

Approved



Adam Ariki

November 30, 2022

TO: Adam Ariki

FROM: Ken Zimmer *KAZ*
Postfire Engineering and Drainage Needs Programs

LAND FIRE BURNED AREA BRIEF

The Land Fire started on September 21, 2022, and was contained on the same day. The fire burned 107 acres within the City of Los Angeles (City) located at the remote canyon of McDonald Creek, located above Del Arroyo Drive off La Tuna 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 Land Fire location was in Debris Production Area Zone 2. During a design debris event (50-year frequency storm), mudflow and debris flows from the burned canyon may cause flooding and sediment deposition throughout McDonald Creek and onto private properties along Del Arroyo Drive. Additional access impacts to residential and private properties along La Tuna Canyon Road may be compromised. Residential and local business access to approximately 53 properties is possible. Due to the potential debris flow risk, Public Works has notified the City via e-mail.

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)

Attachment C – Burned Area Map (pdf)

Attachment D – Debris Flow Hazard Map (pdf)

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,

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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.

Coordination

Stormwater Engineering Division's staff conducted a field reconnaissance of the burned area to verify the fire boundary and perform calculations. SWED has shared its findings with the City. The City will review and survey the potential impacts to its residents and make provisions to assist their constituents below burned canyon and hillsides.

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)