

October 24, 2011

Approved   
Christopher Stone

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

**RED ROVER FIRE\*  
BURNED AREA REPORT**

Recommendations

- 1 Authorize us to provide confirmation to Road Maintenance Division's North County Regional Engineer of the potential sediment impacts to properties below the burned area.
2. No further action by Public Works is necessary.

Background

Fire Name: Red Rover Fire\*  
Date of Fire: August 26, 2011  
Burned Area: 12 Acres  
Location: The fire occurred on the hillside west of Red Rover Mine Road and north of Sierra Highway in the unincorporated area of the County of Los Angeles. Refer to Attachment A (Thomas Guide Page 4374-H4).

Fire History

A search of historical records indicates that the area in and around the Red Rover Fire has not burned since fire records have been kept.

Summary of Potential Sediment Impact

On September 20, 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 be potentially impacted by the flooding/debris flows during storms. The burned area is divided into nine subareas across two Debris Production Area (DPA) Zones 8 and 9. Vegetation type in the burned area prior to the fire was Desert Chaparral.

\* indicates the fire was named by Public Works

### Subarea 1

Subarea 1 consists of a total area of 2 acres across 2 DPA Zones 8 and 9. The subarea was 15 percent burned creating a total adjusted debris potential of 42 cubic yards (cy). During moderate to severe storm events, mud and debris material from the burned area may potentially flow into a natural streambed where the sediment is expected to settle along the watercourse. No residential structures appear to be impacted by mudflows, however driveway access impacts to one resident is possible. WRD staff left a postfire mudflow information packet at the resident. No request for engineering advice has been received.

### Subarea 2

Subarea 2 consists of a total area of 1 acre across 2 DPA Zones 8 and 9. The subarea was 38 percent burned creating a total adjusted debris potential of 22 cy. During moderate to severe storm events, mud and debris material from the burned slopes may impact the residential structure below the burned subarea. WRD staff left a postfire mudflow information packet at the residence. No request for engineering advice has been received.

### Subarea 3

Subarea 3 consists of a total area of 1.2 acres across 2 DPA Zones 8 and 9. The subarea was 78 percent burned creating a total adjusted debris potential of 40 cy. During moderate to severe storm events, mud and debris material from the burned slopes may potentially impact the residential structure at the base of the subarea and cause flooding and sediment deposition along the access. WRD staff left a postfire mudflow information packet at the residence. No request for engineering advice has been received.

### Subarea 4

Subarea 4 consists of a total area of 0.3 acres across 2 DPA Zones 8 and 9. The subarea was 47 percent burned creating a total adjusted debris potential of 6 cy. During moderate to severe storm events, mud and debris material is anticipated to spread onto a wide flat area at the base of the subarea, and no impact to structures is anticipated.

#### Subarea 5

Subarea 5 consists of a total area of 4 acres across 2 DPA Zones 8 and 9. The subarea was 99 percent burned creating an adjusted debris potential of 220 cy. During moderate to severe storm events, mud and debris material from the burned hillside may potentially impact the residential structure at the base of the subarea and may cause flooding and sediment deposition along the access driveway. WRD staff left a postfire mudflow information packet at the residence. No request for engineering advice has been received.

#### Subarea 6

Subarea 6 consists of a total area of 0.4 acre across 2 DPA Zones 8 and 9. The subarea was 75 percent burned creating an adjusted debris potential of 20 cy. During moderate to severe storm events, mud and debris material from the burned hillside may potentially impact the residential structure at the base of the subarea and may cause flooding and sediment deposition along the access driveway. WRD staff left a postfire mudflow information packet at the residence. No request for engineering advice has been received.

#### Subarea 7

Subarea 7 consists of a total area of 1 acre in the DPA Zone 8 and is 90 percent burned creating an adjusted debris potential of 50 cy. During moderate to severe storm events, mud and debris material is anticipated to spread onto a wide flat open area at the base of the subarea, and no impact to structures is anticipated.

#### Subarea 8

Subarea 8 consists of a total area of 5.1 acres in the DPA Zone 8 and is 82 percent burned creating an adjusted debris potential of 250 cy. During moderate to severe storm events, mud and debris material is anticipated to spread onto a wide flat open area at the base of the subarea, and no impact to structures is anticipated.

#### Subarea 9

Subarea 9 consists of a total area of 0.9 acres in the DPA Zone 8 and is 97 percent burned creating an adjusted debris potential of 50 cy. During moderate to severe storm events, mud and debris material from the burned slope may cause flooding and sediment deposition along the access driveway. WRD staff left a postfire mudflow

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sediment deposition along the access driveway WRD staff left a postfire mudflow information packet at the resident. No request for engineering advice has been received

No Public Works maintained facilities are potentially impacted by this fire.

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

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Attach.

cc: Road Maintenance (Caddick)