A: ASSETS AT RISK

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 AT RISK

Place Name	County Name	Federal Threat	Federally Regulated
Bieber	Lassen	✓	✓
Clear Creek	Lassen		
Doyle	Lassen	✓	✓
Hallelujah Junction	Lassen	✓	✓
Hurlong	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	✓	✓
Blairsden	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	✓	✓
Taylorsville	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