Barry Point Fire

Date: August 11, 2012 (1100)

Analyst: Rick Stratton (LTAN) (rdstratton@fs.fed.us; (b) (6) [redacted])

Background

I was asked yesterday evening to provide the Fremont-Winema National Forest and Type 2 team analysis showing (1) the timing of the fire to multiple management action points (MAPs) and (2) the potential of fire movement the next several days. Clint Albertson (Interagency Fire Planner) and I hoped to deliver a product between 5 and 6 am; however WFDSS had a severe system failure early this morning that did not allow the simulations to complete.

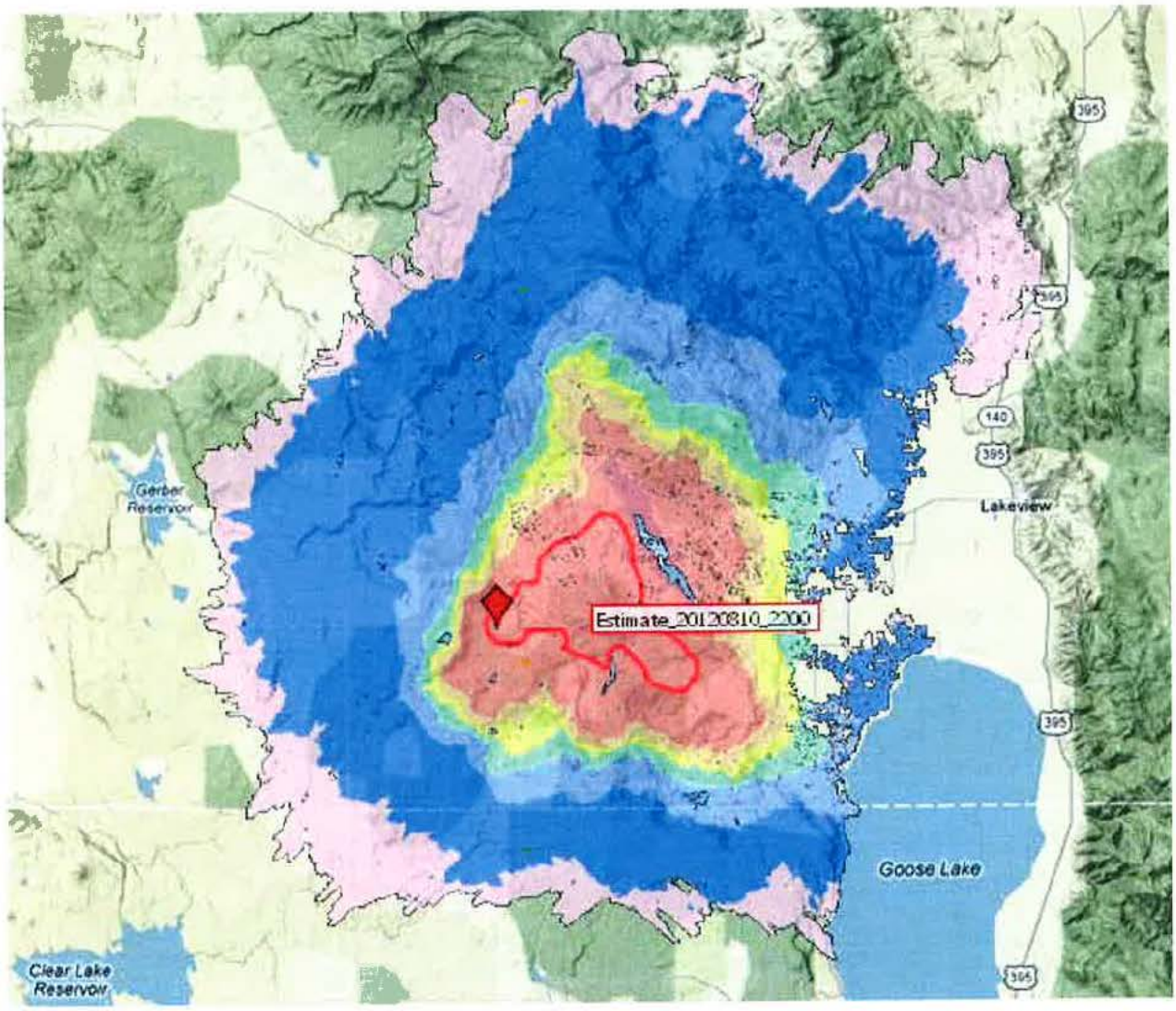
Management Action Points

The Forest has identified several MAPs using existing roads. Below are two screen captures, one to the north of the fire and the other to the south, displaying these MAPs and two points of interest (POIs) (Drews Valley and the East Valley Ridgeline).

These MAPs and areas of concern are listed in the table below. Persistence modeling was used to estimate the soonest the fire could breach these lines. This method analyzes fire growth in the flanking and heading directions the past four days and based on previous spread a prediction can be made of future fire movement. When the system becomes more stable and I have more time, results from near-term fire behavior (NTFB) (FARSITE in WFDSS) could be an added.

MAP or POI	Persistence	FSPro (%)	Location(s) Most Likely to be Impacted First
Community of Drews Valley	Aug 11-12	80-100	Borrow Pit to Whiskey Spring
Road 4020	Aug 11-12	80-100	Upper Dry Creek Canyon / Miners Cabin Spring
Road 4017	Aug 12-13	80-100	Just east of the community of Drews Valley
Road 140 (NW)	Aug 12-13	80-100	North and NW of Drews Reservoir
Road 3940	Aug 12-13	60-79	Red Rock Spring area / NW of Drews Reservoir
East Valley Ridgeline	Aug 12-13	60-79	Mill Flat (west winds) / 4017 junction-Willow Creek Hills (SW winds)
Renner Valley Road	Aug 13-14	20-39	Young Valley / Mine Spring South (McCoin Creek area) / Fitzwater Pt. South
Road 140 (NE)	Aug 14-15	80-100	Burn around the reservoir north and impact NE 140 from the north
Road 47N40	Aug 16+	5-19	?

Fire Spread Probability (FSPro) was used to quantify the probability of fire reaching these lines and displays the threat spatially. The FSPro run used the August 10th 2200 estimated perimeter and predicts fire movement the next five days. The FSPro run did not incorporate any dozer lines or future suppression actions and the entire perimeter was assumed active.


Estimate_20120810_2200
Gerber Reservoir
Lakeview
Goose Lake
Clear Lake Reservoir
395
140

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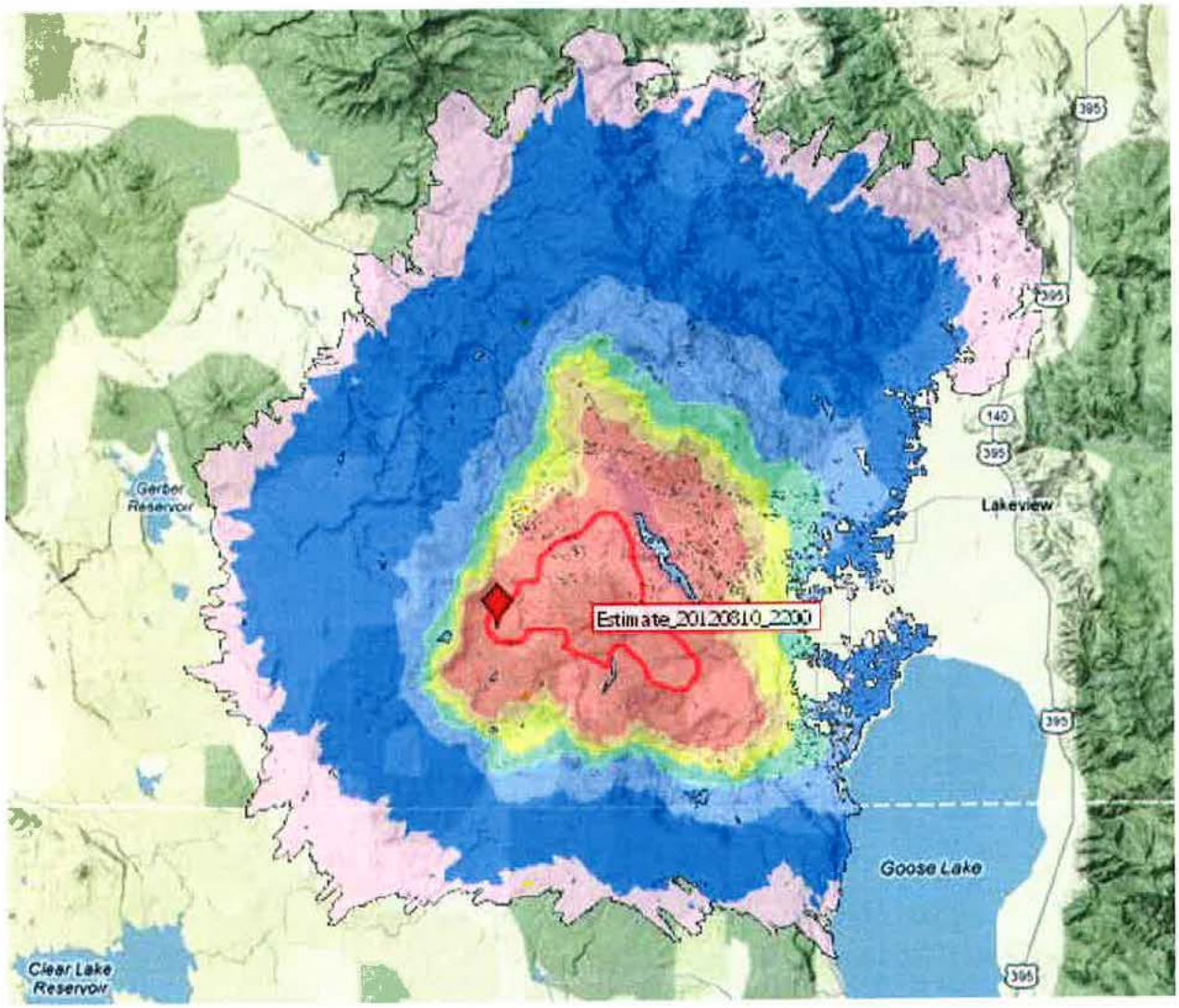
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