

The Eldorado National Forest Roadside Hazard Tree Project

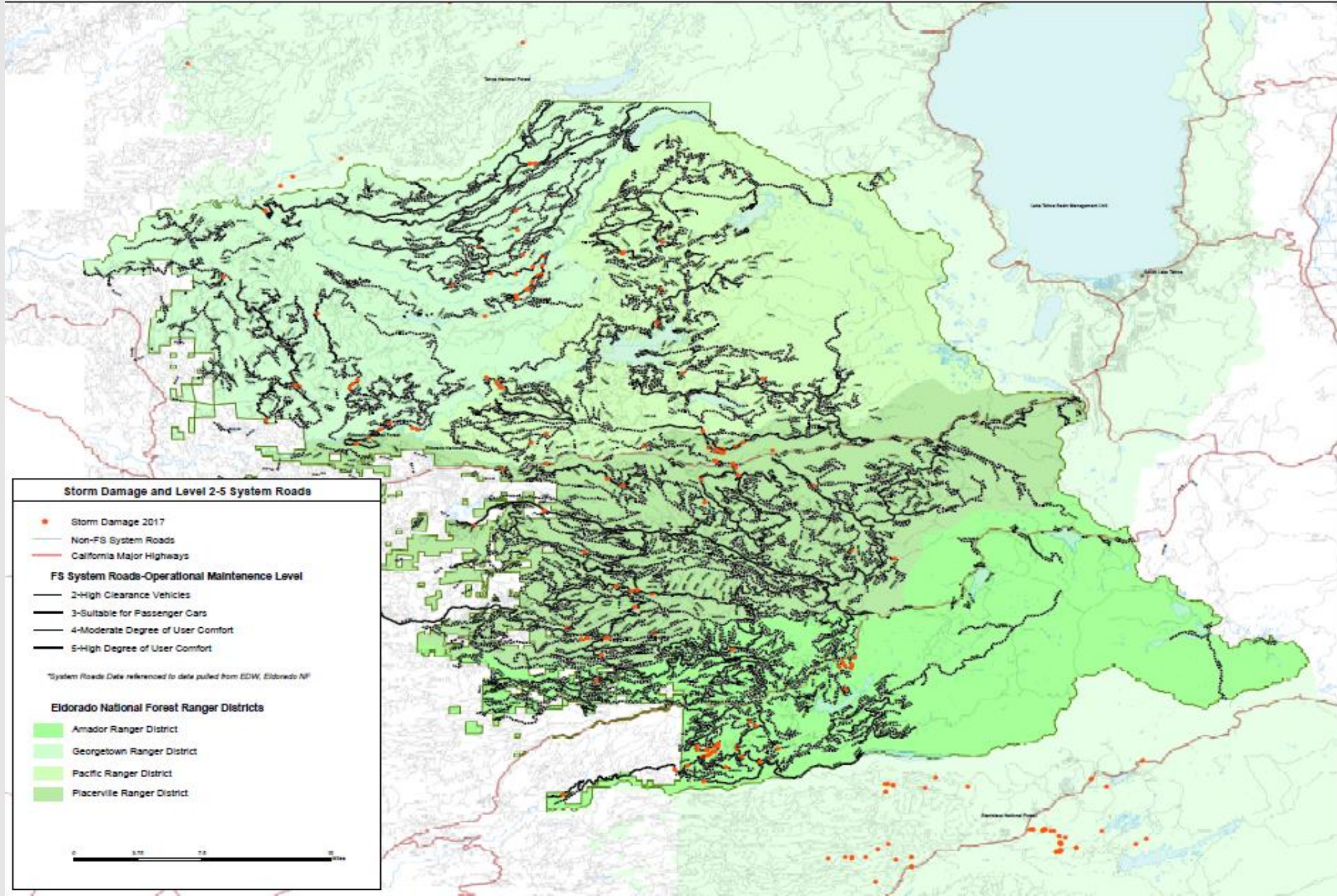
Presented to the Amador Calaveras Consensus Group

By: Phil Cannon

February 21st, 2018







Storm Damage and Level 2-5 System Roads

- Storm Damage 2017
- Non-FS System Roads
- California Major Highways

FS System Roads-Operational Maintenance Level

- 2-High Clearance Vehicles
- 3-Suitable for Passenger Cars
- 4-Moderate Degree of User Comfort
- 5-High Degree of User Comfort

*System Roads Data referenced to data pulled from EDW, Eldorado NP

Eldorado National Forest Ranger Districts

- Amador Ranger District
- Georgetown Ranger District
- Pacific Ranger District
- Placerville Ranger District



Miles of FS System Roads in Eldorado NF by Ranger District

	Amador	Georgetown	Pacific	Placerville
Level 2	324.410	369.385	303.790	536.954
Level 3	97.740	78.180	59.530	138.867
Level 4	33.720	30.750	23.140	36.114
Level 5	2.870	0.000	0.000	22.258

Total Miles of Roads = 2057



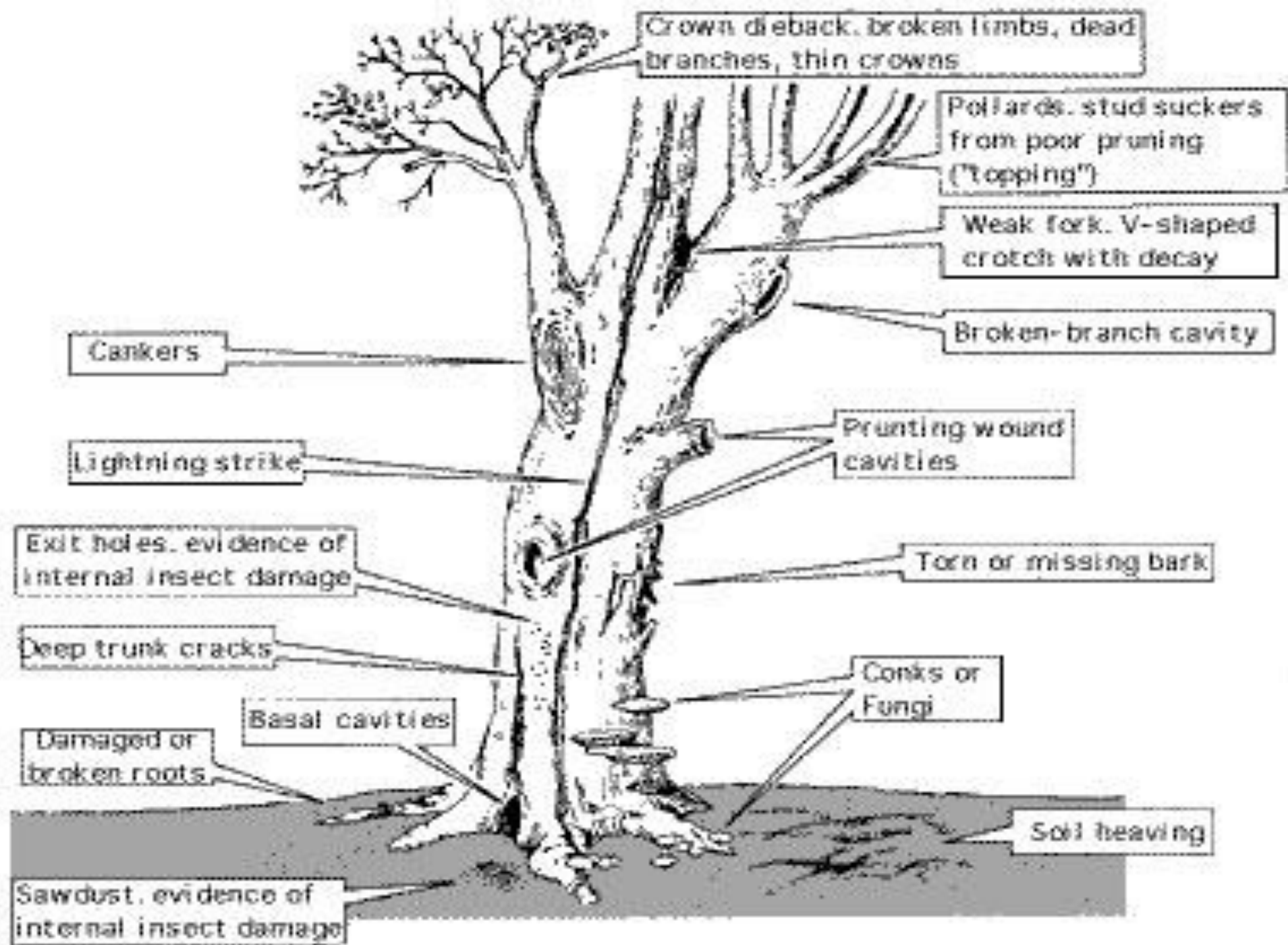
**Forest Health Protection
Pacific Southwest Region
April 2012 (Report # RO-12-01)**



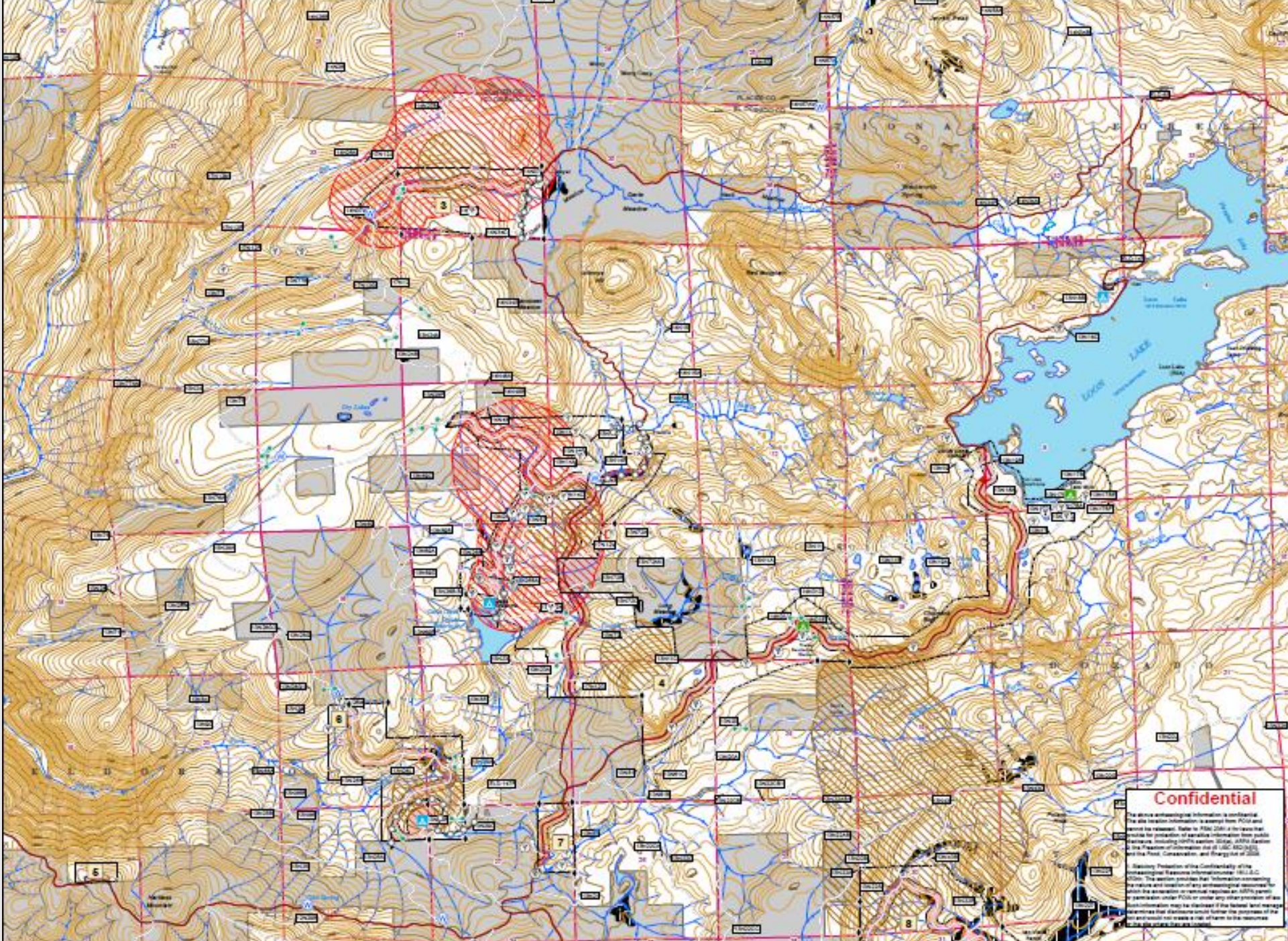
**Hazard Tree Guidelines For Forest Service
Facilities and Roads in the Pacific Southwest Region**

**Peter A. Angwin, Daniel R. Cluck, Paul J. Zambino,
Brent W. Oblinger and William C. Woodruff**

These hazard tree guidelines provide a means to identify and abate hazard from trees that are likely to fail and cause injury to either people or property on Forest Service system roads or at Forest Service facilities (i.e. campgrounds, boat ramps, trailhead parking, summer home tracts, administrative sites, kiosks, information centers, etc.) in California. They are intended to provide consistent direction for hazard tree identification and abatement and their use is highly encouraged and fully supported by Forest Health Protection (FHP) staff.



**Timber Salvage Hazard
Timber Sale Area Map
Pacific and Georgetown R.D.
Eldorado National Forest**
Page 1 of 5

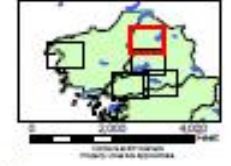


- Sale Area/Unit/Block Boundary, S-1
- Cutting Units, S-1 - Designation of Timber, C-2.08
- Limited Operating Period, Sale Operations Schedule, C-3.05M
Unless otherwise specified, harvest removal and associated fees or other requirements must be completed by 12/31 for the USFS program as shown for each individual management
- Use of Roads by Firebreak, S-1.2; Stand Treatment, C-3.76; Plus Within 50 feet of all National Forest system roads unless otherwise noted in C-3.3.08
- Protection Measures for Plants, Animals and Cultural Resources, S-3.24; Sale Operations Schedule C-3.05M; LOP: January 1 to August 31
- Protection Measures for Plants, Animals and Cultural Resources, S-3.24; Sale Operations Schedule C-3.05M; LOP: February 15 to September 15
- Protection Measures for Plants, Animals and Cultural Resources, S-3.24; Sale Operations Schedule C-3.05M; LOP: March 1 to August 15
- Standwise Treatment, S-3.41 and C-3.05M; As Logged on the ground
- Protected Areas, S-3.24; Sale Operations Schedule C-3.05M
- Streamside Buffer, S-3.45, C-3.05M and C-3.43; 100 feet from other sites unless otherwise specified
- Streamside Buffer, S-3.45, C-3.05M and C-3.43; 100 feet from other sites unless otherwise specified
- Streamside Buffer, S-3.45, C-3.05M and C-3.43; 200 feet from other sites unless otherwise specified
- Site Specific Protection Measures, S-3.24 and C-3.24F
- Site Specific Protection Measures, S-3.24 and C-3.24F
- Site Specific Protection Measures, C-3.24F; Access: Waste, Equipment Cleaning, S-3.36
- Site Specific Protection Measures, C-3.1; S-3.24 and C-3.24F
- Rehabilitation Development Site, Protection of Improvements, S-3.22; Campground or Administrative Site Improvement, Sale Operations Schedule, C-3.05M; LOP: June 15 - October 31; Stand Treatment, C-3.76; Plus and Plus within designated site and 50 feet outside of site boundary; Resource Landings as designated by Forest Service; Felling, Skidding and Limbing, C-3.04, T-6, C-3.24, S-3.43 (Shelter Tree System)
- Rehabilitation Development Site, Protection of Improvements, S-3.22; Campground or Administrative Site Improvement, Sale Operations Schedule, C-3.05M; LOP: May 15 - October 31; Stand Treatment, C-3.76; Plus and Plus within designated site and 50 feet outside of site boundary; Resource Landings as designated by Forest Service; Felling, Skidding and Limbing, C-3.04, T-6, C-3.24, S-3.43 (Shelter Tree System)
- Rehabilitation Development Site, Protection of Improvements, S-3.22; Campground or Administrative Site Improvement, Sale Operations Schedule, C-3.05M; LOP: May 15 - October 31; Stand Treatment, C-3.76; Plus and Plus within designated site and 50 feet outside of site boundary; Resource Landings as designated by Forest Service; Felling, Skidding and Limbing, C-3.04, T-6, C-3.24, S-3.43 (Shelter Tree System)
- Rehabilitation Development Site, Protection of Improvements, S-3.22; Campground or Administrative Site Improvement, Sale Operations Schedule, C-3.05M; LOP: May 15 - October 31; Stand Treatment, C-3.76; Plus and Plus within designated site and 50 feet outside of site boundary; Resource Landings as designated by Forest Service; Felling, Skidding and Limbing, C-3.04, T-6, C-3.24, S-3.43 (Shelter Tree System)
- Protection of Improvements, S-3.22 and C-3.04, S-3.45
- Protection of Land Survey Elements, S-3.23 and C-3.04
- Water Source, C-3.39; C-3.05M
- Felling, Skidding and Limbing, C-3.04; All Substitutions
- Felling, Skidding and Limbing, C-3.04; All Substitutions
- Ground Based Skidding, S-3.42 and C-3.04; All Substitutions
- Special-Event Protection, C-3.66
- Steep Slopes, S-3.42 and S-3.45; Campgrounds and Administrative Sites
- Stand Treatment, C-3.76; Logged in operations listed in C-3.05M
- Stand Treatment, C-3.76; All areas within 100 feet plus areas along riparian roads and all areas within Administrative Sites or other Protected Areas subject to C-3.05M
- Forest Site Storage of Forest Service Weather Stations, C-3.22F
- Other Ownership S-1.1, C-3.04

Confidential

The above geospatial information is confidential. The site location information is exempt from FOIA and cannot be released. Refer to FWS 2004-176 to review the FOIA exemption. The location information is exempt from public release. This information is for the use of the Forest Service and is not to be disseminated to the public. The Forest Service, Conservation, and Energy of 2004.

Any information that is confidential or otherwise exempt from FOIA or other provisions of law shall be marked as such. The Forest Service will not release information that is confidential or otherwise exempt from FOIA or other provisions of law and would not cause a risk of harm to the resource or the public if it were released.



Environmental Analysis Using a Categorical Exclusion 36 CFR 220.6(d)(4). Repair and maintenance of roads, trails and boundaries....

- **Specialists to do environmental analyses on the following:**
 - Federally listed threatened or endangered species.....
 - Flood plains, wetlands or municipal watersheds
 - Congressionally designated areas (eg wilderness areas)
 - Roadless areas
 - Research Natural Areas
 - American Indians.....or cultural sites
 - Archeological Sites
 - Other laws that need documented compliance

“ Design Features”

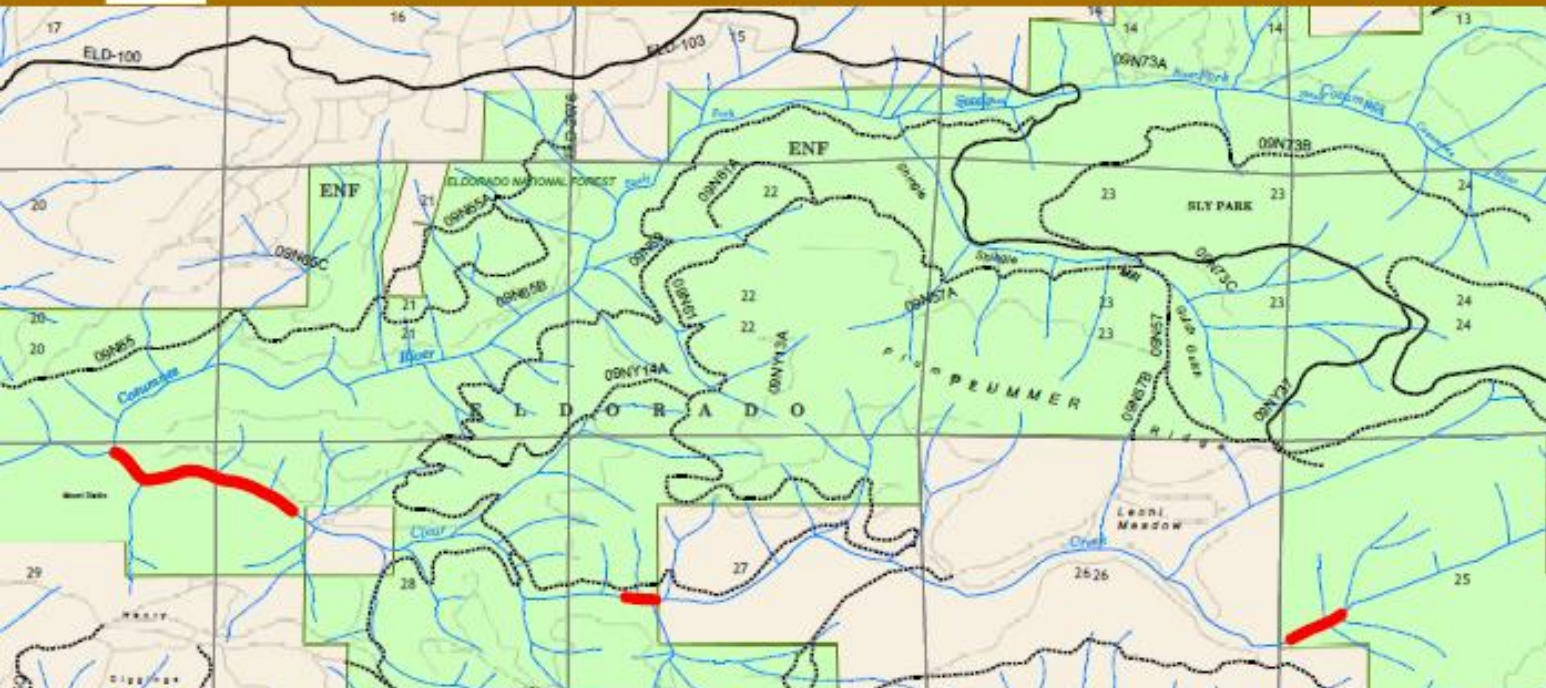
- Where there may be threatened and endangered species:
 - Option 1: fell the hazard trees but do not extract the logs (flag and avoid)
 - Option 2: fell the trees, but only when the species are not mating;

Where there may be a streambed:

Option 1: fell the hazard trees but do not extract the logs

Where there may be an archeological site:

Option 1: fell the hazard trees directionally and away from the arch site.

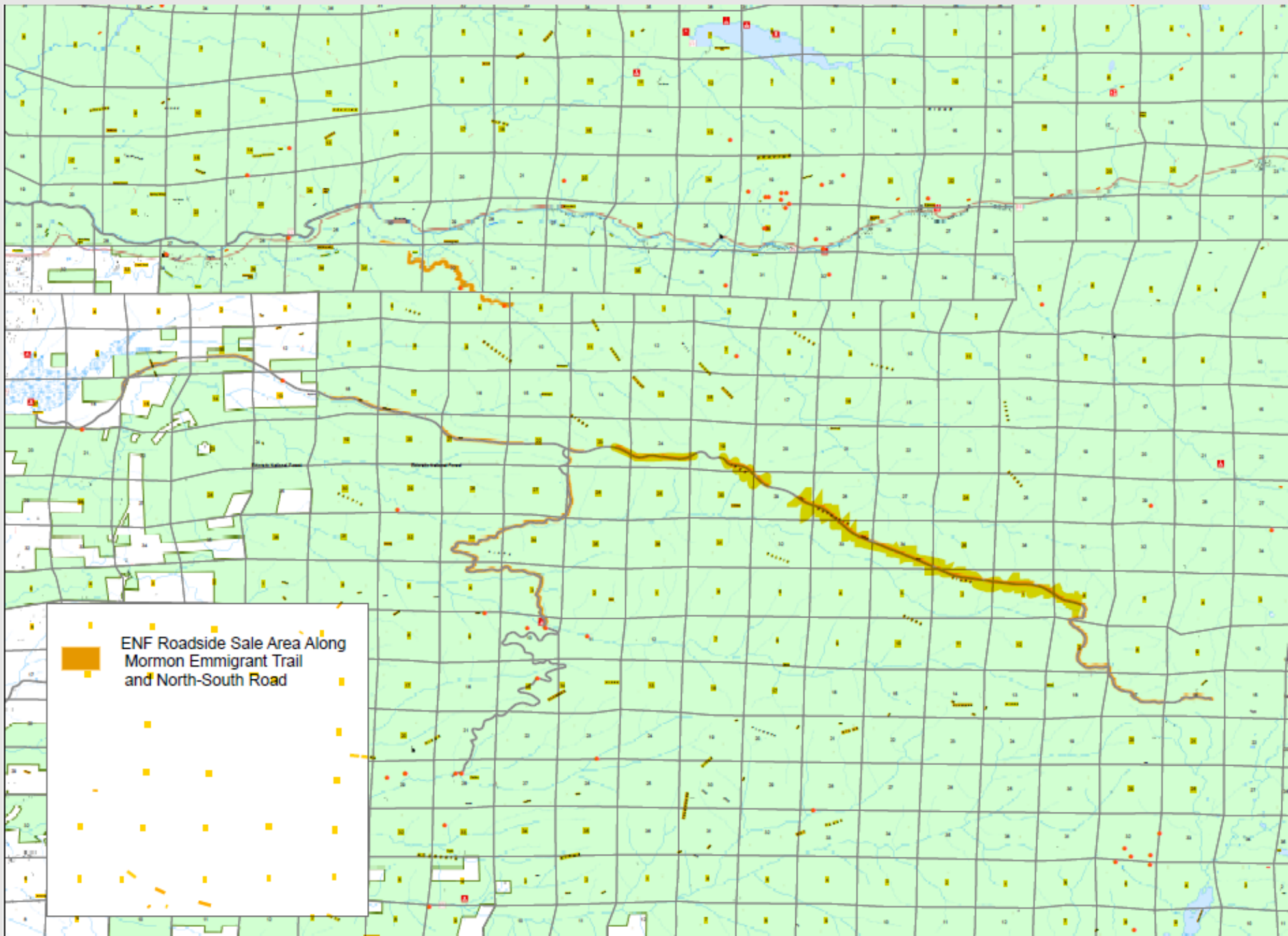



California Red-legged Frog- Map II
Data pulled from EDW, Fish and Wildlife Observations
02-13-2018

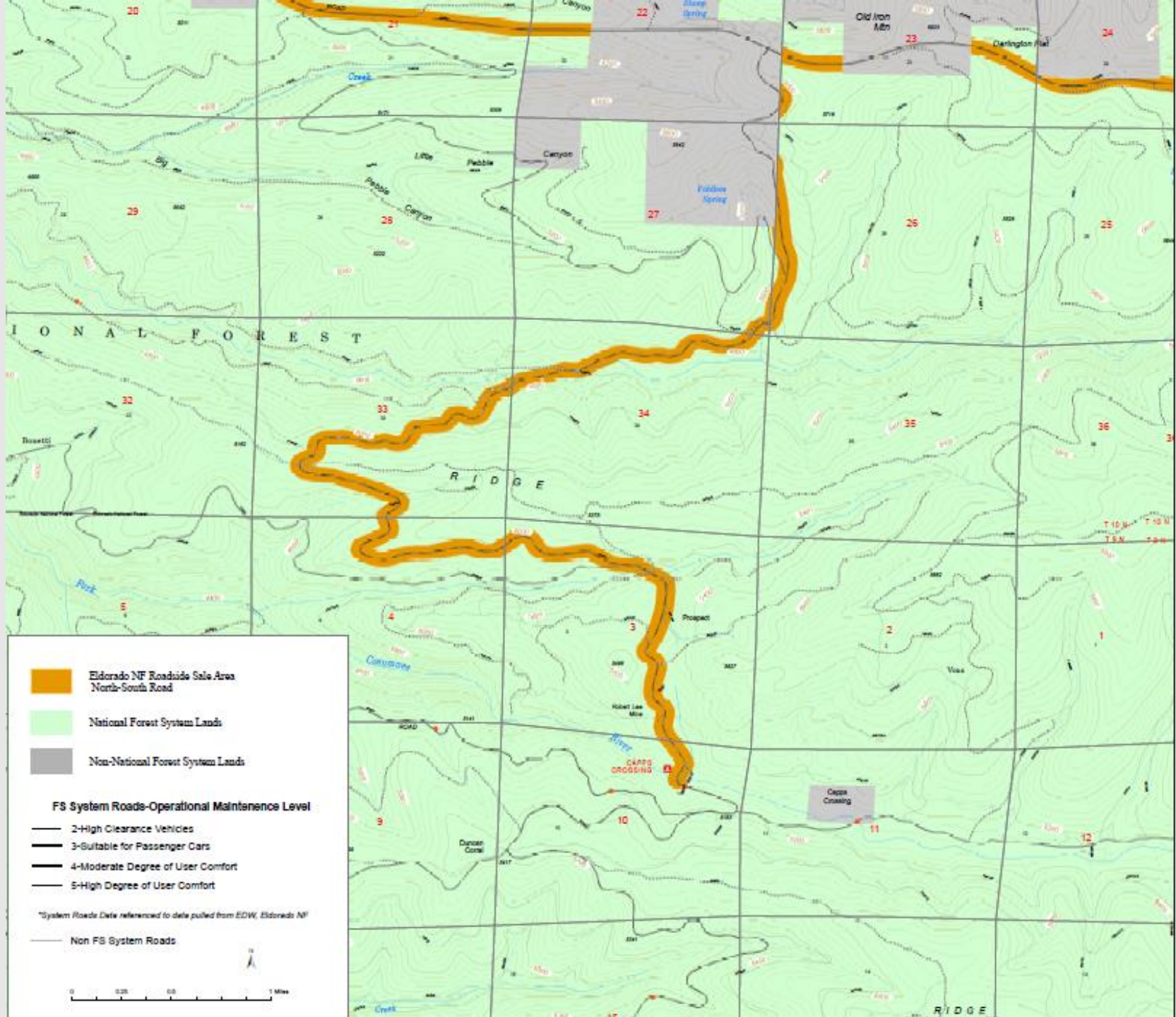
The inset map shows the state of California with a red box highlighting the study area in the Sierra Nevada region, specifically within the El Dorado National Forest area.




**RED-
LEGGED
FROG**




 ENF Roadside Sale Area Along Mormon Emigrant Trail and North-South Road





Timber Sale Area Map

 Cutting Units


Comprehensive Legend Will Go Here


 Eldorado NF Roadside Sale Area North-South Road


 National Forest System Lands


 Non-National Forest System Lands

FS System Roads-Operational Maintenance Level


 2-High Clearance Vehicles

 3-Suitable for Passenger Cars

 4-Moderate Degree of User Comfort

 5-High Degree of User Comfort

**System Roads Data referenced to data pulled from EDW, Eldorado NF*

 Non FS System Roads

0 0.25 0.5 1 Mile

Thank-you !

and, now it is time for

Questions & Suggestions, Please

Phil Cannon, pcannon@fs.fed.us, ph: 707 562 8913