

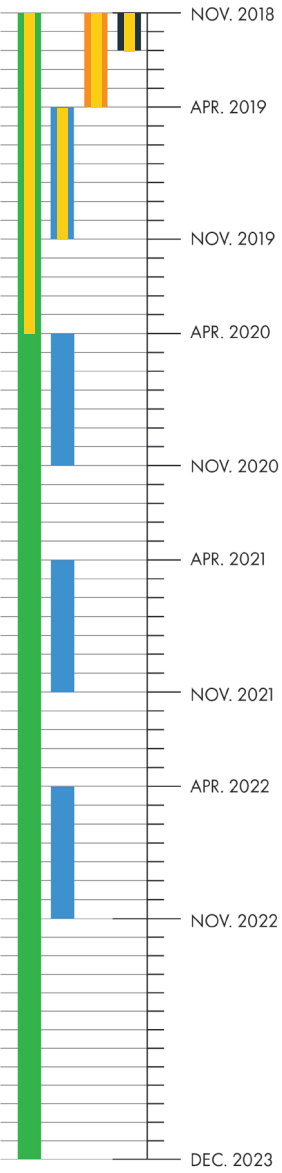


# Devil's Gate Reservoir Restoration Project A Sustainable Approach to Sediment Removal

## Community Update: Second Season of Sediment Removal Begins

### Timeline

- Vegetation Removal – completed  
November 2018 – January 2019
- Access Road Construction  
November 2018 – April 2019
- Sediment Removal  
April – November, 2019 – 2022
- On-site Habitat Restoration  
November 2018 – December 2023
- Completed



## Project Background

Los Angeles County Flood Control District was created in 1915 after catastrophic flooding caused \$10 million in damages in local communities, taking a heavy toll on residents. The District has now been providing flood protection and water conservation for more than a century.

In partnership with Los Angeles County Public Works, the District manages the natural vulnerability the LA Basin has to regional flooding. This includes operation of complex flood protection and water conservation systems comprised of 14 major dams, 162 debris basins, 500 miles of open channel and 27 spreading ground facilities—encompassing more than 2,700 square miles.

In 2009, the Station Fire, the largest fire recorded in Los Angeles County at the time, burned more than 160,000 acres of the San Gabriel Mountains. Subsequent storms brought more than 1.3 million cubic yards of sediment into the Devil's Gate Reservoir, enough to fill the Rose Bowl three times. The accumulated sediment reduced Devil's Gate Dam's ability to contain stormwater flows from a major storm event. Sediment removal is necessary to prevent flooding to downstream communities.

## Project Overview

The Devil's Gate Reservoir Restoration Project is a four-year campaign that will remove 1.7 million cubic yards of sediment plus additional seasonal inflows from rainfall into the reservoir. It will restore flood control capabilities for the Arroyo Seco Watershed and LA Basin. Upon completion, the County will begin an annual maintenance program to sustainably manage future inflows of sediment. The new configuration will allow native habitat areas to flourish alongside reservoir flood control operations for both the safety and well-being of adjacent communities.

The first season of sediment removal began in April 2019 and resulted in the removal of 445,460 cubic yards of sediment. The second season begins in April and will last through November 2020.

The sediment removed from the reservoir is being distributed between two locations: Manning Pit in Irwindale and Sheldon Pit in Sun Valley.

Sheldon Pit in Sun Valley, CA is owned and operated by Vulcan Materials Company. It was selected as a site to receive sediment from the Devil's Gate Reservoir as part of its partnership with LA County Flood Control District. Sheldon Pit is one of the largest sites for sediment in the County. The distribution of the sediment will be managed and operated by LA County Public Works, in coordination with Vulcan Materials Company. The trucks will be monitored regularly and work to have minimal impact on the surrounding communities.



## Community Engagement

Throughout the project, Public Works will provide updates to civic and community members and address any questions or concerns. In addition, Public Works will hold stakeholder calls to keep leaders informed and address any community concerns.

## Community Impact

Public health and safety are among the County's top priorities. During the first sediment removal season, Public Works worked with community leaders and implemented mitigations to further contain, reduce and prevent fugitive dust emissions from entering surrounding communities, as well as additional steps to keep neighborhood streets clean. The following measures have been incorporated to minimize impacts:

- Widened access ramp inside the pit for increased volumes and to minimize staging on local streets.
- Paved access ramp inside the pit for better traction and efficiency of trucks to reduce tracking and dust onto the local streets.
- Street sweeper sweeping sediment removal routes on local streets.
- Flag person stationed on the Wentworth Street entrance to Sheldon Pit for the increased safety of motorists.

LA County Public Works is taking steps to minimize the project's impact including the use of diesel trucks that are registered with the California Air Resources Board meeting or exceeding the U.S. Environmental Protection Agency's 2010 emission standards for air quality protection. In addition, the following measures have been incorporated to minimize impacts:

- Sediment removal will occur Monday through Friday, 7:00 a.m. to 5:00 p.m. There will be no work done on weekends or holidays.
- LA County Public Works has a California Air Resources Board (CARB)-certified Visible Emission Evaluation representative monitoring the trucks routinely.
- All trucks are registered with CARB utilizing the Truck Regulation Upload Compliance and Reporting System (TRUCRS). Contractors provide LA County Public Works with a copy of the CARB Executive Order for all engine models used on the project.
- LA County Public Works is monitoring the trucks to ensure they are in compliance with project requirements.
- Truck operators are required to provide copies of periodic smoke inspection program test results annually.

To address any questions or concerns with the trucks entering and leaving, please call (626) 458-2507 or email [devilsgateproject@pw.lacounty.gov](mailto:devilsgateproject@pw.lacounty.gov).



## Meet Brittany Barker, Civil Engineer, Construction Manager

Brittany Barker oversees day-to-day activities for the Devil's Gate Reservoir Restoration Project and has worked with LA County Public Works for more than 15 years. Get to know Brittany:

### • How long have you worked on the Devil's Gate Reservoir Restoration Project?

I started working on the Devil's Gate Reservoir Restoration Project nearly 4 years ago during the planning stages.

### • Where is your office located?

During active construction operations, I work from the construction trailer located at the Devil's Gate Dam.

### • What are you most excited for in the second season of sediment removal?

In 2019, we had a lot of challenges and a lot of learning opportunities that we finally got a handle on towards the last half of the sediment removal season. I'm looking forward to fine tuning our operations to further minimize the impacts to the surrounding communities.

### • What does a typical day entail?

First thing in the morning, I check in with our LA County Public Works team on-site, and we discuss focus areas for the day. Once staff is deployed to their stations, I'm troubleshooting issues they observe, communicating and coordinating with the Contractor and community stakeholders throughout the day. This includes creating reports and processing change orders, managing the construction schedule, preparing community outreach information, and planning next steps.

### • What were you doing before working for LA County Public Works?

I was originally recruited from Clarkson University in Upstate New York to work for LA County Public Works. After 2 years, I decided to go work for a private firm performing construction management services for a fully occupied apartment complex renovation project. I wasn't finding that work rewarding so I returned to LA County Public Works and began managing challenging infrastructure projects that required extensive coordination and community engagement.

### • What do you enjoy most about working on this project?

I enjoy the fast-paced environment and daily challenges. No day is the same. I also enjoy meeting and working with a variety of people in the community.

### • When you are not managing Devil's Gate, what do you do for fun?

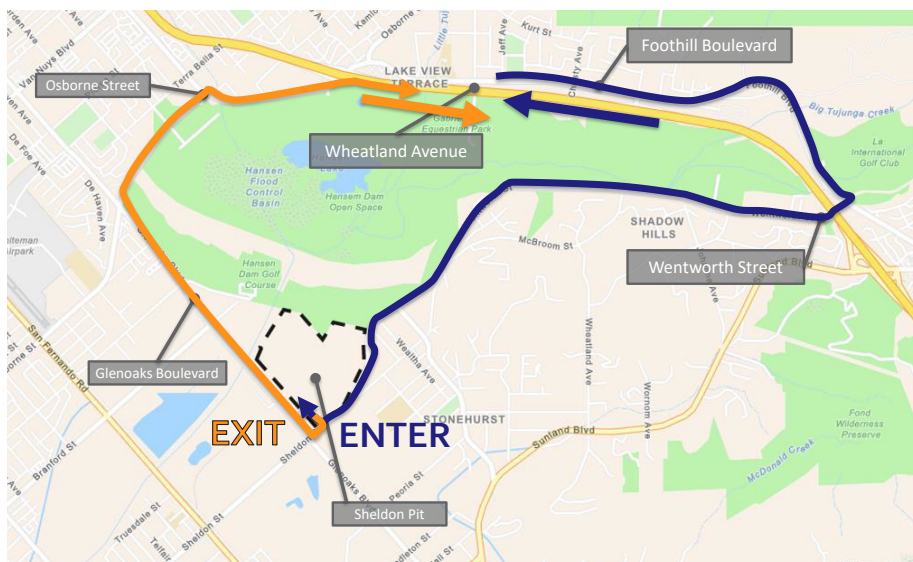
Outside of work, I enjoy spending time with my husband and three young kids, attending their various activities and coaching their soccer teams.

## Sediment Removal Routes

Sediment removal will take place between April and November 2020. Approximately 95 trucks will be used for a maximum 425 daily round trips.

There are two sediment removal route options for Sheldon Pit.

The trucks will leave Devil's Gate Reservoir and take the I-210 west towards Sheldon Pit. Trucks will exit the I-210 freeway using Wheatland Avenue. Trucks will make a right turn onto Foothill Boulevard, then a right onto Wentworth Street and turn right to enter Sheldon Pit. To exit, trucks will turn right onto Sheldon Street, travel north on Glenoaks Boulevard, turn right onto Osborne Street make a right turn onto Foothill Boulevard to enter the I-210 freeway.




## For More Information

To learn about the project, receive project updates or contact the project team, please feel free to contact us:

 [devilsgateproject.com](http://devilsgateproject.com)

 [devilsgateproject@pw.lacounty.gov](mailto:devilsgateproject@pw.lacounty.gov)

 (626) 458-2507

LA County continues to urge everyone to take precautions to slow the spread of COVID-19. For the most up to date information, please visit: <http://publichealth.lacounty.gov/Coronavirus/>

If you have questions and would like to speak to someone, or need help finding medical care, call the Los Angeles County Information line 2-1-1, which is available 24/7.