

SECTION III: VALUES

A: VALUES

The primary goal of wildland fire protection in the Lassen-Modoc-Plumas Unit is to safeguard the wide range of assets found within the unit from the effects of wildfire. The assets at risk, both public and private, are to be protected. The following have been identified as assets at risk to wildfires and include both economic and non-economic assets: people, structures, timber, watershed, wildlife, unique scenic and recreation areas, range, and air quality. The table below provides a description of the evaluated assets.

| Asset at Risk | Public Issue Category | Location and Ranking Methodology |
|-----------------------|---|--|
| Hydroelectric power | Public welfare | 1) Watersheds that feed into river power plants ranked based on plant capacity; 2) Cells adjacent to reservoir based plants (Low rank); 3) Cells containing canals and flumes (High rank). |
| Fire-flood watersheds | Public safety Public welfare | Watersheds with a history of problems or potential for future problems, ranked based on downstream Population. |
| Soil erosion | Environment | Watersheds ranked based on erosion potential |
| Water storage | Public welfare | Watershed area up to 20 miles upstream from water storage facility, ranked based on water value and dead Storage capacity of facility. |
| Water supply | Public health | 1) Watershed area up to 20 miles upstream from water supply facility (High rank) 2) Grid cells containing domestic water diversions, ranked based on number of connections; 3) Cells containing ditches that contribute to water supply system (High rank) |
| Scenic | Public welfare | Four mile view-shed around Scenic Highways and ¼ view-shed around Wild and Scenic Rivers, ranked based on potential impacts to vegetation types (tree versus non-tree types) |
| Timber | Public welfare | Timberlands ranked based on value and susceptibility to damage |
| Range | Public welfare | Rangeland ranked based on potential replacement feed cost by region/owner and vegetation type. |
| Air quality | Public health / Public welfare Environment | Potential damages to heath, materials, vegetation, and visibility; ranked based on vegetation type and air basin |
| Historic buildings | Public welfare | Historic building ranked based on fire susceptibility |
| Recreation | Public welfare | Unique recreation area or areas with potential damage to facilities, ranked based on fire susceptibly |
| Structures | Public safety / Public welfare | Ranked based on housing density and fire susceptibly |

| Asset at Risk | Public Issue Category | Location and Ranking Methodology |
|----------------------|---------------------------------|---|
| Non-game wildlife | Environment Public welfare | Critical habitats and species locations based on input from California Department of Fish and Game and other stakeholders |
| Game wildlife | Public welfare Environment | Critical habitats and species locations based on input from California Department of Fish and Game and other stakeholders |
| Infrastructure | Public safety Public welfare | Infrastructure for delivery of emergency and other critical services (e.g. repeater sites, transmission lines) |
| Ecosystem Health | Environment | Ranking based on vegetation type/fuel characteristics |

The assets at risk are evaluated to the 450 acre scale within the Lassen-Modoc-Plumas Unit. This scale has been designated by the Department for purposes of manageability. These 450 acre cells have been designated as Quad 81st. This designation is based on the sectioning of a USGS 7.5 minute quadrangle map broken down into a 9x9 grid pattern; this process results in squares of 450 acres. Fire plan assessments have been made at the Q81st level. For instance, each Q81st in LMU has a ranking applied to it for Level of Service (LOS), Assets at Risk (AAR), fuel hazards, etc.

Each asset is validated by the unit personnel, stakeholders and interested parties, as to the weight and value placed on the Q81 for that asset. Once this process is completed, the LOS calculation is run and the value for that cell is applied, thus giving that cell its weighted value, and producing the aggregated relationship for that area. (For more information regarding the evaluation of asset susceptibility, refer to the California Fire Plan.)

<http://www.fire.ca.gov/FireEmergencyReponse/FirePlan/FirePlan.asp>

The ranking is scaled to the Q81st and transferred to GIS maps. Map overlays will be evaluated by unit staff for identification of the areas with the highest combined asset values and fire risk to be targeted for fire management activities. The scores for the various assets at risk are given a 1 (low) score out of a possible 9.999 (high). Infrastructure, non-game wildlife, and range scores were given a score of 2. Timber was given a 3 and structures were given a 5. Many factors are involved in target area identification, including political climate of the region and suppression cost reductions.

The process of explicitly enumerating assets at risk also helps to identify who benefits from those assets. It is a premise of the California Fire Plan, on which this plan is structured, that those who benefit from the protection of an asset should pay for that protection. The Lassen-Modoc-Plumas Unit personnel will continuously evaluate these assets during planning stages.

B: COMMUNITIES

| Place Name | County Name | Federal Threat | Federally Regulated |
|---------------------|-------------|----------------|---------------------|
| Bieber | Lassen | ✓ | ✓ |
| Clear Creek | Lassen | | |
| Doyle | Lassen | ✓ | ✓ |
| Hallelujah Junction | Lassen | ✓ | ✓ |
| Herlong | Lassen | ✓ | ✓ |
| Janesville | Lassen | ✓ | ✓ |
| Johnstonville | Lassen | | ✓ |
| Levitt | Lassen | | ✓ |
| Litchfield | Lassen | ✓ | ✓ |
| Little Valley | Lassen | ✓ | ✓ |
| Madeline | Lassen | ✓ | ✓ |
| Milford | Lassen | ✓ | ✓ |
| Nubieber | Lassen | | |
| Pine Town | Lassen | | |
| Ravendale | Lassen | ✓ | ✓ |
| Spaulding | Lassen | ✓ | ✓ |
| Standish | Lassen | ✓ | ✓ |
| Stones Landing | Lassen | ✓ | ✓ |
| Susanville | Lassen | ✓ | ✓ |
| Wendel | Lassen | ✓ | ✓ |

| Place Name | County Name | Federal Threat | Federally Regulated |
|-----------------------|-------------|----------------|---------------------|
| Adin | Modoc | ✓ | ✓ |
| Alturas | Modoc | ✓ | ✓ |
| Cal Pines Lower Units | Modoc | ✓ | ✓ |
| Cal Pines Upper Units | Modoc | ✓ | ✓ |
| Canby | Modoc | | ✓ |
| Cedarville | Modoc | ✓ | ✓ |
| Copic | Modoc | ✓ | ✓ |
| Davis Creek | Modoc | ✓ | ✓ |
| Day | Modoc | ✓ | ✓ |
| Eagleville | Modoc | ✓ | ✓ |
| Fort Bidwell | Modoc | ✓ | ✓ |
| Likely | Modoc | ✓ | ✓ |
| Lookout | Modoc | ✓ | ✓ |
| New Pine Creek | Modoc | ✓ | ✓ |
| Newell | Modoc | ✓ | ✓ |
| Willow Ranch | Modoc | ✓ | ✓ |

| Place Name | County Name | Federal Threat | Federally Regulated |
|--------------------|-------------|----------------|---------------------|
| Almanor | Plumas | ✓ | ✓ |
| Beckwourth | Plumas | ✓ | ✓ |
| Belden | Plumas | ✓ | ✓ |
| Blairsdan | Plumas | ✓ | ✓ |
| Bucks Lake | Plumas | ✓ | ✓ |
| Canyon Dam | Plumas | ✓ | ✓ |
| Caribou | Plumas | ✓ | ✓ |
| Chester | Plumas | ✓ | ✓ |
| Clio | Plumas | ✓ | ✓ |
| Crescent Mills | Plumas | ✓ | ✓ |
| Cromberg | Plumas | ✓ | ✓ |
| Delleker | Plumas | ✓ | ✓ |
| Genesee | Plumas | ✓ | ✓ |
| Graegle | Plumas | ✓ | ✓ |
| Greenville | Plumas | ✓ | ✓ |
| Hamilton Branch | Plumas | ✓ | ✓ |
| Indian Falls | Plumas | ✓ | ✓ |
| Johnsville | Plumas | ✓ | ✓ |
| Keddie | Plumas | ✓ | ✓ |
| La Porte | Plumas | ✓ | ✓ |
| Meadow Valley | Plumas | ✓ | ✓ |
| Mohawk | Plumas | ✓ | ✓ |
| Paxton | Plumas | ✓ | ✓ |
| Portola | Plumas | ✓ | ✓ |
| Prattville | Plumas | ✓ | ✓ |
| Quincy-East Quincy | Plumas | ✓ | ✓ |
| Seneca | Plumas | ✓ | ✓ |
| Taylorville | Plumas | ✓ | ✓ |
| Twain | Plumas | ✓ | ✓ |

1. Federal Threat code of x indicates some or all of the wildland fire threat to that community comes from federal (e.g., US Forest Service, BLM, Dept. of Defense) lands.
2. Hazard Level code indicates the fire threat level, where two denotes moderate threat and three denotes high threat

The “Communities at Risk” in Lassen, Modoc and Plumas Counties listed in the table above are on the National Registry available at the following site:

[Http://cafirealliance.org/communities_at_risk_a-d.php](http://cafirealliance.org/communities_at_risk_a-d.php)