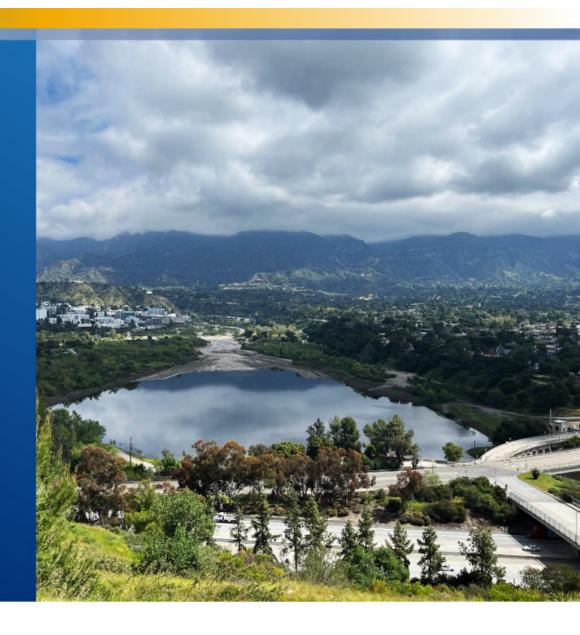
## Reservoir Restoration Program & Climate Change

Presented by: Sterling Klippel Assistant Deputy Director, PW





### Los Angeles County Flood Control District









**110** Years

14 Major Dams

35 Sediment Placement Sites

27 Spreading Grounds

178 Debris Basins





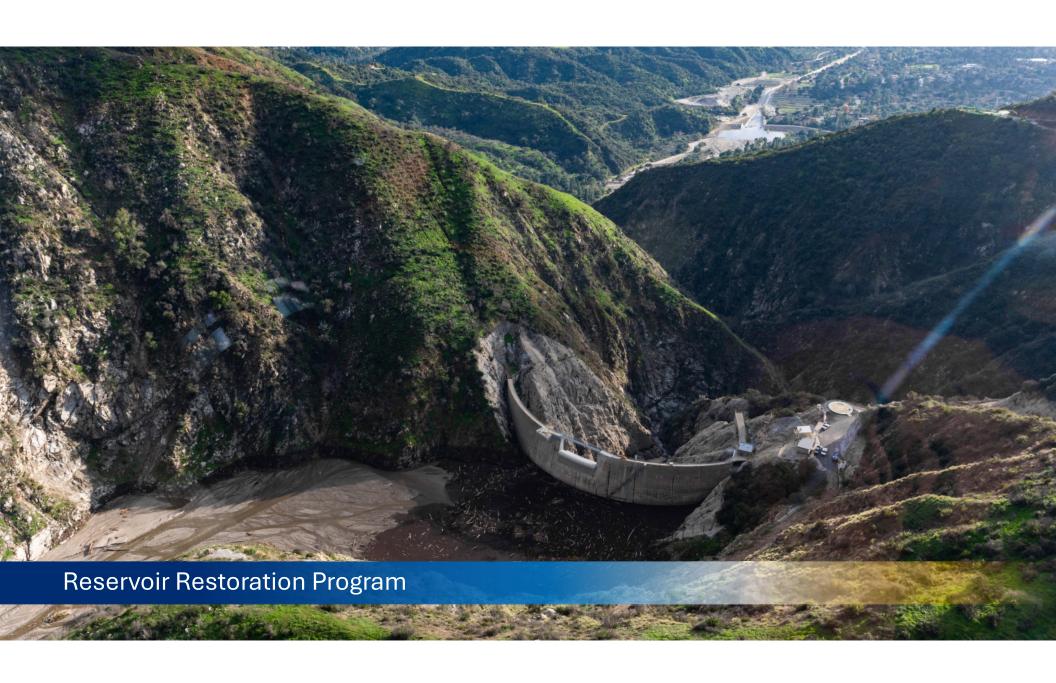


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### **Sediment Accumulation**



### **Post-Fire Conditions Increase Sediment and Debris Deposition**







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# Sediment Removal





















### Reservoir Restoration Program



#### **10-Year Project Summary**

Project Name	Sediment Removed (CY)	Total Contract Cost
Cogswell Reservoir Post-Fire Emergency Project (2021-2024)	2,178,000	\$158,843,000
Devil's Gate Reservoir Annual Maintenance (2022-2031)	600,000	\$40,000,000
Santa Anita Reservoir Post-Fire Emergency Project (2023-2024)	437,000	\$55,256,000
San Gabriel Reservoir Post-Fire Emergency Project Phase 2 (2021-2025)	3,200,000	\$180,997,000
Eaton Wash Dam Post-Fire Emergency Project (2025)	655,000	\$38,000,000
San Gabriel Reservoir Post-Fire Emergency Project Phase 3 **	5,000,000	\$193,000,000 *
Big Tujunga Reservoir Restoration Project **	2,000,000	\$66,000,000 *
Pacoima Reservoir Restoration Project Phase 1 **	1,500,000	\$80,000,000 *
Pacoima Reservoir Restoration Project Phase 2 **	3,000,000	\$120,000,000 *
TOTALS	18,570,000	\$932,096,000 *

<sup>\*</sup> Estimated amounts

<sup>\*\*</sup> Pending Projects

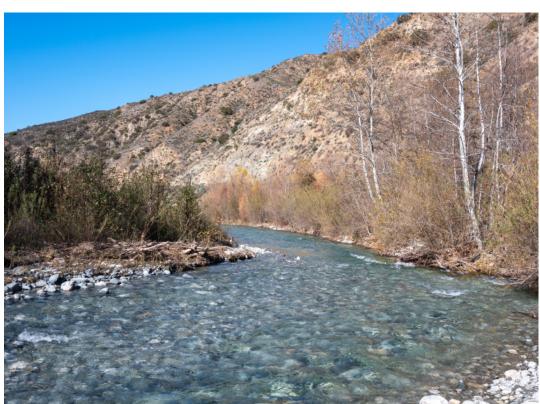
### Regulatory Framework



### Regulatory Requirements Impact Project Implementation

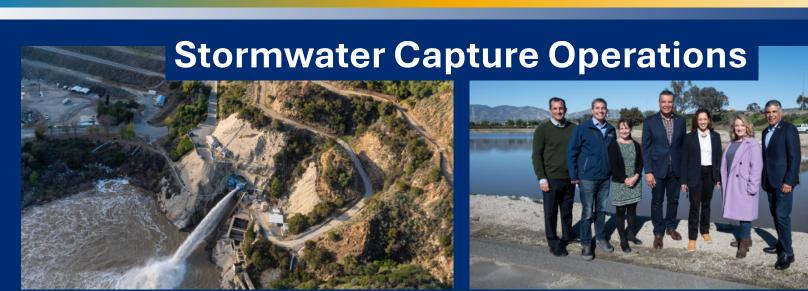
- Lengthy Environmental Document (CEQA/NEPA) Process
- Complex Regulatory Permits
- Substantial Mitigation Requirements





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