Public Works

LOS ANGELES COUNTY

Big Tujunga Reservoir Restoration Project
Virtual Public Meeting

October 14, 2021
6:00 to 8:00pm

Big Tujunga Reservoir Restoration Project (BTRRP)

Agenda:

- Overview & Background
- Goals & Objectives
- Activities
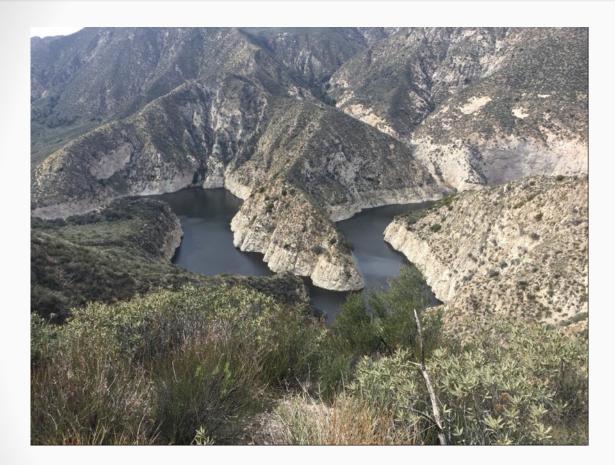- Schedule

Big Tujunga Reservoir Restoration Project (BTRRP)

Big Tujunga Dam - Constructed in 1931

- Provides Flood Control

- Allows stormwater capture

- Sustains summer flows

Big Tujunga Reservoir Restoration Project (BTRRP)

Big Tujunga Reservoir

- Original capacity of 6,240 acre-feet

- Sediment and debris accumulation decreases capacity

- Periodic sediment removal required

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Big Tujunga Reservoir Restoration Project (BTRRP)

Effects of Station Fire:

- 87% of tributary area burned

- Increased sediment accumulation

- Slowly recovering watershed

*As of Sep. 2017 survey

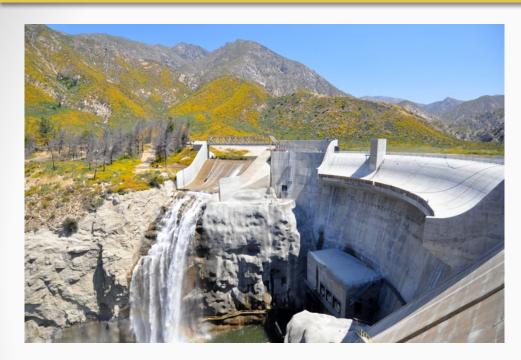# Big Tujunga Reservoir Restoration Project (BTRRP)

Why are we cleaning out the reservoir now?

- Size of watershed

- Large storms may cause dam to be inoperable

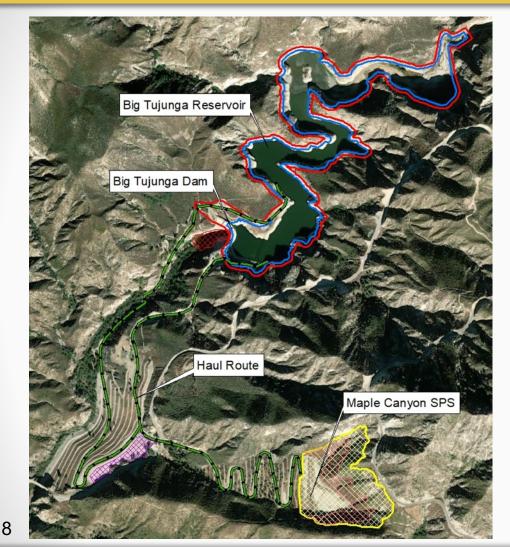Photos taken in Mar. 2010, after Station Fire

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Big Tujunga Reservoir Restoration Project (BTRRP)

Project Goals:

- Restoring capacity for flood protection

- Maximizing stormwater capture ability

Big Tujunga Reservoir Restoration Project (BTRRP)

Project Objectives:

- Remove 2.0 to 4.4 mcy of sediment

- Removal footprint: 45 acres of reservoir

- Transport Method: low emissions trucks over paved haul roads

- Placement Location: Maple Canyon SPS

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Big Tujunga Reservoir Restoration Project (BTRRP)

Dewatering and Diversion:

- Dewatering by valve releases and pumped flow

- Desilting basins

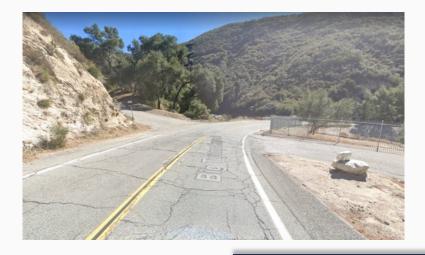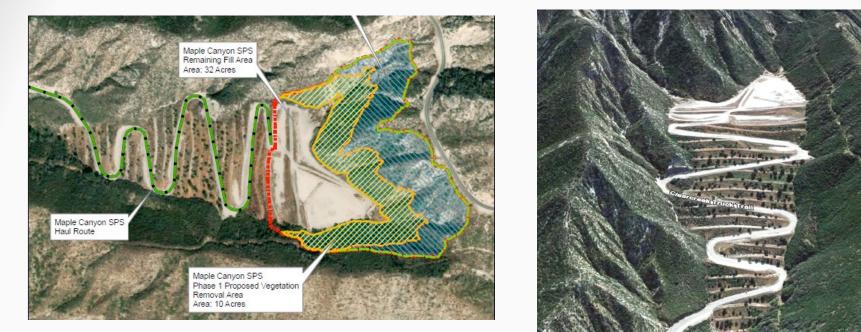- Sediment filtration best management practices

- Bypass line diversion

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Sediment Transport:

- Low Emissions Trucks on Paved Haul Roads

- Road Crossing at Big Tujunga Canyon Rd

- Flaggers to control traffic

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Big Tujunga Reservoir Restoration Project (BTRRP)

Sediment Placement: Maple Canyon SPS

- Originally utilized in 1981

- Approx. 1.7 miles from Reservoir

- Plant Revegetation

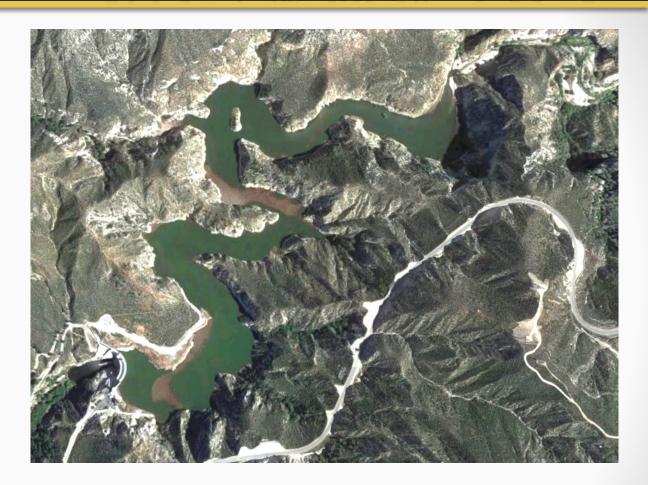*Fill will be placed in top plateau, building SPS up towards Angeles Forest Hwy

Big Tujunga Reservoir Restoration Project (BTRRP)

Tentative Schedule:

- Site Preparation Start: Fall 2022

- Sediment Removal Start: Spring 2023

- Project End: Fall 2027 or earlier

QUESTIONS?

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