

MAINTENANCE

Caltrans

Vegetation Management Program

How to Obtain an Encroachment Permit for Prescribed Herbivory for RMAC

Lisa Ann Worthington

Caltrans HQ Maintenance

Chief, Office of Vegetation and Wildfire Management

Supervising Landscape Architect PLA #5879

telework cell 530.613.7332 state cell: 916.531.2646



Worthington, Lisa A@DOT

[Chat with me in Teams](#)



Division of Maintenance

Office of Vegetation and Wildfire Management

\$90.2 M

3 Branches

9 Programs

3 Performance Metrics

18 HQ Staff

96 field crews

35 new professional staff

Natural Resource Management Branch

Kevin Gallo, Sr LA (Supervisor)

GIS Services and Public Facilities Branch

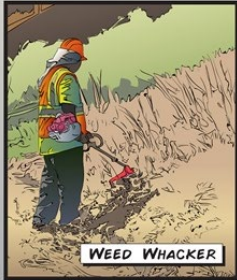
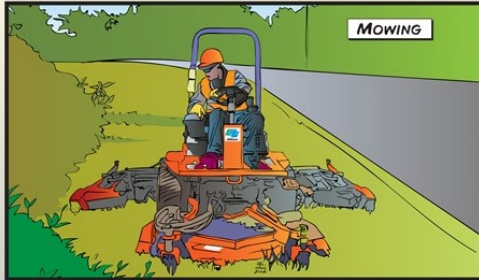
Evan Torres, Sr LA (Supervisor)

Environmental Stewardship and Management Branch

Kristen Stubblefield, Sr Environmental Scientist

Where we are now?

CALTRANS INTEGRATED VEGETATION PLAN

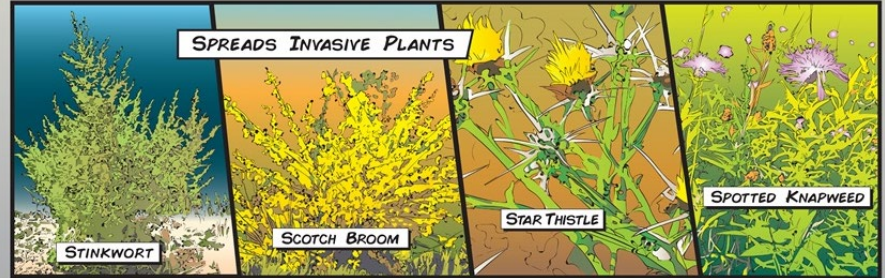


OTHER METHODS

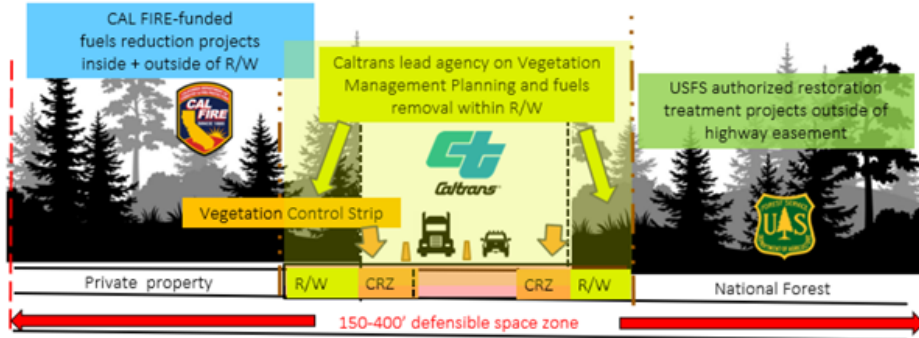
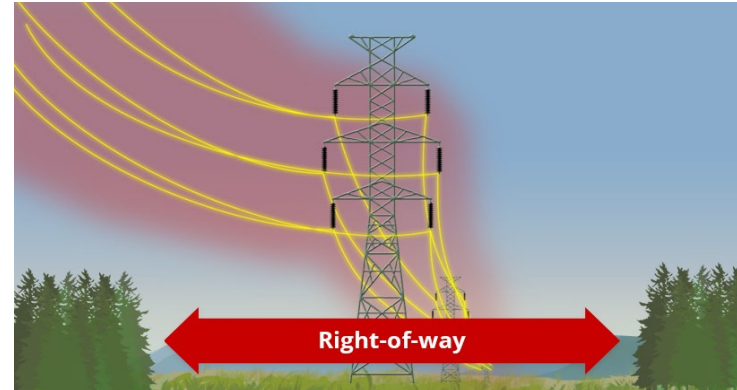
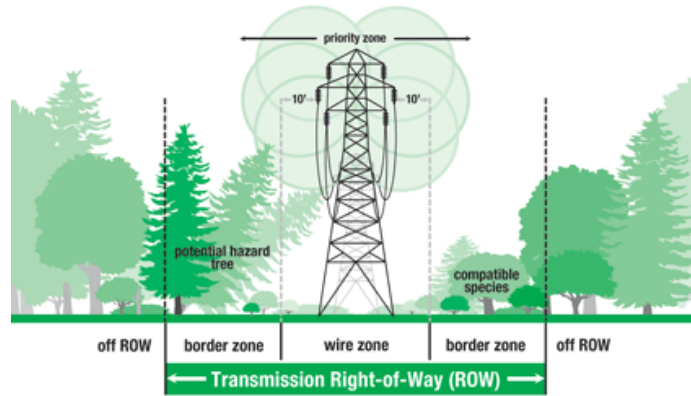
...EVEN GOATS!

MUNCH MUNCH MUNCH

PROBLEMS ASSOCIATED WITH UNMANAGED VEGETATION



Complexity of Fuel Hazard Reduction in Linear RW



Webinar Goal

Goal: Participants increase their knowledge about the constraints, requirements, and considerations of grazing planning for fuel reduction on state lands, including how agencies want graziers to utilize permitting processes.

Caltrans Encroachment Permit link

<https://dot.ca.gov/programs/traffic-operations/ep/applications>



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Obtain Permits

- [Airport Permits](#)
- [Encroachment Permits](#)
- [Heliport Permits](#)
- [Outdoor Advertising Permits](#)
- [Transportation Permits](#)



Travel



Work with Caltrans



Programs



Caltrans Near Me



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District Encroachment Permits Contact Information

For the well-being of Caltrans' staff and encroachment permit applicants, in-person interactions are currently being restricted. Our staff will process your submittal and respond to your request as soon as possible.

Payments should be mailed in (payable to "Caltrans" or "California Department of Transportation"). Please include on the memo line:

- the permit tracking number and/or
- the County, Route and Post Mile location of your proposed encroachment

District 1

1656 Union Street (95501)
P. O. Box 3700
Eureka, CA 95502-3700
(707) 445-6385
(707) 445-6317 FAX
D1Permits@dot.ca.gov

District 1 - Satellite Office

Encroachment Permits

- [EP Homepage](#)
- Manuals and Publications:
 - [EP Manual](#)
 - [Guidelines and Booklets](#)
 - [Related Manuals & Publications](#)
- [Applications and Forms](#)
- [Temporary Permits for Businesses to Operate on State Highway Right of Way \(ROW\)](#)
- [New & Current Policy](#)
- [Specifications](#)
- Other:

Experiencing issues accessing a form?

- E.P. Application Check List (TR-0402)
- E.P. Application Check List - Landscaping (TR-0412)
- E.P. Application Check List - Special Event (TR-0410)
 - Informational video - Applying for a Special Event Permit (YouTube link)
- E.P. Application Check List - Traffic Control (TR-0411)
- E.P. Application Check List - Utilities and broadband (TR-0413)
- Applicant's Check List to determine appropriate review process (TR-0416)
 - Informational video - Caltrans Encroachment Projects Processes (YouTube link)

ENCROACHMENT PERMIT APPLICATION CHECKLIST - LANDSCAPING

TR-0412 (NEW 06/2019)

NAME OF APPLICANT OR ORGANIZATION

TRACKING NUMBER

DISTRICT / COUNTY / ROUTE / POSTMILE

All work performed within State highway right-of-way must conform to all applicable Departmental construction standards including but not limited to the Encroachment Permits Manual, Standard Specifications, Standard Plans, Project Development Procedures Manual, Highway Design Manual and Special Provisions.

APPLICATION

- All listed items must have a selection (select "N/A" if not applicable).
- Work description within State highway right-of-way must be comprehensive.
- Does the scope of work involve the use of pesticides (herbicides, insecticides, rodenticides, etc.)?
- The "Standard Encroachment Permit Application" (form TR-0100) must be signed by the applicant/project or property owner or organization. If signed by an agent, attach a letter of authorization. Note: Box 28 is the applicant's information and box 29 is the authorized agent's.
- Signatures are required on both the application and the letter of authorization.

Interregional Road System (IRRS)

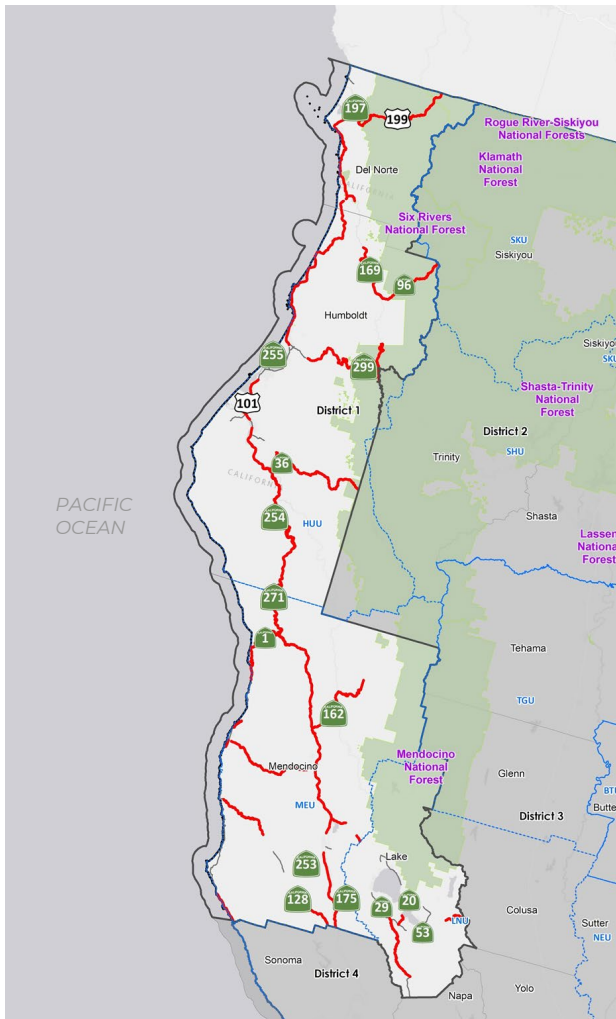
June 2015

Streets and Highway Code
Section 164.10-164.20

- California legislatively defined the **IRRS**
- Routes connect major **population centers**
- Routes connect to County-identified roads and serve as **primary evacuation routes** in the event of a disaster



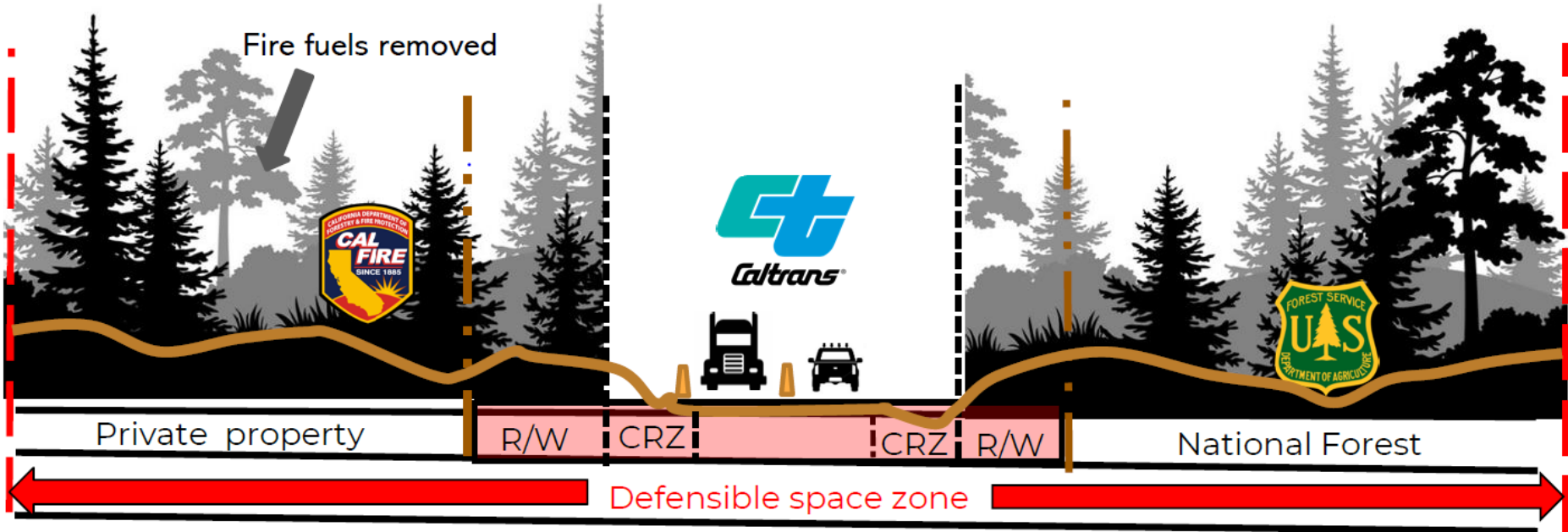
District 1 Priorities



Total Highways: 17			
Total Segments: 118			
Total Priority Centerline Miles: 621 mi			
District Average Weighted Score: 76			
Counties Impacted: Del Norte, Humboldt, Lake, Mendocino			
Routes	Miles	Weighted Score	Post Mile Markers
SR-1	40	73	0-9.9, 57.7-59.8, 63.2-66.3, 79.3-105.6
SR-128	27	73	18-40.3, 41.1-50.9
SR-162	28	75	27-59.3
SR-169	23	77	0-3.5, 13.2-33.84
SR-175	20	73	8.3-28
SR-197	7	75	0-7.1
SR-20	37	75	0.8-32.6, 30.8-37.7, 38-46.5, 42.3-44.1
SR-254	32	77	0-46.5
SR-271	13	78	0-16.4, 17-22.7
SR-281	3	70	14-17
SR-299	36	75	6.2-43
SR-36	36	76	9.3-45.7
SR-96	32	72	0-8.7, 0-33.8
US-101	246	87	3.4-26.2, 26.7-31.7, 59.6-106.7, 91.2-106.7, 26.9-90.5, 0.4-2.6, 61.9-74.7, 97.4-137.4, 89.6-96.8, 0.2-21.9
US-199	35	90	0-36.3

Coastal routes in the northwest corner in the state of California are as high of a risk even though rainfall amount are the greatest compared to other counties throughout the state.

Fire fuels removed



State Highways are essential for emergency access, evacuation and fire control line.



Defensible space zone







California Wildfire and Forest Resilience Task Force

<p>Beneficial Fire</p> <p>Broadcast Burn Wildfire Managed for Resource Benefit</p>	<p>Mechanical and Hand Fuels Reduction</p>	<p>Timber Harvest</p>	<p>Tree Planting</p>
<p>Grazing</p> <p>Grazing Allotment</p> <p>Prescribed Herbivory</p>	<p>Herbicide Application*</p> <p>Chipping</p> <p>Dozer Handline Landing Treated - Area Mitigated Lop and Scatter Mastication/Chaining Mowing</p> <p>Pile Burning Piling Precommercial Thinning (Manual) Precommercial Thinning (Mechanical) Pruning</p> <p>Tree Release and Weed</p> <p>Trees Felled (> 6 in dbh)</p>	<p>Alternative Prescription</p> <p>Clearcut Commercial Thin Conversion Group Selection Harvest Rehabilitation of Understocked Area Seed Tree Prep Step Seed Tree Removal Step Seed Tree Seed Step Shelterwood Prep Step Shelterwood Removal Step Shelterwood Seed Step Single Tree Selection Transition Harvest Variable Retention Harvest</p>	<p>Site Preparation Tree Planting Tree Seeding</p> <p>Watershed & Habitat Improvement</p> <p>Aspen/Meadow/Wet Area Restoration Habitat Revegetation Herbicide Application* Oak Woodland Management Pest Control* Road Obliteration Stream Channel Improvement Wetland Restoration</p>
<p>Land Protection</p> <p>Easement Land Acquisitions</p>	<p>Yarding/Biomass Removal</p>		
<p>Sanitation & Salvage</p> <p>Pest Control* Sanitation and Salvage Harvest</p>			





DATA SOURCE CATEGORIES

Task Force System Categories	CNRA	CaMAPPER	CalTrans	USFS	DOI
Forest Health/Fuels Reduction	✓	✓	✓	✓	✓
• Mechanical & Hand Fuels Reduction	✓	✓	✓	✓	✓
• Prescribed Grazing	✓	✓	✓	Some	✓
• Sanitation & Salvage	✓	✓	✓	✓	
• Timber Harvest	✓	✓	✓	✓	
Beneficial Fire	✓	✓		✓	✓
Land Protection	✓	✓			
Tree Planting	✓	✓		✓	Some
Watershed & Habitat Improvement	✓				Some

Caltrans Calendar Year Treatment Activity Acres
 "Right of Way Clearance" (normal, routine maintenance, up to 10')
 "Fuel Reduction" (more extensive, non-routine, includes contracts)

Caltrans Veg				
Categories	Mgmt	2021 Acres	2022 Acres	2022 Acres
Beneficial Fire				
Prescribed Grazing	✓	0	0	grazing crediting opportunity?
Mechanical & Hand Fuels Reduction	✓	~111,000	~124,000	xxxx
Sanitation & Salvage	✓			
Land Protection				
Timber Harvest	✓			
Tree Planting				
Watershed & Habitat				



Interregional Road System (IRRS)

caltrans.maps.arcgis.com/apps/webappviewer/index.html?id=b824c2b040c0475fb207df0c432cbf1d

Smartsheet.com Office of Vegetatio... Caltrans Vegetation... IFB 56A0687 DEA GIS Library Survey 123 Service... California Wildfire... D4 DRAM District 4 Vegetatio...

Find address or place

The map displays the state of California divided into 12 administrative districts, each labeled from District 1 to District 12. A network of roads is overlaid on the map, with the Interregional Road System (IRRS) highlighted in a bright pink color. The IRRS network is most dense in the central and southern parts of the state, particularly in the San Joaquin Valley and the Los Angeles basin. Other geographical features labeled include Carson City, San Jose, Las Vegas, and the Mojave Desert. The map interface includes a search bar, a zoom control panel on the right, and a legend on the far right.

CT Service Contracts

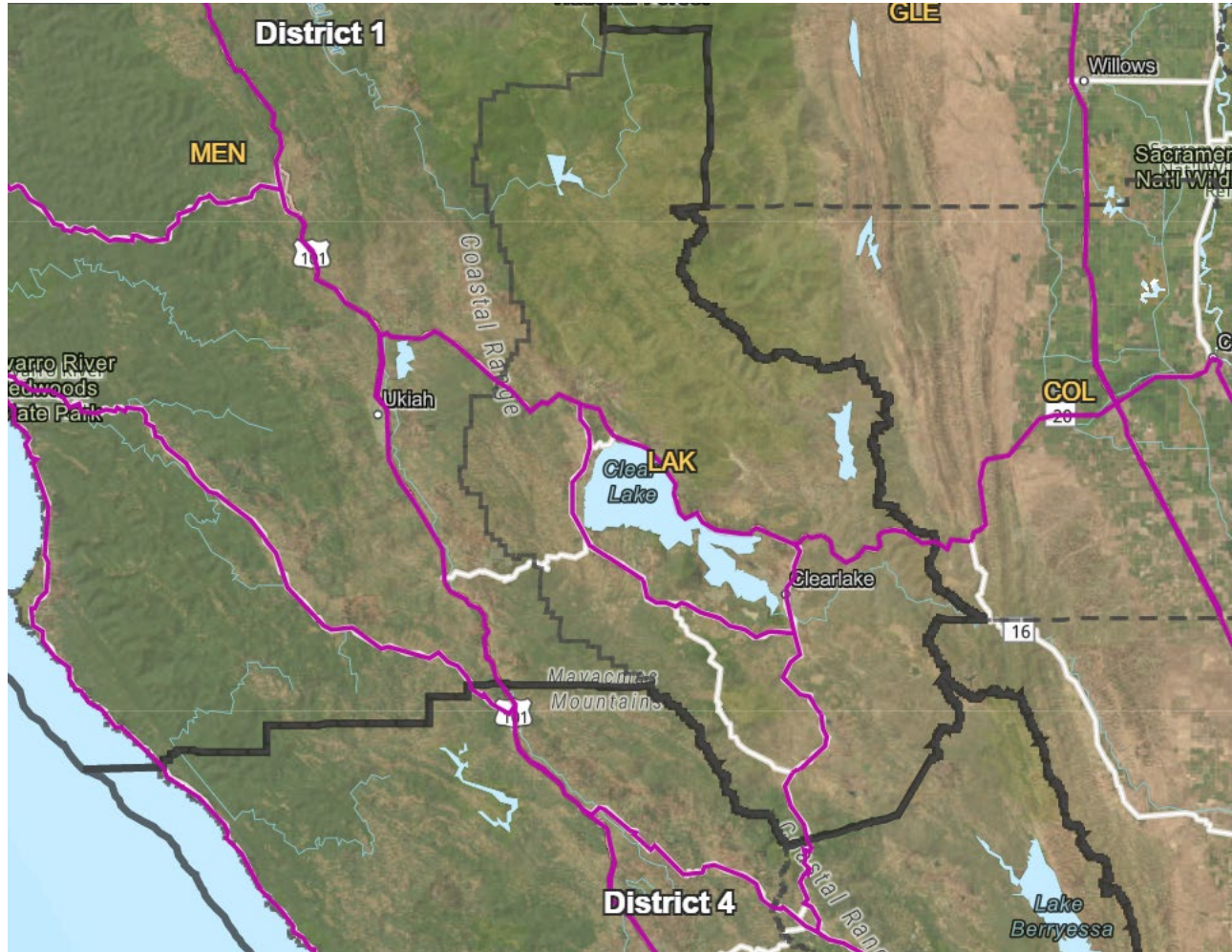
- Caltrans Fuel Reduction Service Contracts - FY 2021 - 2022
- Caltrans Fuel Reduction Service Contract 02 - FY 2022 - 2023
- Statewide Winter Workshop Priority Routes
- DOTP Interregional Road System (IRRS)
- Caltrans - Priority Fuel Load Reduction Segments
- Vegetation Management Treated Acres 2022
- State Highway
- California State Park Boundaries
- USFS Administrative Forest Boundaries
- CAL FIRE Administrative Units
- California County Boundaries
- Caltrans Maintenance Region
- Caltrans District Boundary

Caltrans

Encroachment Permit Required Data

County-Route-Postmiles

Caltrans District 1
Lake County
State Route 20

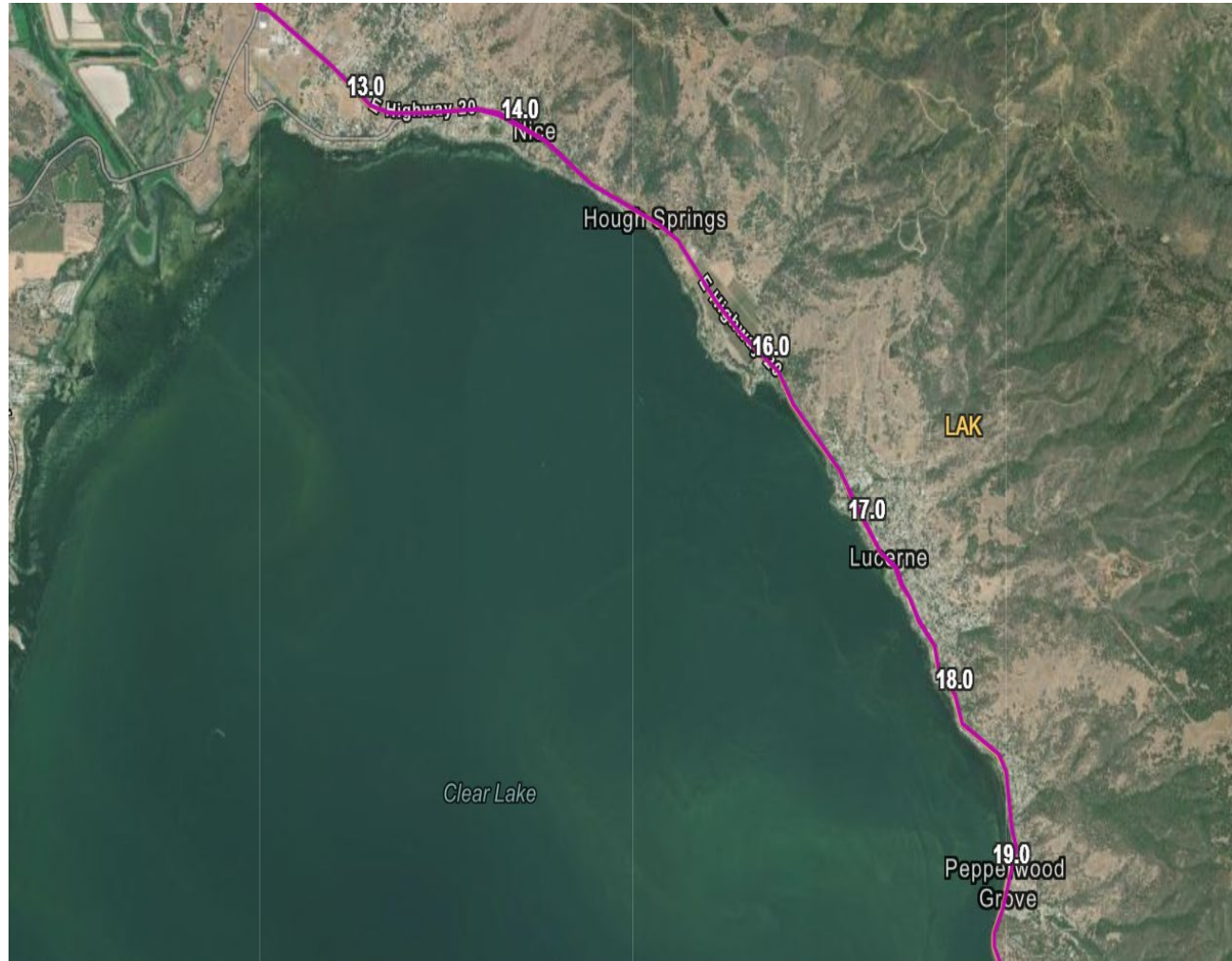


Encroachment Permit Required Data

Caltrans District 1

The project limits of a fuel
reduction treatment
under encroachment
permit through
prescribed herbivory by a
managed herd of 30 goats
location is:

LAK-20-16.0-19.4



Encroachment Permit Application

[https://dot.ca.gov/
programs/traffic-operations/ep/applications](https://dot.ca.gov/programs/traffic-operations/ep/applications)