Tubbs FIRE Watershed Emergency Response Team (WERT)















Sonoma Napa and Mendocino Fire Summary

Russian River Watershed – Tubbs, Pocket, Redwood and Nuns Fire - 87,751 acres burned in the 950,365 acre watershed (9%)

San Pablo Bay Watershed - Tubbs, Nuns and Atlas Fires - 83,880 acres burned in the 784,983 acre watershed (10%)

- Napa River 28.5%
- Sonoma Creek 43.3%
- Carneros 30.9%

Upper Eel River Watershed - Redwood -4,019 acres burned in the 453,810 acre watershed (1%)

Task

 A rapid assessment of post-fire geologic and hydrologic hazards to life and safety (i.e., collectively known as "Values-at-Risk" or VARs) for private lands affected by the 2017 Tubbs Fire

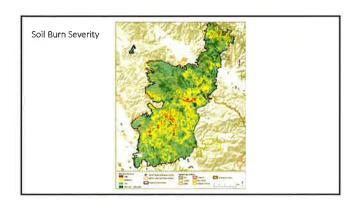
Objective

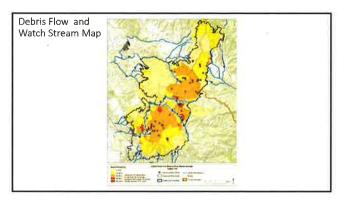
Primary objectives for the WERT are to conduct a rapid preliminary assessment to:

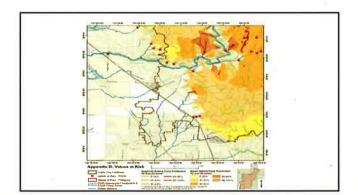
- Identify threats to public health or safety from land sliding, debris flows, flooding, erosion, road hazards, and other fire-related problems.
- Develop preliminary emergency protection measures needed to avoid lifesafety threats.

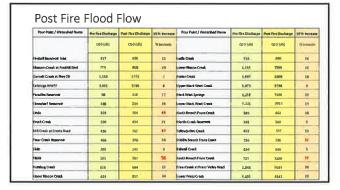
Work Products – WERT Report

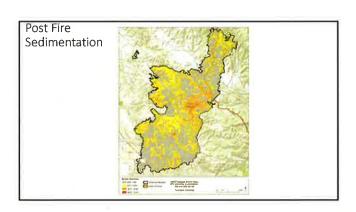
- * Hazardous Minerals
- * Soli Burn Severity Map
- Debris Flow Model Results and Map
- Potential for drainages to produce debris flows as a result of the fire
 Watch Streams
- Flood Flow Model Results
- Potential for increase in floods as a result of the fire
- * Pre and Post Fire Sedimentation Results
- Observations Values at Risk
- · General Recommendations











General Recommendations

- Install weather radar on Sonoma Mountain to overcome the current radar shadow for the region and inform an early warning system to homeowners.
 Review of temporary house locations by licensed professionals.

- Improve drainage to unimproved roads. Perform storm patrols and monitor road drainage infrastructure.

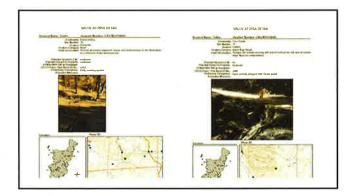
 Remove vegetation and loose woody debris around drainage structures and bridges.

 The burned debris from structures or vehicles should either be properly disposed of or mitigations put in place to prevent run-off from burned sites to enter a watercourse.
- Homes Located in or near the FEMA 100 Year Floodplain, DWR Awareness Floodplain, or USGS Watchstream downstream of the fire should be made aware of the increased risk of flooding.
- Where vegetation burned that was growing on earthen dams, landowners should contact the appropriate licensed professional to inspect the integrity of the dam.
- Consider specific recommendation for VARs provided in Appendix C
- Communicate findings

Observations – Values at Risk (VAR)

General Areas of concern

- Camp Newman
- Linda Lane



WERT Report will be available at http://www.fire.ca.gov/communications/downloads/

Questions?

- Tubbs
 CAL FIRE Jon Woessner ~ 530-224-2438- | onathan.Woessner@fire.ca.gov
 CGS Patrick Brand 707-576-2148 patrick.brand@conservation.ca.gov