ATTACHMENT A

EATON FIRE

DESCRIPTION OF BURN AND POTENTIAL SEDIMENT IMPACT

Fire Name:	Eaton Fire
Date of Fire:	January 7, 2025, to January 31, 2025
Burned Area:	14,021 acres
Location:	The fire perimeter extended from east to west, covering the San Gabriel Mountains and foothills above the community of Altadena in Unincorporated Los Angeles County, and the Cities of Pasadena, Sierra Madre, and Arcadia shown on Attachment B.

Vegetation Types before Burn

Vegetation inside the Eaton Fire burn perimeter was dominated by sparse chaparral. Annual grassland, coastal oak woodland, and mixed chaparral were also present inside the Eaton Fire burn perimeter. Lower slope positions and larger valley bottoms along the range front included denser vegetation in residential areas.

Fire History

Many previous fires burned within the perimeter of the 2025 Eaton Fire. The recent notable fires were the 2020 Bobcat, 2009 Station, 2008 Santa Anita, and 1993 Kinneloa Fires. Recent fire history records are shown on the 2025 Eaton Fire History Map (Attachment B). For historical fire records beyond 32 years, please contact Stormwater Engineering Division at 1 - (800) 933-0930.

Summary of Potential Postfire Debris Flow Impacts

The Eaton Fire burned area is divided into 85 sub-areas located in Debris Production Areas Zones 1 and 7. The debris production volumes noted in the Burned Area Map (Attachment C) are those resulting from a Debris Design Event. Vulnerable properties affected by moderate to severe storm events are shown on Attachment D.

The Eaton Fire area is subject to flooding and debris flow as shown on the Debris Flow Hazard Map. The debris volumes noted herein are those resulting from a moderate to severe storm event. Table 1 is a list of debris retaining facilities potentially impacted.

Table 1

Debris Basins

Name	Location
Lincoln Debris Basin	Unincorporated Altadena
West Ravine Debris Basin	Unincorporated Altadena
Fern Debris Basin	Unincorporated Altadena
Fair Oaks Debris Basin	Unincorporated Altadena
Devonwood Debris Basin	Unincorporated Altadena
Las Flores Debris Basin	Unincorporated Altadena
Rubio Debris Basin	Unincorporated Altadena
Gooseberry Debris Basin	Unincorporated Altadena
Kinneloa West Debris Basin	Unincorporated Altadena
Kinneloa East Debris Basin	Unincorporated Altadena
Sierra Madre Villa Debris Basin	City of Pasadena
Carriage House Debris Basin	City of Pasadena
Sunnyside Debris Basin	City of Pasadena
Bailey Debris Basin	City of Sierra Madre
Auburn Debris Basin	City of Sierra Madre
Carter Debris Basin	City of Sierra Madre
Sierra Madre Dam Debris Basin	City of Sierra Madre
Sturtevant Debris Basin	City of Sierra Madre
Lannan Debris Basin	City of Sierra Madre
Santa Anita Debris Basin	City of Arcadia

Rail & Timber Structures

Name	Location
Gooseberry Rail & Timber	Unincorporated Altadena
Tanoble Rail & Timber	Unincorporated Altadena
Allen Reservoir Rail & Timber	Unincorporated Altadena
Carter Rail & Timber	City of Sierra Madre
New York Lower	Unincorporated Altadena
New York Upper	Unincorporated Altadena
Yucca Trail Rail & Timber	City of Sierra Madre
Stonehouse Rail & Timber	City of Sierra Madre

Evacuations

Potential evacuations of 131 properties due to safety concerns and 643 properties due to access issues in the communities of Altadena in Unincorporated Los Angeles County, the Cities of Pasadena, Sierra Madre, and Arcadia were under the purview of the Los Angeles County Sheriff's and Fire Departments, Cities of Pasadena, Sierra Madre, and Arcadia's first responders, otherwise known as Incident Command.

Engineering Advice

Stormwater Engineering Division with support from other divisions, investigated approximately 131 properties and mitigation measures were discussed with 102 residents. Eleven residents received written advice while 91 preferred verbal recommendations.

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