

Rim Incident

CA-STF-002857

Public Information Map

September 17, 2013

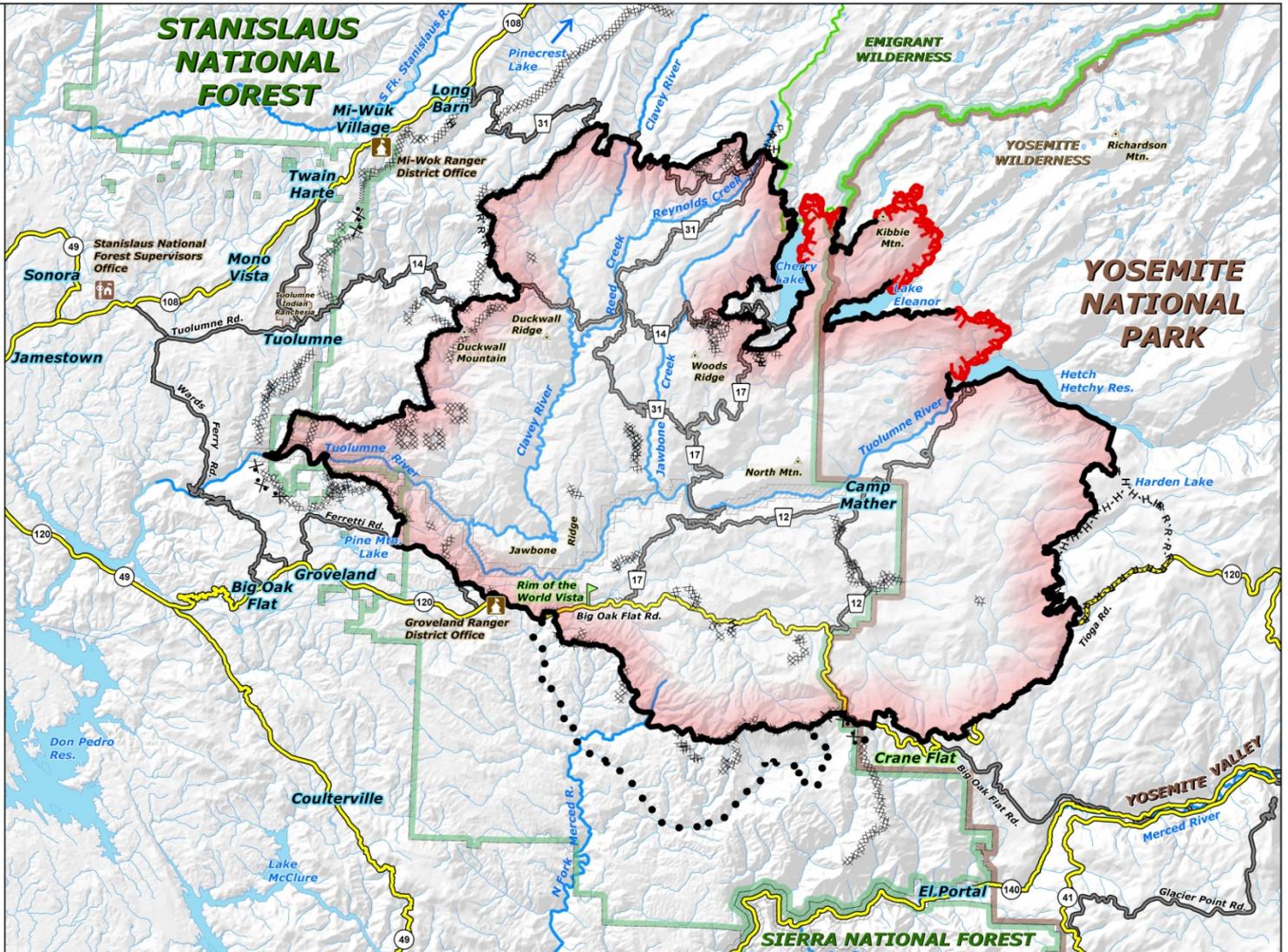
256,569 Acres

Approx. perimeter as of 9/16 @ 1400 hrs
NAD83 UTM Zone 11N

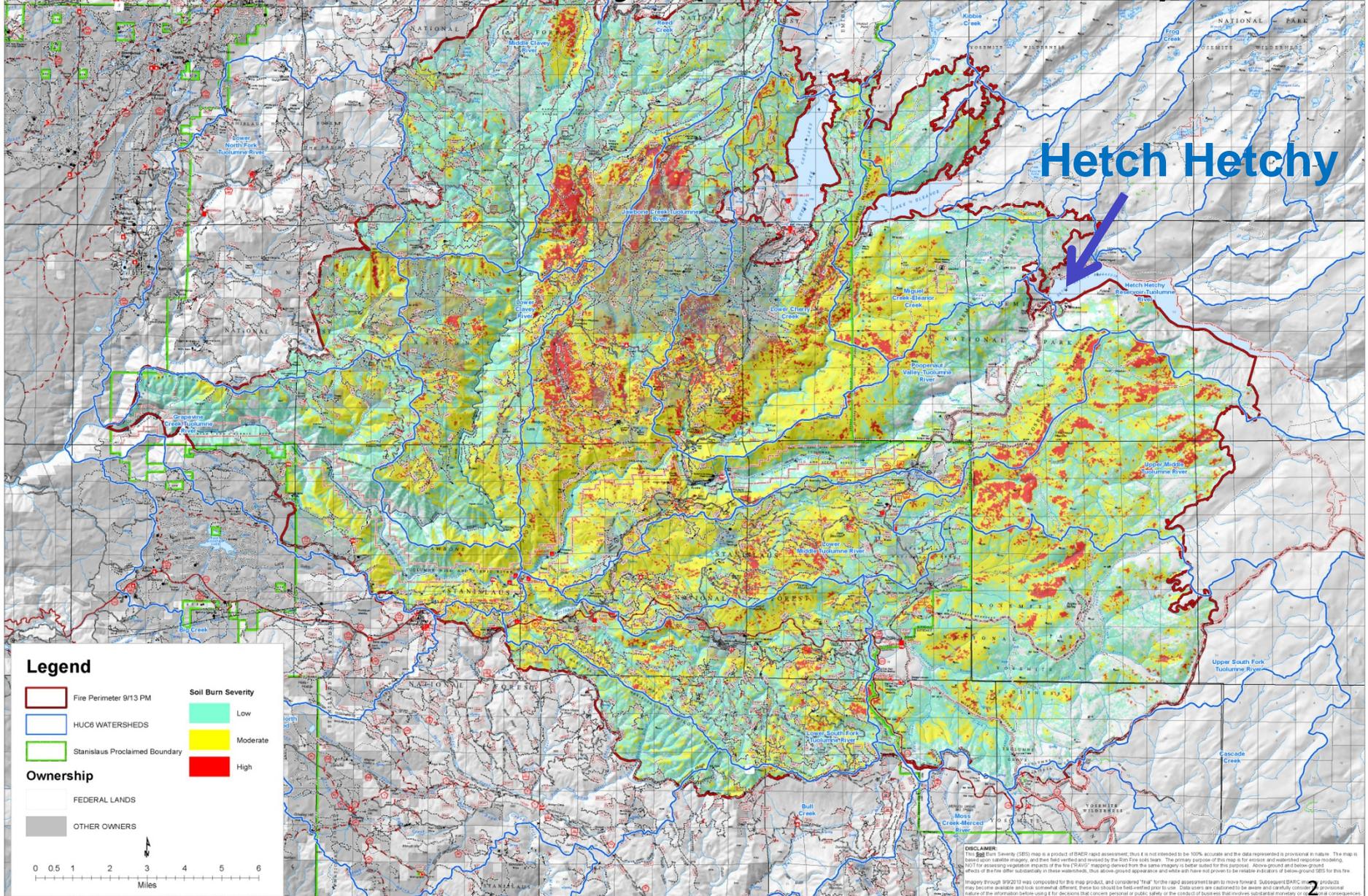
-  Rim Fire Burned Area
-  Uncontrolled Fire Edge
-  Completed Line
-  Completed Dozer Line
-  Hand Line
-  Road as Completed Line
-  Line Break Completed
-  Proposed Dozer Line
-  Planned Secondary Line
-  Highways
-  Other Major Roads
-  Emigrant Wilderness
-  Tuolumne Wild & Scenic River



0 1 2 3 4 5
Miles



Burn Severity (BAER team)



Hetch Hetchy



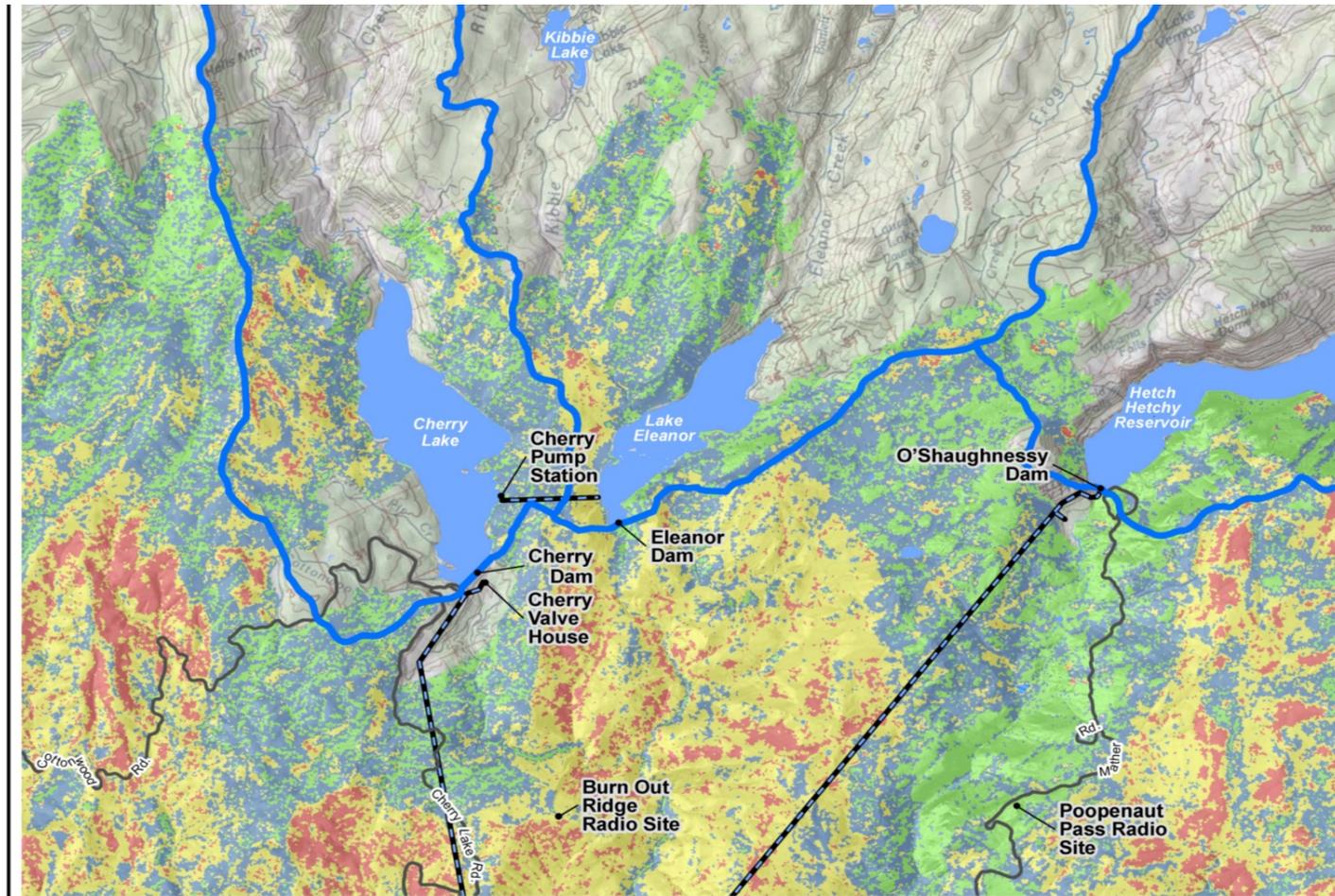
Legend

- Fire Perimeter 9/13 PM
- HUC6 WATERSHEDS
- Stanislaus Proclaimed Boundary
- Soil Burn Severity Low
- Moderate
- High
- FEDERAL LANDS
- OTHER OWNERS

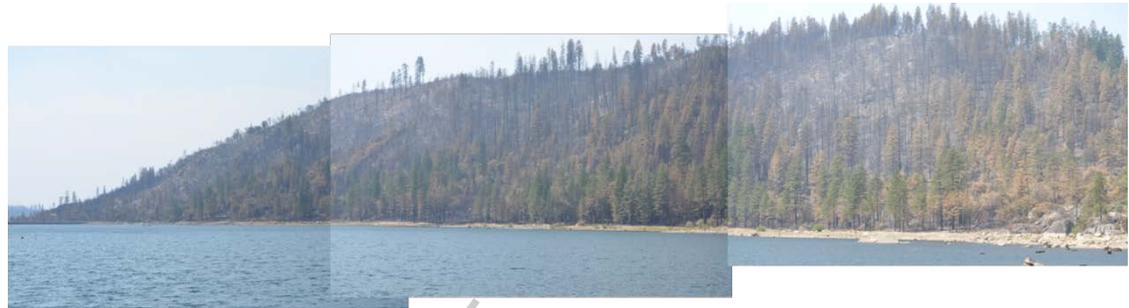


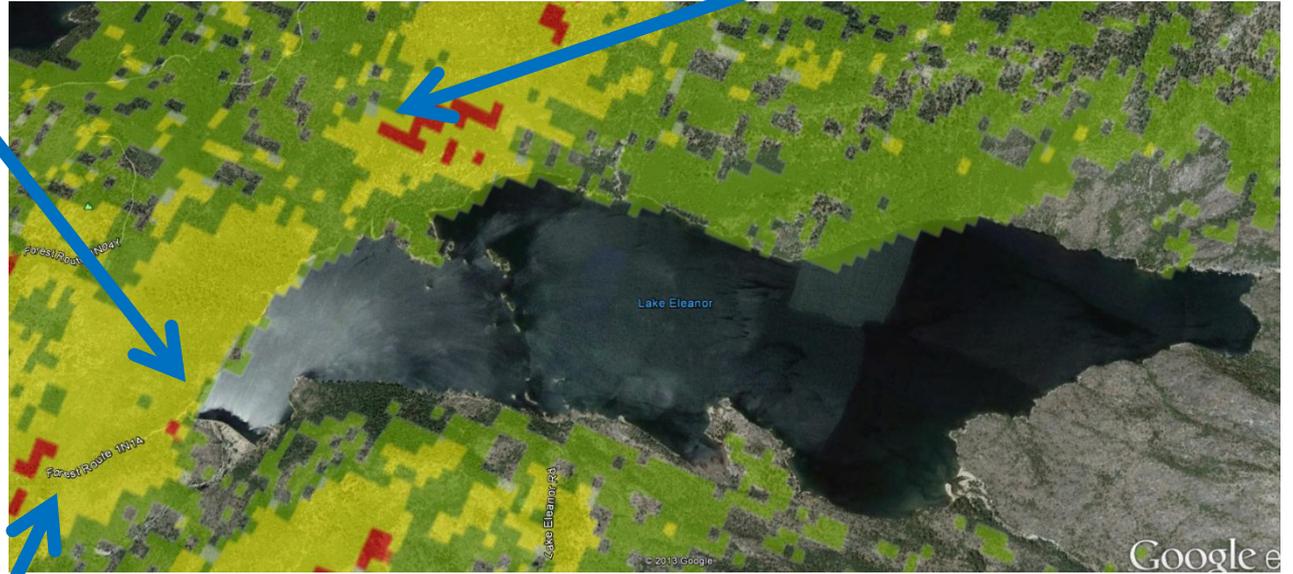
DISCLAIMER:
 The Soil Burn Severity (SBS) map is a product of BAER rapid assessment, thus it is not intended to be 100% accurate and the data represented is provisional in nature. The map is based upon satellite imagery, and then field verified and revised by the Fire Five soils team. The primary purpose of this map is for erosion and watershed response modeling, NOT for assessing regulatory impacts of the fire "footprint" mapping derived from the same imagery in order to determine above-ground and below-ground effects of the fire other than what is shown in the map. Thus, above-ground appearance and white ash have not proven to be reliable indicators of below-ground SBS for this fire. Imagery through 9/12/2013 was compiled for this map product, and considered "final" for the rapid assessment team to move forward. Subsequent BAER fire products may become available and have somewhat different, more up-to-date, field-verified data. Data users are cautioned to be aware and verify critical regulatory values of the information before using it for decisions that concern personal or public safety. The conduct of business that involves substantial monetary or other consequences further information concerning the accuracy and appropriate uses of these data may be obtained from the Forest Service Soil Scientist David Young at 530.225.2442.

Fire Within Cherry Lake and



 <p>Hetch Hetchy Regional Water System</p> <p><small>Services of the San Francisco Public Utilities Commission</small></p>	<p>LEGEND</p> <ul style="list-style-type: none"> • HH Facility — Highway — Paved Rd. — Tunnel — SFPUC Watersheds 		<p>BURN SEVERITY</p> <ul style="list-style-type: none"> Unburned / Very Low Low Moderate High 	<p>BURN S CRITICAL RIM CHERRY HETCHY TU</p>





Cherry Reservoir



Rim Fire: Field Assessments

- During and post-fire on the ground observations
- Limnology and chemistry sampling in Hetch Hetchy



Isolated Spot fires – 8/30, 9/5,



/1



More Widespread Understory Burn 9/17



Mainly Understory Burn on South Shore 9/17



Isolated canopy mortality – 9/17



Hydrophobicity and Infiltration Tests

- Tests show that infiltration rates are typical for soil texture
 - 3-8 inches per hour
 - Some decrease from measured rates at unburned areas
 - Well below precipitation rates
- Tests show soil rates extremely hydrophobic
 - Water drops sit on soil surface > 2 minutes
 - Surface of mineral soil, rather than overlaying organic layer
 - Soils are naturally hydrophobic due to soil /vegetation properties
 - Infiltration tests show hydrophobicity effects lessen under wetted soils



Location	Burn Intensity	Infiltration Rate	Hydrophobicity
Hetch Hetchy South Shore	Light	7.6 in/hr	Extreme
Hetch Hetchy North Shore (1)	High	7.7 in/hr	Extreme
Hetch Hetchy North Shore (2)	High	3.0 in/hr	Extreme
Hetch Hetchy No Burn (1)	None	19.3 in/hr	High/Extreme
Hetch Hetchy No Burn (2)	None	12.1 in/hr	High/Extreme



