

Approved



Adam Ariki

December 3, 2020

TO: Adam Ariki

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

RANCH2 FIRE BURNED AREA BRIEF

The Ranch2 Fire started on August 13, 2020, and was contained on August 25, 2020. The fire burned 4,237 acres within the Angeles National Forest area located on the hillsides north of the City of Azusa and east of San Gabriel Canyon Road. This brief focuses on potential mudflow impacts to County Flood Control facilities and residents within and below the burn areas. There are no Public Works maintained facilities that might be impacted by storm produced debris flows from the burned watershed.

Summary of Potential Sediment Impact

The Ranch2 Fire location is in Debris Production Area 1. During a design debris event (50-year frequency storm), debris flow from the burned hillsides may cause flooding and sediment deposition on privately maintained flood control facilities (debris basins and storm channels) and private properties within the northern area of the Mountain Cove Community.

Detailed descriptions of potential sediment impacts are discussed 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 Impact

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

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System and on the internet for each forecasted significant storm event throughout this storm season and the four subsequent storm seasons.

Coordination

Burned Area emergency Response

The United States Forest Service Burned Area Emergency Response assessment team coordinated with United States Geological Survey to make recommendations and develop maps and plans to mitigate the damage caused by the Bobcat Fire.

Natural Resources Conservation Service

On September 3, 2020, SWED from Los Angeles County Department of Public Works met with staff from Natural Resources Conservation Service (NRCS), City of Azusa, and Home Owners Association at the Mountain Cove Community, to identify the potential flooding/debris flow impacts to residences from the burned hillsides and potential eligibility to receive NRCS assistance. NRCS completed a Damage Survey Report (DSR) for the placement of k-rail along a private access road and other mitigation measures. The City of Azusa entered into an agreement for funding these emergency measures with NRCS and will sponsor the construction.

Local Property Owners/Managers

Stormwater Engineering Division's staff conducted a field reconnaissance of the burned area at the Mountain Cove Community. SWED reviewed and surveyed potential impacts to residences below the burned canyons and hillsides. At the request of the City of Azusa and the Home Owners Association of the Mountain Cove Community, SWED investigated 26 properties and provided written or verbal engineering advice to all 26 residents.

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

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Attach.

cc: Disaster Services (Ezell)
Stormwater Engineering (Miranda, Zimmer)
City of Azusa (Gonzalez, Degadillo)