

Approved



Adam Ariki

December 1, 2020

TO: Adam Ariki

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

## **EQUESTRIAN FIRE BURNED AREA BRIEF**

The Equestrian Fire started on June 8, 2020 and was contained on the same day. The fire burned 88 acres within the Los Angeles County Unincorporated area located on the hillsides east of the 5 Freeway, south of Tapia Canyon Road in the Castaic area. This brief focuses on potential mudflow impacts to County Flood Control and Sheriff facilities 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 Equestrian Fire location was in Debris Production Area 8. During a design debris event (50-year frequency storm), debris flow from the burned hillsides may impact portions of the Los Angeles County's Pitchess Detention Center (Sheriff) and may cause flooding and sediment deposition at various auxiliary buildings.

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 County buildings, 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 Los Angeles County Sheriff's Department.

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### Coordination

Stormwater Engineering Division's staff conducted a field reconnaissance of the burned area to verify the fire boundary. SWED, in coordination with the Los Angeles County Sheriff's Department, reviewed and surveyed potential impacts to its County facilities and auxiliary buildings below burned canyons and hillsides. SWED's investigation found one storage shed to be at risk within the Pitchess Detention Center.

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

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*KAZ*  
*IN*  
Attach.

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