

September 29, 2011

Approved 
Christopher Stone

TO Christopher Stone
FROM Patricia Wood *P.W.*
Facilities Section
Water Resources Division

**KURT FIRE
BURNED AREA REPORT**

Recommendations

- 1 No further action by Public Works is necessary
- 2 Authorize us to send a copy of this report to the City of Los Angeles (Bureau of Engineering) apprising them of the potential impacts to their facilities.

Background

Fire Name. Kurt Fire
Date of Fire. August 5, 2011
Burned Area. 2 Acres
Location. The fire occurred on the hillside above Kurt Street in the community of Lakeview Terrace (City of Los Angeles) and the Angeles National Forest. Refer to Attachment A (Thomas Guide Page 4463-E3)

Fire History

Our records indicate that the area of the Kurt Fire was not previously burned

Summary of Potential Sediment Impact

On August 16, 2011, Water Resources Division (WRD) staff conducted a field reconnaissance of the burned area to determine if residential properties and/or Public Works maintained facilities could potentially be impacted by the flooding/debris flows during storms. WRD staff contacted the City of Los Angeles regarding engineering advice meant to protect residents along Kurt Street. The City of Los Angeles cleared WRD staff to contact impacted residents and requested a copy of the engineering advice provided to its residents, as well as a copy of this report.

The burned area is divided into three subarea watersheds across one Debris Production Area Zone 1. Vegetation of the watersheds prior to the burn consisted of grasses and coastal sage scrub.

The subareas drain runoff from the burned hillside into concrete swale drains at the rear of homes along Kurt Street. The concrete swale drains convey runoff to the street through culverts passing between the homes and are subject to plugging. If the culverts plug, mud and debris may potentially impact the homes.

Subarea 1

Subarea 1 consists of a total of 6 acres and was 15 percent burned creating an adjusted debris potential of 1,350 cubic yards (cy). During moderate to severe storm events, mud and debris material from the burned hillside is expected to settle along the flat area at the base of the burned hillside, and in the drainage swales. Some of the mudflow may potentially spill over into the drainage culverts. If the culverts plug, mud and debris may spread and settle at the rear of the residential properties.

Subarea 2

Subarea 2 consists of a total of 1 acre and was 55 percent burned creating an adjusted debris potential of 320 cy. During moderate to severe storm events, mud and debris material from the burned hillside is expected to settle along the concrete swale drains. Some of the mudflow may potentially spill over into the drainage culverts. If the culverts plug, mud and debris may spread and settle at the rear of the residential properties.

Subarea 3

Subarea 3 consists of a total of 3 acres and was 15 percent burned creating an adjusted debris potential of 600 cy. During moderate to severe storm events, much of the mud and debris material from the burned hillside is expected to settle along the concrete swale drains. Some of the mudflow may potentially spill over into the drainage culverts. If the culverts plug, mud and debris may spread and settle at the rear of the residential properties.

On August 30, 2011, WRD staff met with several residents and discussed verbally the measures, which may be employed to protect their homes from mud impacts. Residents were advised to work together and maintain clear swale drains. Information packets including the *Homeowner's Guide for Flood, Debris, and Erosion Control* booklet were left for residents not contacted.

No Public Works maintained facilities were impacted by this fire.

If you have any questions regarding this report, please contact Youssef Chebabi at Extension 6154.

HR:vt ABC

P:\wrd\FACILITIES\FIRES\2011 Fires\Kurt Fire\Kurt Fire BAR.docx

Attach