

Devil's Gate Reservoir Restoration Project



Public Works
LOS ANGELES COUNTY





Flood Risk along the Arroyo Seco

- Following the Station Fire, 1.3 MCY of sediment entered Devil's Gate Reservoir.
- Reservoir does not have adequate capacity for a major storm event.
- Until sediment is removed, there is significantly increased flood risk to communities along the Arroyo Seco.





A Sustainable Devil's Gate

- Permanent Maintenance Area would use less than 20 percent of reservoir
 - 49 of 258 total acres
- 70 acres of native habitat creation and restoration
- Additional seven acres of habitat planting along side slopes
- Configuration enables native habit to co-exist with O&M in a sustainable way
- Establishes a seasonal reservoir pool





Construction

Establish a permanent maintenance area for annual sediment removal

- Reduces need for major sediment removal project in the future

Restores flood protection capacity and reduces flood risk

- 1.7 MCY sediment removal (plus additional inflow during project)
- 800,000 CY annual maximum
- Reservoir will have 3 MCY of capacity for flood protection





Construction Recap

Measures to reduce impacts:

- New access points: No sediment hauling on residential streets
- Hauling Operations:
 - ✓ April thru October (November if weather allows)
 - ✓ Monday-Friday, from 7 a.m. to 3:30 p.m.
 - ✓ Low-emission trucks
 - ✓ No weekends, holidays or major Rose Bowl events
 - ✓ No staging on city streets
 - ✓ Covered beds and enforcement of BMPs
 - ✓ Construction inspectors on site
 - ✓ Trucks balanced between cities of Pasadena and La Cañada Flintridge



Taking a Community-First Approach



-  During AM Drop Offs
-  After AM Drop Offs
-  Hauling when School is on Summer Break

Varying haul routes and timing to avoid traffic impacts, and balance truck traffic between the communities.





Taking a Community-First Approach



Varying haul routes and timing to avoid traffic impacts, and balance truck traffic between the communities.





Enhancing Native Habitat and Recreation



A SUSTAINABLE DEVIL'S GATE RESERVOIR





Enhancing Native Habitat and Recreation

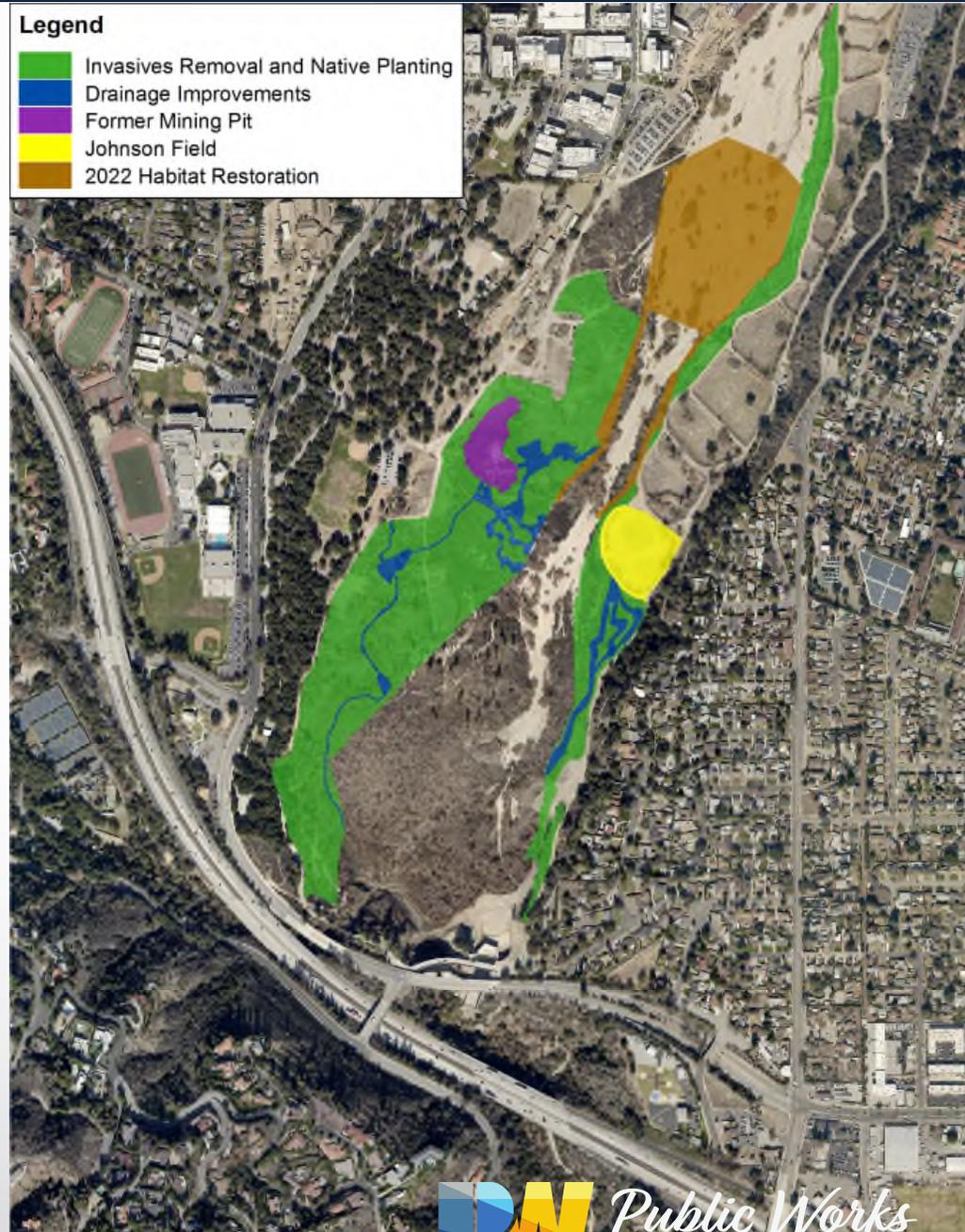


A SUSTAINABLE DEVIL'S GATE RESERVOIR



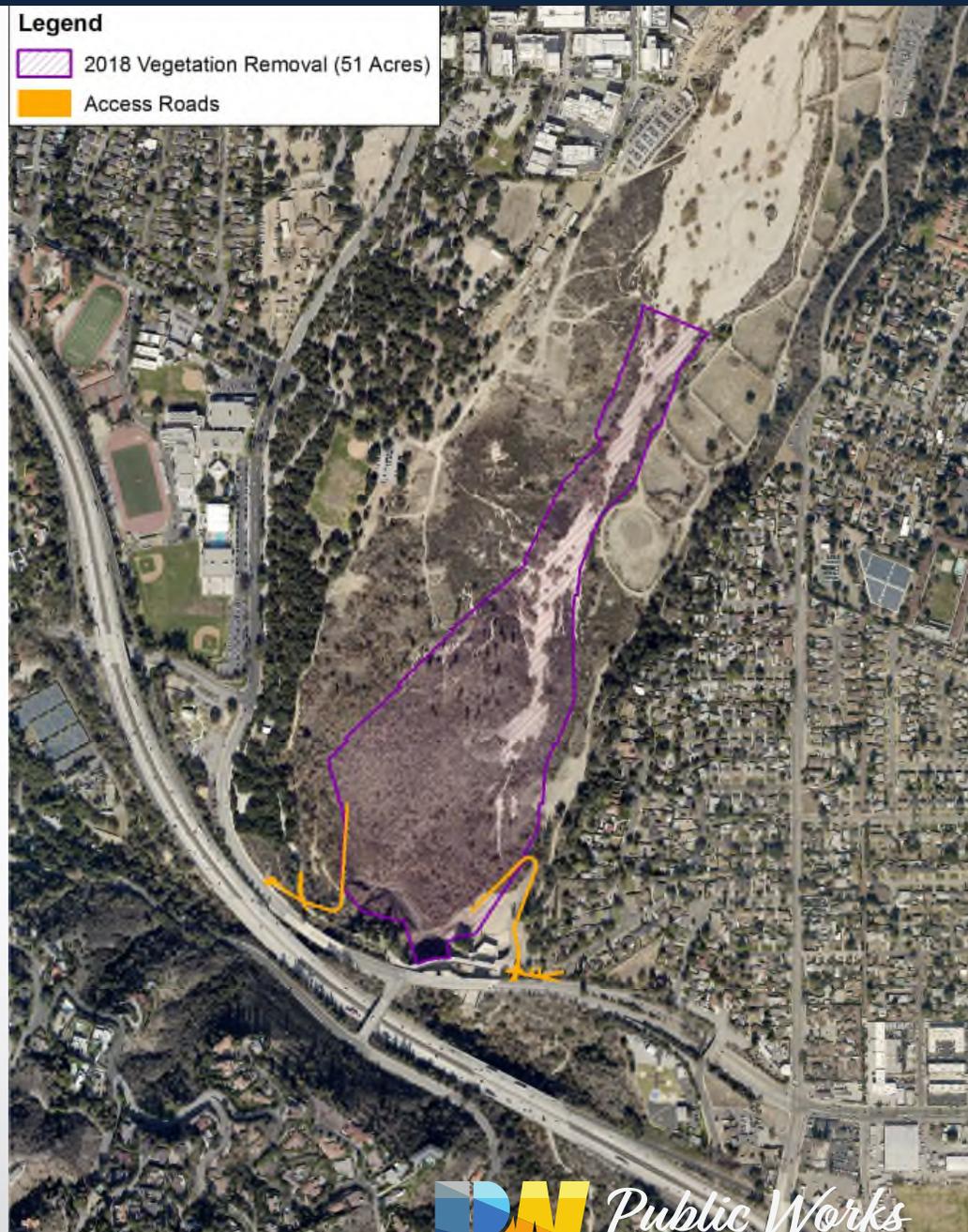
Phase 1: Restoration

- November 2018 - April 2019
- Restoration of 70 acres of non-native and invasive vegetation with drought-tolerant, native habitat
- Replanting activities will be done with hand tools
- Minor grading and recontouring
- Irrigation system installation
- Installation of container plants and pole cuttings and seeding
- Ongoing weed removal and irrigation



Phase 2: Access Road Construction & Vegetation Removal

- November 2018 - March 2019
- Removal of 51 acres of vegetation
- Workspace clearly defined with fencing and/or staking
- Biologists conduct pre-construction surveys, monitor project activities, report noncompliance issues and recommend measures to avoid impacts to wildlife



Phase 2: Access Road Construction & Vegetation Removal

- Temporary trail closures during work week. Open weekends.
- Signs posted 30 days prior to closure
- No project-related road work in Pasadena from Dec. 17 - Jan. 6
 - Includes slip lane for east access road and turn lane in center median for both access roads



Phase 3: Sediment Removal

- April - November (2019–2022)
- Monday - Friday, 7 am to 5 pm with hauling ending at 3:30 pm
- No work on weekends, holidays, or during major Rose Bowl events
- Trails temporarily closed weekdays 7 am - 5 pm. Open weekends
- Prior to final year of project, remaining 14 acres of vegetation removed at north end of reservoir





Talk to Us

Questions?

For More Information:

Subscribe to our e-mail list to receive updates on the project.



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