

## **ASSETS AT RISK (AAR)**

The Assets at Risk (AAR) in the San Mateo & Santa Cruz Unit are the public (communications infrastructure, water systems, facilities) and private assets (homes, outbuildings, vehicles) that the fire protection system has been created and funded to protect. This plan identifies the following assets at risk from wildfires, and delineates their economic and non-economic value: air quality, structures, timber, water and watersheds, wildlife and habitat, recreation, range, cultural, historic and scenic.

Using Geographical Information System (GIS) data, overlays of each asset are made onto a map. This result is a vivid depiction of the location of individual and collective assets that have been identified by Unit Pre-Fire Engineering, the Vegetation Management Bureau, the Fire Prevention and Planning Bureau, Unit Operations and Management Staff, and community stakeholders.

Relative rankings of High, Medium and Low values are made for each asset,

### Assets at Risk: Structures

The overall ranking of structures at risk, is a combination of two factors, value of housing (as measured by housing density) and susceptibility of loss (exposure). Exposure is defined as the likelihood of structures being destroyed or damaged in a large fire. Together, density and exposure provide a measure of overall loss potential.

Exposure is assumed to be High for all Quad 81<sup>st</sup> cells with vegetative fuels. If Quad 81<sup>st</sup> cells are primarily not wildland fuels (water, dense urban or agriculture), they are given an exposure of zero.

Exposure incorporates numerous site-specific factors in the populated portion of the Quad 81<sup>st</sup> cell. The factors considered and how they are weighted in determining overall exposure will vary by Unit and even within a Unit. The following is a list of factors that can contribute to exposure:

- Building materials
- Accessibility of fire suppression resources to housing locations
- Slope conditions affecting housing
- Vegetative clearance around structures
- Presence and timing of past or present fuel management projects

The AAR continues to undergo stakeholder review and is subject to change over the course of time.

# SAN MATEO & SANTA CRUZ UNIT ASSETS AT RISK



# SAN MATEO & SANTA CRUZ UNIT STRUCTURE ASSETS AT RISK

