

ATTACHMENT A

EQUESTRIAN FIRE DESCRIPTION OF BURN AND POTENTIAL SEDIMENT IMPACT

Fire Name: Equestrian Fire
Date of Fire: June 8, 2020
Burned Area: 88 Acres
Location: Castaic area – including portions of Tapia Canyon east of the 5 Freeway within unincorporated Los Angeles County. The burned area boundary is shown in Attachment B.

Vegetation Types before Burn

California coastal sage and California montane chaparral.

Fire History

Public Works' fire history records indicated the 1998 Wayside Fire had burned approximately 19 acres. 95 percent of the Wayside Fire was within the Equestrian Fire boundary. (Attachment B).

Summary of Potential Postfire Debris Flow Impacts

The Equestrian Fire burn area is entirely located in Debris Production Area Zone 8 and subdivided into a total of 20 subarea watersheds. Each subarea of the Equestrian Fire is subject to debris flows as shown in the Debris Flow Phase Map. The debris production volumes noted herein are those resulting from a moderate to severe storm event.

During moderate to severe storm events, increased debris flows within subareas 1 through 8 and subareas 10 through 20 are anticipated to deposit in mild or flat areas and not impact structures or auxiliary buildings.

Subarea 9 has an area of 2 acres and is 100 percent burned, creating an adjusted debris production potential of 111 cubic yards. During moderate to heavy storm, increased debris flow is anticipated to impact a storage structure located below the burned hillside in the subarea 9.

No Public Works maintained facilities are anticipated to be impacted by storm produced debris flows.

Evacuations

No evacuations are anticipated.

Engineering Advice

Public Works visited with the Los Angeles County Sheriff Department and surveyed potential locations prone to postfire debris flows. After the calculations were completed, only one storage shed at subarea No. 9 was determined at risk from direct impact. The Sheriff's Department has heavy equipment, k-rail, and deflector material to implement protective measures discussed in the field at the Pitchess Detention Center.

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