


Approved 
Adam Ariki

December 1, 2020

TO: Adam Ariki

FROM: Ken Zimmer *Kenneth A Zimmer*
Postfire Engineering and Drainage Needs Program

SOLEDAD FIRE BURNED AREA BRIEF

The Soledad Fire started on July 5, 2020, and was contained on July 10, 2020. The fire burned 1,525 acres in the Agua Dulce area of unincorporated Los Angeles County (County). This brief focuses on potential mudflow impacts to residences within and below the burned areas. There are also 20 drainage culverts along Aqua Dulce Canyon Road that could be impacted by storm produced debris flows maintained by Road Maintenance Division.

Summary of Potential Sediment Impact

The Soledad Fire burn area, located in Debris Production Areas 8 and 9, was divided into 31 subarea watersheds. During a design debris event (50-year frequency storm), debris from the burned hillsides may impact about four properties and possibly cause flooding on Aqua Dulce Canyon Road from the Antelope Valley Freeway, south toward Soledad Canyon Road.

Detailed descriptions of potential sediment impacts are 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

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 County's first responders.

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Coordination

Stormwater Engineering Division's staff conducted a field reconnaissance of the burned area to verify the fire boundary. SWED reviewed and surveyed potential impacts to County facilities and residences below burned canyons and hillsides on August 6, 2020. SWED investigated four properties and provided verbal engineering advice to one resident.

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

JC:sg

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AB
Attach.

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