



WFDSS - RAVAR
Rapid Assessment of Values-at-Risk



Incident Name:	Angora	Analysis Tier Level:	Tier I – Primary Assets Only
State(s):	California	FSPRO Analysis:	25 June 2007
Report Date:	26 June 2007		14-day projection
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Analysis Code:	B_070626-1 kh		

NOTE: This report accompanies a RAVAR analysis map.

All RAVAR products are intended for STRATEGIC use only. It is always advised that values analyzed and displayed on RAVAR maps be verified by local knowledge.

This report reflects an updated FSPRO run. It follows the initial report posted 25 June 2007.

Geographic and Temporal Basis for Analysis:

- ❖ FSPRO Analysis – 14 day – 25 June 2007
- ❖ Projected spread assumes NO suppression
- ❖ FSPRO analyst expressed high confidence in 80% projection. Spread in lower probabilities zones, especially to the west, may be over-stated due to under-representation of rock in vegetation model.
- ❖ NOTE: The < 1% spread probability zone is displayed on the map (pale pink zone) but assets within not summarized. This zone represents “the rare event” – confidence in this prediction is undetermined.

Tier I Analysis – Primary Assets Only

General Observations:

- ❖ The extent of the updated run covers only 75% of the FSPRO projections of 24 June, with area generally reduced in all zones, especially the lowest probability level, 1-5%. Reduced count and value of threatened structures corresponds to reduced projection area.
- ❖ *Assuming no suppression*, the 14-day fire spread projection indicates generally omni-directional fire spread. The fire is currently located 5 miles south of Lake Tahoe on the Eldorado National Forest and in densely developed private lands of Meyers, CA. Over 250 structures have already been destroyed.
- ❖ High probability projected spread, > 80%, threatens all structures proximate to Upper Truckee Road and Lake Tahoe Blvd.; structures located in the Fallen Leaf Community and east of Fallen Leaf Lake; and some residential development north of and proximate to the Echo Lakes and substantial portions of the Echo Community.
- ❖ Lower probability spread threatens all development north of Fallen Leaf Lake to Lake Tahoe and out-skirts of Tahoe Valley.
- ❖ Lower probability spread to the west could enter the Desolation Wilderness, though confidence in this spread is low as remarked above.
- ❖ South Tahoe High School South Tahoe High School, NE of the current fire perimeter, falls within the > 60% spread probability zone.



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Values assessed in this Report:

- ❖ **NOTE: Analysis of assets within the 80% Spread Probability Zone includes values-at-risk that may be within the active fire perimeter; any assets within the active perimeter are not independently analyzed.**
- ❖ Building Cluster count and estimated value per tax assessor records of El Dorado County, CA.
- ❖ Primary land jurisdictions
- ❖ Other landmark locations of record.

Information mapped but not itemized in this report:

- ❖ Lake Tahoe Airport to the east
- ❖ Communication towers, RAWs station, and other infrastructure features

Estimates of Structure Values at Risk: Estimate derived from analysis of El Dorado County GIS and tax assessor records. Count represents "building clusters". Building Clusters represent the center of parcels where county assessor records indicate taxable improvements are present. One or more structures and other improvements may exist proximate to these point locations. Valuation is sum of assessed taxable improvements and may underestimate actual asset value.

Table 1

Fire Spread Probability Zone	Acres by Zone	Cumulative Acres	Count by Zone	Cumulative Count	Value by Zone	Cumulative Value
> 80%	7027	7027	1436	1436	\$247,183,573	\$247,183,573
60 - 80 %	2584	9611	89	1525	\$20,212,480	\$267,396,053
40 - 60 %	3046	12657	103	1628	\$17,030,910	\$284,426,963
20 - 40 %	3575	16232	255	1883	\$36,815,533	\$321,242,496
5 - 20 %	6867	23099	345	2228	\$55,185,965	\$376,428,461
1- 5 %	8663	31762	371	2599	\$57,110,119	\$433,538,580

South Tahoe High School, NE of the current fire perimeter, falls within the > 60% spread probability zone and is not accounted for in Table 1.

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Jurisdictions within FSPro Spread Zones: Note: State lands designated as Washoe Meadows State Park and Lake Valley State Recreation Area are under-represented in the data available for this analysis.

Table 2

Jurisdiction	USFS		State		Private	
	In Zone	Cumulative	In Zone	Cumulative	In Zone	Cumulative
> 80%	4730	4730	0	0	2325	2325
60 - 80 %	1889	6619	0	0	686	3011
40 - 60 %	2387	9006	0	0	664	3675
20 - 40 %	3119	12125	0	0	451	4126
5 - 20 %	6352	18477	0	0	517	4643
1 - 5 %	7765	26242	174	174	717	5360

Other Landmarks of Record within FSPro Spread Zone

Table 3

OTHER LANDMARKS	FSPro Zone
Angora Lookout	> 80 %
Berkeley Municipal Camp	> 80 %
Fallen Leaf Marina	> 80 %
Koa Campground	> 80 %
Stanford Sierra Camp	> 80 %
<i>no features of record in zone</i>	60 - 80 %
Echo Portal	40 - 60 %
Firs Campground	40 - 60 %
Upper Truckee Ranger Station	20 - 40 %
Celio Ranch	5 - 20 %
Fredericks USFS Station	5 - 20 %
Tahoe Mountain Group CG	5 - 20 %
Bay View Guard Station	1 - 5 %
Bayview Campground	1 - 5 %
Bayview Picnic Area	1 - 5 %
Camp Harvey West	1 - 5 %
Camp Richardson X-C Ski Area	1 - 5 %
Camp Shelly	1 - 5 %
Eagle Falls Campground	1 - 5 %
Emerald Bay Overlook	1 - 5 %
Fallen Leaf Campground	1 - 5 %
Vikingsholm	1 - 5 %