


Approved


Adam Ariki

October 4, 2023

TO: Adam Ariki

FROM: Ken Zimmer 
Postfire Engineering and Drainage Needs Programs

AGUA FIRE BURNED AREA BRIEF

The Agua Fire started July 25, 2023, and was contained July 28, 2023. The fire burned 421 acres, mostly within the Angeles National Forest, and a smaller portion within Los Angeles County Unincorporated Area west of Acton. The fire location is the hillside south of the 14 Freeway near Agua Dulce and Soledad Canyon Roads. This brief focuses on potential mudflow impacts to County Flood Control facilities and residents/tenants within and below the burn areas.

Summary of Potential Sediment Impact

The Agua Fire location was in Debris Production Area Zone 5. During a design debris event (50-year frequency storm), mudflow and debris flows from the burned canyon may cause flooding and sediment deposition on Soledad Canyon Road and at Cal Lake RV Resort within the Soledad Canyon streambed.

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 could 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.

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Coordination

Stormwater Engineering Division's staff conducted a field reconnaissance of the burned area to verify the fire boundary and surveyed potential impacts County facilities and RV parks and its tenants below the burned canyons and hillsides. Stormwater Engineering Division has shared its findings with the Cal Lake RV Resort management and surveyed the potential impacts to its residential structures and make provisions to assist their occupants below burned canyon and hillsides.

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

scc SC:kr

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Attach.

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