

September 30, 2010

Approved   
Christopher Stone

TO: Christopher Stone

FROM: Patricia Wood  
Facilities Section  
Water Resources Division

**MUREAU FIRE  
BURNED AREA REPORT**

Recommendations

1. Authorize us to send a copy of the burned report to Caltrans as confirmation of the potential impacts to its facility.
2. No further action by Public Works is necessary.

Background

Fire Name: Mureau Fire  
Date of Fire: August 1, 2010  
Burned Area: 18 Acres  
Location: North side of Ventura Freeway approximately 0.5 mile west of Parkway Calabasas in the unincorporated County area of Los Angeles. Refer to Thomas Guide Page 559-C5. The burned area boundary is plotted on Attachment A.

Summary of Potential Sediment Impact

On August 5, 2010, Water Resources Division staff conducted a field reconnaissance of the burned area to locate residences and/or County facilities that could potentially be impacted by flooding/debris flows during storms. The burned area (Attachment A) is divided into a total of 12 subarea watersheds across one Debris Producing Area (DPA Zone 4). During moderate to severe storm events, debris material from the burned area may flow directly into the low lying regions of the freeway fill slopes where culverts and terrace drains maintained by Caltrans exist. If the inlets become plugged, the mudflow debris produced by the fire is anticipated to remain in the low lying regions and not produce any adverse effects. There are no County facilities or residents that could be impacted by storm produced debris flows.

Details of potential sediment impacts are provided as following:

Subareas 1, 2, 3, 4, 5, 6, and 7

These subareas are within privately owned properties located on the unincorporated County area of Los Angeles.

**Subarea 1** consists of a watershed located west of Mureau Road and north of Ventura Freeway westbound with a total area of 1 acre (ac). The subarea 1 was 90 percent burned creating an adjusted debris production potential of 110 cubic yards (cy).

**Subarea 2** consists of a watershed located west of Mureau Road and north of Ventura Freeway westbound with a total area of 2.2 ac. The subarea 2 was 12 percent burned creating an adjusted debris production potential of 140 cy.

**Subarea 3** consists of a watershed located west of Mureau Road and north of Ventura Freeway westbound with a total area of 5.6 ac. The subarea 3 was 16 percent burned creating an adjusted debris production potential of 370 cy.

**Subarea 4** consists of a watershed located west of Mureau Road and north of Ventura Freeway westbound with a total area of 4.8 ac. The subarea 4 was 79 percent burned creating an adjusted debris production potential of 480 cy.

**Subarea 5** consists of a watersheds located east of Mureau Road and north of the Ventura Freeway westbound with total areas of 3.4 ac. The subarea 5 was 100 percent burned creating an adjusted debris production potential of 380 cy.

**Subarea 6** consists of a watersheds located east of Mureau Road and north of the Ventura Freeway westbound with total areas of 4.8 ac. The subarea 6 was 99 percent burned creating an adjusted debris production potential of 540 cy.

**Subarea 7** consists of a watersheds located east of Mureau Road and north of the Ventura Freeway westbound with total areas of 1.3 ac. The subarea 7 was 99 percent burned creating an adjusted debris production potential of 150 cy.

As a result, during moderate to severe storm events, these approximate mud and debris productions from the burned hillsides could potentially flow directly along terrace drains of the lower region where culverts maintained by Caltrans exist.

**Subarea 8** was within a privately owned property located in the unincorporated County area of Los Angeles. Subarea 8 consists of a watershed located east of Mureau Road and north of the Ventura Freeway westbound with a total area of 1.9 ac. This subarea was 42 percent burned creating an adjusted debris production potential of 150 cy. During moderate to severe storm events, sediments will flow into the lower lying region of the watersheds and no adverse debris flow impacts are anticipated. There are no County facilities or residential homes below the burned area.

Subareas 9, 10, 11, and 12

**Subarea 9** consists of a watershed westerly of Mureau Road and northerly along the Ventura Freeway westbound with a total area of 0.6 ac. Subarea 9 was 98 percent burned creating an adjusted debris production potential of 70 cy.

**Subarea 10** consists of a watershed easterly of Mureau Road and northerly along the Ventura Freeway westbound with a total area of 0.8 ac. The Subarea 10 was 100 percent burned creating an adjusted debris production potential of 90 cy.

**Subarea 11** consists of a watershed easterly of Mureau Road and northerly along the Ventura Freeway westbound with a total area of 0.6 ac. Subarea 11 was 100 percent burned creating an adjusted debris production potential of 70 cy.

**Subarea 12** consists of a watershed easterly of Mureau Road and northerly along the Ventura Freeway westbound with a total area of 1 ac. The subarea 12 was 100 percent burned creating an adjusted debris production potential of 110 cy.

During storms, sediment from subareas 7, 8, 9, and 10 are on an engineered slope and no significant sediment movement is anticipated.

If you have any questions regarding this report, please contact Steven Chung at Extension 6125 or Mike Miranda at Extension 6164.

 SC:vt

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Attach.

cc: Disaster Service (Dai Bui)  
Flood Maintenance (West)  
Water Resources (Walden)