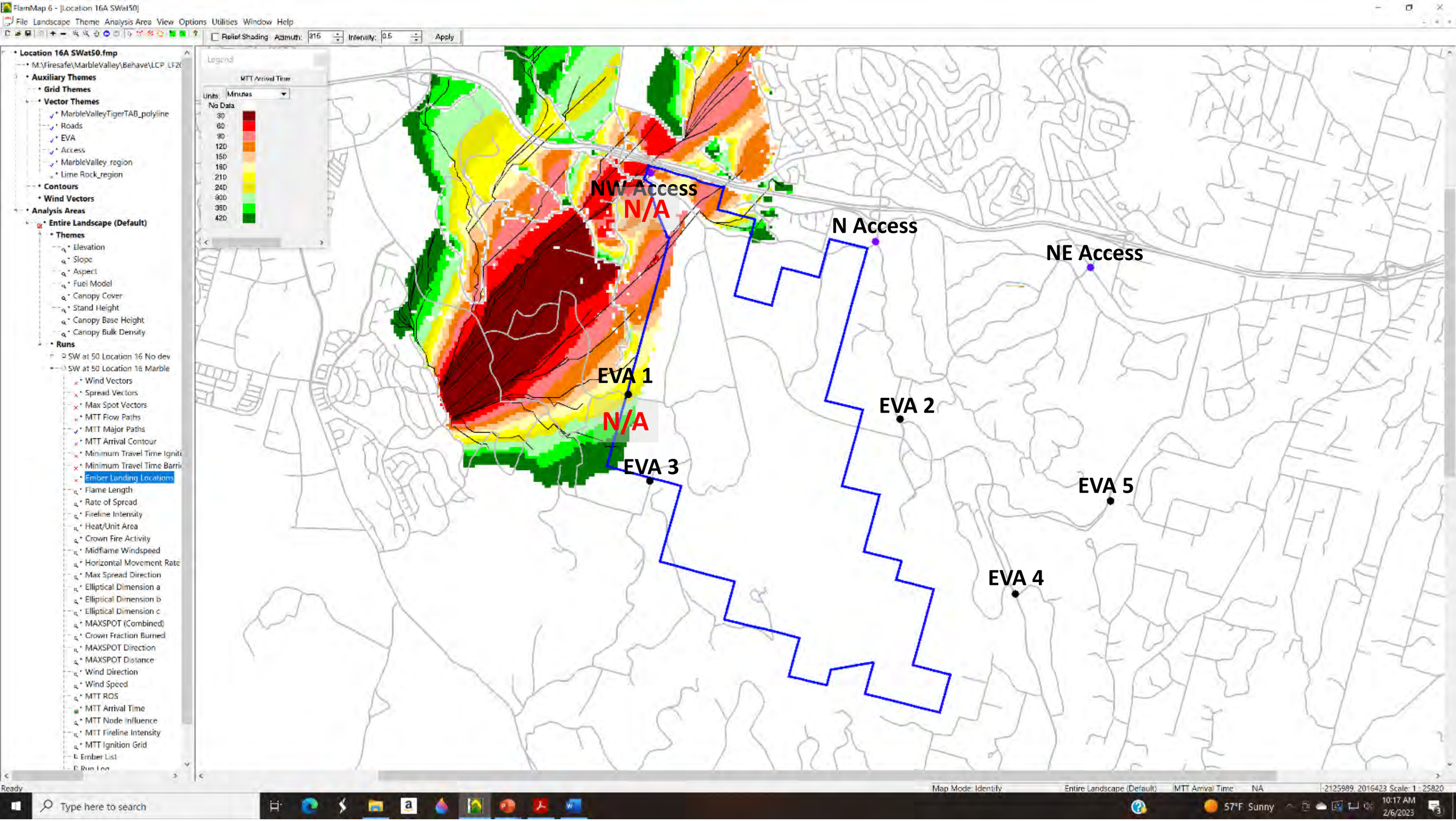
Location 16 W wind at 50 mph Both – Scn 16D



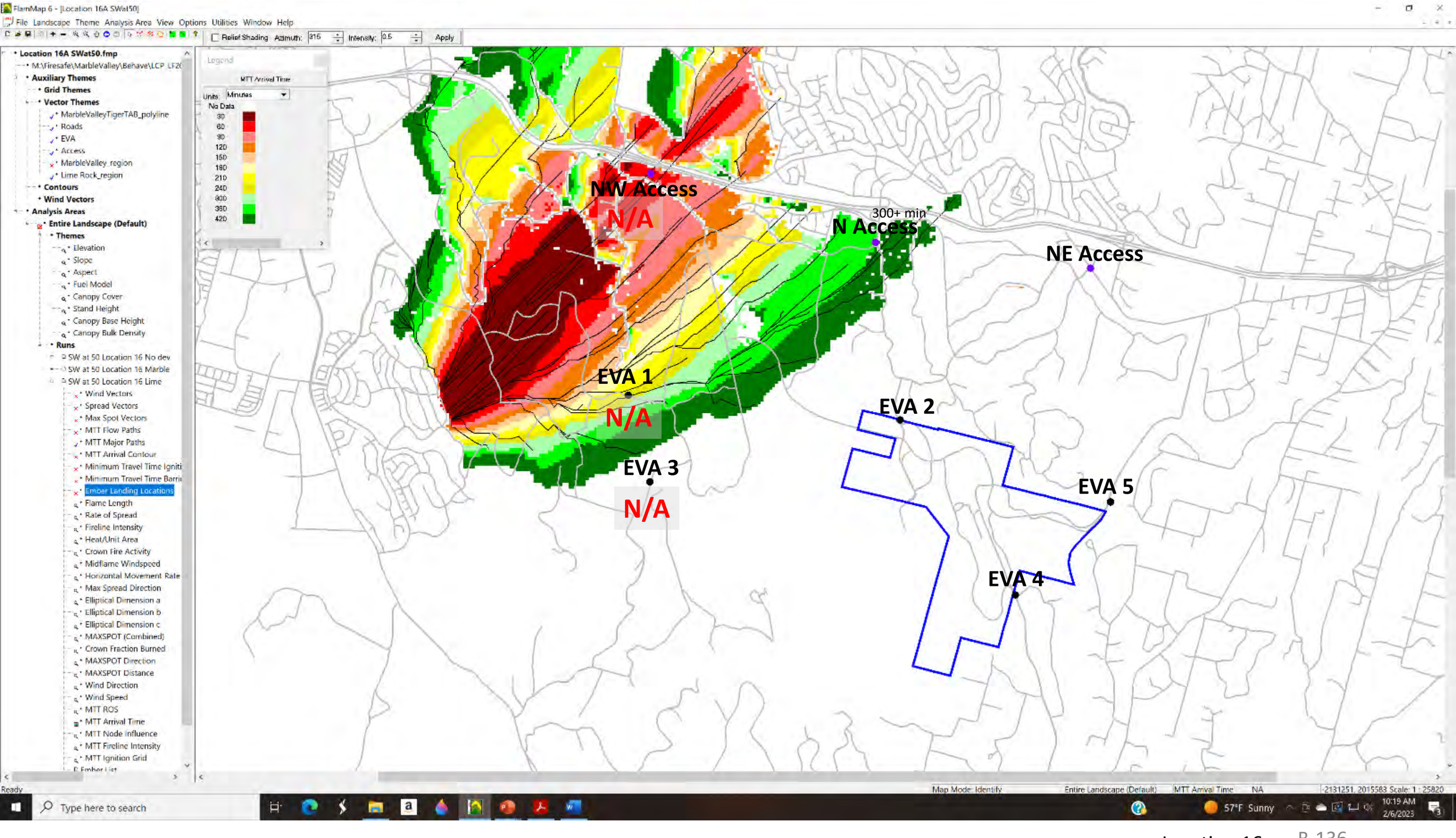
Location 16 SW wind at 50 mph No Dev – Scn 16E



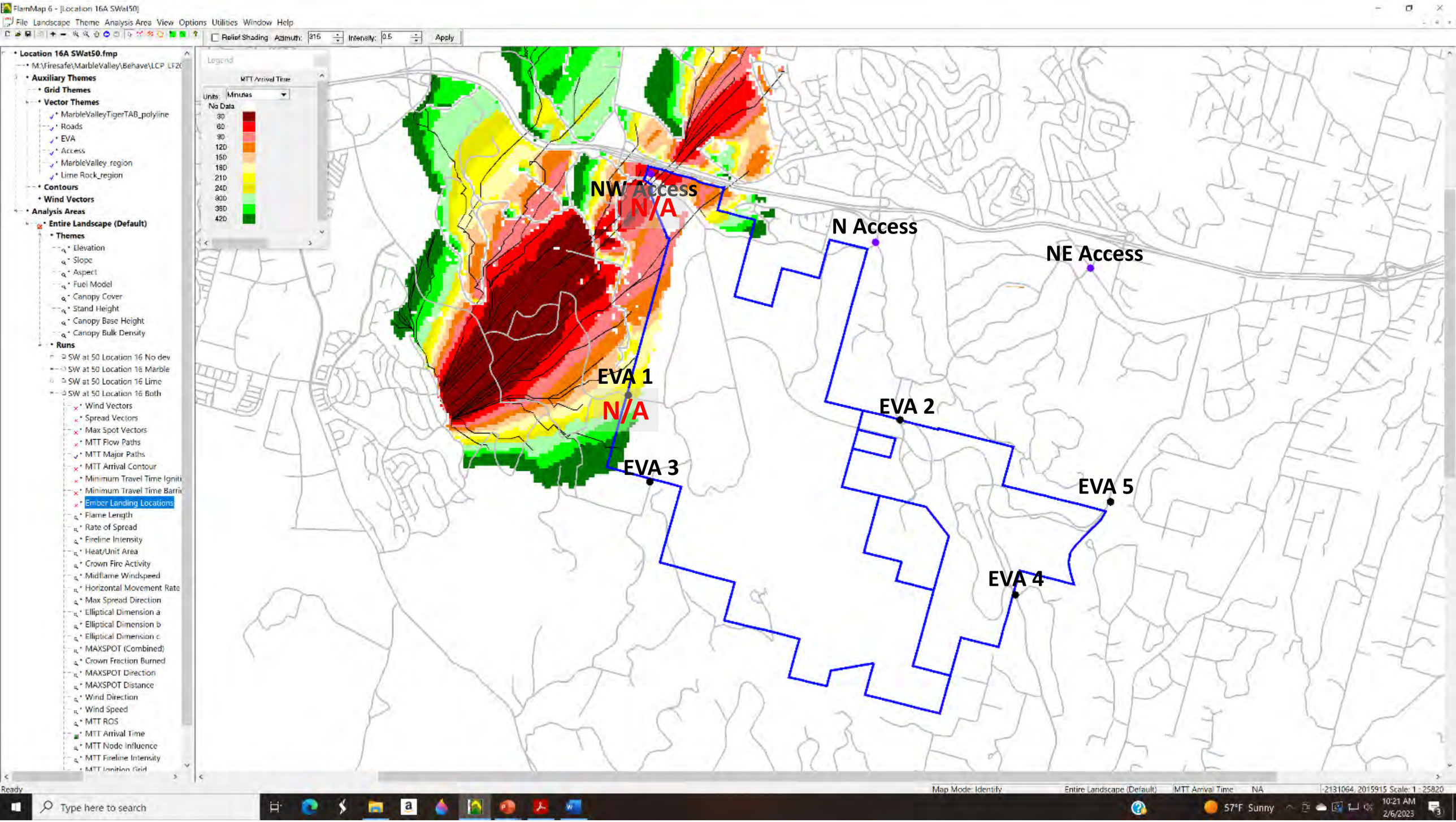
Location 16 SW wind at 50 mph Marble – Scn 16F



Location 16 SW wind at 50 mph Lime – Scn 16G



Location 16 SW wind at 50 mph Both – Scn 16H



Inputs: SURFACE

Description: Lime Rock Fuel Comparison

Fuel/Vegetation, Surface/Understory

Fuel Model: gr1, gr2, gr4, gs1, gs2, sh2, sh5, s

Fuel Moisture

1-h Fuel Moisture	%	3
10-h Fuel Moisture	%	4
100-h Fuel Moisture	%	5
Live Herbaceous Fuel Moisture	%	30
Live Woody Fuel Moisture	%	50

Weather

20-ft Wind Speed (upslope)	mi/h	0, 30, 40, 50, 65
Wind Adjustment Factor		0.5

Terrain

Slope Steepness	%	50

Run Option Notes

Maximum effective wind speed limit IS imposed [SURFACE].
Fire spread is in the HEADING direction only [SURFACE].
Wind is blowing upslope [SURFACE].
Wind and spread directions are degrees clockwise from north [SURFACE].
Wind direction is the direction from which the wind is blowing [SURFACE].

Output Variables

Surface Fire Rate of Spread (ch/h) [SURFACE]
Surface Fireline Intensity (Btu/ft/s) [SURFACE]
Surface Fire Flame Length (ft) [SURFACE]

Notes

Lime Rock Fuel Comparison

Head Fire

Surface Fire Rate of Spread (ch/h)

Fuel Model	20-ft Wind Speed (upslope) mi/h				
	0	30	40	50	65
gr1	12.4	27.3	27.3	27.3	27.3
gr2	26.7	244.3	244.3	244.3	244.3
gr4	53.6	679.4	1005.4	1287.8	1287.8
gs1	13.3	164.3	184.8	184.8	184.8
gs2	18.6	225.7	333.7	454.9	513.8
sh2	6.2	59.8	86.1	115.1	163.1
sh5	37.2	406.2	556.7	714.5	962.4
sh7	26.5	263.8	359.6	459.8	616.9
tu4	9.7	116.8	180.3	254.5	383.9
tu5	7.7	55.5	74.7	94.8	126.3
tl1	0.7	1.4	1.4	1.4	1.4
tl2	1.0	3.7	3.7	3.7	3.7
tl3	1.3	5.2	5.2	5.2	5.2
tl4	1.8	10.0	10.0	10.0	10.0
tl5	3.1	28.9	36.9	36.9	36.9
tl6	4.2	42.2	62.8	86.2	95.5
tl8	4.5	38.7	56.1	75.6	108.1
SCAL14	11.6	89.7	113.8	137.5	172.4
SCAL15	13.3	122.0	160.9	200.4	260.7
SCAL16	19.7	188.5	250.5	313.9	411.0
SCAL17	21.0	242.5	350.8	470.3	667.1

66 feet to the chain/80 chains to the mile

gr4 is traveling 16 mph in a 50 mph wind
sh5 is traveling 12 mph in a 65 mph wind

Lime Rock Fuel Comparison

Head Fire

Surface Fireline Intensity (Btu/ft/s)

Fuel Model	20-ft Wind Speed (upslope) mi/h				
	0	30	40	50	65
gr1	20	44	44	44	44
gr2	127	1165	1165	1165	1165
gr4	496	6287	9304	11917	11917
gs1	86	1058	1190	1190	1190
gs2	196	2372	3506	4779	5398
sh2	169	1623	2338	3126	4428
sh5	1315	14373	19697	25281	34052
sh7	1267	12609	17190	21982	29492
tu4	232	2776	4285	6049	9126
tu5	431	3103	4177	5299	7056
tl1	2	3	3	3	3
tl2	3	12	12	12	12
tl3	5	22	22	22	22
tl4	9	53	53	53	53
tl5	24	222	283	283	283
tl6	41	413	614	843	933
tl8	68	590	857	1155	1651
SCAL14	814	6295	7983	9643	12093
SCAL15	422	3882	5121	6380	8299
SCAL16	783	7489	9952	12471	16330
SCAL17	337	3888	5626	7540	10696

Lime Rock Fuel Comparison

Head Fire

Surface Fire Flame Length (ft)

Fuel Model	20-ft Wind Speed (upslope) mi/h				
	0	30	40	50	65
gr1	1.8	2.6	2.6	2.6	2.6
gr2	4.2	11.6	11.6	11.6	11.6
gr4	7.8	25.1	30.1	33.7	33.7
gs1	3.5	11.1	11.7	11.7	11.7
gs2	5.1	16.1	19.2	22.2	23.4
sh2	4.8	13.5	16.0	18.2	21.4
sh5	12.2	36.8	42.5	47.7	54.7
sh7	12.0	34.6	39.9	44.7	51.2
tu4	5.5	17.3	21.1	24.7	29.8
tu5	7.3	18.2	20.8	23.2	26.5
tl1	0.6	0.8	0.8	0.8	0.8
tl2	0.8	1.4	1.4	1.4	1.4
tl3	1.0	1.9	1.9	1.9	1.9
tl4	1.3	2.8	2.8	2.8	2.8
tl5	1.9	5.4	6.0	6.0	6.0
tl6	2.5	7.2	8.6	10.0	10.5
tl8	3.1	8.5	10.1	11.5	13.6
SCAL14	9.8	25.2	28.1	30.6	34.0
SCAL15	7.3	20.1	22.9	25.3	28.6
SCAL16	9.6	27.3	31.1	34.5	39.0
SCAL17	6.5	20.2	23.9	27.3	32.1

Discrete Variable Codes Used
Lime Rock Fuel Comparison

Fuel Model		
101	gr1	Short, sparse, dry climate grass (D)
102	gr2	Low load, dry climate grass (D)
104	gr4	Moderate load, dry climate grass (D)
121	gs1	Low load, dry climate grass-shrub (D)
122	gs2	Moderate load, dry climate grass-shrub (D)
142	sh2	Moderate load, dry climate shrub (S)
145	sh5	High load, dry climate shrub (S)
147	sh7	Very high load, dry climate shrub (S)
164	tu4	Dwarf conifer understory (S)
165	tu5	Very high load, dry climate timber-shrub (S)
181	tl1	Low load, compact conifer litter (S)
182	tl2	Low load broadleaf litter (S)
183	tl3	Moderate load conifer litter (S)
184	tl4	Small downed logs (S)
185	tl5	High load conifer litter (S)
186	tl6	High load broadleaf litter (S)
188	tl8	Long-needle litter (S)
14	SCAL14	Manzanita
15	SCAL15	Chamise 1
16	SCAL16	North Slope Ceanothus
17	SCAL17	Chamise 2

Dead Component Calculation

Fuel Model Code	Fuel bed depth (ft)	Dead fuel extinction moisture (percent)	Heat content BTU/lb[c]	Fuel Model Code	100% Transfer Dead	100% Transfer Herb	Dead load Total Load	Percentage Dead Component
SCAL14	3.0	15	9211	SCAL14	8.55	no transfer	8.55	15.00	57%
SCAL15	3.0	13	10000	SCAL15	6.00	no transfer	6.00	8.50	71%
SCAL16	6.0	15	8000	SCAL16	8.85	no transfer	8.85	14.70	60%
SCAL17	4.0	20	8000	SCAL17	3.30	no transfer	3.30	7.30	45%
GR1	0.4	15	8000	GR1	0.10	0.30	0.19	0.40	48%
GR2	1.0	15	8000	GR2	0.10	1.00	1.10	1.10	100%
GR4	2.0	15	8000	GR4	0.25	1.90	2.15	2.15	100%
GS1	0.9	15	8000	GS1	0.20	0.50	0.45	1.35	33%
GS2	1.5	15	8000	GS2	1.00	0.60	1.36	2.60	52%
SH1	1.0	15	8000	SH1	0.50	0.15	0.52	1.95	27%
SH2	1.0	15	8000	SH2	4.50	no transfer	4.50	8.35	54%
SH5	6.0	15	8000	SH5	5.70	no transfer	5.70	8.60	66%
SH7	6.0	15	8000	SH7	11.00	no transfer	11.00	14.40	76%
TU1	0.6	20	8000	TU1	2.60	0.20	2.64	3.70	71%
TU4	0.5	12	8000	TU4	4.50	no transfer	4.50	6.50	69%
TU5	1.0	25	8000	TU5	11.00	no transfer	11.00	14.00	79%
TL1	0.2	30	8000	TL1	6.80	no transfer	6.80	6.80	100%
TL2	0.2	25	8000	TL2	5.90	no transfer	5.90	5.90	100%
TL3	0.3	20	8000	TL3	5.50	no transfer	5.50	5.50	100%
TL4	0.4	25	8000	TL4	6.20	no transfer	6.20	6.20	100%
TL5	0.6	25	8000	TL5	8.05	no transfer	8.05	8.05	100%
TL6	0.3	25	8000	TL6	4.80	no transfer	4.80	4.80	100%
TL8	0.3	35	8000	TL8	8.30	no transfer	8.30	8.30	100%

Fuel model parameters

Fuel Model Code	Fuel Model Number	Climate	Fuel load (t/ac) 1-hr	10-hr	100-hr	Live herb	Live woody	Fuel model type[a]	SAV ratio (1/ft)[b] Dead 1-hr	Live herb	Live woody
SCAL14	N/A	N/A	3.00	4.50	1.05	1.45	5.00	static	350	1500	250
SCAL15	N/A	N/A	2.00	3.00	1.00	0.50	2.00	static	640	220	640
SCAL16	N/A	N/A	2.25	4.80	1.80	3.00	2.85	static	500	1500	500
SCAL17	N/A	N/A	1.30	1.00	1.00	2.00	2.00	static	640	2200	640
GR1	101	Dry	0.10	0.00	0.00	0.30	0.00	dynamic	2200	2000	9999
GR2	102	Dry	0.10	0.00	0.00	1.00	0.00	dynamic	2000	1800	9999
GR4	104	Dry	0.25	0.00	0.00	1.90	0.00	dynamic	2000	1800	9999
GS1	121	Dry	0.20	0.00	0.00	0.50	0.65	dynamic	2000	1800	1800
GS2	122	Dry	0.50	0.50	0.00	0.60	1.00	dynamic	2000	1800	1800
SH1	141	Dry	0.25	0.25	0.00	0.15	1.30	dynamic	2000	1800	1600
SH2	142	Dry	1.35	2.40	0.75	0.00	3.85	static	2000	9999	1600
SH5	145	Dry	3.60	2.10	0.00	0.00	2.90	static	750	9999	1600
SH7	147	Dry	3.50	5.30	2.20	0.00	3.40	static	750	9999	1600
TU1	161	Dry	0.20	0.90	1.50	0.20	0.90	dynamic	2000	1800	1600
TU4	164	Dry	4.50	0.00	0.00	0.00	2.00	static	2300	9999	2000
TU5	165	Dry	4.00	4.00	3.00	0.00	3.00	static	1500	9999	750
TL1	181	N/A	1.00	2.20	3.60	0.00	0.00	static	2000	9999	9999
TL2	182	N/A	1.40	2.30	2.20	0.00	0.00	static	2000	9999	9999
TL3	183	N/A	0.50	2.20	2.80	0.00	0.00	static	2000	9999	9999
TL4	184	N/A	0.50	1.50	4.20	0.00	0.00	static	2000	9999	9999
TL5	185	N/A	1.15	2.50	4.40	0.00	0.00	static	2000	9999	9999
TL6	186	N/A	2.40	1.20	1.20	0.00	0.00	static	2000	9999	9999
TL8	188	N/A	5.80	1.40	1.10	0.00	0.00	static	1800	9999	9999

Only three fuel models have fuel bed depths over 4 foot.

Inputs: SURFACE

Description		Chaparral Fuel Scenario Worst Case
Fuel/Vegetation, Surface/Understory		
Chaparral Fuel Bed Depth	ft	8
Chaparral Dead Load Fraction	%	32, 33, 34, 35, 36, 40, 41, 42, 43,
Chaparral Total Fuel Load	ton/ac	25, 28, 29, 31
Fuel Moisture		
1-h Fuel Moisture	%	3
10-h Fuel Moisture	%	4
100-h Fuel Moisture	%	5
Live Herbaceous Fuel Moisture	%	30
Live Woody Fuel Moisture	%	50
Weather		
20-ft Wind Speed	mi/h	65
Wind Adjustment Factor		0.5
Wind Direction (from north)	deg	45
Terrain		
Slope Steepness	%	50
Site Aspect	deg	45

Run Option Notes

Maximum effective wind speed limit IS imposed [SURFACE].

A special case fuel model is used: chaparral (Rothermel and Philpot 1973) [SURFACE].

Fire spread is in the HEADING direction only [SURFACE].

Wind is in specified directions [SURFACE].

Wind and spread directions are degrees clockwise from north [SURFACE].

Wind direction is the direction from which the wind is blowing [SURFACE].

Output Variables

Surface Fire Rate of Spread (ft/min) [SURFACE]

Surface Fireline Intensity (kW/m) [SURFACE]

Surface Fire Flame Length (ft) [SURFACE]

Surface Fire Dir of Max Spread (from north) (deg) [SURFACE]

Chaparral Total Dead Fuel Load (ton/ac) [SURFACE]

Chaparral Fuel Scenario Worst Case

Head Fire

Surface Fire Rate of Spread (ft/min)

Chaparral Fuel Dead Load Fraction %	Chaparral Total Fuel Load ton/ac 25	28	29	31
32	719.0	712.7	710.6	706.5
33	717.4	711.2	709.2	705.1
34	715.1	709.0	706.9	702.9
35	711.9	705.9	703.9	699.9
36	707.9	702.0	700.0	696.1
40	683.6	678.3	676.6	673.1
41	675.5	670.5	668.8	665.3
42	666.7	661.8	660.1	656.9
43	657.0	652.3	650.8	647.6
44	646.5	642.1	640.6	637.6
45	635.3	631.1	629.7	626.9
46	623.2	619.3	618.0	615.3
47	610.3	606.8	605.6	603.1
48	596.7	593.4	592.3	590.0
49	582.2	579.3	578.3	576.2
50	566.8	564.3	563.4	561.5

Chaparral Fuel Scenario Worst Case

Head Fire

Surface Fireline Intensity (kW/m)

Chaparral Fuel Dead Load Fraction	Chaparral Total Fuel Load ton/ac			
%	25	28	29	31
32	81327	92797	96604	104181
33	82535	94220	98100	105824
34	83627	95515	99464	107328
35	84600	96679	100693	108688
36	85451	97707	101781	109900
40	87601	100433	104708	113237
41	87820	100764	105078	113691
42	87911	100954	105304	113992
43	87873	101002	105384	114139
44	87703	100907	105317	114133
45	87402	100668	105103	113972
46	86966	100282	104737	113654
47	86391	99746	104218	113175
48	85673	99055	103540	112531
49	84805	98201	102697	111714
50	83779	97177	101679	110716

Chaparral Fuel Scenario Worst Case

Head Fire

Surface Fire Flame Length (ft)

Chaparral Fuel Dead Load Fraction	Chaparral Total Fuel Load ton/ac			
%	25	28	29	31
32	46.1	49.0	49.9	51.7
33	46.4	49.3	50.3	52.0
34	46.7	49.6	50.6	52.4
35	46.9	49.9	50.9	52.7
36	47.2	50.2	51.1	52.9
40	47.7	50.8	51.8	53.7
41	47.8	50.9	51.9	53.8
42	47.8	50.9	51.9	53.8
43	47.8	50.9	51.9	53.9
44	47.7	50.9	51.9	53.9
45	47.7	50.9	51.9	53.8
46	47.5	50.8	51.8	53.8
47	47.4	50.6	51.7	53.7
48	47.2	50.5	51.5	53.5
49	47.0	50.3	51.3	53.3
50	46.7	50.0	51.1	53.1

Chaparral Fuel Scenario Worst Case

Head Fire

Surface Fire Dir of Max Spread (from north) (deg)

Chaparral Fuel Dead Load Fraction	Chaparral Total Fuel Load ton/ac			
%	25	28	29	31
32	225	225	225	225
33	225	225	225	225
34	225	225	225	225
35	225	225	225	225
36	225	225	225	225
40	225	225	225	225
41	225	225	225	225
42	225	225	225	225
43	225	225	225	225
44	225	225	225	225
45	225	225	225	225
46	225	225	225	225
47	225	225	225	225
48	225	225	225	225
49	225	225	225	225
50	225	225	225	225

Chaparral Fuel Scenario Worst Case

Head Fire

Chaparral Total Dead Fuel Load (ton/ac)

Chaparral Fuel Dead Load Fraction	Chaparral Total Fuel Load ton/ac			
%	25	28	29	31
32	8.000	8.960	9.280	9.920
33	8.250	9.240	9.570	10.230
34	8.500	9.520	9.860	10.540
35	8.750	9.800	10.150	10.850
36	9.000	10.080	10.440	11.160
40	10.000	11.200	11.600	12.400
41	10.250	11.480	11.890	12.710
42	10.500	11.760	12.180	13.020
43	10.750	12.040	12.470	13.330
44	11.000	12.320	12.760	13.640
45	11.250	12.600	13.050	13.950
46	11.500	12.880	13.340	14.260
47	11.750	13.160	13.630	14.570
48	12.000	13.440	13.920	14.880
49	12.250	13.720	14.210	15.190
50	12.500	14.000	14.500	15.500

Appendix N
Evacuation Analysis

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Lime Rock Valley Specific Plan Fire Evacuation Assessment - Draft

Prepared for:
County of El Dorado

November 3, 2023

RS22-4228

FEHR PEERS

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Executive Summary

This report presents the results of the wildfire evacuation time analysis conducted for the Lime Rock Valley Specific Plan Project (hereafter referred to as "Lime Rock Valley Specific Plan" or "Project") to comply with the requirements of the California Environmental Quality Act (CEQA) as established in the CEQA Statute and CEQA Guidelines and applicable/published court decisions.

Purpose

The purpose of this wildfire evacuation assessment is to address CEQA guidance released by the Attorney General in response to recent California Environmental Quality Act (CEQA) court decisions whereby EIRs were deemed to be inadequate due to the lack of a sufficient analysis around the Project's effect on the ability of the local community to evacuate due to a wildfire or similar disaster, and compliance with CalFire regulations related to wildfire evacuation and emergency access.

Project Description

The Project includes the of up to 800 dwelling units, on approximately 360 acres, an eight-acre park plus additional neighborhood parks, and about 333 acres of public and private open space. The total site is approximately 740 acres. The Project expands the Community Region of El Dorado Hills to include the Project area and to rezone existing districts.

US 50 access will be through the US 50 / Bass Lake Road and US 50 / Cambridge Road interchanges. Marble Valley Parkway is proposed as a continuous roadway connecting the Bass Lake Road and Cambridge Road interchanges. Access to the US 50 / Bass Lake Road and US 50 / Cambridge Road interchanges will be provided by Marble Valley Parkway, Marble Lake Boulevard, and Lime Rock Valley Road. A portion of Marble Valley Parkway is outside the plan area. Marble Lake Boulevard, which is planned as a four- to two-lane roadway, will connect Marble Valley Parkway and Lime Rock Valley Road. Lime Rock Valley Road will extend east of Marble Lake Boulevard to the Project as a two-lane roadway. Marble Lake Boulevard will be four lanes from US 50 to just south of Marble Valley Parkway. Major intersections along Marble Lake Boulevard are planned to have roundabout control.

Study Overview

The study uses evacuation time estimates as a metric to evaluate evacuation performance. Evacuation time is defined as the estimated time necessary to safely evacuate all evacuees, from the time when a hazard is first identified until the time when the last evacuee leaves a hazardous area.

The study was conducted in coordination with Firesafe Planning Solutions, emergency service providers, and fire agencies. The evacuation assesses the four development scenarios under existing conditions:

- No Project – Represents existing conditions (i.e., existing residents).
- Lime Rock Valley Specific Plan – Represents existing conditions with buildout of the Lime Rock Valley Specific Plan.
- Marble Valley Specific Plan – Represents existing conditions with buildout of the Marble Valley Specific Plan.
- Lime Rock Valley & Marble Valley Specific Plans – Represents existing conditions with buildout of both the Lime Rock Valley and Marble Valley Specific Plans.

Wildland Fire Evacuation Risk and Fire Behavior Report

Firesafe Planning Solutions prepared a wildland fire risk report for the Lime Rock Valley Specific Plan, *Wildland Fire Evacuation Risk Report, Fire Behavior – The Lime Rock Valley Project* to assess the risk related to wildfires and the intensity of a wildfire approaching the Project site and covers the following topics:

- Current Environmental Conditions – Identifies the location of the project site and adjacent wildland and agency responsible for fire protection.
- Wildland Fire Evacuation Risk and Fire Behavior Report – Analyzes the likelihood and intensity of wildfire hazards and the risk/vulnerability of the project to wildfire hazards.
- Project Impacts Related to Wildland Fires – Analyzes the project design relative to wildfire events and incorporates the fire history of the project area, weather (i.e., temperature, relative humidity, wind), fuel (i.e., wildland and built environment), geography (i.e., slope, aspect, elevation), and historical fire activity.
- Water Supply and Infrastructure – Describes the existing and proposed water supply and infrastructure.
- Fire Protection Resources – Identifies the existing and proposed fire resources.
- Risk Reduction Measures – Outlines risk reduction measures required by code, ordinance, and standards as well as additional benefits that the project provides to existing communities.

The analysis considers existing/future vegetative interface fuels, topography, fire, and weather conditions during extreme fire conditions. The report provides results of computer modeling that measured the fire intensity, flame lengths, rate of spread, and fire travel distance (arrival times) from worst-case scenario wildfires in both the extreme (Diablo wind) and the predominant (Onshore wind) wind conditions.

The results of fire behavior modeling have been incorporated into the analysis of the interfaces of the project with adjacent wildlands and the potential ingress/egress routes used by the Project site daily and under emergency conditions where evacuation might be necessary. **Appendix A** includes the *Wildland Fire Evacuation Risk Report, Fire Behavior – The Lime Rock Valley Project*.

Evacuation Time Estimates

The study uses evacuation time as a metric to evaluate evacuation performance.

As outlined in the *Wildland Evacuation Fire Risk Report, Fire Behavior – The Lime Rock Valley Project*, the fire scenarios modeled are extreme and the results indicate the fire will be traveling at a rate faster than fire suppression activity will allow for control lines. The size, location and configuration of the Project site makes it unlikely that a fire will impact the entire evacuation area, but rather the fire will impact different portions over time. Consequently, evacuation time estimates are developed for the following evacuation conditions:

- Self-Evacuation – Represents the evacuation of populations in the direct path of the fire where advanced notice is not available due to the fire's progression. These vulnerable populations are in the red areas (i.e., where the fire's progression is 60 minutes or less) shown in **Figures ES1 through ES4**. As analyzed, evacuation is assumed to begin within 15 minutes of the fire's recognition. However, self-evacuation may be a part of an Ordered Evacuation, representing an initial phase of the evacuation that occurs before the Sheriff issues an order to evacuate. Evacuation time is estimated from the evacuation trip origin to the closest safe location not in the direct path of the fire, which may be inside or outside the study area shown on **Figure 2**.

- Ordered Evacuation – Represents the evacuation of the entire population (residents, students, employees, and visitors) in the evacuation area for an event with ample notice where emergency services are participating in the evacuation. As analyzed, the evacuation window is 3 hours (180 minutes) beginning from the Sheriff ordering the evacuation. Evacuation time is estimated from the evacuation trip origin to the study area gateways, outside the study area.

Self-Evacuation (Vulnerable Population)

The analysis results for Self-Evacuation are summarized in **Figures ES-1 through ES-4**.

As shown, the addition of the Project changes the progression of the fire event. Consequently, the vulnerable population changes in the existing community compared to existing conditions due to the fuels removed by the Project, fuels management activities, and the creation of fire breaks conducted around the Project perimeter. However, the vulnerable evacuees remain the same with a slight decrease in the number of evacuation vehicle trips. Under Fire Scenarios 2 with the Project, the time to safety for the vulnerable evacuees would decrease compared to existing conditions due primarily to the addition of evacuation route added with the Project. Under Fire Scenarios 2 and 4 all the existing community areas

would be outside the vulnerable areas with the addition of both the Project and Marble Valley Specific Plan.

For all fire scenarios, it would take less than about 20 minutes to move all the vulnerable evacuees (i.e., existing or project evacuees) to a safe location, which is less than the 30-minute fire progression shown in **Figures ES-1 through ES-4**. With the addition of the Project, the maximum total time to evacuate would remain the same or decrease for existing vulnerable evacuees. This is due to the increased access to evacuation routes and the slowed progression of the fire created by the removal of fuels and vegetation and fuels management activities occurring with the Project, which creates additional safe areas for vulnerable evacuees to access. Similarly, the effect of both the Project and Marble Valley Specific Plan would eliminate or reduce existing vulnerable populations and the maximum total time to evacuate.

Ordered Evacuation

The analysis results for the Ordered Evacuation are summarized in **Figures ES-5 through ES-8.**

For all fire scenarios, it would take less than 200 minutes to evacuate the study area. For all fire scenarios, the addition of Project evacuees would not increase the maximum total time to evacuate existing residents. This is due to the increase in available evacuation routes (i.e., more routes) and an increase in the availability of evacuation routes (i.e., routes remain viable for evacuation longer), and the slower progression of the fire due to hardened site conditions and removal of wildland fuels (i.e., from development), and vegetation and fuels management implemented as part of the project.

With the addition of both the Project and the Marble Valley Specific Plan, the total time to evacuate the existing evacuees would be like no project conditions. Again, this is due to the increased access to evacuation routes and the and the slower progression of the fire due to hardened site conditions and removal of wildland fuels (i.e., from development), and vegetation and fuels management implemented as part of the project.

The EVAC+[1] results do not include potential unknown factors that could produce much longer travel times such as road closures due to stalled or inoperable vehicles or other blockages such as falling trees.

Cumulative Conditions

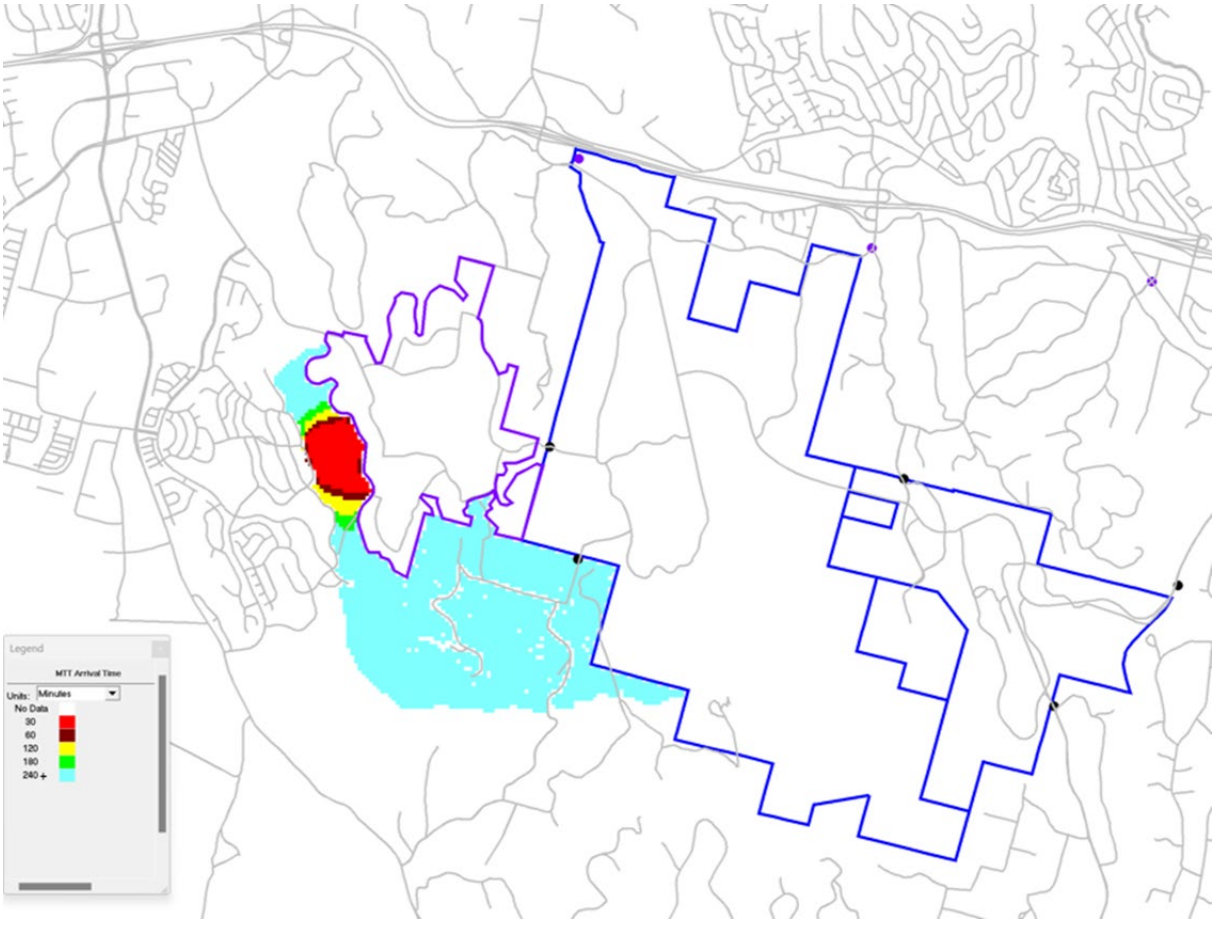
The analysis results presented above for existing conditions are applicable to cumulative conditions, since the Project and proposed Marble Specific Plan are the only significant development projects in the study area that would add substantial population and transportation facilities that may affect the evacuation routes that may be used by the existing communities.

[1] EVAC+ is a dynamic traffic assignment model, is built in TransCAD 8.0, sensitive to how demand flows in short periods of time affects the speed of travel on the roadway network and the resulting ability of individual roadway segments to accommodate that demand.

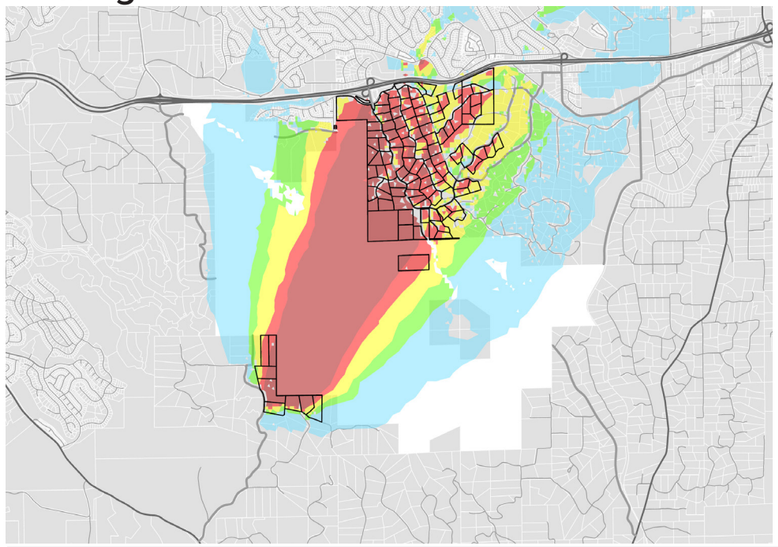
East Ridge Village is an approved planned residential development between the Project (i.e., to the west) and the existing Blackstone community, east of Latrobe Road. As a planned development, East Ridge Village was not assumed in the evacuation time estimates presented above. In addition, East Ridge Village does not include any full access roadway connections to the Project or to the evacuation routes shown on **Figure 2**.

However, future development of East Ridge Village would affect the behavior of Fire Scenario 16 by reducing the progression of the fire event under cumulative conditions. **Figure ES-9** shows the progression of Fire Scenario 16 with the addition of the approved East Ridge Village development. As shown, East Ridge Village would substantially delay the progression of the fire event to the point where the fire would take 200 or more minutes to reach the Marble Valley Specific Plan and the fire would not burn through to the Project or to existing communities to the east due to slower progression of the fire due to hardened site conditions and removal of wildland fuels (i.e., from development), and vegetation and fuels management implemented as part of East Ridge Village.

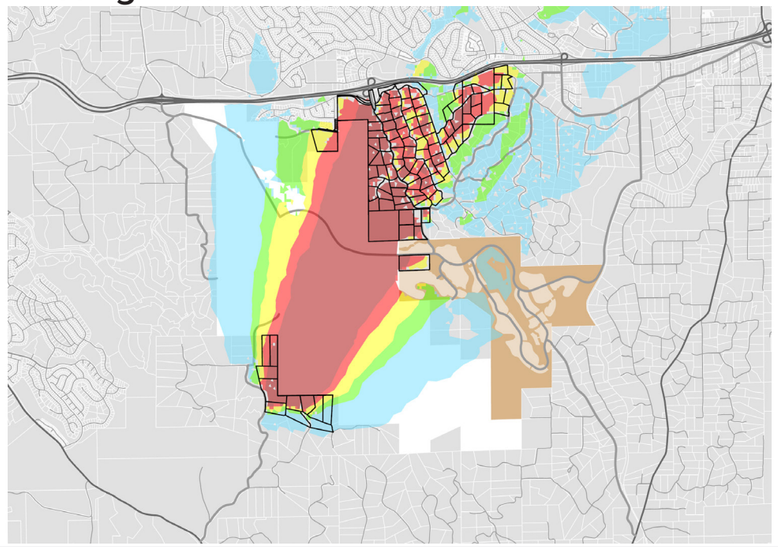
Figure ES-9: Fire Scenario 16 With Approved East Ridge Village Development



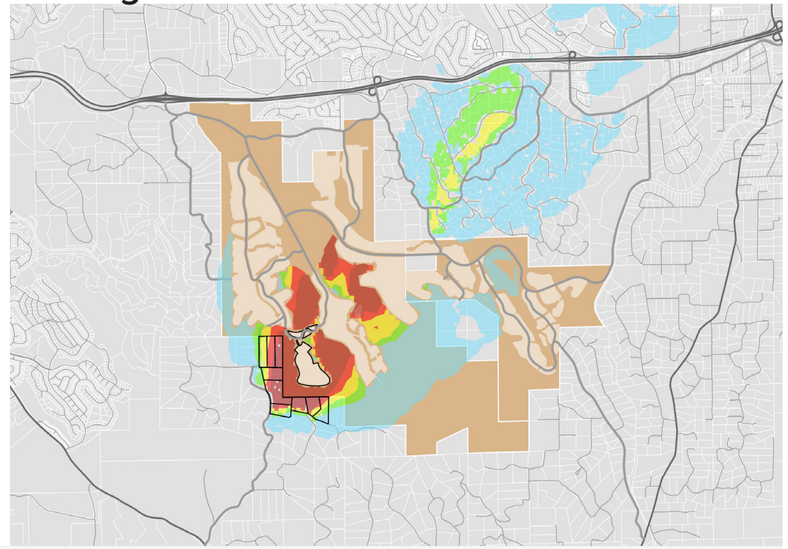
Existing



Existing Plus LRVSP



Existing Plus MVSP & LRVSP



Fire Progression (minutes): 30 | 60 | 120 | 180 | 240 | Project Area | Project Residential Area | Vulnerable Parcels | Evacuation Routes

Vulnerable Evacuees

108 Existing Population | **45** Existing Households | **20** Existing Employees

0 Project Population | **0** Project Households | **0** Project Employees

Evacuation Vehicle Trips

85 Existing Evacuees

Total Time to Safety (minutes)

18.1

Vulnerable Evacuees

108 Existing Population | **45** Existing Households | **20** Existing Employees

Evacuation Vehicle Trips

73 Existing Evacuees | **0** Project Only Evacuees

Total Time to Safety (minutes)

17.9

N/A

Vulnerable Evacuees

0 Existing Population | **0** Existing Households | **0** Existing Employees

264 Project Population | **100** Project Households | **0** Project Employees

Evacuation Vehicle Trips

0 Existing Evacuees | **189** Project Only Evacuees

Total Time to Safety (minutes)

N/A

19.1

Vulnerable evacuees are the population directly in the path of the fire (Red Area <= 60 minute fire progression). They are assumed to start self evacuation immediately, i.e., within 15 minutes of fire.

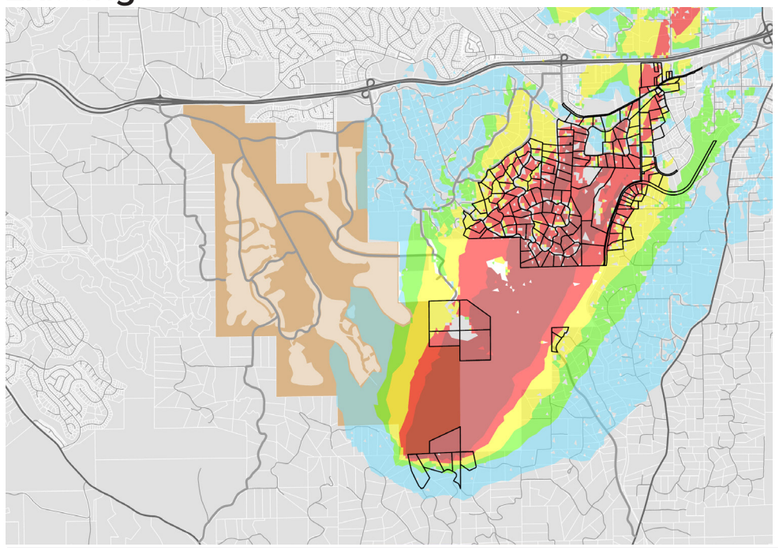
Travel time to safety is defined as the time required for the vulnerable evacuees to exit the red area.

Figure ES1

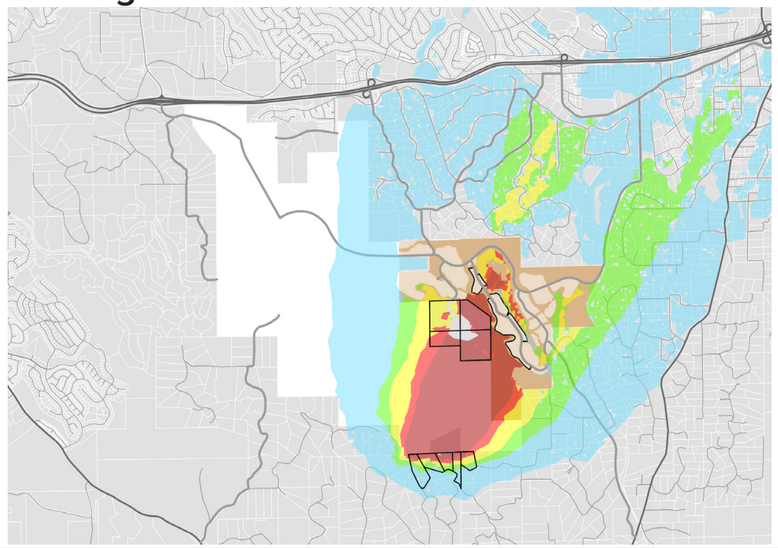
Travel Time to Safety for Vulnerable Evacuees Fire Scenario 2

Evacuation Begins at 11am

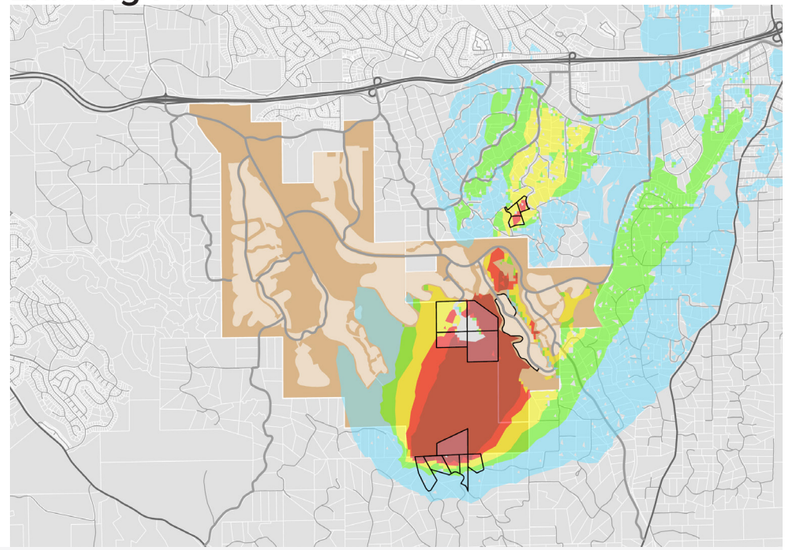
Existing



Existing Plus LRVSP



Existing Plus MVSP & LRVSP



Fire Progression (minutes): 30 | 60 | 120 | 180 | 240 | Project Area | Project Residential Area | Vulnerable Parcels | Evacuation Routes

Vulnerable Evacuees

193 Existing Population | **80** Existing Households | **241** Existing Employees

404 Project Population | **160** Project Households | **0** Project Employees

Evacuation Vehicle Trips

212 Existing Evacuees

Total Time to Safety (minutes)

19.8

Vulnerable Evacuees

0 Existing Population | **0** Existing Households | **0** Existing Employees

404 Project Population | **160** Project Households | **0** Project Employees

Evacuation Vehicle Trips

0 Existing Evacuees | **303** Project Only Evacuees

Total Time to Safety (minutes)

N/A

18.2

Vulnerable Evacuees

0 Existing Population | **0** Existing Households | **0** Existing Employees

404 Project Population | **160** Project Households | **0** Project Employees

Evacuation Vehicle Trips

0 Existing Evacuees | **303** Project Only Evacuees

Total Time to Safety (minutes)

N/A

18.2

Vulnerable evacuees are the population directly in the path of the fire (Red Area <= 60 minute fire progression). They are assumed to start self evacuation immediately, i.e., within 15 minutes of fire.

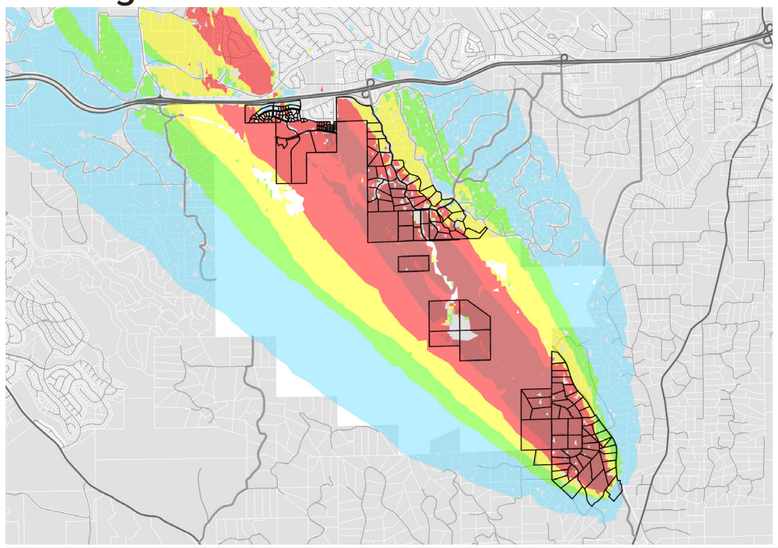
Travel time to safety is defined as the time required for the vulnerable evacuees to exit the red area.

Figure ES2

Travel Time to Safety for Vulnerable Evacuees Fire Scenario 4

Evacuation Begins at 11am

Existing



Vulnerable Evacuees

557 Existing Population **235** Existing Households **15** Existing Employees

323 Project Population **128** Project Households **0** Project Employees

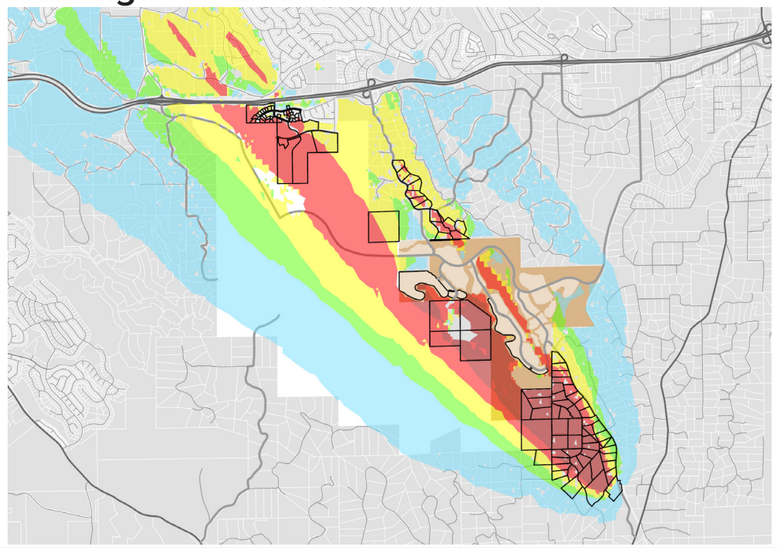
Evacuation Vehicle Trips

445 Existing Evacuees

Total Time to Safety (minutes)

20.4

Existing Plus LRVSP



Vulnerable Evacuees

284 Existing Population **119** Existing Households **1** Existing Employees

323 Project Population **128** Project Households **0** Project Employees

Evacuation Vehicle Trips

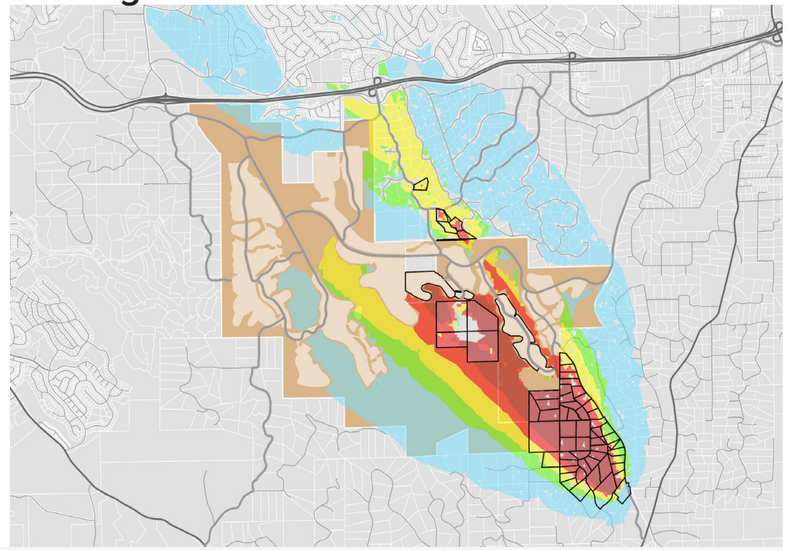
248 Existing Evacuees **243** Project Only Evacuees

Total Time to Safety (minutes)

19.9

18.2

Existing Plus MVSP & LRVSP



Vulnerable Evacuees

207 Existing Population **86** Existing Households **0** Existing Employees

323 Project Population **128** Project Households **0** Project Employees

Evacuation Vehicle Trips

163 Existing Evacuees **243** Project Only Evacuees

Total Time to Safety (minutes)

19.9

18.2

Fire Progression (minutes): 30 60 120 180 240 Project Area Project Residential Area Vulnerable Parcels Evacuation Routes

Vulnerable evacuees are the population directly in the path of the fire (Red Area <= 60 minute fire progression). They are assumed to start self evacuation immediately, i.e., within 15 minutes of fire.

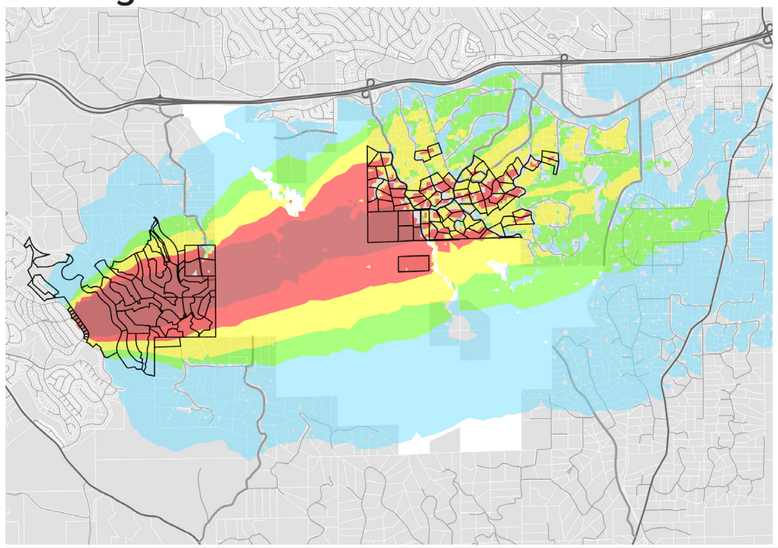
Travel time to safety is defined as the time required for the vulnerable evacuees to exit the red area.

Figure ES3

Travel Time to Safety for Vulnerable Evacuees Fire Scenario 7

Evacuation Begins at 7am

Existing



Vulnerable Evacuees

112 Existing Population
46 Existing Households
6 Existing Employees

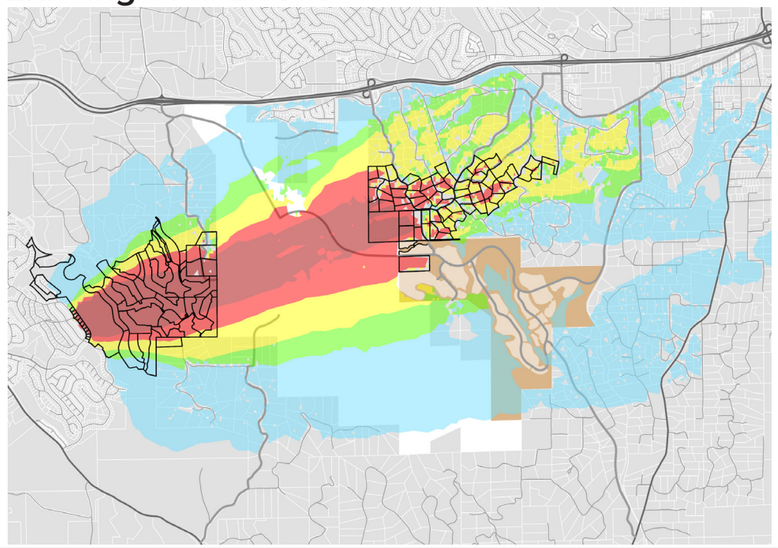
Evacuation Vehicle Trips

97 Existing Evacuees

Total Time to Safety (minutes)

17.7

Existing Plus LRVSP



Vulnerable Evacuees

105 Existing Population
42 Existing Households
6 Existing Employees
0 Project Population
0 Project Households
0 Project Employees

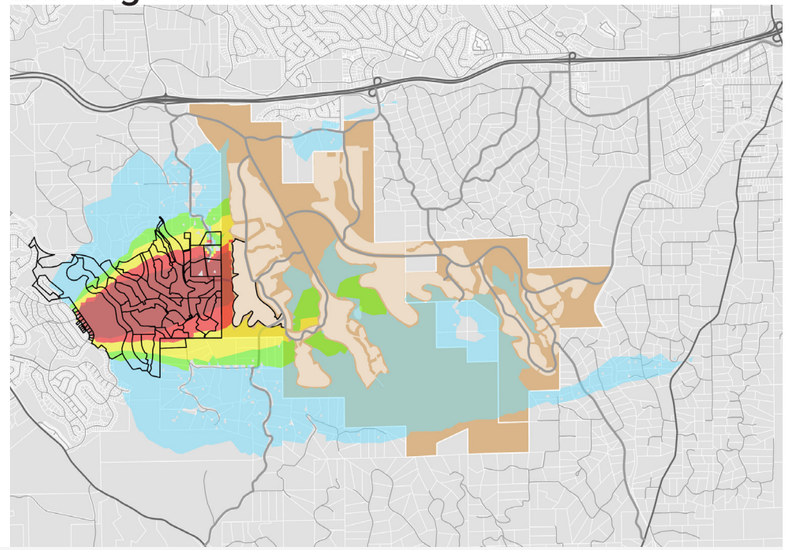
Evacuation Vehicle Trips

84 Existing Evacuees
0 Project Only Evacuees

Total Time to Safety (minutes)

17.7
N/A

Existing Plus MVSP & LRVSP



Vulnerable Evacuees

75 Existing Population
29 Existing Households
0 Existing Employees
124 Project Population
49 Project Households
0 Project Employees

Evacuation Vehicle Trips

55 Existing Evacuees
93 Project Only Evacuees

Total Time to Safety (minutes)

17.5
18.1

Fire Progression (minutes): 30 | 60 | 120 | 180 | 240 | Project Area | Project Residential Area | Vulnerable Parcels | Evacuation Routes

Vulnerable evacuees are the population directly in the path of the fire (Red Area <= 60 minute fire progression). They are assumed to start self evacuation immediately, i.e., within 15 minutes of fire.

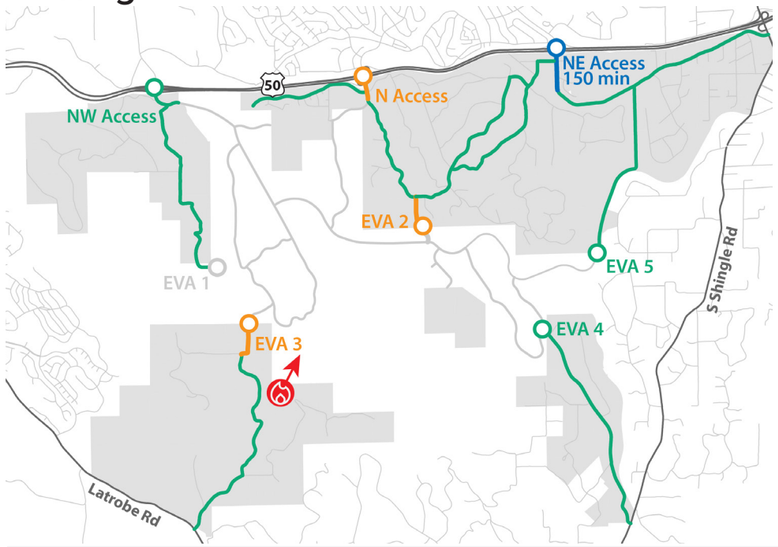
Travel time to safety is defined as the time required for the vulnerable evacuees to exit the red area.

Figure ES4

Travel Time to Safety for Vulnerable Evacuees Fire Scenario 16

Evacuation Begins at 1pm

Existing



Evacuees

2,804 Existing Population | **1,132** Existing Households | **1,090** Existing Employees

2,022 Project Population | **800** Project Households | **0** Project Employees

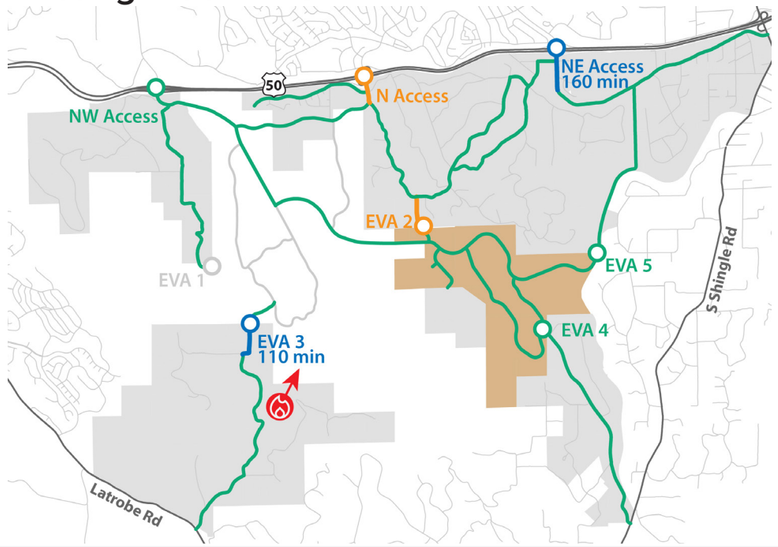
Evacuation Vehicle Trips

1,596 Existing Evacuees

Total Time to Evacuation (minutes)

188

Existing Plus LRVSP



Evacuees

2,804 Existing Population | **1,132** Existing Households | **1,090** Existing Employees

2,022 Project Population | **800** Project Households | **0** Project Employees

Evacuation Vehicle Trips

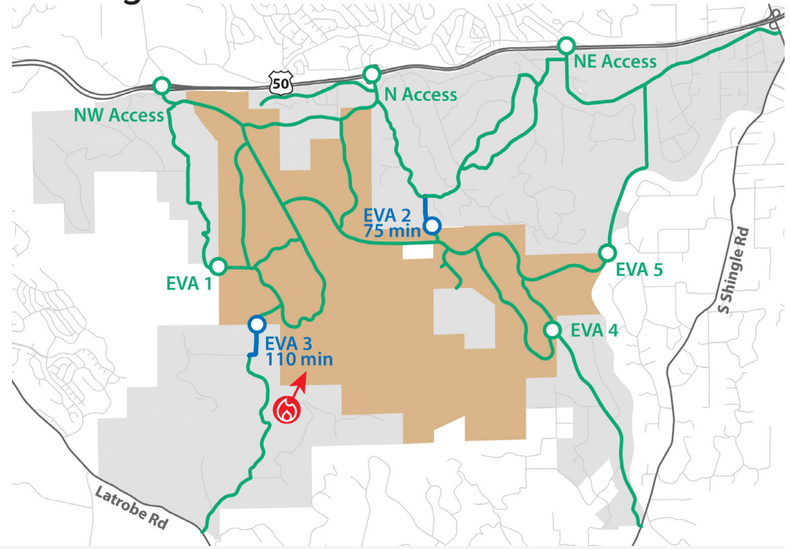
1,596 Existing Evacuees | **1,216** Project Only Evacuees

Total Time to Evacuation (minutes)

187

195

Existing Plus MVSP & LRVSP



Evacuees

2,804 Existing Population | **1,132** Existing Households | **1,090** Existing Employees

10,079 Project Population | **4,368** Project Households | **1,595** Project Employees

Evacuation Vehicle Trips

1,596 Existing Evacuees | **7,080** Project Only Evacuees

Total Time to Evacuation (minutes)

186

196

Fire Location and Wind Direction

Evacuation Routes: Available | Not Available | Partially Available (minutes)

Existing Evacuation Area | Project Evacuation Area

Evacuation window is 180 minutes.

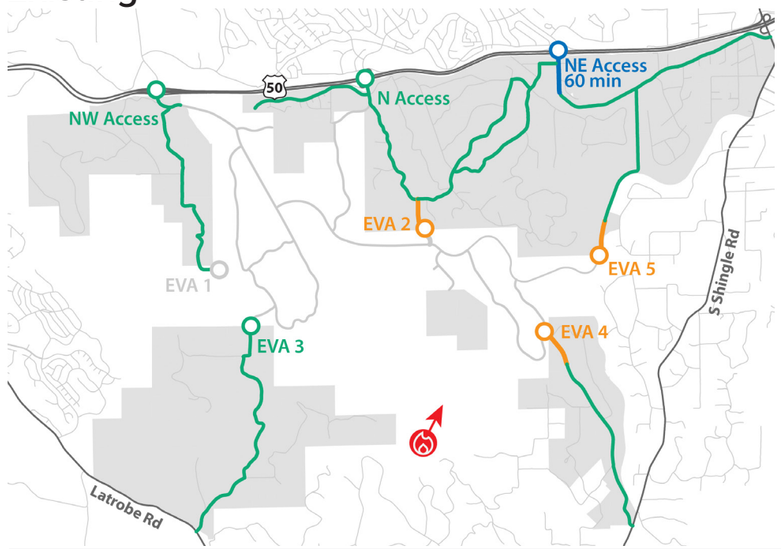
Total time required to evacuate is evacuation window + time required to exit the evacuation area for evacuees starting evacuation within the last 15 minutes.

Figure ES5

Total Travel Time to Evacuate to the Evacuation Area
Fire Scenario 2

Evacuation Window 11am - 2pm

Existing



Evacuees

2,804 Existing Population | **1,132** Existing Households | **1,090** Existing Employees

2,022 Project Population | **800** Project Households | **0** Project Employees

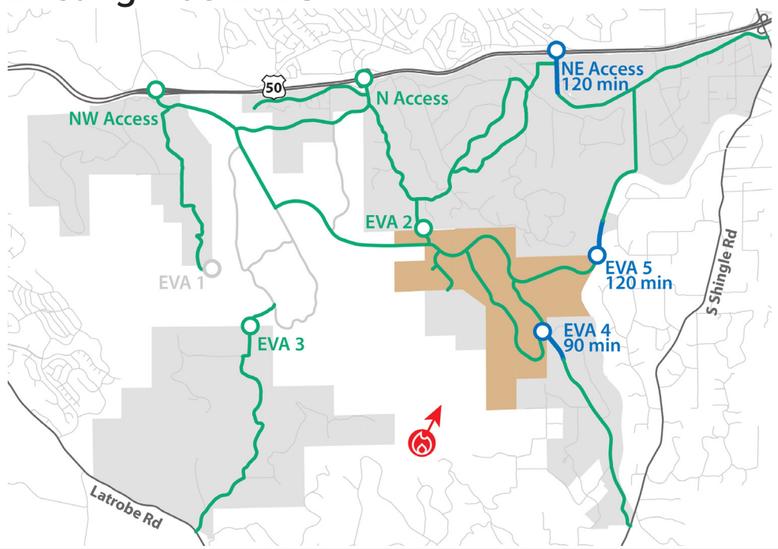
Evacuation Vehicle Trips

1,596 Existing Evacuees

Total Time to Evacuation (minutes)

187

Existing Plus LRVSP



Evacuees

2,804 Existing Population | **1,132** Existing Households | **1,090** Existing Employees

2,022 Project Population | **800** Project Households | **0** Project Employees

Evacuation Vehicle Trips

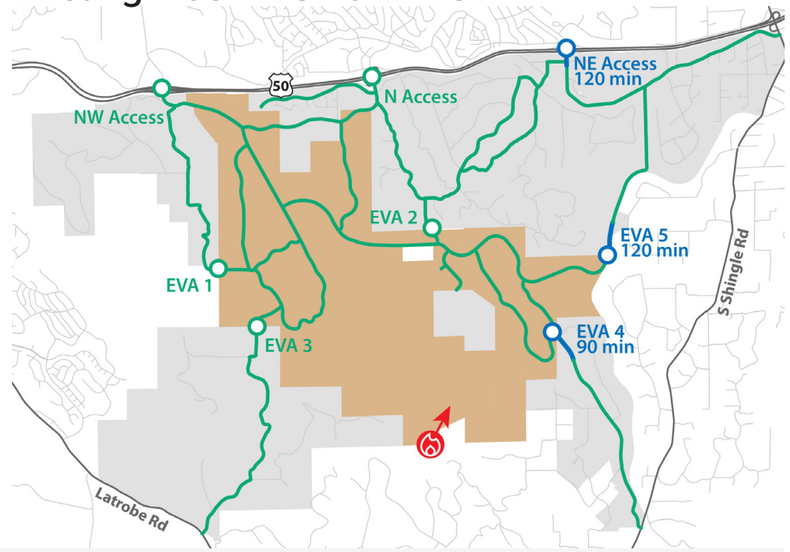
1,596 Existing Evacuees | **1,216** Project Only Evacuees

Total Time to Evacuation (minutes)

185

186

Existing Plus MVSP & LRVSP



Evacuees

2,804 Existing Population | **1,132** Existing Households | **1,090** Existing Employees

10,861 Project Population | **4,368** Project Households | **1,595** Project Employees

Evacuation Vehicle Trips

1,596 Existing Evacuees | **7,080** Project Only Evacuees

Total Time to Evacuation (minutes)

187

198

Fire Location and Wind Direction

Evacuation Routes: Available | Not Available | Partially Available (minutes)

Existing Evacuation Area | Project Evacuation Area

Evacuation window is 180 minutes.

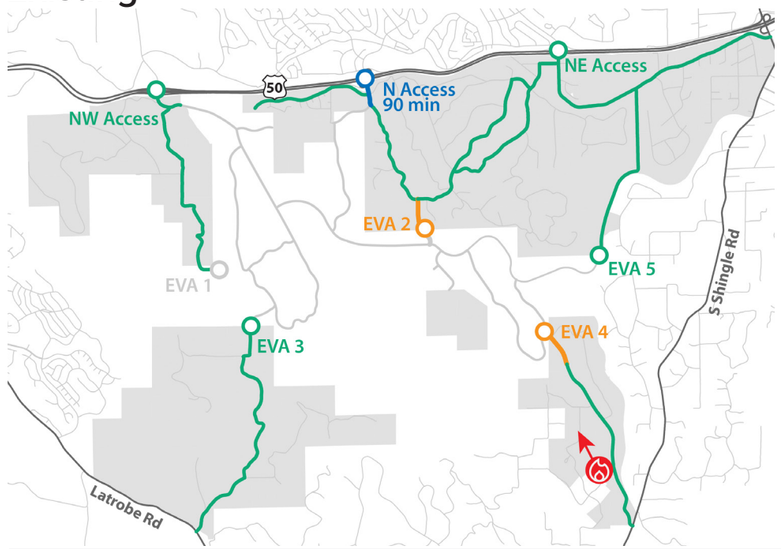
Total time required to evacuate is evacuation window + time required to exit the evacuation area for evacuees starting evacuation within the last 15 minutes.

Figure ES6

Fire Scenario 4

Evacuation Window 11am - 2pm

Existing



Evacuees

2,804 Existing Population | **1,132** Existing Households | **1,090** Existing Employees

2,022 Project Population | **800** Project Households | **0** Project Employees

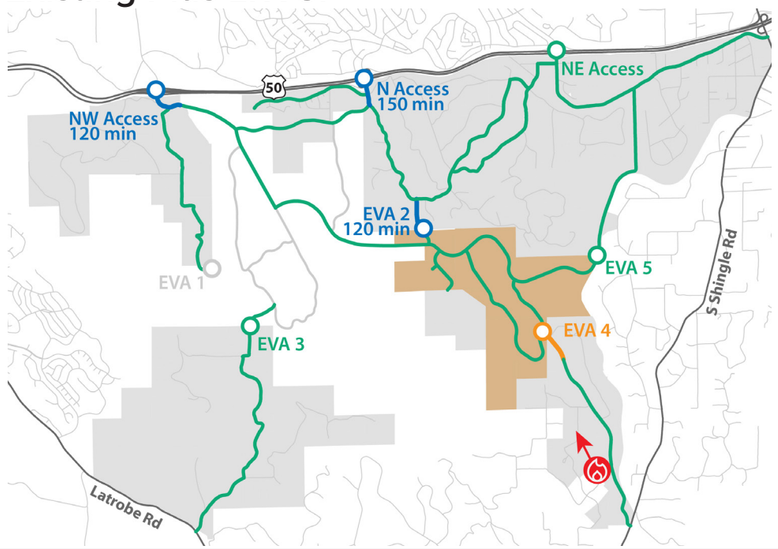
Evacuation Vehicle Trips

1,596 Existing Evacuees

Total Time to Evacuation (minutes)

188

Existing Plus LRVSP



Evacuees

2,804 Existing Population | **1,132** Existing Households | **1,090** Existing Employees

2,022 Project Population | **800** Project Households | **0** Project Employees

Evacuation Vehicle Trips

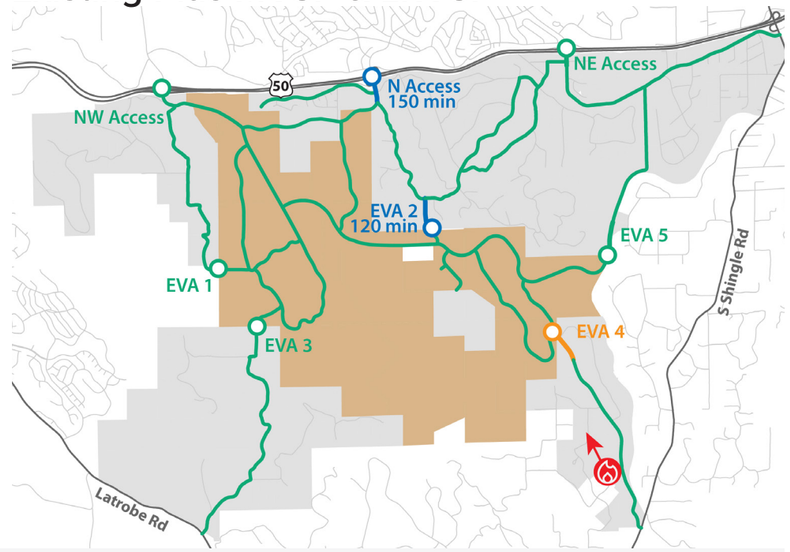
1,596 Existing Evacuees | **1,216** Project Only Evacuees

Total Time to Evacuation (minutes)

187

195

Existing Plus MVSP & LRVSP



Evacuees

2,804 Existing Population | **1,132** Existing Households | **1,090** Existing Employees

10,079 Project Population | **4,368** Project Households | **1,595** Project Employees

Evacuation Vehicle Trips

1,596 Existing Evacuees | **7,080** Project Only Evacuees

Total Time to Evacuation (minutes)

186

196

Fire Location and Wind Direction

Evacuation Routes: Available | Not Available | Partially Available (minutes)

Existing Evacuation Area | Project Evacuation Area

Evacuation window is 180 minutes.

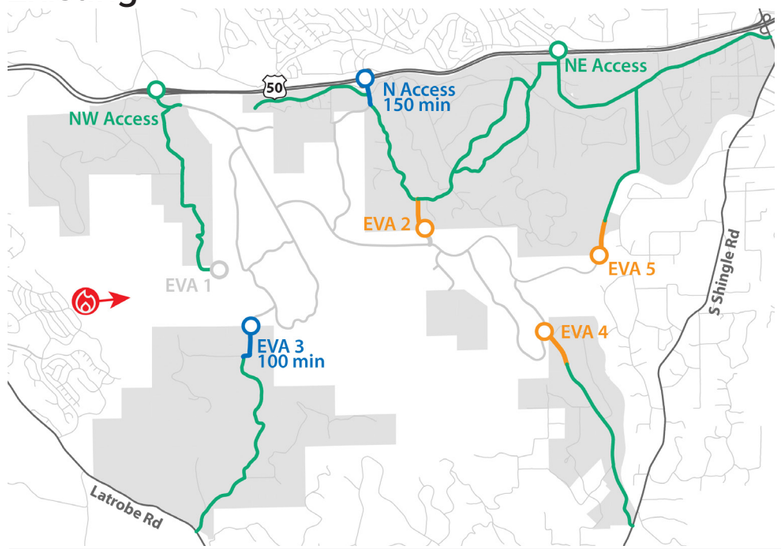
Total time required to evacuate is evacuation window + time required to exit the evacuation area for evacuees starting evacuation within the last 15 minutes.

Figure ES7

Fire Scenario 7

Evacuation Window 7am - 10am

Existing



Evacuees

2,804 Existing Population | **1,132** Existing Households | **1,090** Existing Employees

2,022 Project Population | **800** Project Households | **0** Project Employees

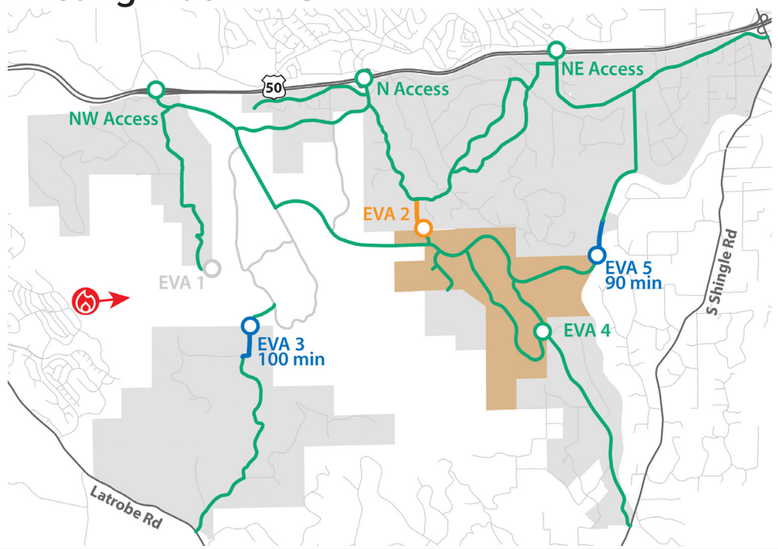
Evacuation Vehicle Trips

1,596 Existing Evacuees

Total Time to Evacuation (minutes)

188

Existing Plus LRVSP



Evacuees

2,804 Existing Population | **1,132** Existing Households | **1,090** Existing Employees

2,022 Project Population | **800** Project Households | **0** Project Employees

Evacuation Vehicle Trips

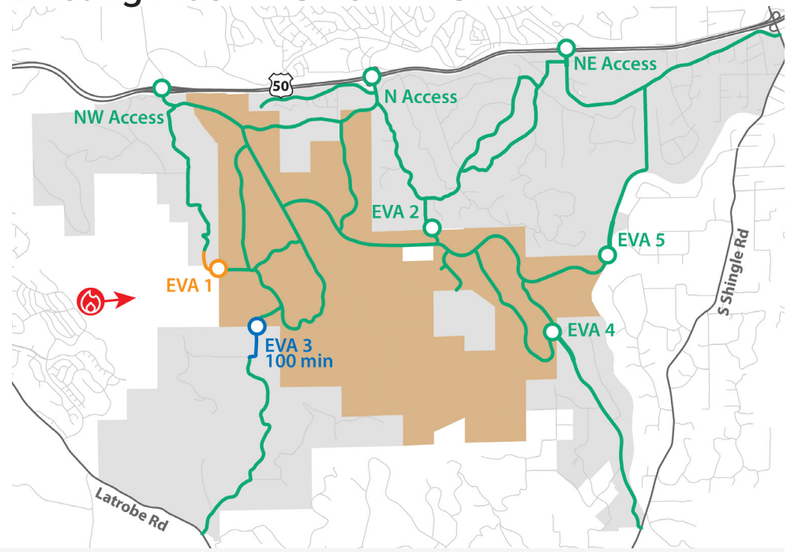
1,596 Existing Evacuees | **5,864** Project Only Evacuees

Total Time to Evacuation (minutes)

188

187

Existing Plus MVSP & LRVSP



Evacuees

2,804 Existing Population | **1,132** Existing Households | **1,090** Existing Employees

10,861 Project Population | **4,368** Project Households | **1,595** Project Employees

Evacuation Vehicle Trips

1,596 Existing Evacuees | **7,080** Project Only Evacuees

Total Time to Evacuation (minutes)

186

188

Fire Location and Wind Direction

Evacuation Routes: Available | Not Available | Partially Available (minutes)

Existing Evacuation Area | Project Evacuation Area

Evacuation window is 180 minutes.

Total time required to evacuate is evacuation window + time required to exit the evacuation area for evacuees starting evacuation within the last 15 minutes.

Figure ES8

Fire Scenario 16

Evacuation Window 1pm - 4pm

1. Introduction

This report presents the results of the wildfire evacuation time analysis conducted for the Lime Rock Valley Specific Plan Project (hereafter referred to as "Lime Rock Valley Specific Plan" or "Project") to comply with the requirements of the California Environmental Quality Act (CEQA), guidance provided by the Attorney General's office, and applicable/published court decisions.

This chapter describes the purpose of this document, describes the Project, summarizes the fire risk and behavior report that informs the evacuation analysis, outlines guidance from the Attorney General guidance and CalFire Regulations, defines fire hazard severity zones, summarizes consultation with local agency staff, discusses the limitations of the emergency evacuation assessment, and outlines the report organization.

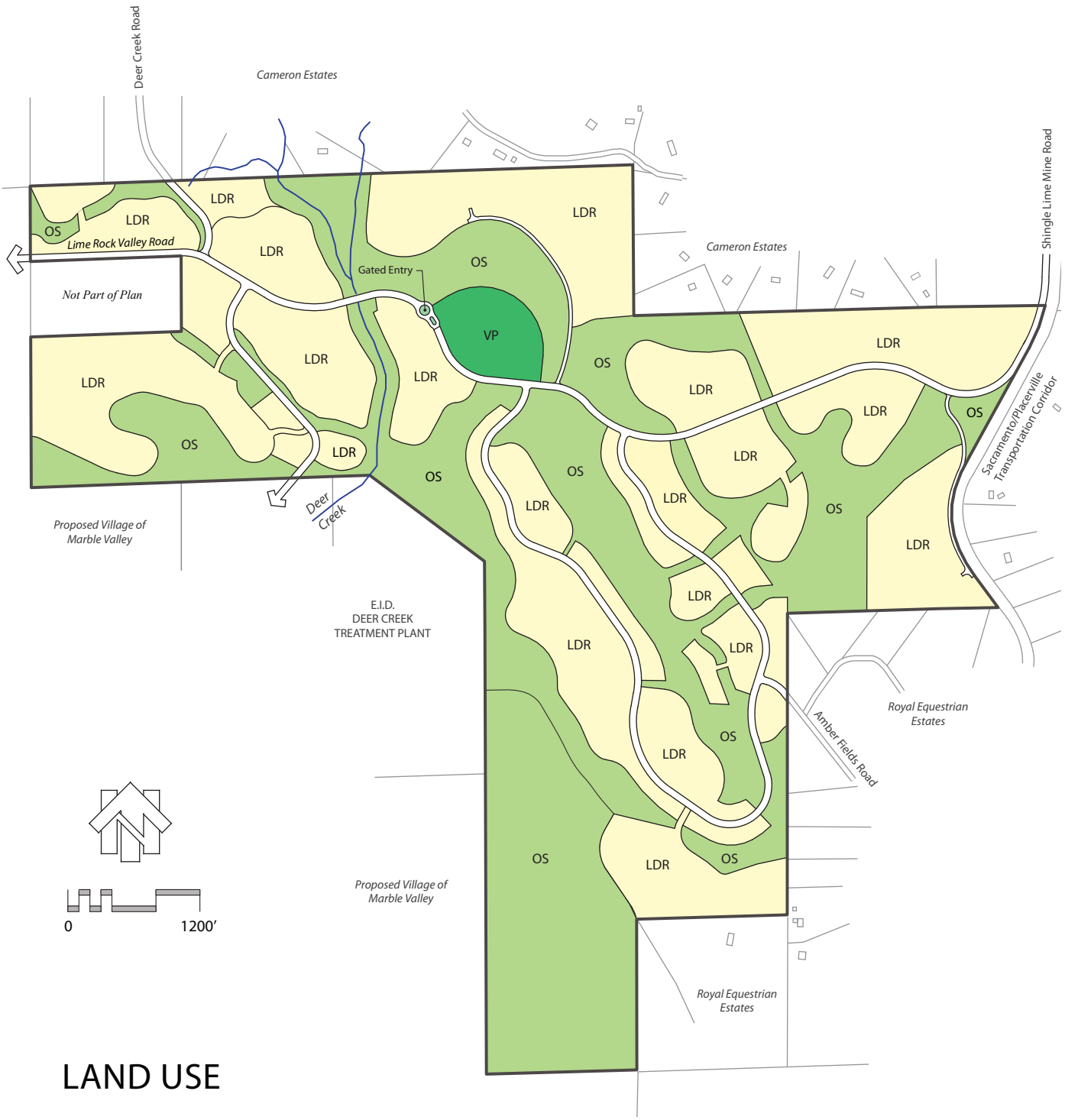
Purpose

The purpose of this wildfire evacuation assessment is to address CEQA guidance released by the Attorney General in response to recent California Environmental Quality Act (CEQA) court decisions whereby EIRs were deemed to be inadequate due to the lack of a sufficient analysis around the Project's effect on the ability of the local community to evacuate due to a wildfire or similar disaster.

Project Description

The Project includes the of up to 800 dwelling units, on approximately 360 acres, an eight-acre park plus additional neighborhood parks, and about 333 acres of public and private open space. The total site is approximately 740 acres. The Project expands the Community Region of El Dorado Hills to include the Project area and to rezone existing districts.

US 50 access will be through the US 50 / Bass Lake Road and US 50 / Cambridge Road interchanges. Marble Valley Parkway is proposed as a continuous roadway connecting the Bass Lake Road and Cambridge Road interchanges. Access to the US 50 / Bass Lake Road and US 50 / Cambridge Road interchanges will be provided by Marble Valley Parkway, Marble Lake Boulevard, and Lime Rock Valley Road. A portion of Marble Valley Parkway is outside the plan area. Marble Lake Boulevard, which is planned as a four- to two-lane roadway, will connect Marble Valley Parkway and Lime Rock Valley Road. Lime Rock Valley Road will extend east of Marble Lake Boulevard to the Project as a two-lane roadway. Marble Lake Boulevard will be four lanes from US 50 to just south of Marble Valley Parkway. Major intersections along Marble Lake Boulevard are planned to have roundabout control. **Figure 1** shows the Project and backbone roadway network.



LAND USE

LDR	Low Density Residential
VP	Village Park
OS	Open Space

N:\2022 Projects\4228.00_Wildfire_Evac_Study_Marble_Valley\Graphics\AI

Figure 1

Proposed Project

Wildland Evacuation Fire Risk and Behavior Report

Firesafe Planning Solutions prepared a wildland fire risk report for the Lime Rock Valley Specific Plan, *Wildland Fire Evacuation Risk Report, Fire Behavior – The Lime Rock Valley Project*, to assess the risk related to wildfires and the intensity of a wildfire approaching the Project site and covers the following topics:

- Current Environmental Conditions – Identifies the location of the project site and adjacent wildland and agencies responsible for fire protection. The fire risk and behavior report presents the existing vegetation on and near the Project beginning on Page 9.
- Wildfire Hazard and Risk Analysis – Analyzes the likelihood and intensity of wildfire hazards and the risk/vulnerability of the project to wildfire hazards. The fire risk and behavior report discusses the wildland fuels on and near the Project beginning on Page 29.
- Project Impacts Related to Wildland Fires – Analyzes the project design relative to wildfire events and incorporates the fire history of the project area, weather (i.e., temperature, relative humidity, wind), fuel (i.e., wildland and built environment), geography (i.e., slope, aspect, elevation), vegetation and fuels management included in the proposed Project, and historical fire activity. The fire risk and behavior report discusses the effect of the Project on wildland fire behavior beginning on Page 50.
- Water Supply and Infrastructure – Describes the existing and proposed water supply and infrastructure, beginning on Page 69.
- Fire Protection Resources – Identifies the existing and proposed fire protection resources available to serve the proposed Project, beginning on Page 72.
- Risk Reduction Measures – Outlines risk reduction measures required by code, ordinance, and standards as well as additional elements of the proposed Project that reduce wildfire risk for the Project site and existing communities. This discussion begins on Page 78.

This wildland fire risk report provides the results of that assessment and objective hazard and risk assessments that can be used to establish the community risk reduction measures (hazard less reduction measures = risk) that are equal to or greater than the hazards that would be encountered in a worst-case scenario. The analysis considers existing/future vegetative interface fuels, topography, fire, and weather conditions during extreme fire conditions. The report provides results of computer modeling that measured the fire intensity, flame lengths, rate of spread, and fire travel distance (arrival times) from worst-case scenario wildfires in both the extreme (Diablo wind) and the predominant (Onshore wind) wind conditions.

The results of fire behavior modeling have been incorporated into the analysis of the interfaces of the project with adjacent wildlands and the potential ingress/egress routes used by the Project site daily and under emergency conditions where evacuation might be necessary. **Appendix A** includes the *Wildland Fire Evacuation Risk Report, Fire Behavior – The Lime Rock Valley Project*.

Attorney General Guidance

On October 10, 2022, the Attorney General's office published *Best Practices for Analyzing and Mitigating Wildfire Impacts of Development Projects Under the California Environmental Quality Act* (AG Guidance). The AG Guidance is designed to help lead agencies comply with CEQA when considering whether to approve projects in wildfire-prone areas. The guidance provides "*suggestions for how best to comply with CEQA when analyzing and mitigating a proposed project's impacts on wildfire ignition risk, emergency access, and evacuation*."

The AG Guidance describes CEQA's requirements in the following two analysis categories.

- Analyzing Impact on Wildfire Risk
- Analyzing Impact on Evacuation & Emergency Access

Section IV.B of the AG guidance outlines variables that should be considered in the analysis of impact on wildfire risk related to the following project characteristics.

- Project Density
- Project Location in the Landscape
- Water Supply and Infrastructure

This information is included in the fire risk and behavior report.

Section IV.C of the AG Guidance contains the following recommendations regarding evacuation and emergency access. Specifically, evacuation modeling and analysis should include the following:

- Evaluation of the capacity of roadways to accommodate project and community evacuation and simultaneous emergency access.
- Assessment of the timing for evacuation.
- Identification of alternative plans for evacuation depending upon the location and dynamics of the emergency.
- Evaluation of the project's impact on existing evacuation plans.
- Consideration of the adequacy of emergency access, including the project's proximity to existing fire services and the capacity of existing services.
- Traffic modeling to quantify evacuation time estimates under various likely scenarios.

The evacuation analysis contained in this report addresses the recommendations in Section IV.C of the AG Guidance.

CalFire Regulation Compliance

The El Dorado Hills Fire Department is the current service provider on the west side of the Project and the El Dorado County Fire Protection District is the current service provider to the east side of the Project.

If approved, the LAFCO will examine the current boundaries and adjust them to provide for the "natural service provider" based on each agency's ability to provide the services to the new areas. The Project Site includes a fire station site, which may be a relocation of Fire Station 92 (Ryan Ranch) that is currently unstaffed. **Appendix A** includes the *Wildland Fire Evacuation Risk Report, Fire Behavior – The Lime Rock Valley Project*, provides additional discussion of fire protection resources.

Overall wildland fire jurisdiction is classified as FRA (Federal Responsibility Area), SRA (State Responsibility Area) or LRA (Local Responsibility Area). FRA is federal land, (i.e., a national forest). SRA is land with the State of California that the state has the primary responsibility for wildland fire protection. CalFire provides that service for SRA in El Dorado County. LRA is land within incorporated cities and unincorporated land within the county that does not meet the criteria for inclusion in the SRA (i.e., normally developed to a density that makes it urban).

The Project is located on lands designated as a State Responsibility Area (SRA), where CalFire is the primary emergency response agency responsible for wildland fire protection. As a result, the Project must comply with state requirements for wildfire protection and safety, as reviewed and approved by CalFire. These state requirements include State Minimum Fire Safe Regulations, California Building and Residential Codes (Materials and Construction Methods for Exterior Wildfire Exposure), and California Fire Code Chapter 49 (Requirements for Wildland-Urban Interface Areas).

Fire Hazard Severity Zones

Fire Hazard Severity Zones (FHSZ) are currently based on potential fuels, fire weather conditions, and terrain and represent potential fire hazard exposure to structures and other human infrastructure assets. FHSZ areas are adopted as a Title 14 regulation, fulfill the obligations laid out in Public Resources Code (PRC) Sections 4201-04, and are essential in various fire safety regulations, building construction standards, and real estate hazard disclosure requirements. These zones were determined in November 2007 for SRA and September 2008 for LRA and are currently in the process of being revised by CalFire (CalFire Website). The 2007 Fire Severity Zone Map is provided in the Reference section of the *Wildland Fire Evacuation Risk Report, Fire Behavior – The Lime Rock Valley Project*, in **Appendix A**. New "draft" maps are out for review for the SRA areas for the entire state. As proposed in the new maps (November 21, 2022), the Protect site and adjacent lands are classified as Very High and High Fire Hazard Severity Zones. Adoption of the new maps is anticipated in 2024. Changes (due to the comment period) are not expected for the Project site.

Local Agency Consultation

The following emergency service providers and agency staff were consulted during the preparation of the fire behavior analysis and the evacuation assessment:

- El Dorado Hills Fire Department – Fire Chief, Maurice Johnson and Division Chief/Fire Marshal, Chrishana Fields.
- El Dorado County Fire Protection District – Fire Chief, Tim Cordero.
- El Dorado County Office of Emergency Services (OES) – Sergeant, Leslie Schlag.
- CalFire (Amador/El Dorado Unit) – Battalion Chief Wildfire Resiliency Program, Jeff Hoag.
- El Dorado County Department of Transportation – Supervising Civil Engineer, Adam Bane and Senior, Civil Engineer Dave Spiegelberg.

On November 10, 2022, a coordination meeting was held to review the input assumptions to the fire behavior analysis, including existing/future vegetative interface fuels, topography, fire, weather conditions, evacuation routes (primary routes and emergency vehicle access), and the evacuation area. The input assumptions and feedback received during this coordination meeting were incorporated in the analysis presented in the *Wildland Fire Evacuation Risk Report, Fire Behavior – The Lime Rock Valley Project* (**Appendix A)**, and the evacuation time estimates presented in this report.

In February 2023, coordination with El Dorado County Department of Transportation (DOT) was initiated to identify input parameters for the evacuation time estimates assessments. These parameters included identification of appropriate fire scenarios, time period for evacuation analysis, evacuation area, evacuation routes, data on recent evacuation events, and availability of fire protection and evacuation plans. DOT delegated input on these parameters to the emergency providers (e.g., Fire Departments and County OES). Email correspondence on February 23, 2023.

Coordination with El Dorado County Office of Emergency Services (Sergeant Leslie Schlag) included a coordination meeting on April 19, 2023, to discuss post evacuation experience to support the evacuation time estimates, including the various stages of evacuation and the time required for evacuations. Email correspondence on June 7, 2023, confirmed Tahoe Basin and South Lake Tahoe evacuation performance during the Caldor Fire. Key input relevant to the evacuation time estimate assessment included the duration of the evacuations in the Tahoe Basin during the Caldor Fire. The evacuation of the Tahoe Basin was planned and conducted in stages. The evacuation of the entire Tahoe Basin took about 10 hours, and the staged evacuation of the City of South Lake Tahoe took approximately three hours, with over two and a half hours of stop-and-go conditions.

In addition to local agency consultation, a survey of first responders and emergency service professionals that had participated in the Camp Fire (Butte County) response or currently work in the region was

circulated to gather travel time estimates on Skyway (i.e., the primary evacuation route serving the City of Paradise) between the City of Paradise and the City of Chico during the Camp Fire. A key finding of this survey, relevant to the evacuation time estimate assessment, was the duration of the evacuation. Based on the responses, during the Camp Fire, roughly 30,000 to 50,000 people evacuated, and first responders observed two to five hour evacuation times for evacuees on Skyway to get from Neal Road in the City of Paradise to Bruce Road in the City of Chico. Full survey responses can be found in **Appendix B**.

Disclaimer – Limitations of Emergency Evacuation Assessment

Emergency evacuations can occur due to a variety of events. Any emergency movement involves some uncertainty because individual behavior depends on personal risk assessment for the specific type of emergency event and associated evacuation instructions that will be specific to the context of that event. As such, this assessment is intended to provide a broad understanding of the travel time expectations during an evacuation scenario and what effect the Lime Rock Valley Specific Plan project will have on those times. The analysis does not provide a guarantee that evacuations will follow modeling that is used for analysis purposes, nor does it guarantee that the findings are applicable to any or all situations. The analysis will isolate the general effect of the project on evacuation travel times.

Moreover, as emergency evacuation assessment is an emerging field, there is no established standard methodology and there is no established standard for the appropriate length of time to evacuate an area. Fehr & Peers has adopted existing methodologies in transportation planning that, in our knowledge and experience, we believe are the most appropriate. Nevertheless, such methodologies are necessarily also limited by the tools and data available, and by current knowledge and state of the practice.

This assessment is intended to help the county better understand the project's effect on evacuation travel time. As such, the results are based on a set of scenarios and modeling. Fehr & Peers cannot and does not guarantee the efficacy of the analysis beyond a general assessment of the project's effect on evacuation travel time. Any other use of the information would be beyond our professional duty and capability given the uncertainty of evacuation events and analysis limitations noted above.

Report Organization

The following chapters are included in this report to address the Attorney General's guidelines for evaluating evacuation impacts of the proposed Project:

Chapter 1 – Introduction includes the purpose of this document, Project description, consultation with local agency staff, discusses the limitations of the emergency evacuation assessment, and outlines the report organization.

Chapter 2 – Evacuation Scenarios describes the evacuation scenarios used to analyze the evacuation time of the Project and the Project's effect on the ability of the local community to evacuate due to a wildfire or similar disaster.

Chapter 3 – Methodology describes the evacuation time methodology, including the evacuation area and evacuation routes, the evacuation model, and evacuation vehicle trip demand.

Chapter 4 – Evacuation Time Estimates describes the evacuation time results for various evacuation scenarios.

2. Evacuation Scenarios

This chapter presents the study area and evacuation scenarios used for the evacuation assessment.

Fehr & Peers, in coordination with Firesafe Planning Solutions, emergency service providers, and fire agencies identified study area and evacuation routes for analysis, which are shown on **Figure 2**.

The evacuation assessment includes the following four development scenarios:

- No Project – Represents existing conditions (i.e., existing residents).
- Lime Rock Valley Specific Plan – Represents existing conditions with buildout of the Lime Rock Valley Specific Plan.
- Marble Valley Specific Plan – Represents existing conditions with buildout of the Marble Valley Specific Plan.
- Lime Rock Valley & Marble Valley Specific Plans – Represents existing conditions with buildout of both the Lime Rock Valley and Marble Valley Specific Plans.

Study Area

The study area, which was developed through consultation with emergency service providers and agency staff as outlined above, includes the area generally bounded by US 50, Latrobe Road, and South Shingle Road. Labeled as evacuation corridors, these facilities represent the destination for evacuees when considering the evacuation of the entire study area. The shaded parcels in **Figure 2** represent the area that would potentially be evacuating simultaneously with the Project evacuees and may be using the same routes to exit the evacuation area. Actual evacuation areas will depend on the origin and behavior characteristics of the fire event and the evacuation order issued in response to the event.

Evacuation Routes

As shown in **Figure 2**, the Project site includes two general use access points that will be used daily for ingress and egress that will connect to US 50 at the Bass Lake Road and Cambridge Road interchanges. Five EVA (Emergency Vehicle Access) points are identified, with three primarily serving the Lime Rock site and two primarily serving the Marble Valley site, but all of which could be used by either project. The five EVAs are identified below:

- EVA 1 – Connection to Diablo Trail/Marble Ridge Road under existing conditions with a potential future connection to the approved East Ridge Village project.
- EVA 2 – Connection to Deer Creek Road (gate-controlled neighborhood).
- EVA 3 – Connection to China Diggins Road/Ryan Ranch Road.

- EVA 4 – Connection to Amber Fields Drive (gate-controlled neighborhood).
- EVA 5 – Connection to Shingle Lime Mine Road.

The evacuation analysis assumes that all five EVAs outlined above are available for evacuation with the use of an EVA depending on the specific fire scenario being analyzed.

Additional future EVAs would be provided through the approved East Ridge Village project that would provide access to Latrobe Road and to Valley View Parkway. The future EVAs would also be available to the East Ridge Village and Blackstone communities for evacuation (i.e., to the east) and access by emergency responders.

All EVA roadways will be required to meet Public Resources Code (PRC) Section 4290 requirements (e.g., road width, compaction rating, slope, surface material, gates, etc.), which may require off-site improvements to bring existing roadways up to standard.

Evacuation Window

The evacuation time window is the time between when the evacuation order is received, and the time evacuees must begin their evacuation. This does not represent the total time required to evacuate the study area as the total time needed for evacuation will be longer due to distance traveled to exit the evacuation area and congestion.

For this study, a 3-hour evacuation window (i.e., 180 minutes) is used based on the input received from El Dorado County Office of Emergency Services (Sergeant Leslie Schlag), regarding the time to evacuate the City of South Lake Tahoe during the Caldor Fire, and the survey of first responders and emergency service professionals that participated in the Camp Fire in Butte County.

The evacuation window does not apply to self-evacuation, which represents the evacuation of populations in the direct path of the fire where advanced notice is not available due to the fire's progression.

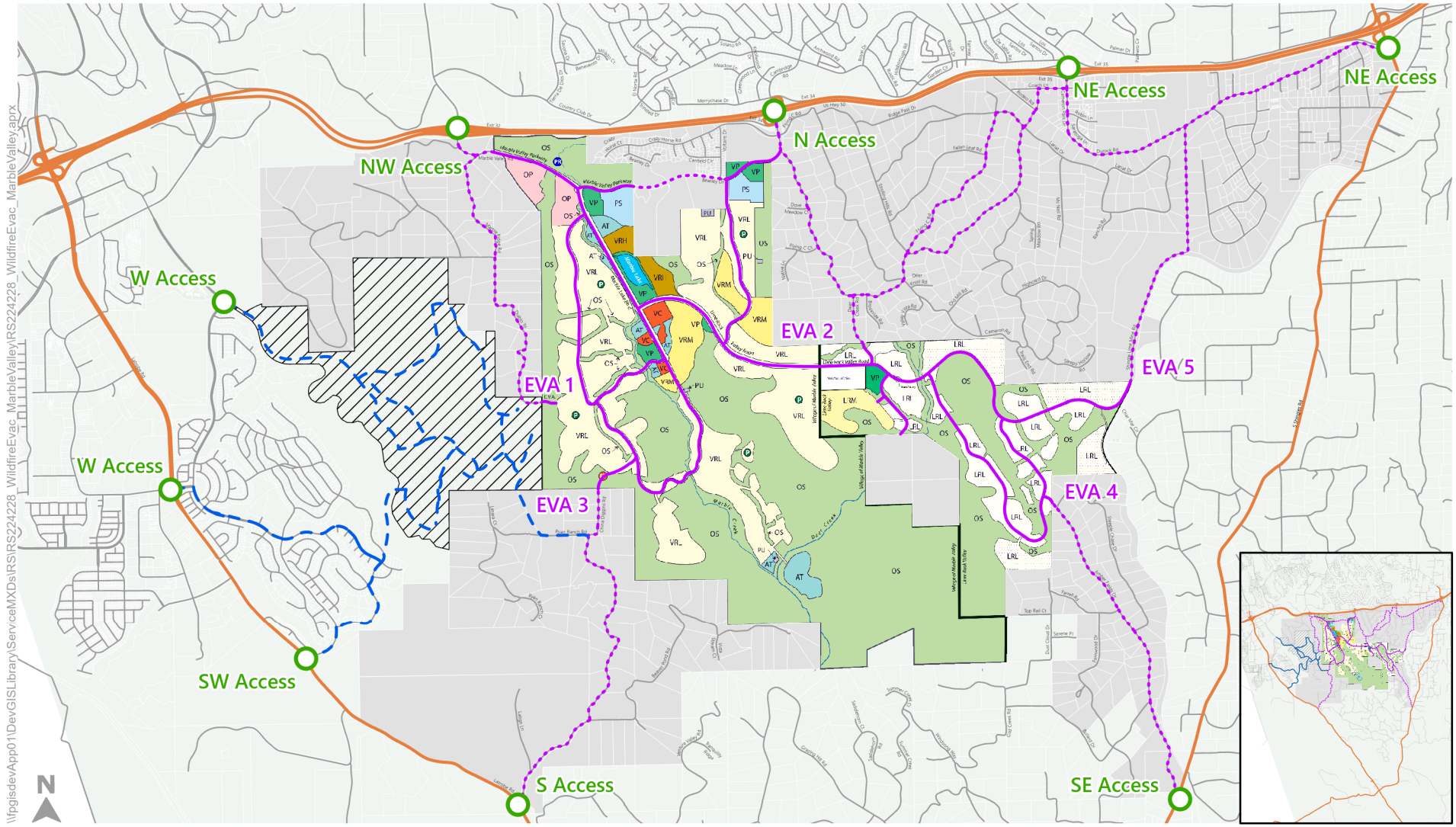


Figure 2

* Evacuation area shown are "potential" areas. Actual evacuation areas with depend on the origin and behavior characteristics of the fire event and the evacuation order issues in response to the event.

Study Area and Evacuation Routes

Study Fire Scenarios

Firesafe Planning Solutions conducted fire behavior modeling for 16 locations surrounding the study area and included different wind direction and speed assumptions, resulting in a total of 33 fire scenarios. Each scenario also includes analysis for no project, with Lime Rock Valley, with Marble Valley, and with both projects resulting in a total of 132 scenarios. **Figure 3** shows the fire behavior modeling locations. Please refer to **Appendix A,** which includes the *Wildland Fire Evacuation Risk Report, Fire Behavior – The Lime Rock Valley Project*, which summarizes the detailed results of the fire behavior modeling for the 132 scenarios. Each scenario includes how long it will take the fire to reach each evacuation route and the routes that will not be available during a fire scenario.

Fehr & Peers screened all the fire scenarios developed by Firesafe Planning Solutions to identify a worst case set of fire scenarios to use for the evacuation time estimates. The screening considered the availability of evacuation routes and affected area under existing (i.e., no Project) conditions and existing condition with the addition of the Project. Based on this screening, the fire scenarios developed from Locations 2, 4, 7, and 16, shown on **Figure 3**, were selected for the evacuation time estimate assessment. These four scenarios were selected because they would produce the fewest routes available for evacuation for the shortest amount of time. The evacuation performance of the other fire scenarios would be similar to or better than these scenarios. Therefore, detailed analysis is not necessary and their performance can be inferred using the results of the worst-case fire scenarios. **Figures 4 through 7** show the progression of each fire event over time for Fire Scenarios 2, 4, 7, and 16, respectively, for the following analysis conditions:

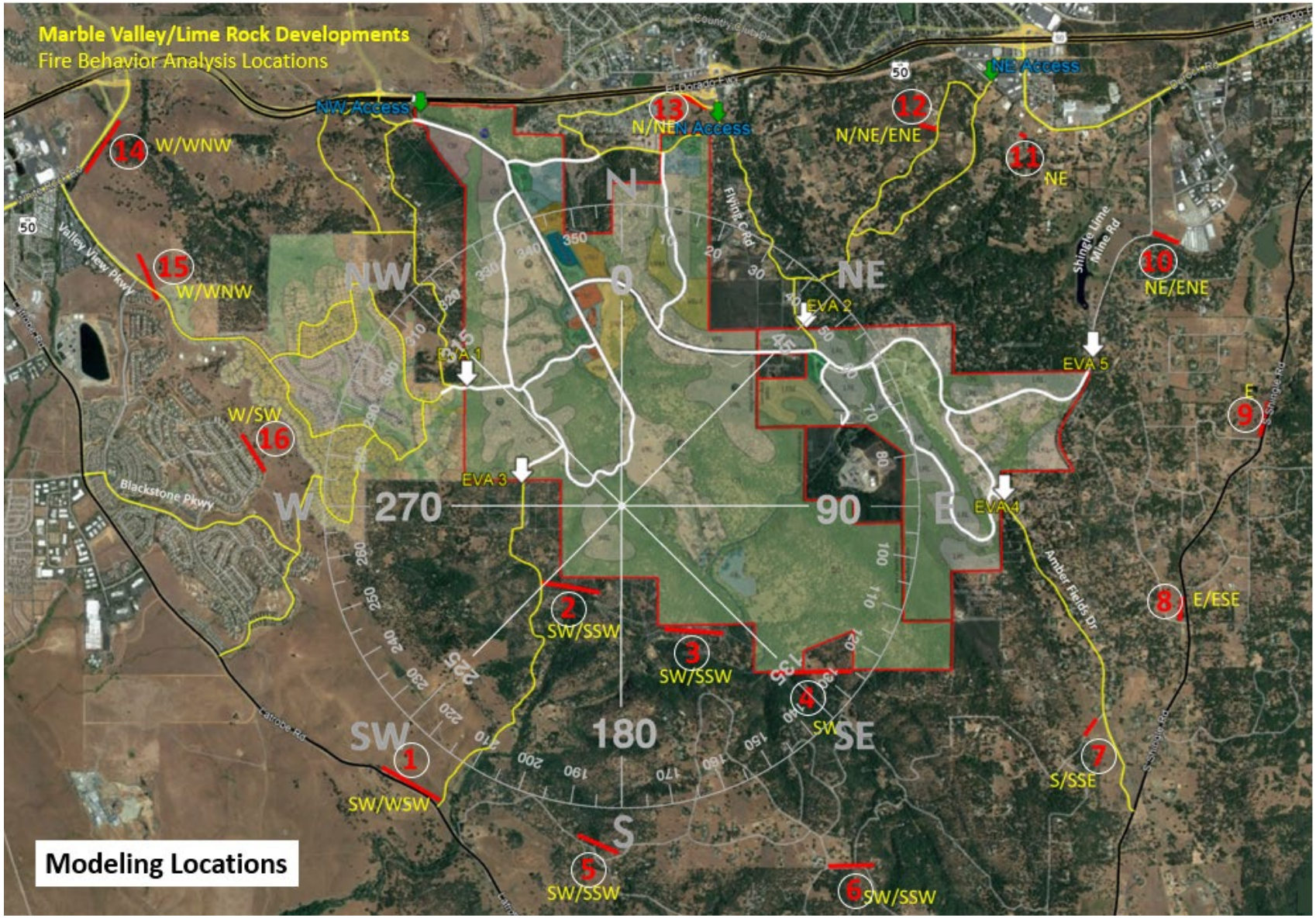
- No Project – Represents existing conditions (i.e., existing residents).
- Lime Rock Valley Specific Plan – Represents existing conditions with buildout of the Lime Rock Valley Specific Plan.
- Marble Valley Specific Plan – Represents existing conditions with buildout of the Marble Valley Specific Plan.
- Lime Rock Valley & Marble Valley Specific Plans – Represents existing conditions with buildout of both the Lime Rock Valley and Marble Valley Specific Plans.

Table 1 summarizes the fire analysis scenarios, including the fire origin, the wind direction, and wind speed. For each fire scenario, **Table 1** summarizes the availability of each evacuation route and the time the route is available for evacuation. Each evacuation route is categorized as follows:

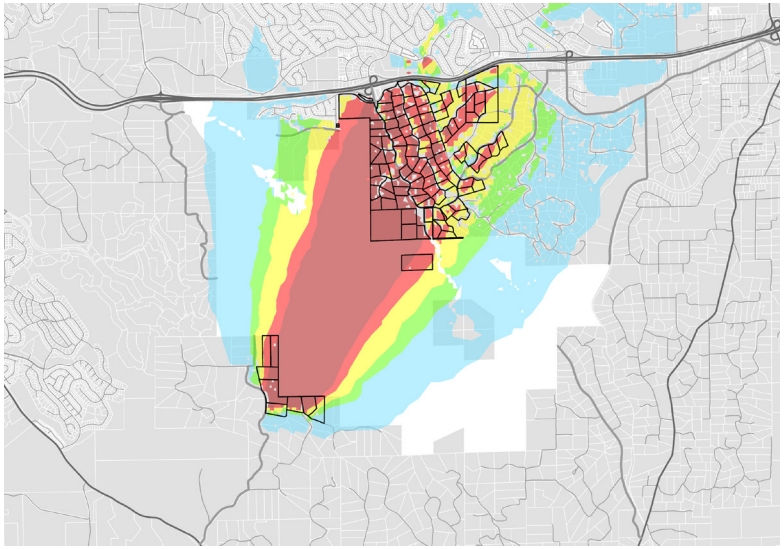
- Available Routes: Evacuation routes available for more than 180 minutes.
- Partially Available Routes: Evacuation routes available less than 180 minutes but more than 30 minutes. For these routes, the time the route will remain available is identified.
- Not Available Routes: Evacuation routes available for 30 minutes or less.

The scenario numbers and names are consistent with the fire behavior modeling scenarios conducted by Firesafe Planning Solutions.

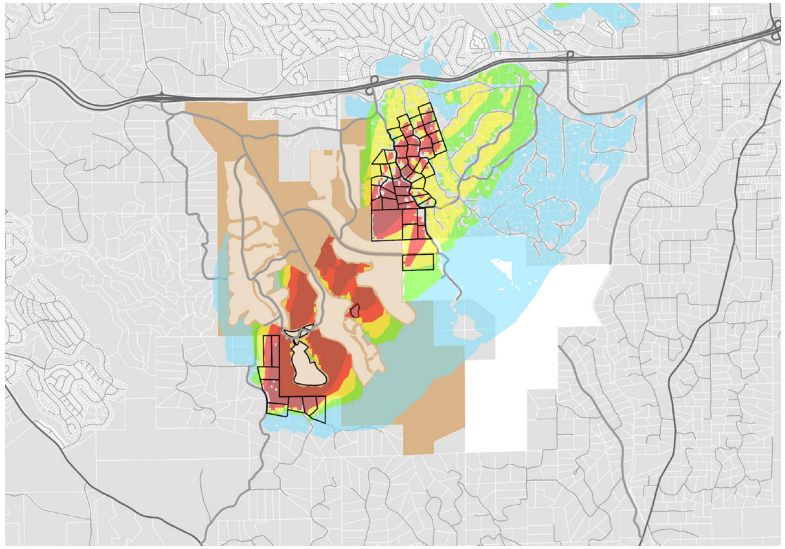
Figure 3: Fire Behavior Modeling Locations



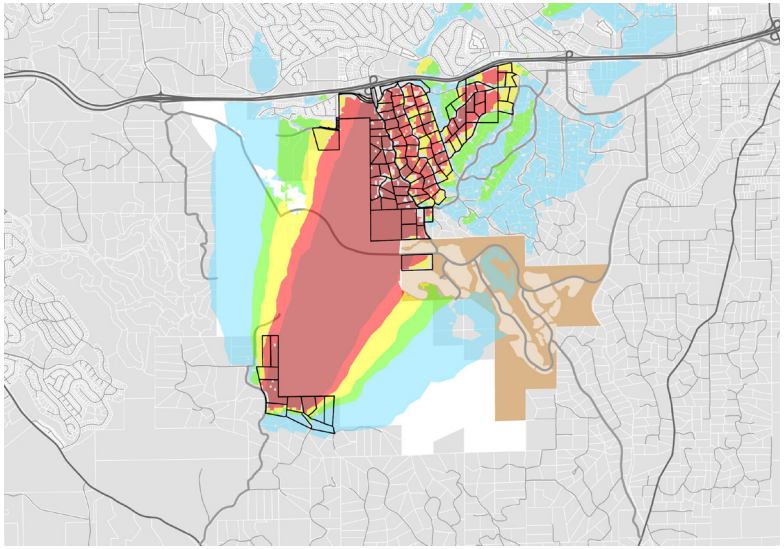
Existing - 2A



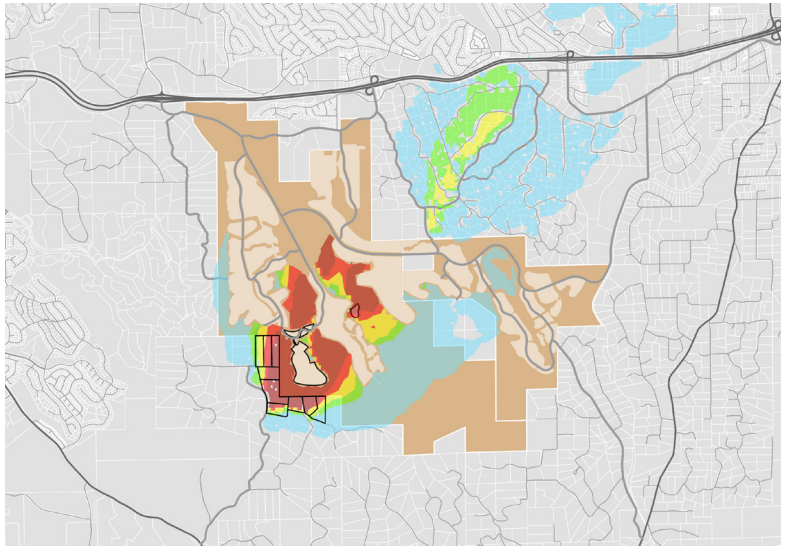
Existing Plus MVSP - 2B



Existing Plus LRSVP - 2C



Existing Plus MVSP & LRSVP - 2D



Fire Progression (minutes):

30 60 120

180 240

Project Area

Project Residential Area

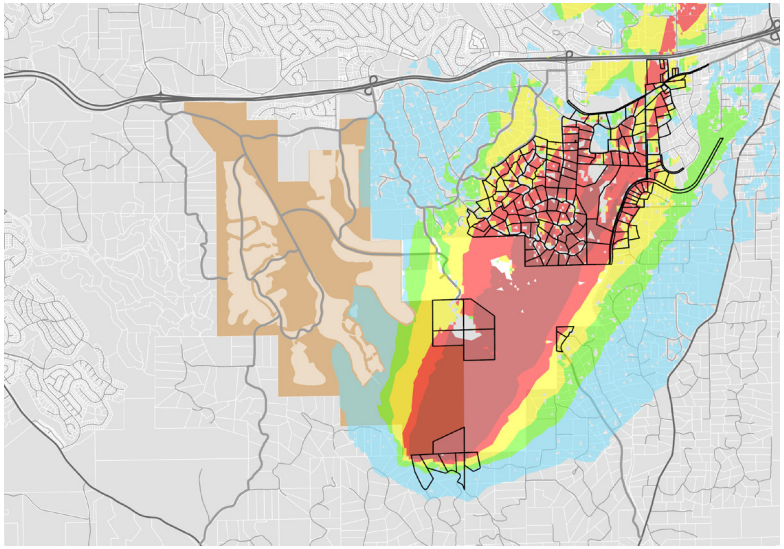
Vulnerable Parcels

Evacuation Routes

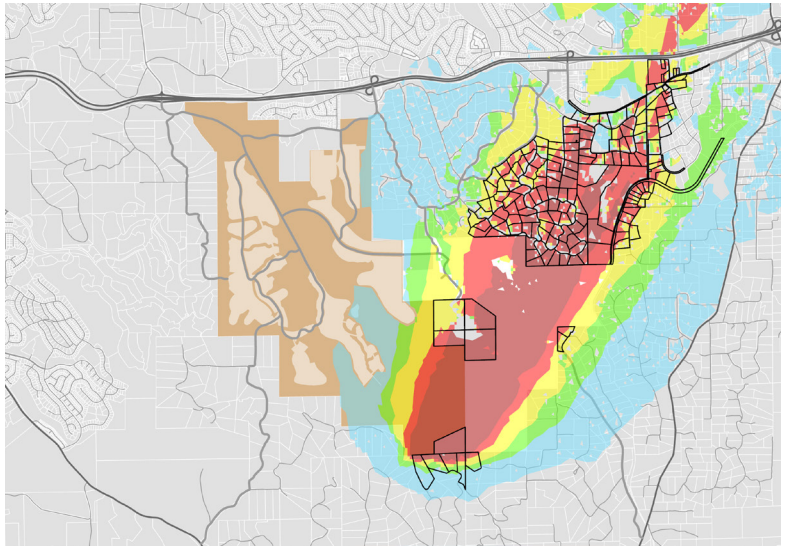
Figure 4

Fire Analysis Scenario 2

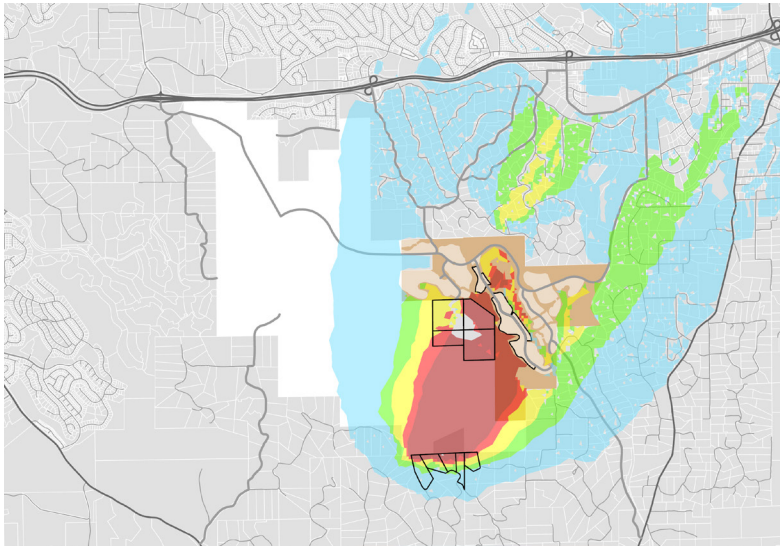
Existing - 4A



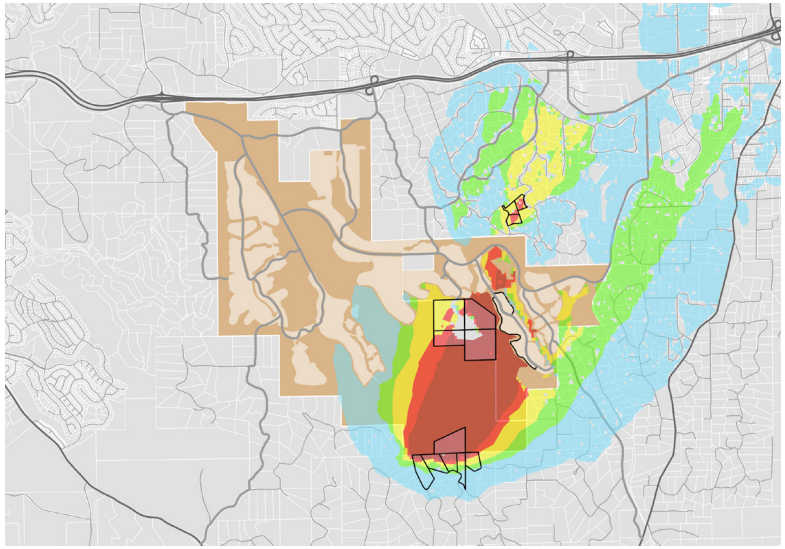
Existing Plus MVSP - 4B



Existing Plus LRSVP - 4C



Existing Plus MVSP & LRSVP - 4D



Fire Progression (minutes):

30 60 120

180 240

Project Area

Project Residential Area

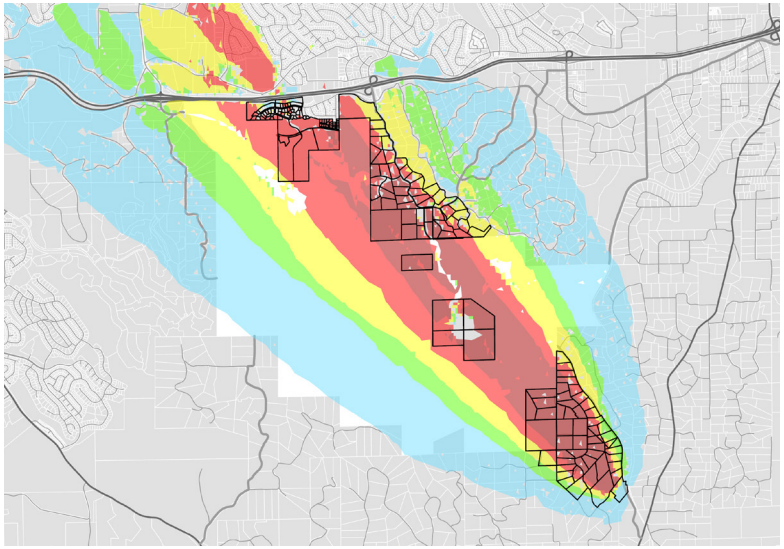
Vulnerable Parcels

Evacuation Routes

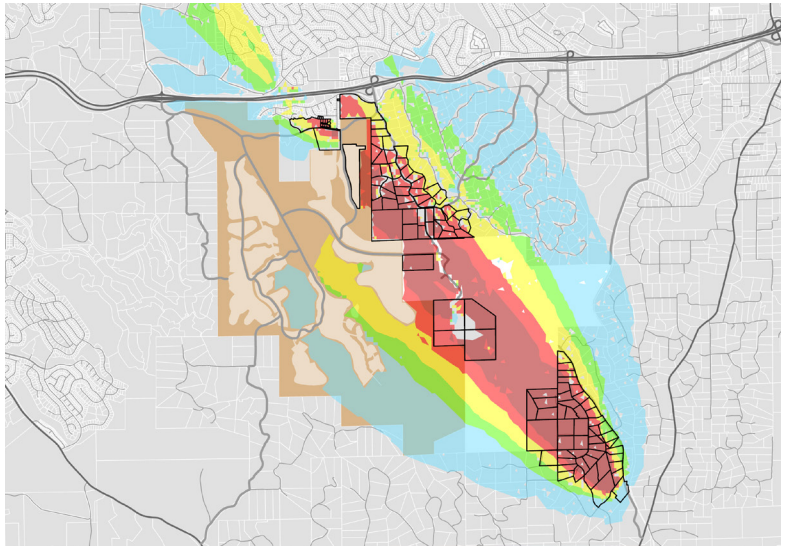
Figure 5

Fire Analysis Scenario 4

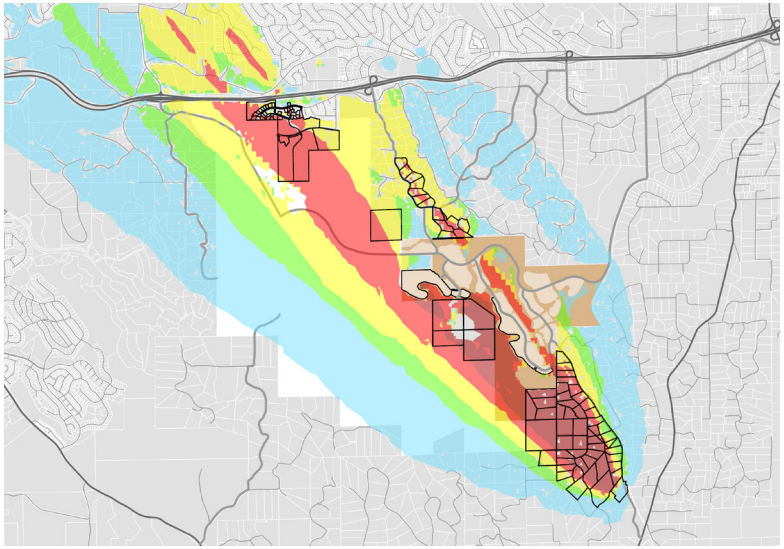
Existing - 7E



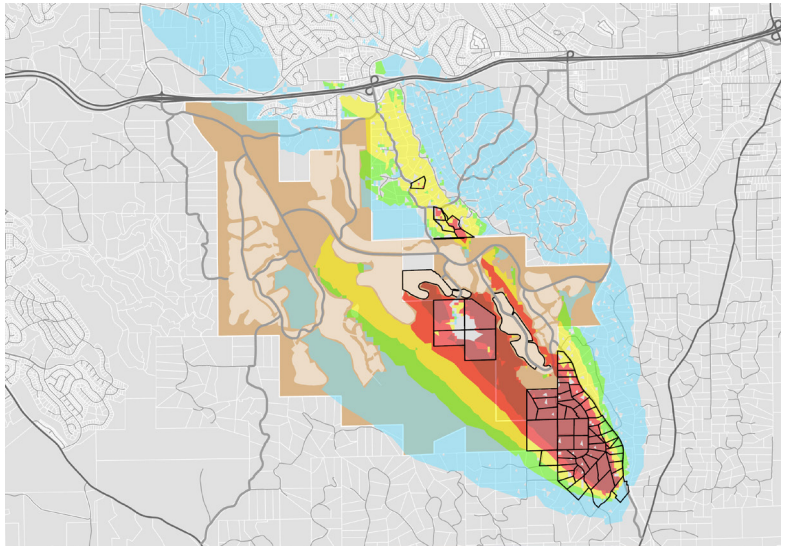
Existing Plus MVSP - 7F



Existing Plus LRSVP - 7G



Existing Plus MVSP & LRSVP - 7H



Fire Progression (minutes):

30 60 120

180 240

Project Area

Project Residential Area

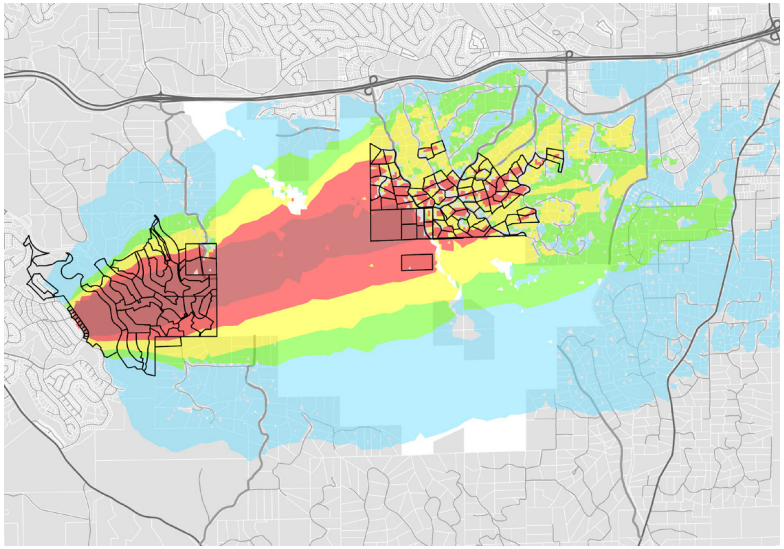
Vulnerable Parcels

Evacuation Routes

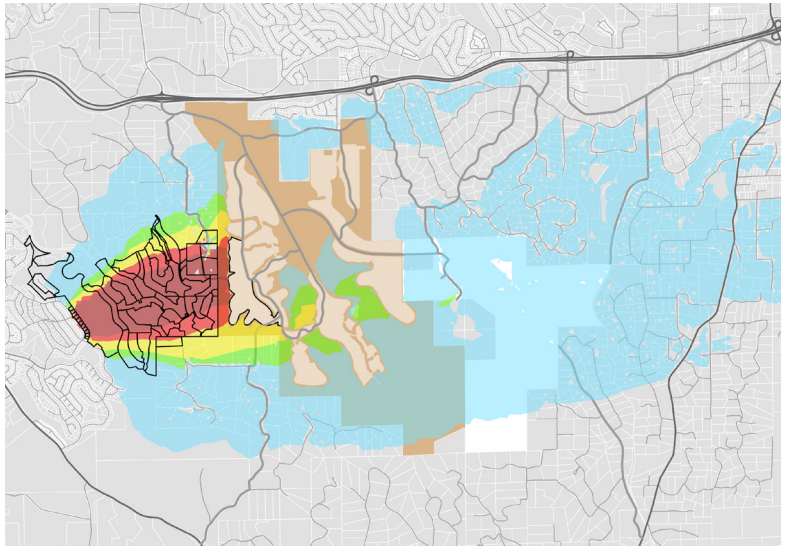
Figure 6

Fire Analysis Scenario 7

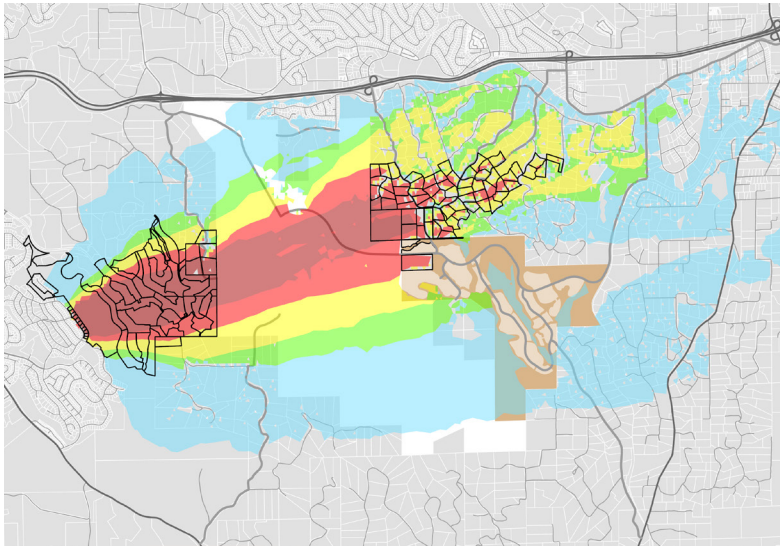
Existing - 16A



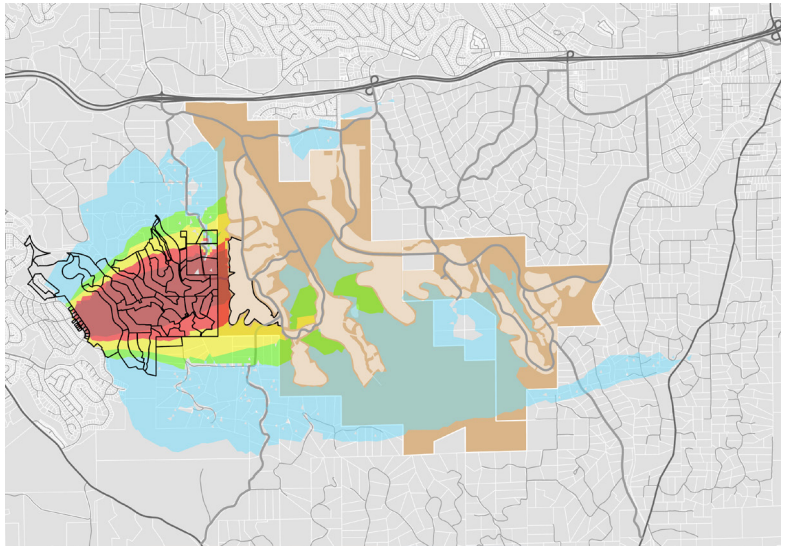
Existing Plus MVSP - 16B



Existing Plus LRSVP - 16C



Existing Plus MVSP & LRSVP - 16D



Fire Progression (minutes):

30 60 120

180 240

Project Area

Project Residential Area

Vulnerable Parcels

Evacuation Routes

Figure 7

Fire Analysis Scenario 16

Table 1: Evacuation Analysis Scenarios

Fire Location	Wind Direction and Speed	Analysis Scenario	Fire Scenario ID	Evacuation Routes and Route Availability (minutes)							
				NW	N	NE	EVA 1	EVA 2	EVA 3	EVA 4	EVA 5
Ryan Ranch Rd to Beaver Pond Rd	SW 65 mph	Existing Conditions	2-A			150					
		Existing Plus Marble Valley Specific Plan	2-B		145	150			115		
		Existing Plus Lime Rock Valley Specific Plan	2-C			160			110		
		Existing Plus Marble Valley & Lime Rock Valley Specific Plans	2-D					75	110		
End of Summer Creek Ct	SW 65 mph	Existing Conditions	4-A			60					
		Existing Plus Marble Valley Specific Plan	4-B			90		150			
		Existing Plus Lime Rock Valley Specific Plan	4-C			120				90	120
		Existing Plus Marble Valley & Lime Rock Valley Specific Plans	4-D			120				90	120
Bullard Dr west of Amber Fields Dr	SSE 65 mph	Existing Conditions	7-E	100	90						
		Existing Plus Marble Valley Specific Plan	7-F		90						
		Existing Plus Lime Rock Valley Specific Plan	7-G	120	150			120			
		Existing Plus Marble Valley & Lime Rock Valley Specific Plans	7-H		150			120			
East of Aspen Meadows Dr and Cornerstone Dr	W 50 mph	Existing Conditions	16-A		150				100		
		Existing Plus Marble Valley Specific Plan	16-B					120	100		120
		Existing Plus Lime Rock Valley Specific Plan	16-C						100		90
		Existing Plus Marble Valley & Lime Rock Valley Specific Plans	16-D						100		

Source: Firesafe Planning Solutions, 2023
Fehr & Peers, 2023

Notes:

	Available Routes: Evacuation routes available for more than 180 minutes
(minutes)	Partially Available Routes: Evacuation routes available less than 180 minutes but more than 30 minutes
	Not Available Routes: Evacuation routes available for 30 minutes or less

3. Methodology

Forecasting evacuation travel times relies on similar methodology to what is used in conventional travel demand forecasting and traffic operations analysis albeit with modifications to account for the unique circumstances of an evacuation event. The basic steps involve forecasting the demand across specific time periods, determining the distribution of associated trips, assigning the trips to specific routes, and analyzing the capacity of the routes to accommodate those trips. Since evacuation events can generate substantial demand in a brief time, the ability of the roadway network under typical operations can be challenged to accommodate that demand without causing substantial delays such as those reported during the Caldor Fire. Delays experienced would be characterized by forced flow, stop-and-go conditions, and extensive vehicle queuing. With ample notice, an evacuation event could occur with minimal impact to roadway traffic operations and usual travel times. For this study, a short evacuation window is analyzed to isolate the project's effect on evacuation travel times during more severe conditions.

The emergency evacuation time estimates include the following steps:

- Preparing the sub-area network representing the study area and the associated background trips (some background travel demand occurs on portions of the network from people traveling for common activities and not affected by the evacuation).
- Forecasting evacuation vehicle trips during the wildfire event.
- Dynamically assigning trips to the sub-area network.

EVAC+ Model

The Fehr & Peers EVAC+ model has been applied for numerous evacuation time estimates for projects throughout California and was utilized to evaluate the estimated travel time for the four fire scenarios outlined in Chapter 2. EVAC + uses inputs from the El Dorado County Travel Demand Model for a typical weekday and modifies the travel demand and transportation network to represent the evacuation condition. EVAC+ is built in TransCAD 8.0 and is a dynamic traffic assignment model sensitive to how demand flows in short periods of time affects the speed of travel on the roadway network and the resulting ability of individual roadway segments and intersections to accommodate that demand. After determining the evacuation travel demand and associated transportation network, a dynamic traffic assignment with 15-minute intervals is used to capture the demand and capacity relationship that produces resulting travel speeds and evacuation travel times. Note that this model does not include estimating the time people need to prepare for the evacuation.

Trips were assigned using the EVAC+ tool. The EVAC+ tool relies on the Study Area traffic analysis zones and existing roadway network extracted from the El Dorado County model. Areas affected by the

evacuation event are then processed through the EVAC+ tool trip estimator to estimate the number and sequencing of trips that occur due to the event.

The sub-area extracted network and new trip tables are then input into a dynamic traffic assignment model. A dynamic traffic assignment model estimates traffic and levels of congestion on 15-minute intervals and, as link demand builds (i.e., roads fill with cars), it dynamically reassigns traffic to less congested routes. This is a more accurate way of estimating trip assignment and identifying congested locations on the network that should be considered during an evacuation event. The EVAC+ tool processes are outlined in **Figure 8 and Figure 9**.

Figure 8: EVAC+ Model Framework

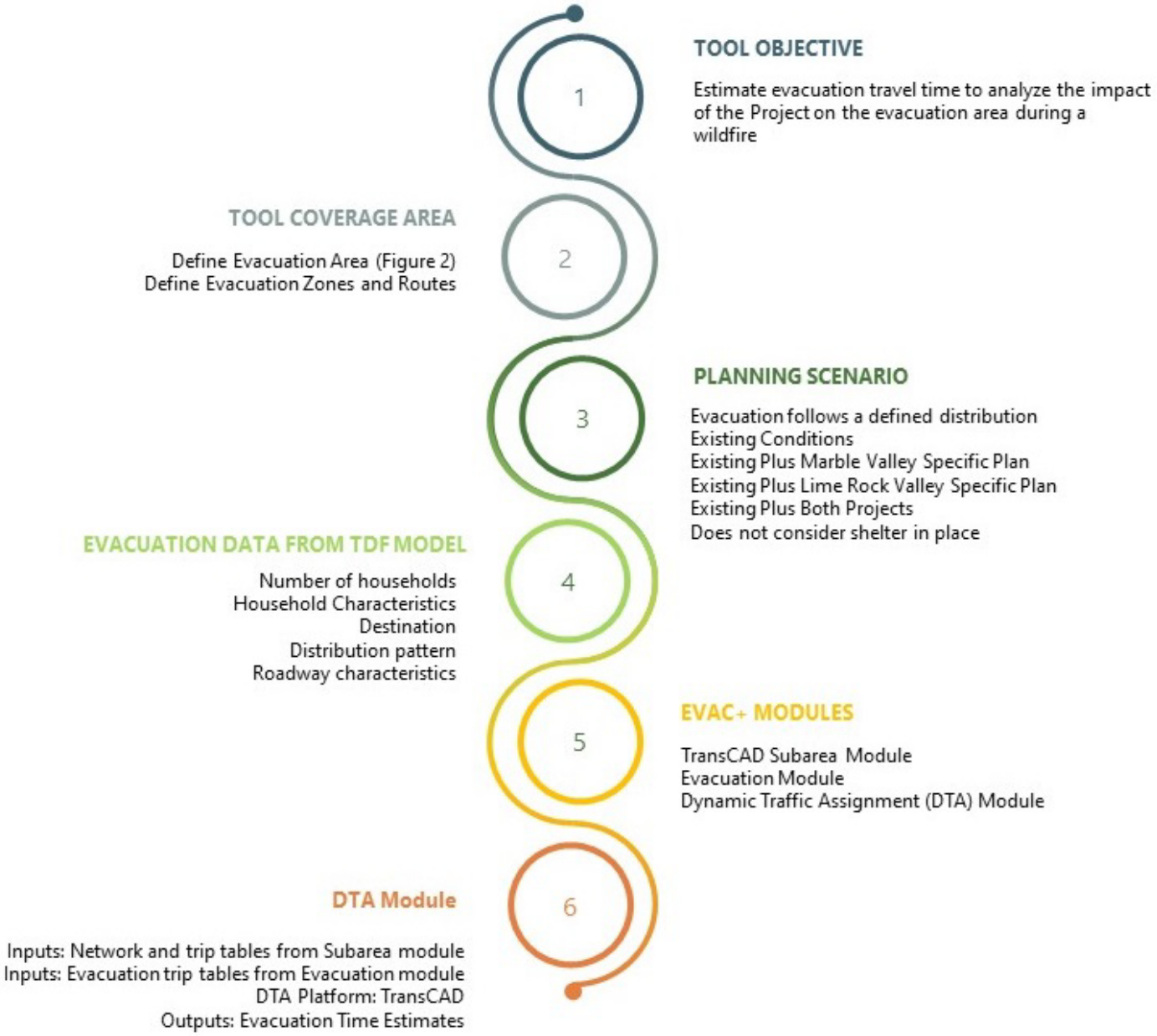
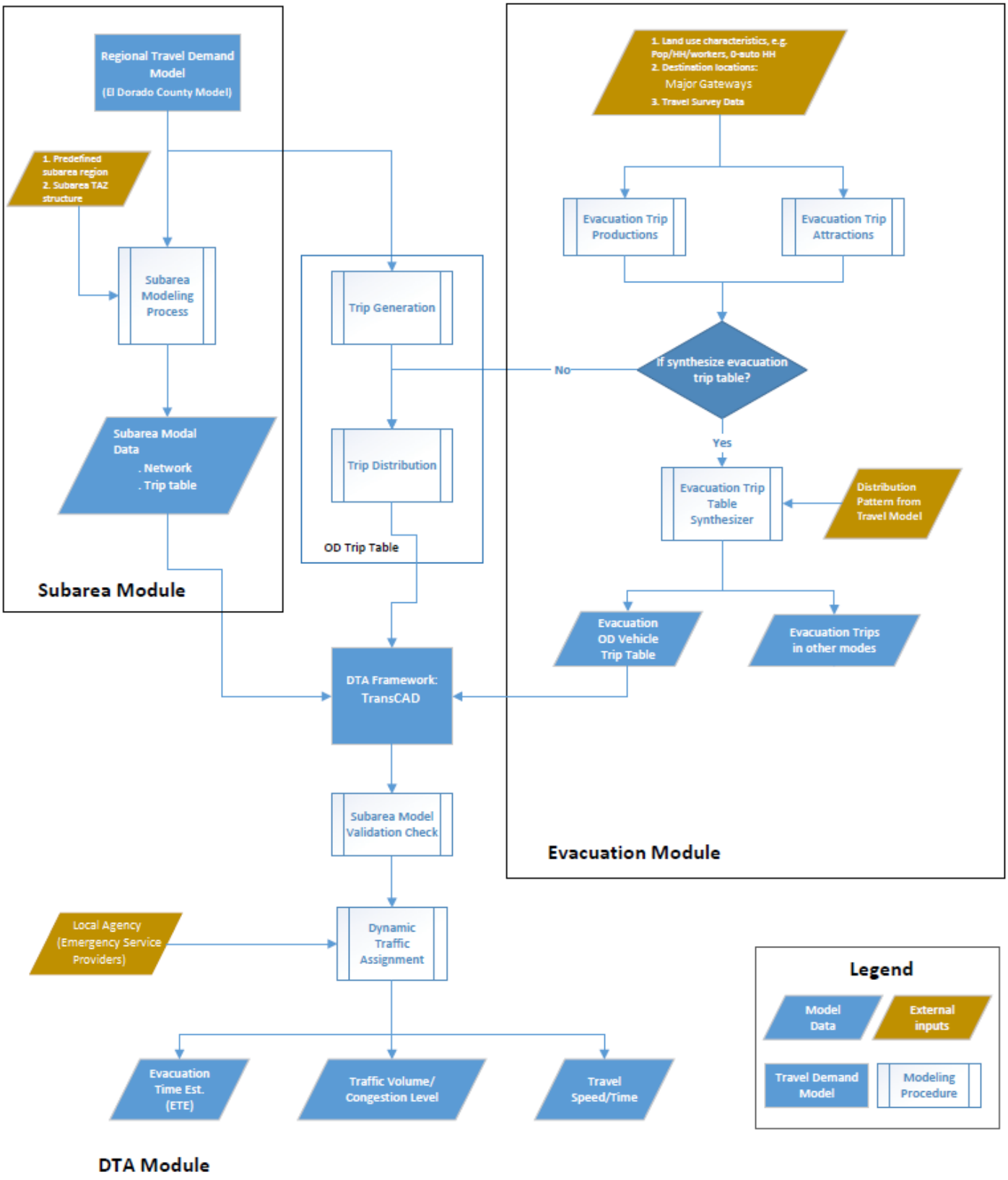


Figure 9: EVAC+ Dynamic Traffic Assignment (DTA) Module



Model Inputs

The travel demand considers the number of people and automobiles used by those evacuating, the background vehicle traffic, and the type of activities being conducted based on the type and timing of the evacuation event. The dynamic traffic assignment model only reflects personal vehicle traffic. Due to the nature of this model, travel made by those in publictransit, other shared modes (i.e., vanpool), or walking/biking are not analyzed. The overall vehicle travel demand was based on the typical travel for each hour of daily activity until the evacuation notice was given. The travel demand for evacuation zones was separated from background traffic not associated with evacuation zones.

The inputs to the EVAC+ model are discussed below and include the transportation network, background and evacuation trip matrix, evacuation window, and distribution.

Model Network

EVAC+ includes a transportation network to represent the evacuation condition. The evacuation sub-area is a subset of the EL Dorado County travel demand model. A "sub-area extraction" is performed to develop the sub-area model network.

Background Traffic

Background traffic is associated with trips traveling to or from evacuation zones and is taken directly from the El Dorado County travel model for a typical day, then distributed over each hour of the day. Trips that do not end in evacuation zones go about their normal activity regardless of if the evacuation order has been given. Trips that end in the evacuation zone after the evacuation order is given do not travel and stay in the original zone.

Background traffic in the EVAC+ is added as a matrix that shows trips between origins and destinations within the sub-area. The matrix is converted from hourly traffic to 15-minute bins to run the dynamic traffic assignment. Background trips change based on the time of day.

Evacuation Traffic

Evacuation traffic consists of traffic generated by residents, students, employees, and visitors of the evacuation zones. The EVAC+ model uses the land use and vehicle trip inputs to create a matrix of trips between origins and gateways (i.e., destinations) within the sub-area. The matrix is created based on the evacuation departure time and total vehicle trips.

As outlined in the *Wildland Fire Evacuation Risk Report, Fire Behavior – The Lime Rock Valley Project* (**Appendix A**), the fire scenarios modeled are extreme and the results indicate the fire will be traveling at a rate faster than fire suppression activity will allow for control lines. The size, location and configuration of the Project site makes it unlikely that a fire will impact the entire evacuation area simultaneously

(shown in **Figure 2**), but rather the fire will impact different portions over time. Consequently, evacuation time estimates are developed for the following evacuation conditions:

- Self-Evacuation – Represents the evacuation of populations in the direct path of the fire where advanced notice is not available due to the fire's progression. These vulnerable populations are in the red areas (i.e., where the fire's progression is 60 minutes or less) shown in the fire scenario figures (**Figures 4 through 7**). As analyzed, evacuation is assumed to begin within 15 minutes of the fire's recognition. However, self-evacuation may be a part of an Ordered Evacuation, representing an initial phase of the evacuation that occurs before the Sheriff issues an order to evacuate. Evacuation time is estimated from the evacuation trip origin to the closest safe location not in the direct path of the fire, which may be inside or outside the study area shown on **Figure 2**.

- Ordered Evacuation – Represents the evacuation of the entire population (residents, students, employees, and visitors) in the evacuation area for an event with ample notice where emergency services are participating in the evacuation. As analyzed, the evacuation window is 3 hours (180 minutes) beginning from the Sheriff ordering the evacuation. Evacuation time is estimated from the evacuation trip origin to the study area gateways identified on **Figure 2**.

Traffic analysis zone geographies were used to represent neighborhoods and estimate the number of trips for households, employees, students, and visitors. Vehicle trips for evacuation were informed by the existing land use and socio-economic data in each traffic analysis zone. The socio-economic data includes a variety of information based on 2020 5 Year ACS Data Table - B08201, including persons per household, number of employees, auto-ownership information, population, and other factors that could affect the number of vehicles per household used during an evacuation event.

Table 2 summarizes the socio-economic data inputs used to develop the evacuation trips for self-evacuation of vulnerable populations by analysis scenario.

As shown on shown on the fire scenario figures (**Figures 4 through 7)** and summarized in **Table 2**, the addition of the Lime Rock Valley Specific Plan and/or the Marble Valley Specific Plans affect the progression of the fire event. Consequently, the vulnerable population in the existing areas will decrease or remain unchanged.

The change in vulnerable population results from the fuel modification/defensible spaces created by the development, which will be constructed in accordance with the following code, standards, and requirements that are applicable to new development in the Very High Fire Hazard Severity Zones:

- Public Resources Code
- Fire Code
- California Building Code
- California Residential Code

- Fire Department Requirements

Please refer to **Appendix A,** which includes the *Wildland Fire Evacuation Risk Report, Fire Behavior – The Lime Rock Valley Project,* for a comprehensive discussion of fire behavior and the effect of development on fire progression.

Table 2: Self-Evacuation (Vulnerable Population) Scenario: Land Use and Trip Summary

Fire Scenario	Study Areas & Analysis Scenarios		Vulnerable Population							
			Population		Households		Employees		Evacuation Vehicle Trips	
			Existing	Project	Existing	Project	Existing	Project	Existing	Project
2	Study Area	Existing Area	108	N/A	45	N/A	20	N/A	85	N/A
		LRVSP	108	0	45	0	20	0	73	0
		MVSP	32	264	14	100	5	0	31	189
		LRVSP & MVSP	0	264	0	100	0	0	0	189
	Analysis Scenario	Existing Conditions	108		45		20		85	
		Existing Plus LRVSP	108		45		20		73	
		Existing Plus MVSP	296		114		5		220	
		Existing Plus LRVSP & MVSP	264		100		0		189	
4	Study Area	Existing Area	193	N/A	80	N/A	241	N/A	212	N/A
		LRVSP	0	404	0	160	0	0	0	303
		MVSP	159	0	67	0	12	0	95	0
		LRVSP & MVSP	0	404	0	160	0	0	0	303
	Analysis Scenario	Existing Conditions	193		80		241		212	
		Existing Plus LRVSP	404		160		0		303	
		Existing Plus MVSP	159		67		12		95	
		Existing Plus LRVSP & MVSP	404		160		0		303	

Table 2: Self-Evacuation (Vulnerable Population) Scenario: Land Use and Trip Summary (Continued)

Fire Scenario	Study Areas & Analysis Scenarios		Vulnerable Population							
			Population		Households		Employees		Evacuation Vehicle Trips	
			Existing	Project	Existing	Project	Existing	Project	Existing	Project
7	Study Area	Existing Area	557	N/A	235	N/A	15	N/A	445	N/A
		LRVSP	284	323	119	128	1	0	248	243
		MVSP	301	132	125	50	12	0	237	95
		LRVSP & MVSP	207	323	86	128	0	0	163	243
	Analysis Scenario	Existing Conditions	557		235		15		445	
		Existing Plus LRVSP	607		247		1		491	
		Existing Plus MVSP	433		175		12		332	
		Existing Plus LRVSP & MVSP	530		214		0		406	
16	Study Area	Existing Area	112	N/A	46	N/A	6	N/A	97	N/A
		LRVSP	105	0	42	0	6	0	84	0
		MVSP	75	124	29	49	0	0	55	93
		LRVSP & MVSP	75	124	29	49	0	0	55	93
	Analysis Scenario	Existing Conditions	112		46		6		97	
		Existing Plus LRVSP	105		42		6		84	
		Existing Plus MVSP	199		78		0		148	
		Existing Plus LRVSP & MVSP	199		78		0		148	

Source: Fehr & Peers, 2023
LRVSP – Lime Rock Valley Specific Plan
MVSP – Marble Valley Specific Plan
Note: Evacuation vehicle trips include evacuation of the vulnerable population (residents, students, employees, and visitors).

Table 3 summarizes the socio-economic data inputs used to develop the evacuation trips for an Ordered Evacuation by analysis scenario.

Table 3: Ordered Evacuation Scenario: Land Use and Trip Summary

Analysis Scenarios	Population	Households	Employment	Evacuation Vehicle Trips
Existing Conditions	2,804	1,132	2,413	1,596
Lime Rock Valley Specific Plan	*2,022*	*800*	*0*	*1,804*
Marble Valley Specific Plan	*8,057*	*3,236*	*1,595*	*6,649*
Existing Plus Lime Rock Valley Specific Plan	4,826	1,932	2,413	3,400
Existing Plus Marble Valley Specific Plan	10,861	4,368	4,008	8,245
Existing Plus Lime Rock Valley & Marble Valley Specific Plans	12,883	5,168	4,008	10,049

Source: Fehr & Peers, 2023
LRVSP – Lime Rock Valley Specific Plan
MVSP – Marble Valley Specific Plan
Note: Evacuation vehicle trips include evacuation of the entire population (residents, students, employees, and visitors).

Evacuation Distribution

The evacuation time window is the time between when the evacuation order is received, and the time evacuees must begin their evacuation. As discussed in **Chapter 2**, a 3-hour (180 minutes) evacuation window is used for the analysis of the Ordered Evacuation.

Evacuation events are not linear, and it is anticipated that evacuation rate will closely resemble a bell curve from the time that the evacuation order is issued. This is consistent with other research on short-notice evacuation events as documented in the study by Noh et. al[2] and Florida Hurricane Evacuation[3]. For this study, curves developed from stated preference surveys of Ashland residents by KLD Engineering were used as a guide. A weighted average distribution was created for all evacuees. **Figure 10** shows the curves from the Ashland survey (i.e., in red, green, and blue) and the curve used for this study (i.e., in yellow). **Table 4** shows the time distribution for each 15-minute time bin. Note that although this is the assumed distribution for the EVAC+ model, emergency scenarios are often unpredictable, and driver behavior can be disorderly.

Depending on the fire event, traffic may be evacuating directly or may be returning home before evacuating, allowing for families to regroup prior to evacuating (i.e., residents with commuters). The

[2] Noh, Chiu, Zheng, Hickman, and Mirchandani, *Approach to Modeling Demand and Supply for a Short-Notice Evacuation,* Transportation Research Record 2091
[3] Roberto Miguel, *Florida Statewide Hurricane Evacuation Model/TIME*, December 9, 2015

number of vehicle trips depends on the type and time of the event, the number of drivers in the household, and the number of vehicles available.

Figure 10: Evacuation Trip Distribution

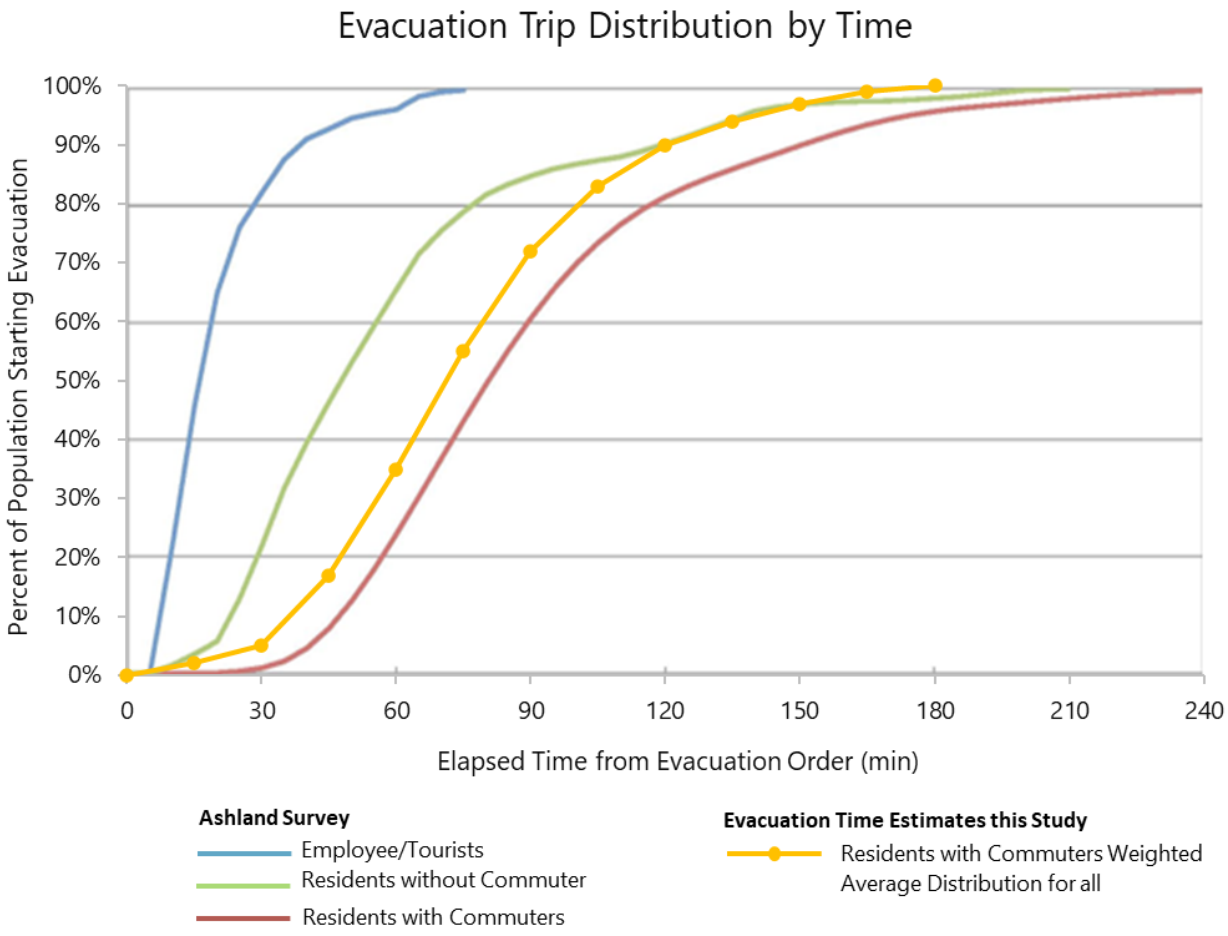


Table 4: Evacuation Distribution Assumptions

Time Analysis Interval (minutes)	Percent Evacuating
0-15	2%
15-30	3%
30-45	12%
45-60	18%
60-75	20%
75-90	17%
90-105	11%
105-120	7%
120-135	4%
135-150	3%
150-165	2%
165-180	1%

Source: Fehr & Peers, 2023

Evacuation Start Time

The start time leaving the evacuation zones varies by type of the event. With different evacuation starting times, the impact of the evacuation trips on the roadway conditions will be different. For example, evacuations occurring at nighttime when all household members are at home will be different from evacuations occurring when all or part of household members have made their regular trips from or to the evacuation areas.

For events where ample notice is given or the family unit is already together, less time is needed to prepare for the evacuation. On the other hand, where little notice of an event or when the family unit is not together, the time required to prepare for an evacuation is typically longer as residents may need to prepare belongings, collect their animals, and conduct other coordination before beginning their evacuation trip.

Evacuation start time for each fire scenario was identified based on the historic wind events used to develop the fire analysis scenarios shown on **Figures 4 through 7**. The fire scenarios were developed based on site-specific wind speeds and directions. Each of the fire scenarios corresponds to historic wind data from weather sites near the study area.

The extreme fire events used in the modeling correspond to "extreme fire weather" or "red flag warning" conditions. Under these conditions, some fraction of the population may complete some preparations for evacuation and be able to evacuate sooner and more efficiently than at other times. However, because it would be speculative to try and estimate the percentage of the population that may make advanced preparations, what those preparations might be, and how they would help expedite the overall evacuation process, this issue is not incorporated into the modelling.

For the evacuation time estimates, the historic wind data was reviewed to identify the time of day the winds for the specific fire scenario occurred. *Wildland Fire Evacuation Risk Report, Fire Behavior – The Lime Rock Valley Project*, includes the detailed analysis of the fire analysis scenarios. **Table 5** shows the evacuation start times for each scenario.

Table 5: Evacuation Start Time Assumptions

Fire Scenario	Wind Direction	Evacuation Start Time
2	SW	11:00 AM
4	SW	11:00 AM
7	SSE	7:00 AM
16	W	1:00 PM

Source: Fehr & Peers, 2023

Evacuation Destination

The destination of evacuating trips depends on whether the evacuation is a Self-Evacuation of vulnerable populations or an Ordered Evacuation. For a Self-Evacuation, the destination is to the closest safe location, which may be inside or outside the study area. For an Ordered Evacuation, the destination is outside the study area using a study area gateway shown on **Figure 2**.

Selectzone model runs were performed to estimate gateway travel for each analysis scenario. **Table 6** shows the gateway weights or trip attractions for each scenario. The weights are for "Typical Weekday" conditions and vary by analysis scenario. The gateway weights are a starting point for assigning evacuation trips to the study area gateways and adjust through the iterative dynamic traffic assignment process, based on the route availability for each fire scenario as summarized in **Table 1**. The percentages in **Table 6** represent the share of evacuation trips assigned to each study area gateway at the beginning of the evacuation, prior to effect of congestion and rerouting of traffic to less congested routes that occurs with dynamic traffic assignment.

Table 6: Evacuation Gateway Weights

Gateways	Existing	Existing Plus LRVSP	Existing Plus MVSP	Existing Plus LRVSP and MVSP
East of Durock Rd and North of S Shingle Rd	18%	20%	10%	11%
North of Cameron Park Drive/US 50	53%	48%	28%	28%
North of Cambridge Rd/ US 50	12%	12%	20%	22%
North of Marble Valley Rd/US 50	2%	14%	32%	32%
North of Latrobe Rd	6%	2%	4%	3%
South of Latrobe Rd and S Shingle Rd	9%	5%	6%	4%

Source: Fehr & Peers, 2023
Notes: Gateway weights are calculated from selectzone model runs.
LRVSP – Lime Rock Valley Specific Plan
MVSP – Marble Valley Specific Plan

Transportation Network Assignment

Depending on the event, the dynamic traffic assignment can model the change in accessibility and use of a roadway over the duration of the event. Some operating conditions that the model can evaluate are described below.

Normal Roadway Conditions

The evacuation time estimate analysis assumes typical daily operating conditions for both the number of travel lanes per direction and associated hourly capacity per lane. This condition allows for the opposite direction of evacuation traffic to be used for emergency responders to access the evacuation area and for background traffic to operate normally.

Contra-Flow Operations

Contra flow operations refer to evacuation travel where traffic is flowing in only one direction (e.g., using both travel lanes of a two-lane roadway for evacuation in the same direction). This condition does not allow for the opposite direction of evacuation traffic to be used for emergency responders to access the evacuation area and prohibits background traffic travel in the opposite direction from the evacuation traffic. The evacuation time estimate analysis does not rely on contra-flow operations.

Capacity Restrictions

The routes that are operational longer than 180 minutes during a fire scenario are assumed to be "Available" for evacuation. The available routes are assumed to be operational at normal capacity.

The roadways that will be operational during a fire scenario for less than 30 minutes are assumed to be "Not Available" for evacuation. These routes are turned off in the dynamic traffic assignment model.

If an evacuation route is available for a specific amount of time that is less than the evacuation window (i.e., 180 minutes), that route is assumed to be "Partially Available" for evacuation. The Partially Available routes are assumed to be turned off after they are not available for evacuation, as specified by the fire behavior analysis. This is indicated in the model by an "incident." The incident's start time varies by scenario and is set according to the availability of the routes in **Table 1**. This means that those routes will operate at normal capacity until the fire affects their availability for evacuation. At that point (at incident start time), the route will be closed to evacuation and vehicles rerouted to other evacuation routes/gateways. This will cause additional congestion in the dynamic traffic assignment model.

Model Output

The output for the EVAC+ model includes the following:

- Congested Skim Matrix – Includes matrices of travel time between each zone and gateway for each 15-minute bin (i.e., four per hour) for each hour of the day for a total of 96 matrices.
- Evacuation Vehicle Trip Matrix – Includes matrices of evacuation trips between each zone and gateway for each 15-minute bin that includes evacuation trips. A total of 96 bins are created, but only the time bins within the specified evacuation window are populated.
- Link Flow Network – Includes vehicle volume for each 15-minute bin on the roadway network.

Results from the model are summarized for different population groups to create evacuation time estimate results.

4. Evacuation Time Estimate Results

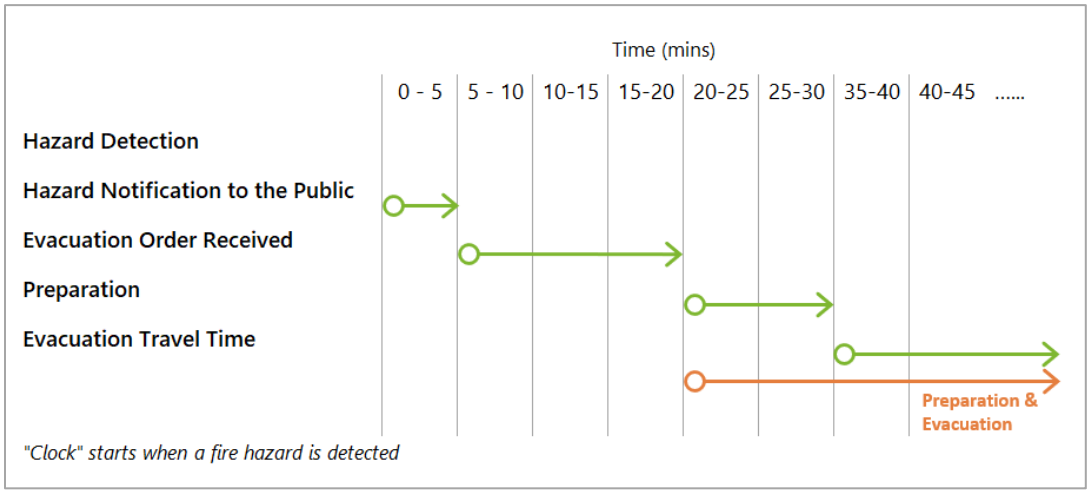
An evacuation time estimate is a metric that is defined as the estimated time necessary to safely evacuate all evacuees, from the time when a hazard is first identified until the time when either the last evacuee leaves a hazardous area, or the remaining population is forced to shelter-in-place. The determination of whether it is the last evacuee or forced shelter-in-place is made by emergency response personnel, is hazard-specific, and considers factors such as the type of hazard or threat, level of notice, population characteristics of the area at the time of the hazardous event, and evacuee behavior. There are several phases of an evacuation time estimate described below:

- Hazard Detection – Time when hazard is first identified.
- Hazard Notification to the Public – Time when any official releases an evacuation order to the public.
- Evacuation Order Received – Time when people receive the evacuation order.
- Preparation – Time it takes to prepare to depart after receiving evacuation order.
- Self-Evacuation Time (Vulnerable Population) – The total elapsed time until all vehicles are out of harm's way, including time driving (moving) and delay due to congestion. The calculated evacuation time is estimated from the evacuation trip origin to the closest safe location not in the direct path of the fire, which may be inside or outside the study area shown on **Figure 2**.
- Ordered Evacuation Time – The total elapsed time until all vehicles are out of the Evacuation Area including time driving (moving) and delay due to congestion. The calculated evacuation time is estimated from the evacuation trip origin to the study area gateways identified on **Figure 2**.

  Note: The calculated evacuation time does not account for unexpected complications or incidents on the roadways during the evacuation.

It should be noted that some phases may not occur. This can result from a variety of events including failure of officials to identify the hazard, slow response in sending evacuation orders, damaged or non-functional communication networks, and/or a sufficiently high perceived threat of the hazard by residents that results in substantial self-evacuation. Additionally, research on California wildfire evacuations found that some people evacuated their home prior to receiving an evacuation order (Wong et al. 2020). This assessment assumes that El Dorado County officials and emergency response personnel will be able to send out informed evacuation orders in a timely manner. **Figure 11** shows typical evacuation phases.

Figure 11: Evacuation Phases



For the Self-Evacuation (Vulnerable Population), the analysis estimates the evacuation time beginning from the hazard being detected by the evacuees.

For the Ordered Evacuation, the analysis estimates the evacuation time beginning from the evacuation order being received by the evacuees. The evacuation time estimates do not account for the time it takes for a hazard to be identified or the amount of time it takes for the official release of an evacuation order to the public.

Modeling Results

The EVAC+ evacuation time estimates for the Self-Evacuation and Ordered Evacuation analysis are summarized below for the fire scenarios outlined in **Table 1** for the following analysis scenarios:

- Existing Conditions – Represents existing conditions (i.e., existing residents).
- Existing Conditions Plus Lime Rock Valley Specific Plan – Represents existing conditions with buildout of the Lime Rock Valley Specific Plan.
- Existing Conditions Plus Lime Rock Valley & Marble Valley Specific Plans – Represents existing conditions with buildout of both the Lime Rock Valley and Marble Valley Specific Plans.

Self-Evacuation (Vulnerable Population)

Self-Evacuation represents the evacuation of populations in the direct path of the fire where advanced notice is not available due to the fire's progression. These vulnerable populations are in the red areas (i.e., where the fire's progression is 60 minutes or less) shown in figures (**Figures 12 through 15**). As analyzed, evacuation is assumed to begin within 15 minutes of the fire's recognition. However, self-evacuation may

be a part of an Ordered Evacuation, representing an initial phase of the evacuation that occurs before the Sheriff issues an order to evacuate. Evacuation time is estimated from the evacuation trip origin to the closest safe location not in the direct path of the fire, which may be inside or outside the study area shown on **Figure 2**.

The analysis results for Self-Evacuation summarized in **Table 7** are supported by summary figures for each fire scenario. **Figures 12 through 15** present the following information for Fire Scenario 2, 4, 7, and 16, respectively, for each analysis scenario:

- Fire Progression – Shows the progression of the fire scenario in minutes for each analysis scenario.
- Vulnerable Areas – Identifies the areas/parcels in the red areas that have a fire progression of 60 minutes or less.
- Vulnerable Evacuees – Identifies the number of evacuees in vulnerable areas.
- Evacuation Vehicle Trips – Identifies the number of vulnerable evacuation trips for each analysis scenario.
- Maximum Total Time to Safety – Summarizes the total time required to move the vulnerable evacuees to the closest safe location not in the direct path of the fire, which may be inside or outside the study area shown on **Figure 2**.

As shown, the addition of the Project changes the progression of the fire event. Consequently, the vulnerable population changes in the existing community compared to existing conditions due to the fuels removed by the Project, fuels management activities, and the creation of fire breaks conducted around the Project perimeter. However, the vulnerable evacuees remain the same with a slight decrease in the number of evacuation vehicle trips. Under Fire Scenarios 2 with the Project, the time to safety for the vulnerable evacuees would decrease compared to existing conditions due primarily to the addition of evacuation route added with the Project. Under Fire Scenarios 2 and 4 all the existing community areas would be outside the vulnerable areas with the addition of both the Project and Marble Valley Specific Plan.

For all fire scenarios, it would take less than about 20 minutes to move all the vulnerable evacuees (i.e., existing or project evacuees) to a safe location, which is less than the 30-minute fire progression shown in **Figures 12 through 15**. With the addition of the Project, the maximum total time to evacuate would remain the same or decrease for existing vulnerable evacuees. This is due to the increased access to evacuation routes and the slowed progression of the fire created by the removal of fuels and vegetation and fuels management activities occurring with the Project, which creates additional safe areas for vulnerable evacuees to access. Similarly, the effect of both the Project and Marble Valley Specific Plan would eliminate or reduce existing vulnerable populations and the maximum total time to evacuate.

Table 7: Self Evacuation (Vulnerable Population) Time Estimates - Lime Rock Valley Specific Plan

Fire Location	Wind Direction and Speed	Analysis Scenario	Fire Scenario ID	Evacuation Vehicle Trips[1]		Evacuation Start Time	Maximum Total Time to Safety (Minutes)	
				Existing	Project		Existing	Project
Ryan Ranch Rd to Beaver Pond Rd	SW 65 mph	Existing Conditions	2-A	85	-	11:00 AM	18.1	-
		Existing Conditions Plus Lime Rock Valley Specific Plan	2-C	73	-		17.9	-
		Existing Conditions Plus Lime Rock Valley & Marble Valley Specific Plans	2-D	-	189		-	19.1
End of Summer Creek Ct	SW 65 mph	Existing Conditions	4-A	212	-	11:00 AM	19.8	-
		Existing Conditions Plus Lime Rock Valley Specific Plan	4-C	-	303		-	18.2
		Existing Conditions Plus Lime Rock Valley & Marble Valley Specific Plans	4-D	-	303		-	18.2
Bullard Dr west of Amber Fields Dr	SSE 65 mph	Existing Conditions	7-E	445	-	7:00 AM	20.4	-
		Existing Conditions Plus Lime Rock Valley Specific Plan	7-G	248	243		19.9	18.2
		Existing Conditions Plus Lime Rock Valley & Marble Valley Specific Plans	7-H	163	243		19.9	18.2
East of Aspen Meadows Dr and Cornerstone Dr	W 50 mph	Existing Conditions	16-A	97	-	1:00 PM	17.7	-
		Existing Conditions Plus Lime Rock Valley Specific Plan	16-C	84	-		17.7	-
		Existing Conditions Plus Lime Rock Valley & Marble Valley Specific Plans	16-D	55	93		17.5	18.1

Source: Feher & Peers, 2023
(1) Evacuation vehicle trips include evacuation of the entire population (residents, students, employees, and visitors).

Table 8: Ordered Evacuation Time Estimates – Lime Rock Valley Specific Plan

Fire Location	Wind Direction and Speed	Analysis Scenario	Fire Scenario ID	Evacuation Vehicle Trips[1]		Evacuation Window	Maximum Total Time to Evacuate (Minutes)	
				Existing	Project		Existing	Project
Ryan Ranch Rd to Beaver Pond Rd	SW 65 mph	Existing Conditions	2-A	1,596	-	11:00 AM To 2:00 PM	188	-
		Existing Conditions Plus Lime Rock Valley Specific Plan	2-B	1,596	3,400		187	195
		Existing Conditions Plus Lime Rock Valley & Marble Valley Specific Plans	2-D	1,596	10,049		186	196
End of Summer Creek Ct	SW 65 mph	Existing Conditions	4-A	1,596	-	11:00 AM To 2:00 PM	187	-
		Existing Conditions Plus Lime Rock Valley Specific Plan	4-B	1,596	3,400		185	186
		Existing Conditions Plus Lime Rock Valley & Marble Valley Specific Plans	4-D	1,596	10,049		187	198
Bullard Dr west of Amber Fields Dr	SSE 65 mph	Existing Conditions	7-E	1,596	-	7:00 AM To 10:00 AM	188	-
		Existing Conditions Plus Lime Rock Valley Specific Plan	7-F	1,596	3,400		185	189
		Existing Conditions Plus Lime Rock Valley & Marble Valley Specific Plans	7-H	1,596	10,049		186	188
East of Aspen Meadows Dr and Cornerstone Dr	W 50 mph	Existing Conditions	16-A	1,596	-	1:00 PM To 4:00 PM	187	-
		Existing Conditions Plus Lime Rock Valley Specific Plan	16-B	1,596	3,400		188	187
		Existing Conditions Plus Lime Rock Valley & Marble Valley Specific Plans	16-D	1,596	10,049		186	188

Source: Feher & Peers, 2023
(1) Evacuation vehicle trips include evacuation of the entire population (residents, students, employees, and visitors).

Ordered Evacuation

Ordered Evacuation represents the evacuation of the entire population (residents, students, employees, and visitors) in the evacuation area for an event with ample notice where emergency services are participating in the evacuation. As analyzed, the evacuation window is 3 hours (180 minutes) beginning from the Sheriff ordering the evacuation. Evacuation time is estimated from the evacuation trip origin to the study area gateways identified on **Figure 2**.

The analysis results for the Ordered Evacuation summarized in **Table 8** are supported by summary figures for each fire scenario. **Figures 16 through 19** present the following information for Fire Scenario 2, 4, 7, and 16, respectively, for both no project and with project scenarios:

- Fire Location and Wind Direction – Identifies the location and wind direction for the fire scenario.
- Evacuation Area – Identifies the evacuation area for the existing and project population.
- Evacuation Routes – Identifies the evacuation routes for each fire scenario, including available routes (i.e., 180 minutes or more), routes that are not available (i.e., less than 30 minutes), and routes that are partially available (i.e., more than 30 minutes but less than 180 minutes).
- Evacuation Vehicle Trips – Identifies the number of evacuation trips for existing and project populations.
- Evacuation Time Estimate – Summarizes the total time to evacuate the different populations for existing conditions and existing plus project conditions.

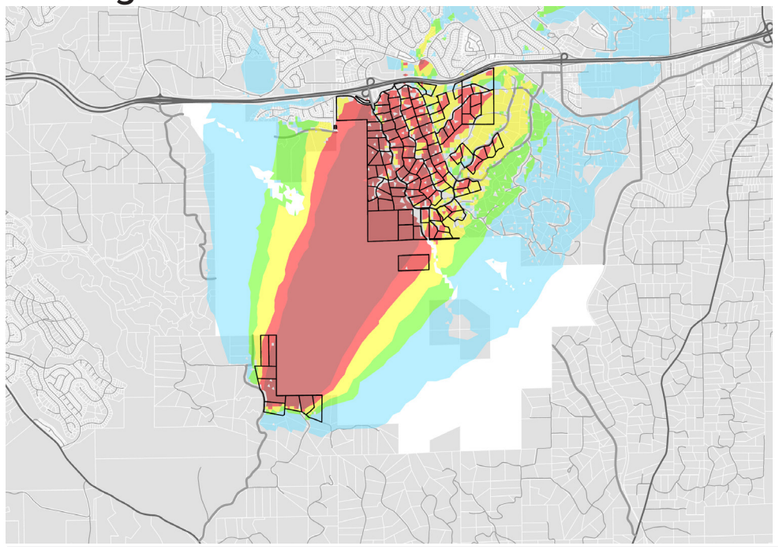
For all fire scenarios, it would take less than 200 minutes to evacuate the study area. For all fire scenarios, the addition of Project evacuees would not increase the maximum total time to evacuate existing residents. This is due to the increase in available evacuation routes (i.e., more routes) and an increase in the availability of evacuation routes (i.e., routes remain viable for evacuation longer), and the slower progression of the fire due to hardened site conditions and removal of wildland fuels (i.e., from development), and vegetation and fuels management implemented as part of the project.

With the addition of both the Project and the Marble Valley Specific Plan, the total time to evacuate the existing evacuees would be like no project conditions. Again, this is due to the increased access to evacuation routes and the and the slower progression of the fire due to hardened site conditions and removal of wildland fuels (i.e., from development), and vegetation and fuels management implemented as part of the project.

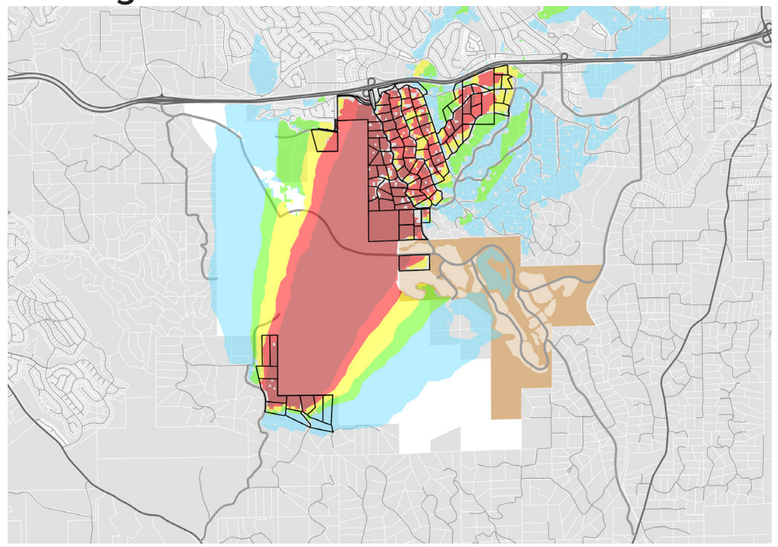
The EVAC+[4] results do not include potential unknown factors that could produce much longer travel times such as road closures due to stalled or inoperable vehicles or other blockages such as falling trees.

[4] EVAC+ is a dynamic traffic assignment model, is built in TransCAD 8.0, sensitive to how demand flows in short periods of time affects the speed of travel on the roadway network and the resulting ability of individual roadway segments to accommodate that demand.

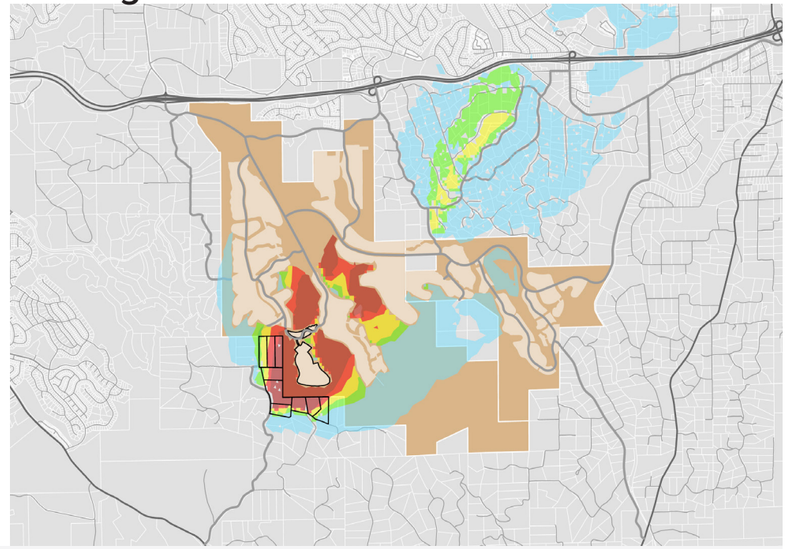
Existing



Existing Plus LRVSP



Existing Plus MVSP & LRVSP



Fire Progression (minutes): 30 60 120 180 240 Project Area Project Residential Area Vulnerable Parcels Evacuation Routes

Vulnerable Evacuees

108 Existing Population **45** Existing Households **20** Existing Employees

0 Project Population **0** Project Households **0** Project Employees

Evacuation Vehicle Trips

85 Existing Evacuees

Total Time to Safety (minutes)

18.1

Vulnerable Evacuees

108 Existing Population **45** Existing Households **20** Existing Employees

0 Project Population **0** Project Households **0** Project Employees

Evacuation Vehicle Trips

73 Existing Evacuees **0** Project Only Evacuees

Total Time to Safety (minutes)

17.9

N/A

Vulnerable Evacuees

0 Existing Population **0** Existing Households **0** Existing Employees

264 Project Population **100** Project Households **0** Project Employees

Evacuation Vehicle Trips

0 Existing Evacuees **189** Project Only Evacuees

Total Time to Safety (minutes)

N/A

19.1

Vulnerable evacuees are the population directly in the path of the fire (Red Area <= 60 minute fire progression). They are assumed to start self evacuation immediately, i.e., within 15 minutes of fire.

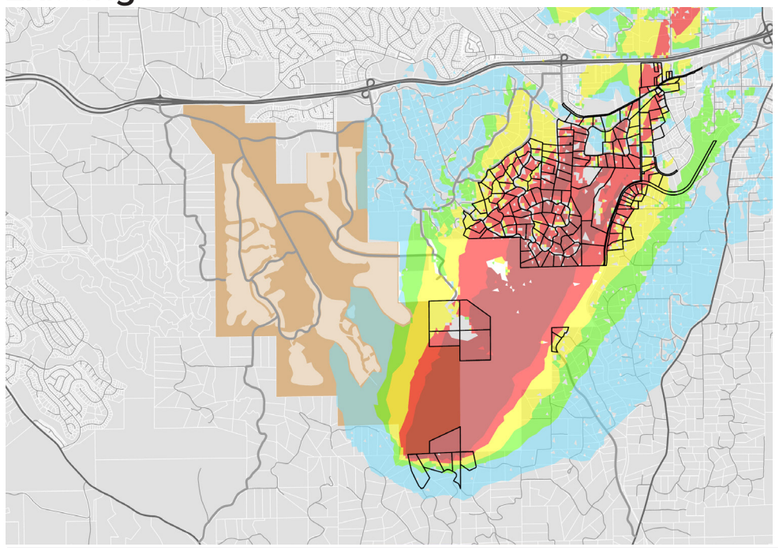
Travel time to safety is defined as the time required for the vulnerable evacuees to exit the red area.

Figure 12

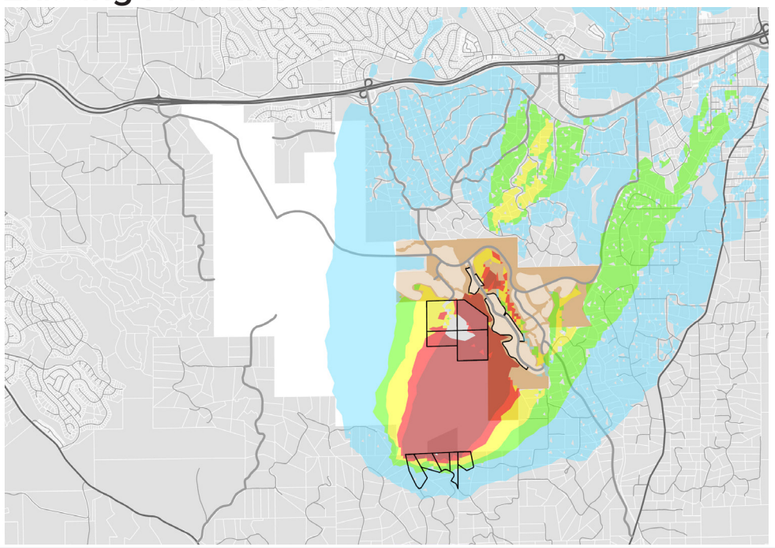
Travel Time to Safety for Vulnerable Evacuees Fire Scenario 2

Evacuation Begins at 11am

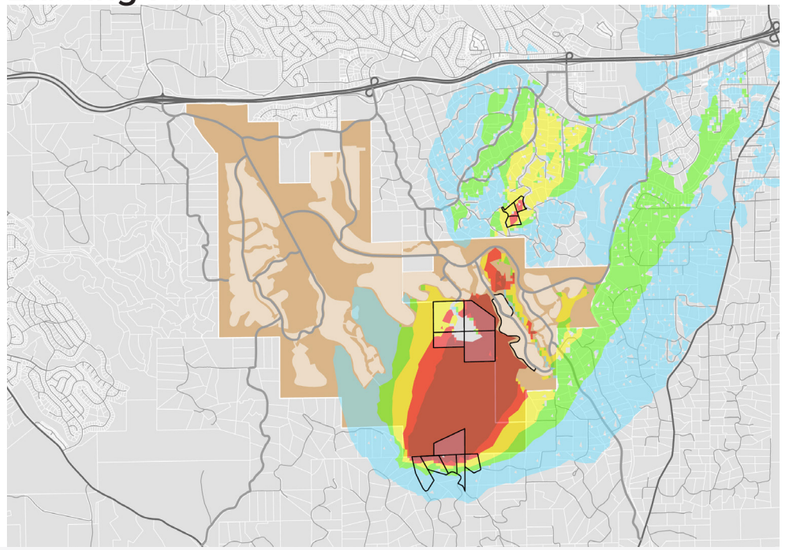
Existing



Existing Plus LRVSP



Existing Plus MVSP & LRVSP



Fire Progression (minutes): 30 60 120 180 240 Project Area Project Residential Area Vulnerable Parcels Evacuation Routes

Vulnerable Evacuees

193 Existing Population **80** Existing Households **241** Existing Employees

404 Project Population **160** Project Households **0** Project Employees

Vulnerable Evacuees

0 Existing Population **0** Existing Households **0** Existing Employees

404 Project Population **160** Project Households **0** Project Employees

Vulnerable Evacuees

0 Existing Population **0** Existing Households **0** Existing Employees

404 Project Population **160** Project Households **0** Project Employees

Evacuation Vehicle Trips

212 Existing Evacuees

Evacuation Vehicle Trips

0 Existing Evacuees **303** Project Only Evacuees

Evacuation Vehicle Trips

0 Existing Evacuees **303** Project Only Evacuees

Total Time to Safety (minutes)

19.8

Total Time to Safety (minutes)

N/A

18.2

Total Time to Safety (minutes)

N/A

18.2

Vulnerable evacuees are the population directly in the path of the fire (Red Area <= 60 minute fire progression). They are assumed to start self evacuation immediately, i.e., within 15 minutes of fire.

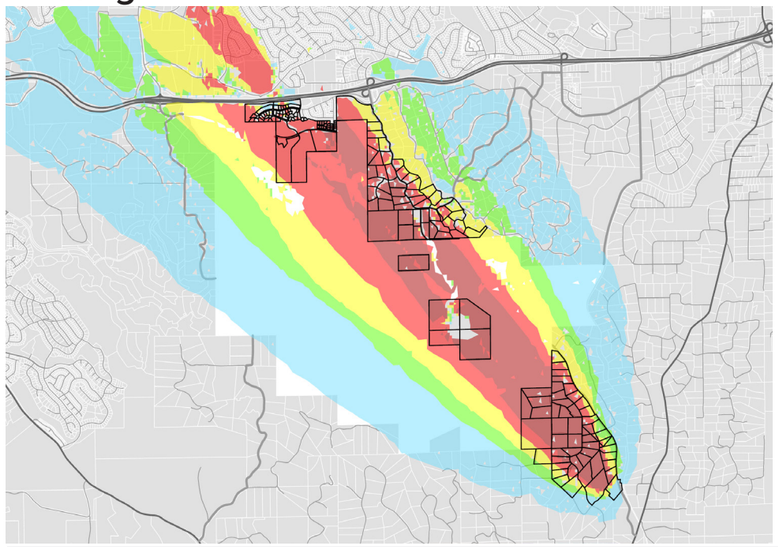
Travel time to safety is defined as the time required for the vulnerable evacuees to exit the red area.

Figure 13

Travel Time to Safety for Vulnerable Evacuees Fire Scenario 4

Evacuation Begins at 11am

Existing



Vulnerable Evacuees

557 Existing Population **235** Existing Households **15** Existing Employees

323 Project Population **128** Project Households **0** Project Employees

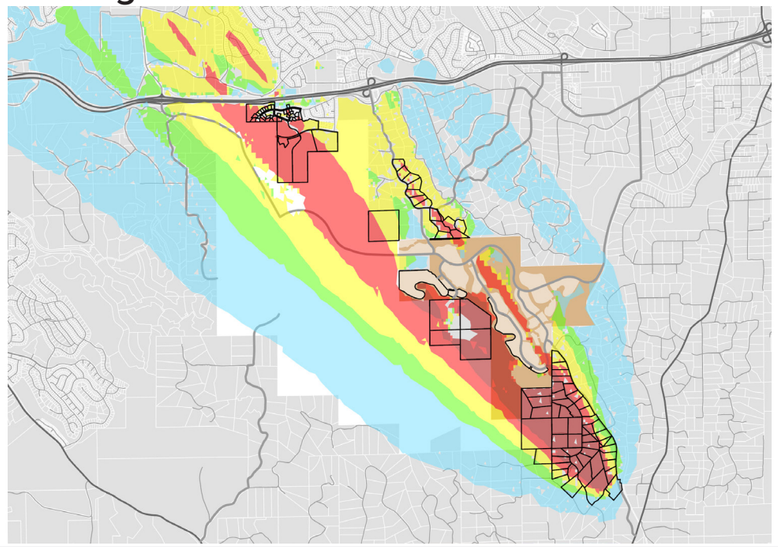
Evacuation Vehicle Trips

445 Existing Evacuees

Total Time to Safety (minutes)

20.4

Existing Plus LRVSP



Vulnerable Evacuees

284 Existing Population **119** Existing Households **1** Existing Employees

323 Project Population **128** Project Households **0** Project Employees

Evacuation Vehicle Trips

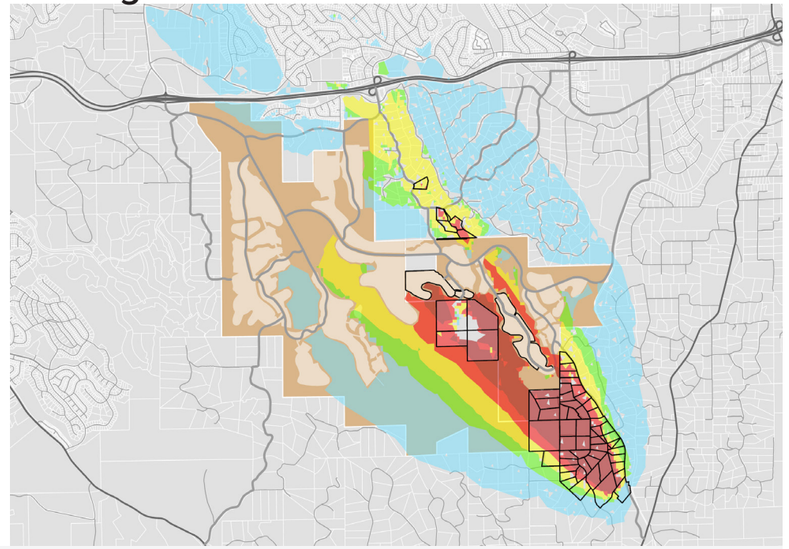
248 Existing Evacuees **243** Project Only Evacuees

Total Time to Safety (minutes)

19.9

18.2

Existing Plus MVSP & LRVSP



Vulnerable Evacuees

207 Existing Population **86** Existing Households **0** Existing Employees

323 Project Population **128** Project Households **0** Project Employees

Evacuation Vehicle Trips

163 Existing Evacuees **243** Project Only Evacuees

Total Time to Safety (minutes)

19.9

18.2

Fire Progression (minutes): 30 60 120 180 240 Project Area Project Residential Area Vulnerable Parcels Evacuation Routes

Vulnerable evacuees are the population directly in the path of the fire (Red Area <= 60 minute fire progression). They are assumed to start self evacuation immediately, i.e., within 15 minutes of fire.

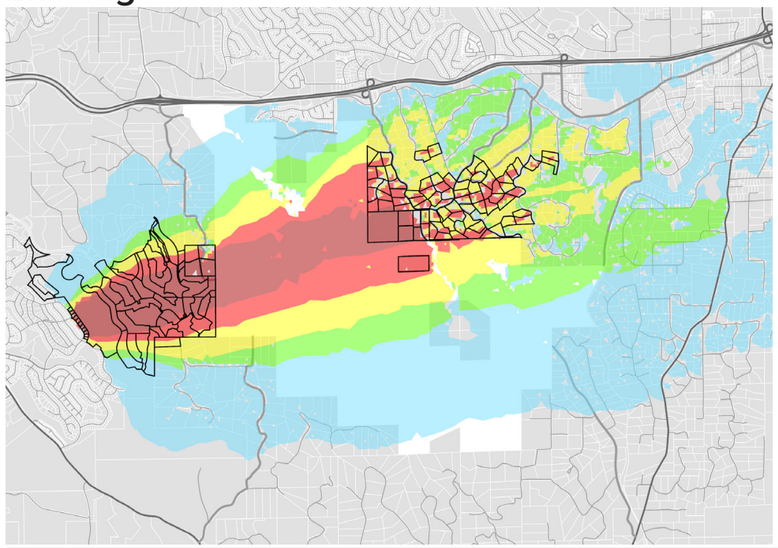
Travel time to safety is defined as the time required for the vulnerable evacuees to exit the red area.

Figure 14

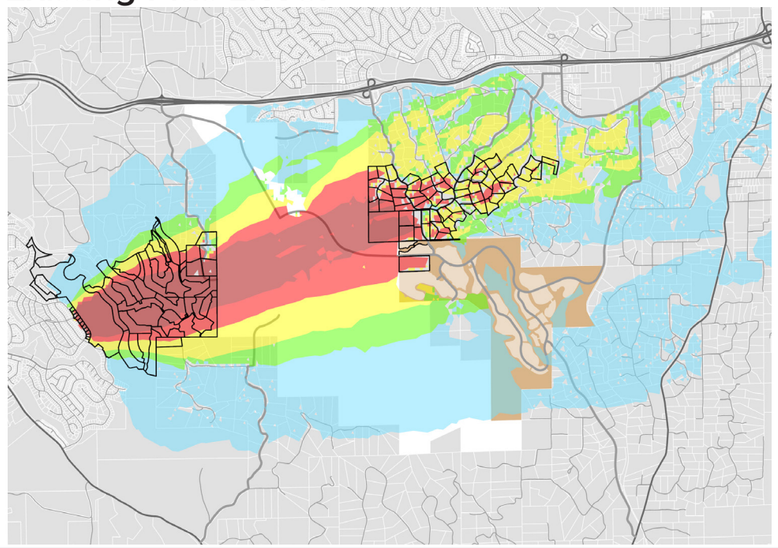
Travel Time to Safety for Vulnerable Evacuees Fire Scenario 7

Evacuation Begins at 7am

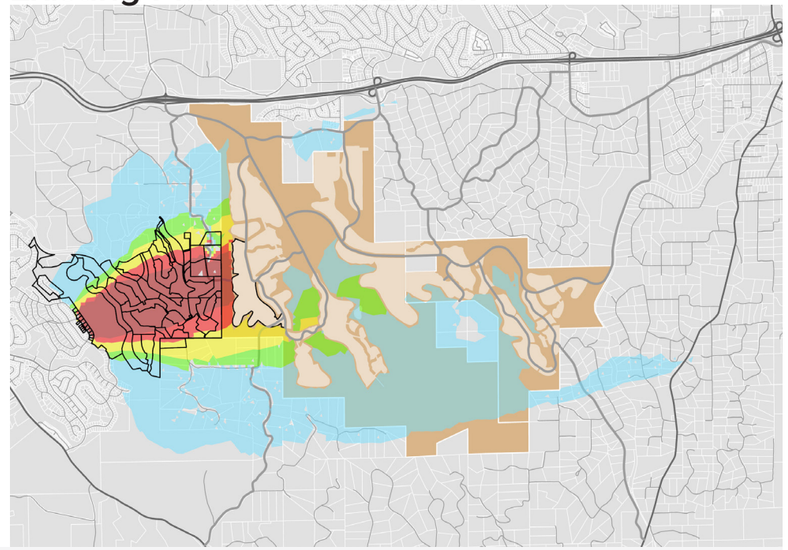
Existing



Existing Plus LRVSP



Existing Plus MVSP & LRVSP



Fire Progression (minutes): 30 60 120 180 240 Project Area Project Residential Area Vulnerable Parcels Evacuation Routes

Vulnerable Evacuees

112 Existing Population
46 Existing Households
6 Existing Employees
0 Project Population
0 Project Households
0 Project Employees

Evacuation Vehicle Trips

97 Existing Evacuees

Total Time to Safety (minutes)

17.7

Vulnerable Evacuees

105 Existing Population
42 Existing Households
6 Existing Employees
0 Project Population
0 Project Households
0 Project Employees

Evacuation Vehicle Trips

84 Existing Evacuees
0 Project Only Evacuees

Total Time to Safety (minutes)

17.7
N/A

Vulnerable Evacuees

75 Existing Population
29 Existing Households
0 Existing Employees
124 Project Population
49 Project Households
0 Project Employees

Evacuation Vehicle Trips

55 Existing Evacuees
93 Project Only Evacuees

Total Time to Safety (minutes)

17.5
18.1

Vulnerable evacuees are the population directly in the path of the fire (Red Area <= 60 minute fire progression). They are assumed to start self evacuation immediately, i.e., within 15 minutes of fire.

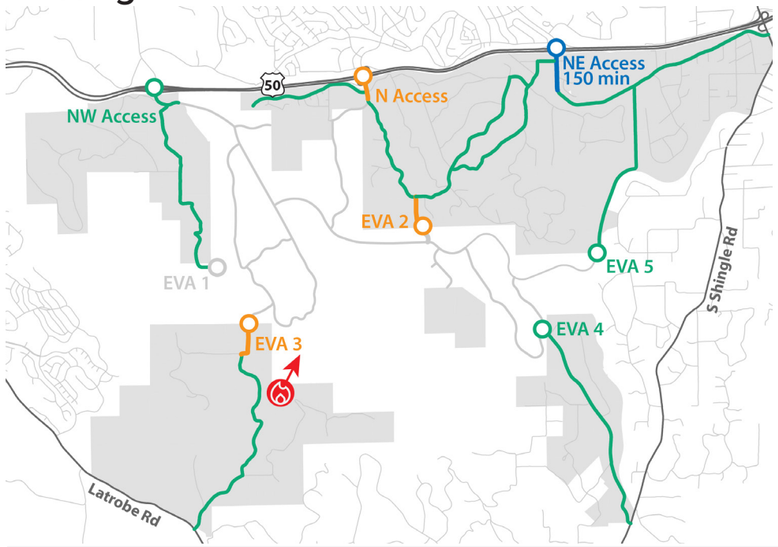
Travel time to safety is defined as the time required for the vulnerable evacuees to exit the red area.

Figure 15

Travel Time to Safety for Vulnerable Evacuees Fire Scenario 16

Evacuation Begins at 1pm

Existing



Evacuees

2,804 Existing Population | **1,132** Existing Households | **1,090** Existing Employees

2,022 Project Population | **800** Project Households | **0** Project Employees

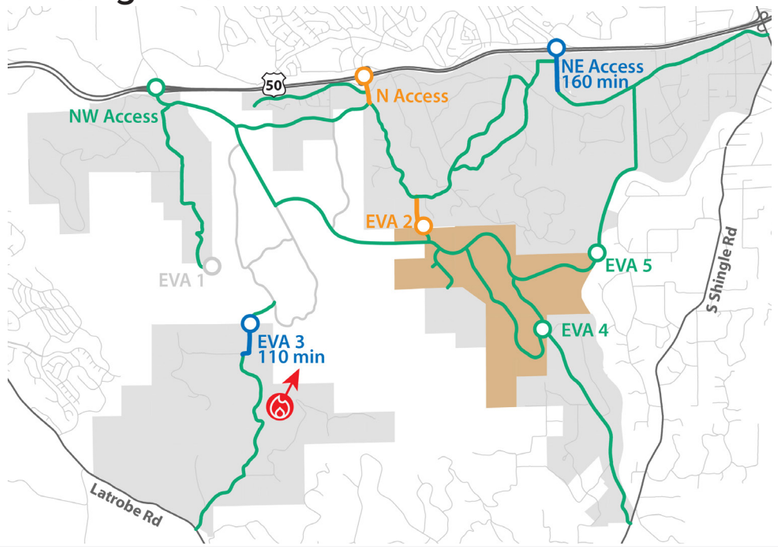
Evacuation Vehicle Trips

1,596 Existing Evacuees

Total Time to Evacuation (minutes)

188

Existing Plus LRVSP



Evacuees

2,804 Existing Population | **1,132** Existing Households | **1,090** Existing Employees

2,022 Project Population | **800** Project Households | **0** Project Employees

Evacuation Vehicle Trips

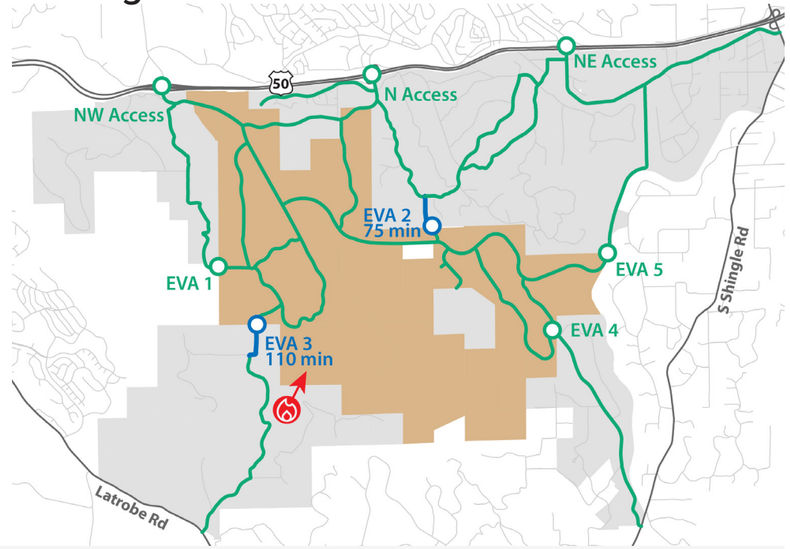
1,596 Existing Evacuees | **1,216** Project Only Evacuees

Total Time to Evacuation (minutes)

187

195

Existing Plus MVSP & LRVSP



Evacuees

2,804 Existing Population | **1,132** Existing Households | **1,090** Existing Employees

10,079 Project Population | **4,368** Project Households | **1,595** Project Employees

Evacuation Vehicle Trips

1,596 Existing Evacuees | **7,080** Project Only Evacuees

Total Time to Evacuation (minutes)

186

196

Fire Location and Wind Direction

Evacuation Routes: Available | Not Available | Partially Available (minutes)

Existing Evacuation Area | Project Evacuation Area

Evacuation window is 180 minutes.

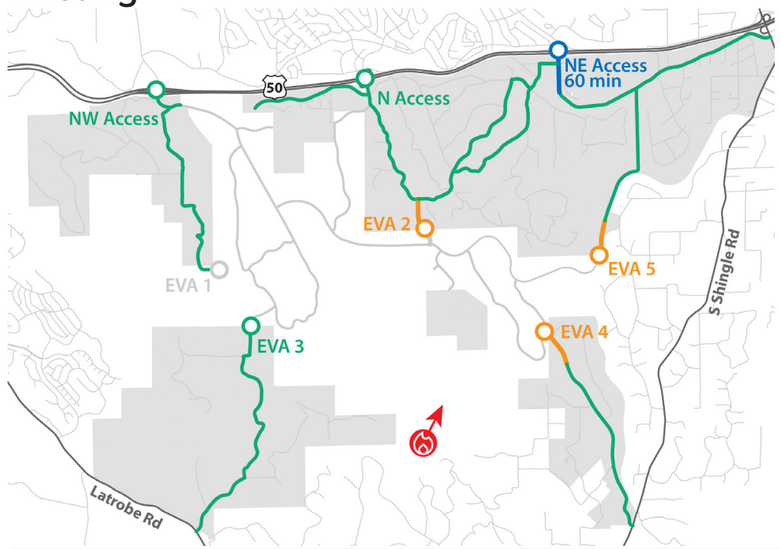
Total time required to evacuate is evacuation window + time required to exit the evacuation area for evacuees starting evacuation within the last 15 minutes.

Figure 16

Total Travel Time to Evacuate to the Evacuation Area
Fire Scenario 2

Evacuation Window 11am - 2pm

Existing



Evacuees

2,804 Existing Population | **1,132** Existing Households | **1,090** Existing Employees

2,022 Project Population | **800** Project Households | **0** Project Employees

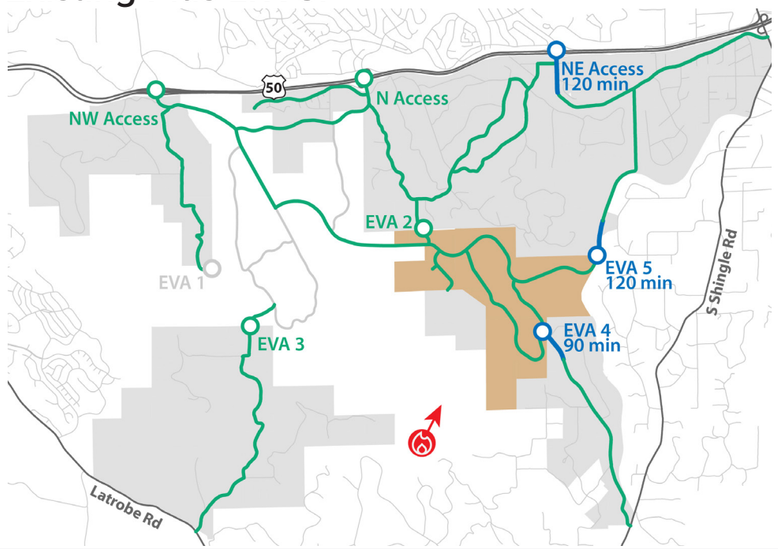
Evacuation Vehicle Trips

1,596 Existing Evacuees

Total Time to Evacuation (minutes)

187

Existing Plus LRVSP



Evacuees

2,804 Existing Population | **1,132** Existing Households | **1,090** Existing Employees

2,022 Project Population | **800** Project Households | **0** Project Employees

Evacuation Vehicle Trips

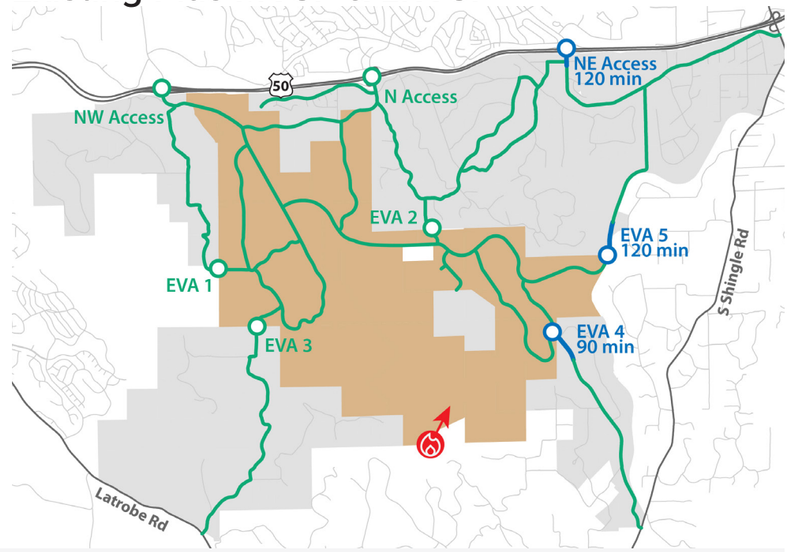
1,596 Existing Evacuees | **1,216** Project Only Evacuees

Total Time to Evacuation (minutes)

185

186

Existing Plus MVSP & LRVSP



Evacuees

2,804 Existing Population | **1,132** Existing Households | **1,090** Existing Employees

10,861 Project Population | **4,368** Project Households | **1,595** Project Employees

Evacuation Vehicle Trips

1,596 Existing Evacuees | **7,080** Project Only Evacuees

Total Time to Evacuation (minutes)

187

198

Fire Location and Wind Direction

Evacuation Routes: Available | Not Available | Partially Available (minutes)

Existing Evacuation Area | Project Evacuation Area

Evacuation window is 180 minutes.

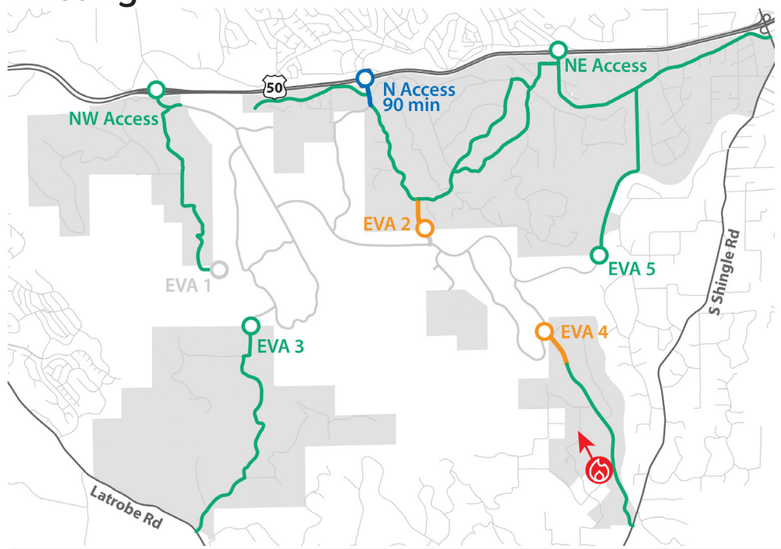
Total time required to evacuate is evacuation window + time required to exit the evacuation area for evacuees starting evacuation within the last 15 minutes.

Figure 17

Fire Scenario 4

Evacuation Window 11am - 2pm

Existing



Evacuees

2,804 Existing Population | **1,132** Existing Households | **1,090** Existing Employees

2,022 Project Population | **800** Project Households | **0** Project Employees

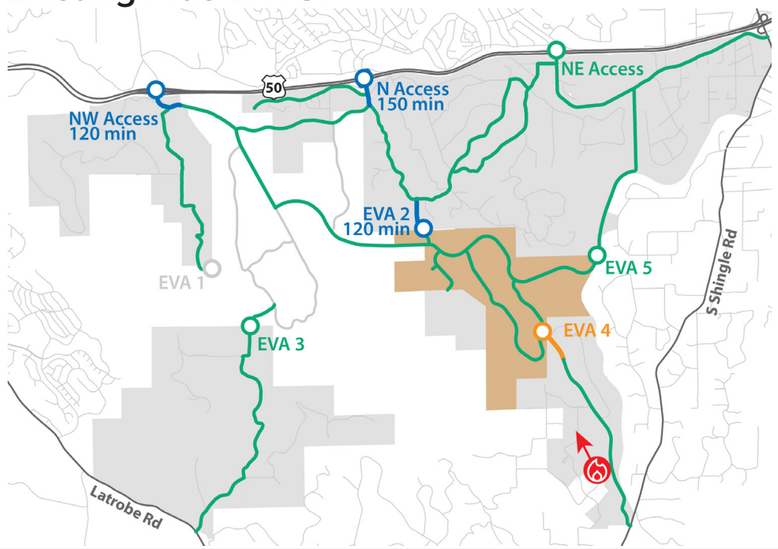
Evacuation Vehicle Trips

1,596 Existing Evacuees

Total Time to Evacuation (minutes)

188

Existing Plus LRVSP



Evacuees

2,804 Existing Population | **1,132** Existing Households | **1,090** Existing Employees

2,022 Project Population | **800** Project Households | **0** Project Employees

Evacuation Vehicle Trips

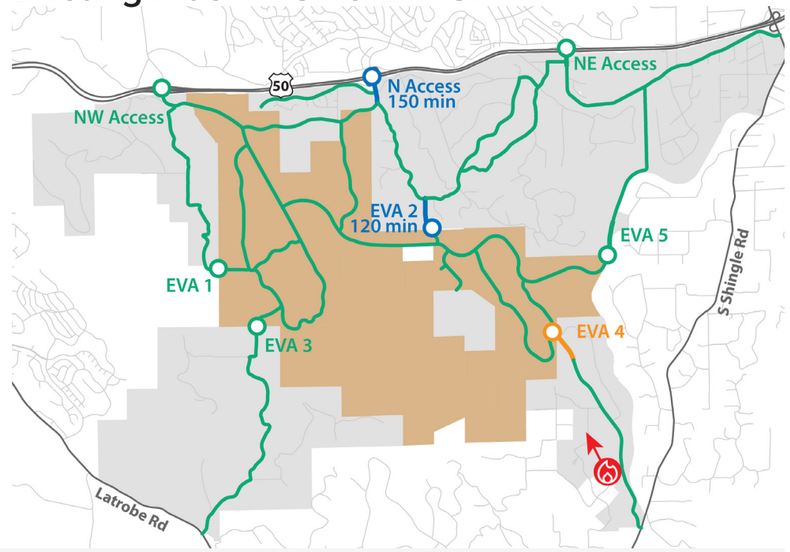
1,596 Existing Evacuees | **1,216** Project Only Evacuees

Total Time to Evacuation (minutes)

187

195

Existing Plus MVSP & LRVSP



Evacuees

2,804 Existing Population | **1,132** Existing Households | **1,090** Existing Employees

10,079 Project Population | **4,368** Project Households | **1,595** Project Employees

Evacuation Vehicle Trips

1,596 Existing Evacuees | **7,080** Project Only Evacuees

Total Time to Evacuation (minutes)

186

196

Fire Location and Wind Direction

Evacuation Routes: Available | Not Available | Partially Available (minutes)

Existing Evacuation Area | Project Evacuation Area

Evacuation window is 180 minutes.

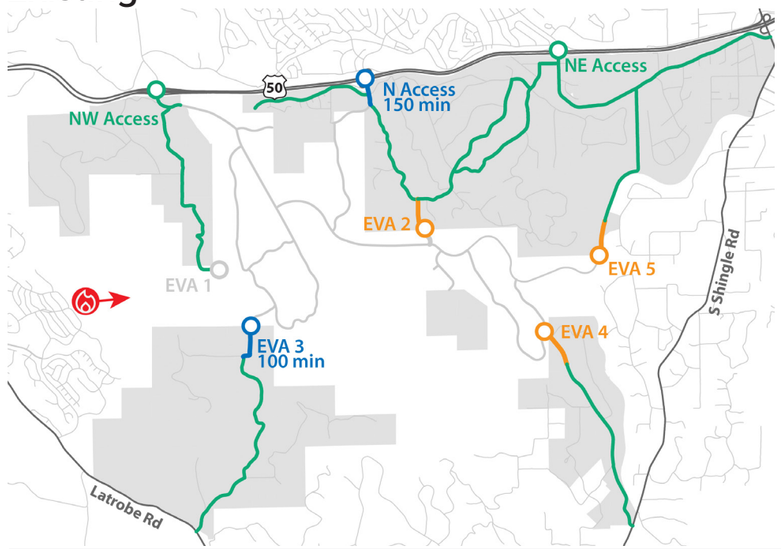
Total time required to evacuate is evacuation window + time required to exit the evacuation area for evacuees starting evacuation within the last 15 minutes.

Figure 18

Fire Scenario 7

Evacuation Window 7am - 10am

Existing



Evacuees

2,804 Existing Population | **1,132** Existing Households | **1,090** Existing Employees

2,022 Project Population | **800** Project Households | **0** Project Employees

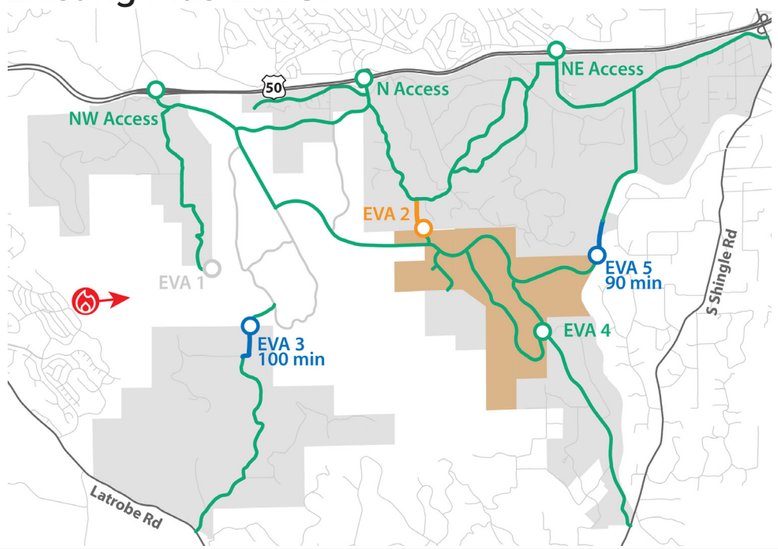
Evacuation Vehicle Trips

1,596 Existing Evacuees

Total Time to Evacuation (minutes)

188

Existing Plus LRVSP



Evacuees

2,804 Existing Population | **1,132** Existing Households | **1,090** Existing Employees

2,022 Project Population | **800** Project Households | **0** Project Employees

Evacuation Vehicle Trips

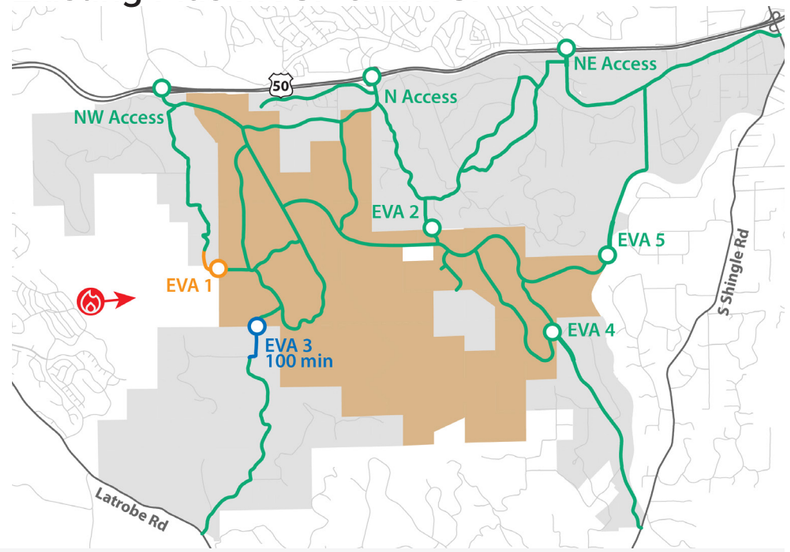
1,596 Existing Evacuees | **5,864** Project Only Evacuees

Total Time to Evacuation (minutes)

188

187

Existing Plus MVSP & LRVSP



Evacuees

2,804 Existing Population | **1,132** Existing Households | **1,090** Existing Employees

10,861 Project Population | **4,368** Project Households | **1,595** Project Employees

Evacuation Vehicle Trips

1,596 Existing Evacuees | **7,080** Project Only Evacuees

Total Time to Evacuation (minutes)

186

188

Fire Location and Wind Direction

Evacuation Routes: Available | Not Available | Partially Available (minutes)

Existing Evacuation Area | Project Evacuation Area

Evacuation window is 180 minutes.

Total time required to evacuate is evacuation window + time required to exit the evacuation area for evacuees starting evacuation within the last 15 minutes.

Figure 19

Fire Scenario 16

Evacuation Window 1pm - 4pm

Cumulative Conditions

Fehr & Peers, in coordination with Firesafe Planning Solutions, emergency service providers, and fire agencies identified study area and evacuation routes for analysis, which are shown on **Figure 2**.

The evacuation assessment includes the following four development scenarios that were analyzed under existing conditions:

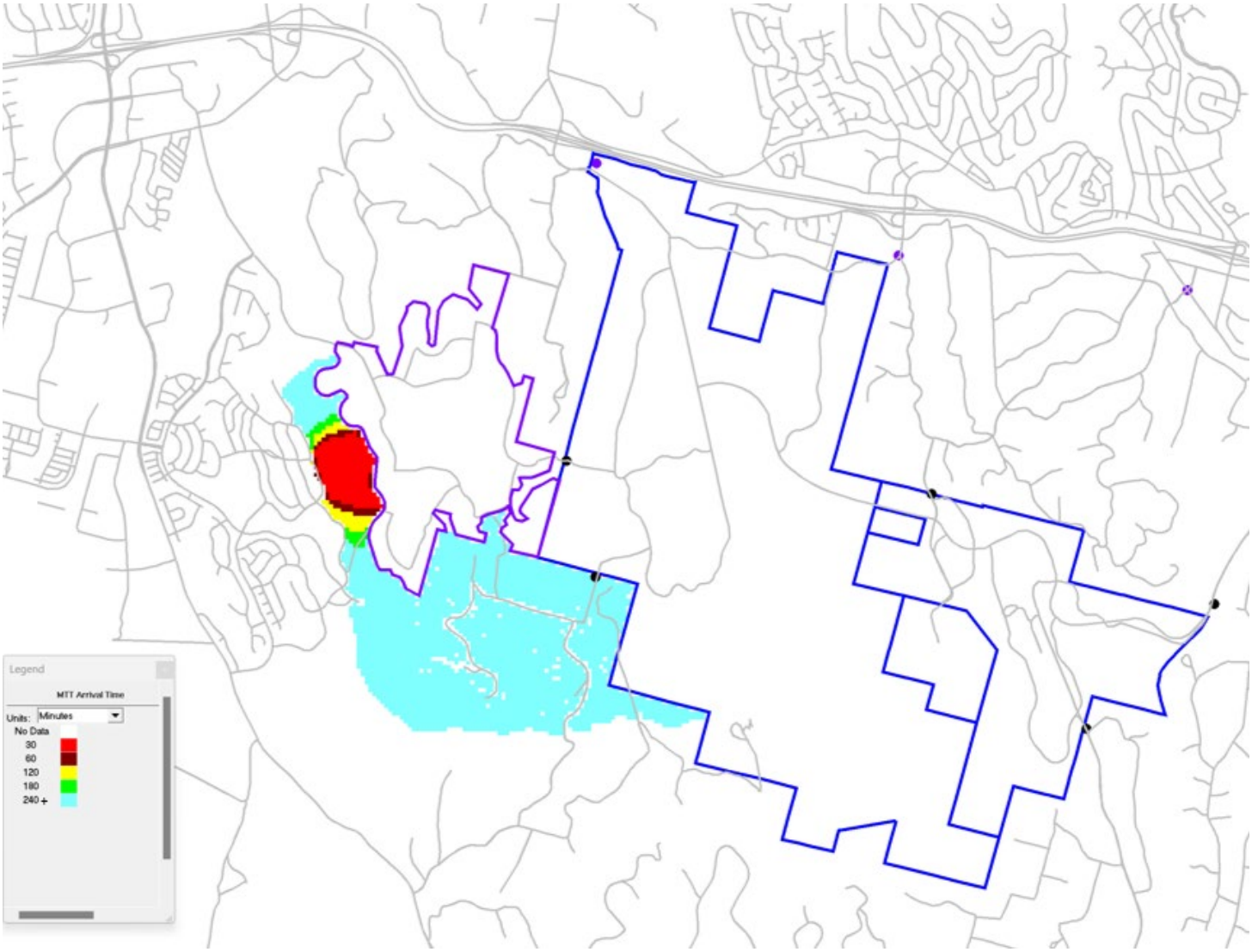
- No Project – Represents existing conditions (i.e., existing residents).
- Lime Rock Valley Specific Plan – Represents existing conditions with buildout of the Lime Rock Valley Specific Plan.
- Marble Valley Specific Plan – Represents existing conditions with buildout of the Marble Valley Specific Plan.
- Lime Rock Valley & Marble Valley Specific Plans – Represents existing conditions with buildout of both the Lime Rock Valley and Marble Valley Specific Plans.

The analysis results presented above for existing conditions are applicable to cumulative conditions, since the Project and proposed Marble Specific Plan are the only significant development projects in the study area that would add substantial population and transportation facilities that may affect the evacuation routes that may be used by the existing communities in the study area.

East Ridge Village is an approved planned residential development between the Project (i.e., to the west) and the existing Blackstone community, east of Latrobe Road. As a planned development, East Ridge Village was not assumed in the evacuation time estimates presented above under existing conditions. In addition, East Ridge Village does not include any full access roadway connections to the Project or to the evacuation routes shown on **Figure 2**.

However, future development of East Ridge Village would affect the behavior of Fire Scenario 16 by reducing the progression of the fire event under cumulative conditions. **Figure 20** shows the progression of Fire Scenario 16 with the addition of the approved East Ridge Village development. As shown, East Ridge Village would substantially delay the progression of the fire event to the point where the fire would take 200 or more minutes to reach the Marble Valley Specific Plan and the fire would not burn through to the Project or to existing communities to the east due to slower progression of the fire due to hardened site conditions and removal of wildland fuels (i.e., from development), and vegetation and fuels management implemented as part of East Ridge Village.

Figure 20: Fire Scenario 16 With Approved East Ridge Village Development



Appendix A –

Wildland Fire Evacuation Risk Report, Fire Behavior – The Lime Rock Valley Project

Appendix B –

First Responders Survey (Camp Fire, Butte County)

Appendix B: First Responders Survey Responses

Online survey responses by CalFire personnel between December 1 – December 5, 2022

1. **During the peak of the Camp Fire evacuation, how long did it take evacuees on Skyway to get from Neal Road in Paradise to Bruce Road in Chico?**
   Please provide your best estimate.
   a. Some reported 4 hours once the full scale of the evacuations were underway.
   b. I am not sure, I was at the command post.
   c. 4 hours
   d. 3 hours
   e. 2-3 hours
   f. Unknown
   g. It took me about 2.5 hours
   h. Depending on the time of day, it took between 45 min to 3 hours
   i. 3 hours
   j. Depends on the time they evacuated. Early on, it was normal drive time. Once things got bottle necked in the Chico area, it was gridlocked all the way up into Paradise.
   k. I was working off Pentz Road at this time.
   l. Unknown.
2. **During the peak of the Camp Fire evacuation, what speed would you estimate vehicles were traveling on Skyway? If you observed areas of stand-still traffic or bottlenecks, how long did they last and what was the location?**
   a. The entire Skyway was bottlenecked at one point or another. A lot of this due to the stoplights at the bottom of the Skyway stopping traffic.
   b. There was extreme bottlenecking on all roadways. Moving that many people and vehicles will cause that on any roadway.
   c. 1 MPH
   d. 0-5 MPH. The biggest bottle neck was in Chico.
   e. very slowly, <5 MPH
   f. I stayed at home in Nimshew, but it took my mom 5-6 hours to get to Chico via Skyway through Butte Meadows.
   g. It was a complete stand still. And when traffic would move it was extremely slow. This is why people were getting out and running as that was much faster.
   h. 0-1 MPH, gridlocked from Skyway/Clark Rd west to Neal Rd was bottle necked in all directions.
   i. Hour long standstills
   j. Bottle neck began in Chico at the HWY 99 interchange. All traffic should have been diverted to North bound 99 just to get the 20k people evacuating off the hill and on the highway. They could figure it out from there. Lessons learned!
   k. Gridlock occurred at Pentz Road and Billie Road in all directions during peak evacuations. The area just above Pentz opened up first as most evacuees were traveling downhill. The gridlock lasted for at least 1 hour. Many vehicles were on fire on Billie Rd and Pentz Rd blocking traffic. Many vehicles were also abandoned as residents were traveling on foot.
   l. Stand still for a while. Very slow driving in the height of the Camp Fire.

3. **What was your perception of the contra-flow lanes on Skyway during the evacuation? Any safety concerns for evacuees or first responders?**
    a. Contra-flow always brings with it significant safety hazards. Once traffic got backed up on the Skyway, the fire started catching up to citizens stuck in traffic. This brought on significant hazards to the public. The traffic lights at the bottom of the Skyway being changed to allow traffic out of Paradise unmetered access to Hwy 99, both north and south, may have helped.
    b. Contra-flow should only be used in extreme circumstances because of the safety concerns.
    c. It impeded first responder access;, I do not think there was any other option.
    d. It inhibits public safety movement during those times of one-way flow.
    e. Unknown
    f. It was very dangerous for all those involved. The traffic simply didn't flow, and all vehicles had to drive in all lanes to escape. This made it so engines and first responders couldn't enter the town, as vehicles were escaping in the on-coming lanes.
    g. From 0830 (8:30 AM) to 1300 (1:00 PM) all lanes were blocked, after 1300 (1:00 PM) the lanes cleared up and engines were able to move more freely.
    h. Oncoming traffic
    i. It was a mess. But it was an absolute disaster that we could not control or change. The contra flow was a good idea just became overwhelmed due to sheer numbers of people evacuating…
    j. N/A
    k. Once all lanes were used to get out, there was no driving in or out for fire personnel until traffic stopped. I had to drive on the sidewalk and there were times when I had to go oncoming while cars tried to get out of my way with almost no extra room. Made driving very slow.
4. **Please provide any other details or comments about your transportation experience as a first responder during the Camp Fire.**
    a. In both Camp Fire and the Oroville Dam Spillway incidents, we learned roadway improvements on these major throughfares is critical in the preservation of life. Having adequate shoulders that can support another lane, if possible, can help with emergency traffic, or emergency situations. Permanent electronic signs along the roadway that can be used to give information on contra-flow and evacuation efforts can help with large scale evacuations as well.
    b. Either slow traffic patterns, panicked people doing stupid actions, or downed power and communication lines and equipment that blocked traffic.
    c. I was a little upset that even after showing my Firefighter credentials to CHP they still were threatening to force me out of my neighborhood and told me that if I left my property, they would arrest me and my retired CalFire neighbor and we were feeding animals left behind and checking on neighbors properties per their request.
    d. The complete grid lock was due to other vehicles needing to merge onto the main roadways from the side roads. The town needs more main roads to enter/exit the town. As well as widening the roadways.
    e. Coordination between all agencies is essential to make sure traffic flow stays moving for people who need to evacuate.

f. We need to learn from this fire and all communities with similar population densities and limited evacuation routes should have plans in place to keep traffic moving. We knew that Paradise was vulnerable but nobody really though the whole town and Magalia would need to evacuate all at once. Like I stated earlier, we need to have a plan for the absolute wort case scenario even if it seems impossible. We use the PACE acronym to plan.
g. Many roads became impassable as the fire swept through. Trees, powerlines and telecommunication lines were blocking ingress and egress routes.
h. Once traffic stopped and fire started encroaching vehicles people would abandon their vehicles and would leave their vehicle parked in the middle of the road. It became very hard to access main roads after that.

5. Given the current population of Paradise and surrounding communities, if another wildfire was to strike the area, how long would it take evacuees on Skyway to get from Neal Road in Paradise to Bruce Road in Chico now?
Please provide your best estimate.

a. I would say in another large-scale evacuation it would still take a considerable amount of time. We can't plan for an evacuation as the population stands now, we have to plan for an evacuation when Paradise is fully repopulated, and all the homes are rebuilt.
b. That is a difficult question, there are so many variables. I think we could do it faster today than we did during the Camp Fire.
c. 1 hour
d. With the current population, I think the time would be significantly reduced. Perhaps 1.5 hours. The town is repopulating and within the next 10 years, the problems will be back to where they were.
e. Less than before but with growth occurring, it will return to similar time frames
f. Same if they don't open both sides of Skyway
g. I think it would still take a very long time. There is a smaller population, but the roads are not any better. The evacuation of the towns above Paradise also needs to be considered, as Magalia and Stirling City residents have to evacuate through Paradise.
h. Less time given that the population is at 10k compared to 27k
i. 45 minutes
j. 10 minutes
k. With a lower population and great awareness of the fire severity I feel the time would be cut by 75% compared to the times during the Camp Fire.
l. Unknown. I doubt there would be the buildup or the stop and go traffic that was in the Camp Fire.

6. **Given your perception of the contra-flow lanes on Skyway during the Camp Fire evacuation, what would you change about the evacuation lanes if a similar situation occurred again today?**
    a. I would put permanent electronic signs along the Skyway that are preloaded with contra-flow instructions, change all the traffic lights on Park Ave/Skyway from Bruce Rd to Hwy 99 (west side of overpass) green to promote the traffic at the bottom of the Skyway to keep moving, and widen all shoulders along the Skyway (or major evac route) to support breakdowns, or first responder traffic.
    b. Chico PD would have to be more involved to continue the contra-flow through the City of Chico
    c. Nothing.
    d. There is no blending of both flows due to idiotic or panicked drivers.
    e. Unknown
    f. I would widen all existing roads and see where additional roads can be created. There are too many people on the roads with very few outlets to leave. It's destined to have the same deadly impact if we don't change the infrastructure.
    g. None
    h. More room for first responders
    i. Open up the choke points down in Chico. Make all traffic get on the highway in either direction just to keep the Skyway open and not backing up.
    j. N/A
    k. Any stops outside the town, such as Chico, would need to be made green to let traffic continue to flow.

7. **Please provide any other details or comments about your experience as a first responder serving communities on Skyway today.**
    a. Skyway is finally starting to look good again. There are still a couple areas in the Town of Paradise that will bottleneck, but improvements are being made. I would also add, don't think that because Paradise has lost a lot of residents, that the traffic problems would be solved. Paradise is rebuilding, and people will once again want to move there. There is still a lot to burn in Magalia, Sterling, and Inskip, which would trigger another large-scale evacuation. Decisions on the roads now will impact the community in the future.
    b. The only solutions are to add more lanes to both the Skyway and to SR-99. When SR-99 is gridlocked, there is nowhere for the traffic to go and it just backs up the Skyway.
    c. Make roadways wide enough to have disabled vehicles out of the lanes of traffic, to keep a flow moving.
    d. I was a little upset to see that on Pentz in the Ponderosa Elementary area, they appear to have completed the sidewalks and bike trail but didn't widen the road there at all. I was under the impression that they were going to make changes to Pentz to allow more traffic in an emergency.
    e. None
    f. I never want to see another community devastated like Paradise and Butte County again!