

SECTION III:

VALUES AT RISK

A: ASSETS AT RISK

Assets at Risk (AAR) in the Shasta – Trinity Unit include: citizen and firefighter safety, watersheds and water, timber, wildlife and habitat (including rare and endangered species), rural communities, unique areas (scenic, cultural, and historic), recreation, range, structures, and air quality. The identified AARs enable the Unit and other fire service managers to set priorities for fire management project work.

Assets susceptible to fire damage are identified in the table below. Each AAR has a unique set of stakeholders and involves different public issues Asset at Risk	Public Issue Category	Location and ranking methodology
Hydroelectric power	Public welfare	1) Watershed area up to 20 miles upstream from run of the river power plants, ranked based on plant capacity; 2) cells adjacent to reservoir based plants (low rank); and 3) cells containing canals and flumes (high rank)
Fire-flood watersheds	Public safety Public welfare	Watershed with a history of problems or proper conditions for future problems (south coastal plain, field/stakeholder input), ranked based on affected downstream population
Soil erosion	Environment	Ranking of post-fire erosion potential based on weighted combination of fuel characteristics, soil k-factor, slope, and peak rainfall.
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 from water supply facility (high rank); 2) grid cells containing domestic water diversions, ranked based on number of connections; and 3) cells containing ditches that contribute to the water supply system (high rank)
Scenic	Public welfare	Four mile view shed around Scenic Highways and 1/4 mile 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/susceptibility to damage
Range	Public welfare	Rangelands ranked on potential replacement feed cost by region/owner/vegetation type
Air quality	Public health Environment Public welfare	Potential damages to health, materials, vegetation, and visibility; ranking based on vegetation type and air basin
Historic buildings	Public welfare	Historic buildings ranked based on fire susceptibility
Recreation	Public welfare	Unique recreation areas or areas with potential damage to facilities, ranked based on fire susceptibility
Structures	Public safety Public welfare	Ranking based on housing density and exposure (potential for structure loss in a large fire event)
Non-game wildlife	Environment Public welfare	Public and non government organization (NGO) land holdings specifically for protection of non-game wildlife habitat, ranked based on fire susceptibility.
Game wildlife	Public welfare Environment	Omitted due to lack of methodology/available data
Infrastructure	Public safety Public welfare	Infrastructure for delivery of emergency and other critical services (e.g. repeater sites, transmission lines, transport corridors)
Ecosystem health	Environment	Ranking based on condition class, potential for ecological damage from a severe fire event due to deviation from historical fire return interval

B: COMMUNITIES AT RISK

Congress, through the FY2001 Appropriation Bill called for a list of "...all urban wildland interface communities, as defined by the Secretaries, within the vicinity of Federal lands that are at high risk from wildfire, as defined by the Secretaries." In the fall of 2000, representatives from CAL FIRE, Forest Service, Bureau of Land Management and the National Park Service developed criteria to select communities at risk.

The communities in the following list and the designated areas on the "Communities at Risk Map" were selected by this validation process and submitted for inclusion in the National listing of Communities at Risk in March of 2001.

Shasta – Trinity Communities at Risk

Anderson	Fall River Mills	O'Brien
Bella Vista	Forest Glen	Oak Run
Big Bar	French Gulch	Old Station
Big Bend	Gibson	Ono
Burney	Glenburn	Palo Cedro
Burnt Ranch	Hat Creek	Pitville
Cassel	Hayfork	Platina
Castella	Hyampom	Redding
Centerville	Igo	Redding Rancheria
Central Valley	Junction City	Round Mountain
Coffee	Keswick	Shasta
Cottonwood	Lakehead	Shingletown
Covington Mill	Lamoine	Sims
Dana	Lewiston	Trinity Center
Del Loma	McArthur	Weaverville
Denny	Millville	Whitmore
Douglas City	Montgomery Creek	Wildwood
	Mountain Gate	

Boundaries for the Communities at Risk were created using 1990 census tracts. The 1990 Census did not include names for communities without a Post Office thus many named communities within the unit are contained within the boundary of an adjacent community (example: Jones Valley had to be included with Bella Vista)

Now, there is a process to include a community to the Communities at Risk list, who are not included in the previous selection. (www.cafirealliance.org)

Shasta – Trinity Unit communities not listed on the California Fire Alliance list are: Inwood, Lakeshore, Olinda, Pine Grove, Post Mountain, Shasta Lake City (listed as Central Valley), and Viola.