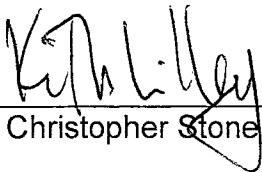



August 2, 2011

Approved 
for Christopher Stone

TO: Christopher Stone
FROM: Patricia Wood 
Facilities Section
Water Resources Division

**HUGHES FIRE
BURNED AREA REPORT**

The Hughes Fire occurred on June 23, 2011, and burned approximately 47 acres west of the community of Acton, in the unincorporated area of Los Angeles County. The burned area boundary is delineated on Attachment A. The entire burned area is within the Los Angeles County Flood Control District.

Recommendation

No further action by Public Works is necessary

Attachments

- A. Burned Area Map
- B. Engineering Advice

Summary of Potential Sediment Impacts

On June 29, 2011, Water Resources Division staff conducted a field reconnaissance of the burned area to identify residences and/or County facilities that could be potentially impacted by flooding/debris flows during storms. The burned area is divided into a total of 4 subarea watersheds across one Debris Producing Area (Zone 8)

Subarea 1

Subarea 1 consists of a total area of 33 acres and is located on privately owned property. The subarea was 25 percent burned creating an adjusted debris production potential of 1,130 cubic yards (cy). As a result, during a major storm, mud and debris from the burned hillsides could potentially flow directly onto Hubbard Road and block access to several residential properties.

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Subarea 2

Subarea 2 consists of a total area of 10 acres and is located on privately owned property. The subarea was 78 percent burned creating an adjusted debris production potential of 470 cy. The subarea contains two small canyons that converge at a residential property located on the hillside. During major storms, mud and debris could potentially impact the residential structure on the property. Engineering advice was provided to the property owner (see Attachment B).

Subarea 3

Subarea 3 consists of a total area of 17 acres and is located on privately owned property. The subarea was 65 percent burned creating an adjusted debris production potential of 750 cy. During moderate to severe storms, loose sediments from the burned slopes will flow into the streambed at the base of the hillside and is expected to settle along the streambed downstream of the burned area.

Subarea 4

Subarea 4 consists of a total area of 44 acres and is located on privately owned property. The subarea was 46 percent burned creating an adjusted debris production potential of 1,750 cy. During major storms, mud and debris flows from the burned canyon could potentially impact a mobile home positioned on a flat area at the base of the burned hillside. Engineering advice was offered but the property owner declined in favor of a more informal discussion of potential mudflow paths and mitigation measures.

No Public Works facilities in the vicinity will be impacted by storm produced mud/debris flows.

The approved Burned Area Report will be posted on the Internet at <http://www.dpw.lacounty.gov/WRD/FIRE/>

If you have any questions regarding this report, please contact Hans Riedel at Extension 6300 or Michael Miranda at Extension 6164.

HR vt 

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Attach

cc. Water Resources (Miranda)