

TRPA Regulations: Native Surfaced Roads

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TRPA: The Beginning

- ▣ 1969 TRPA Compact
- ▣ 1974 Land Capability Classification of the Lake Tahoe Basin – A Guide for Planning
- ▣ 1980 Revised TRPA Compact enacted
- ▣ 1982 TRPA Adopts Environmental Threshold Carrying Capacities
- ▣ 1987 TRPA Adopts Regional Plan

Got Rules?

- ▣ Environmental Threshold Carrying Capacities
- ▣ Goals and Policies
- ▣ Code of Ordinances
- ▣ 208 Water Quality Plan
- ▣ Plan Area Statements
- ▣ The Regional Transportation Plan
- ▣ BMP Handbook

Bailey Land Capability System

▣ *Impervious Coverage*

The TRPA requires that impervious coverage be in compliance with the coverage coefficients defined in the Land Capability Classification of the Lake Tahoe Basin California-Nevada, a Guide for Planning (Bailey, 1974). Coverage may be utilized directly or by coverage transfers within a related project area...

Land Coverage

Hard vs. Soft Coverage

A man-made structure, improvement, or covering, that prevents normal precipitation from directly reaching the surface of the land underlying the structure, improvement, or covering (hard coverage).....and 2) lands so used for such uses as for the parking of cars and heavy and repeated pedestrian traffic that the soil is compacted so as to prevent substantial infiltration (soft coverage)....

Coverage Tracking and Banking

- ▣ TRPA tracks coverage on a square foot basis at a project level
- ▣ Remote sensing (LiDAR) used to estimate total (approx. 7,959 acres, 3.9%)
- ▣ USFS, under a MOU, tracks their own coverage.
- ▣ California and Nevada Land Banks

Prohibition of Additional Land Coverage in LCD 1a, 1c, 2, 3, and 1b (SEZs) 30.5

- ▣ No additional land coverage or other permanent land disturbance shall be permitted in LCDs 1a, 1c, 2, 3, and Land Capability District 1b (Stream Environment Zone)...
- ▣ There are exemptions to this rule including 'health and safety' and 'vegetation management'

Sediment Discharge Prohibition 33.3.2

- ▣ Discharges to the waters of the region of solid or liquid waste materials, including soil, silt, clay, sand, or other organic or earthen materials, are prohibited...

Dust Control 33.3.3

- ▣ Dust control measures shall be required for any grading activity creating substantial quantities of dust. Dust control measures shall be approved by TRPA.

Grading Season Exceptions

33.3.1.B

- ▣ Special “permit” from TRPA to conduct any soil disturbing activities between October 15 and May 1. Required even for MOU Exempt and QE projects.
- ▣ Necessary for any project moving over 3 cubic yards.
- ▣ Only allowed for public health and safety or benefits to water quality.
- ▣ Suspended during any precipitation or if muddy conditions exist.

Minimum Standards for Tree Removal

61.1.6

The minimum standards for tree removal shall be as provided below.

A. Management Objectives

Management techniques shall be employed that are consistent with the following objectives, where applicable:

5. Protection of sensitive lands;
6. Minimization of construction of new roads;
7. Revegetation of existing temporary roads;
8. Avoidance of disturbance of stream environment zones, unless such project is to remove trees within SEZ in accordance with subparagraph 61.1.6.C;
9. Utilization of existing openings or disturbed areas as landings;

Logging Roads, Skid Trails and Landings

61.1.6.D

- All logging roads, skid trails and landings shall be constructed or otherwise created and maintained in accordance with the requirements this chapter...
- Existing roads, skid trails and landings shall be used whenever possible.
- New roads analyzed and approved when best alternative.
- BMPs shall be installed on all skid trails, landings, and roads, no later than 15 days following completion of operations... or at the time of seasonal shutdown, whichever is sooner.
- Design and Water break requirements

Logging Roads, Skid Trails and Landings

61.1.6.D (cont.)

TABLE 61.1.5-1: LOGGING ROADS AND SKID TRAILS: DESIGN AND GRADE

Road Type	Design	Maximum Grade
Permanent administrative roads	Plans and specifications	10%
Limited use roads remaining open	Plans and specifications	10% with occasional 15%
Limited use roads closed after logging	Plans and specifications	10% with occasional 15%
Temporary roads	Flag line	20%
Tractor roads and main skid trails	Flag line	30%
Secondary skid trail	None	30%

Logging Roads, Skid Trails and Landings

61.1.6.D (cont.)

TABLE 61.1.5-2: LOGGING ROADS AND SKID TRAILS: OTHER STANDARDS

Road Type	Right of Way Tree Falling	Minimum Slash Cleanup	Maximum Width	Maintenance
Permanent administrative roads	Prefall	Removal within 50 feet of road	30 feet*	As determined by TRPA
Limited use roads remaining open	Prefall	Removal within 50 feet of road	15 feet 2/turnouts*	Annual maintenance required**
Limited use roads closed after logging	Prefall	Lop and scatter	15 feet 2/turnouts*	Close to vehicle use and revegetate
Temporary roads	Prefall	Lop and scatter	15 feet*	Close to vehicle use and

TABLE 61.1.5-2: LOGGING ROADS AND SKID TRAILS: OTHER STANDARDS

Road Type	Right of Way Tree Falling	Minimum Slash Cleanup	Maximum Width	Maintenance
				revegetate
Tractor roads and main skid trails	Concurrent	Lop and scatter	15 feet	Close to vehicle use and revegetate
Secondary skid trails	Concurrent	Lop and scatter	15 feet	Close to vehicle use and revegetate

Water Breaks

Water breaks shall be spaced as provided below.

- a. a. The maximum slope distance in feet by land capability district shall be according to Table 61.1.5-3.

TABLE 61.1.5-3: MAXIMUM SLOPE DISTANCE IN FEET BY LAND CAPABILITY DISTRICT

Gradient	5-7	3-4
Less Than 10%	200	200
10 - 20%	150	90
21 - 30%	90	50

Thank You

Questions?

