


February 26, 2020

Approved


Sree Kumar

TO: Sree Kumar

FROM: Ken Zimmer 
Postfire Engineering & Drainage Needs Program

TICK FIRE BURNED AREA BRIEF

The Tick Fire started on October 24, 2019, and was contained on October 31, 2019. The fire burned 4,615 acres in the City of Santa Clarita (City) and Canyon Country area of Unincorporated Los Angeles County (County). This brief focuses on potential mudflow impacts to County Flood Control facilities and residences within and below the burned areas.

Summary of Potential Sediment Impact

The Tick Fire burn area, located in Debris Production Areas 8 and 9, was divided into 300 subarea watersheds. During a design debris event (50-year frequency storm), debris from the burned hillsides may impact about 99 properties and 28 debris retaining inlets maintained by the Flood Control District.

Detailed descriptions of potential sediment impacts are contained in Attachment A.

Attachments/Links

All the attachments can be found on the internet at <http://www.pw.lacounty.gov/wrd/fire>.

Attachment A – Description of Burn and Potential Sediment Impacts

Attachment B – History Map

Postfire Debris Flow Hazards Map:

[https://apps.gis.lacounty.gov/dpw/m/index.html?viewer=Post-Fire Debris Flow Hazards Map](https://apps.gis.lacounty.gov/dpw/m/index.html?viewer=Post-Fire%20Debris%20Flow%20Hazards%20Map)

Postfire Debris Flow Hazards Map

The postfire debris flow hazards map (Phases 1, 2, and 3) identifies the critical locations of potential debris flow impacts below the burned area for various storm magnitudes. This map is prepared when potential debris flows would pose a significant impact to homes, roadways, flood control facilities, or other public infrastructure. Stormwater Engineering Division (SWED) will post debris flow potential forecasts through the County's eNotify System and on the internet for each forecasted significant storm event throughout this storm season and the four subsequent storm seasons. The map and forecast system have been provided to the City's and County's first responders.

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February 26, 2020
Page 2

Coordination

Stormwater Engineering Division's staff conducted a field reconnaissance of the burned area to verify the fire boundary. SWED, in coordination with Stormwater Maintenance Division and the City, reviewed and surveyed potential impacts to County facilities and residences below burned canyons and hillsides on November 14, 2019. SWED investigated 245 properties and provided engineering advice to a total of 67 residents, which 18 were written and 49 were verbal.

If you have any questions regarding this report, please contact Michael Miranda at Extension 6164.

JC:sg

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IN Attach.

cc: Disaster Services (Ezell)
Stormwater Maintenance (Bunker)
Stormwater Engineering (Zimmer)