



2023 Storm Season Update

Public Works

LOS ANGELES COUNTY



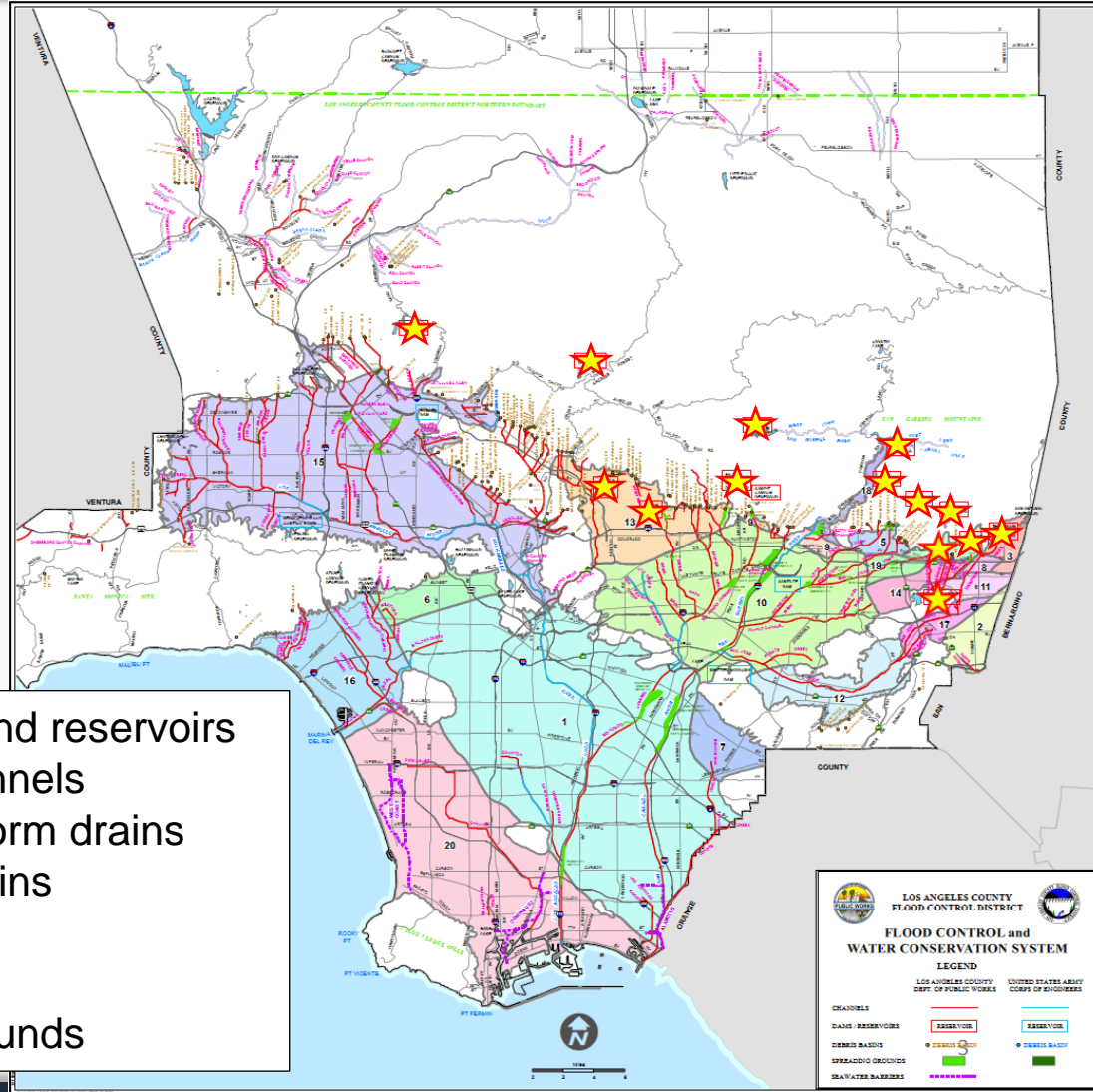
Public Works

LOS ANGELES COUNTY

Los Angeles County Flood Control District

Dual Mission to control and conserve stormwater: The District owns and operates a complex flood protection and water conservation system encompassing 2,758 square miles

- 14 major dams and reservoirs
- 491 miles of channels
- 3,400 miles of storm drains
- 97,466 catch basins
- 61 pump stations
- 189 debris basin
- 27 spreading grounds



CLIMATE AND ENVIRONMENT

Oh Dam... That's A Lot of Cleanup

By Gillian Morán Pérez
Published Jan 25, 2023 3:10 PM



The San Gabriel Dam provides flood protection and hydroelectric power to the San Gabriel Valley. (Daryl Barker / KPCC)

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CLIMATE & ENVIRONMENT

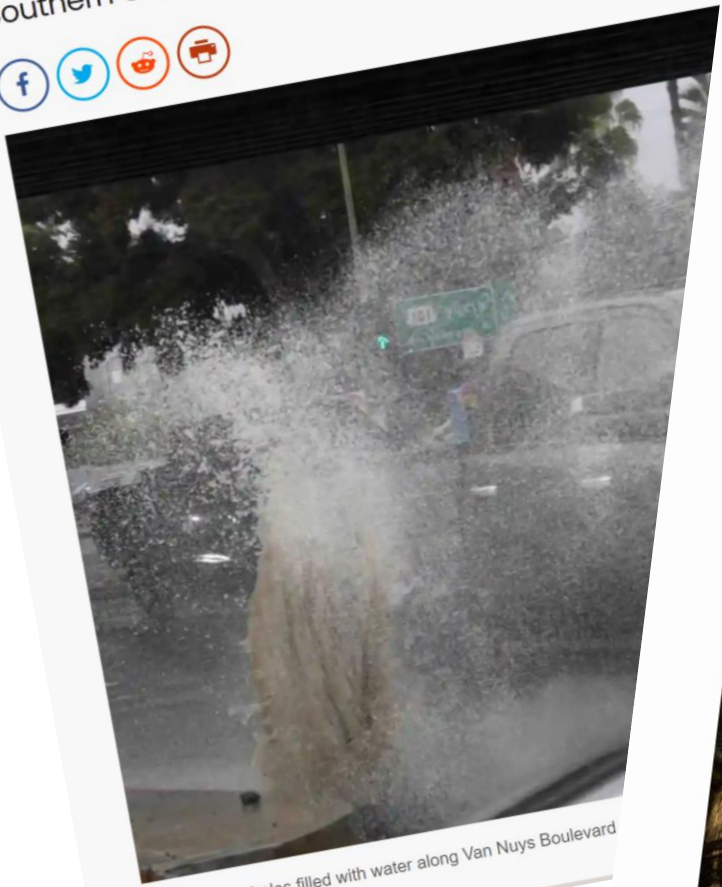
January storms leave L.A. County overflowing



Half a million cubic yards of muck have collected in the reservoir behind the 96-year-old Santa Anita Dam, officials say. The debris is at least 10 feet deep and now poses a flooding risk during severe storms. (Mel Melcon / Los Angeles Times)

Official: LA County storm recovery may cost \$100 million

Southern California storms clear, recovery & damage assessment begins

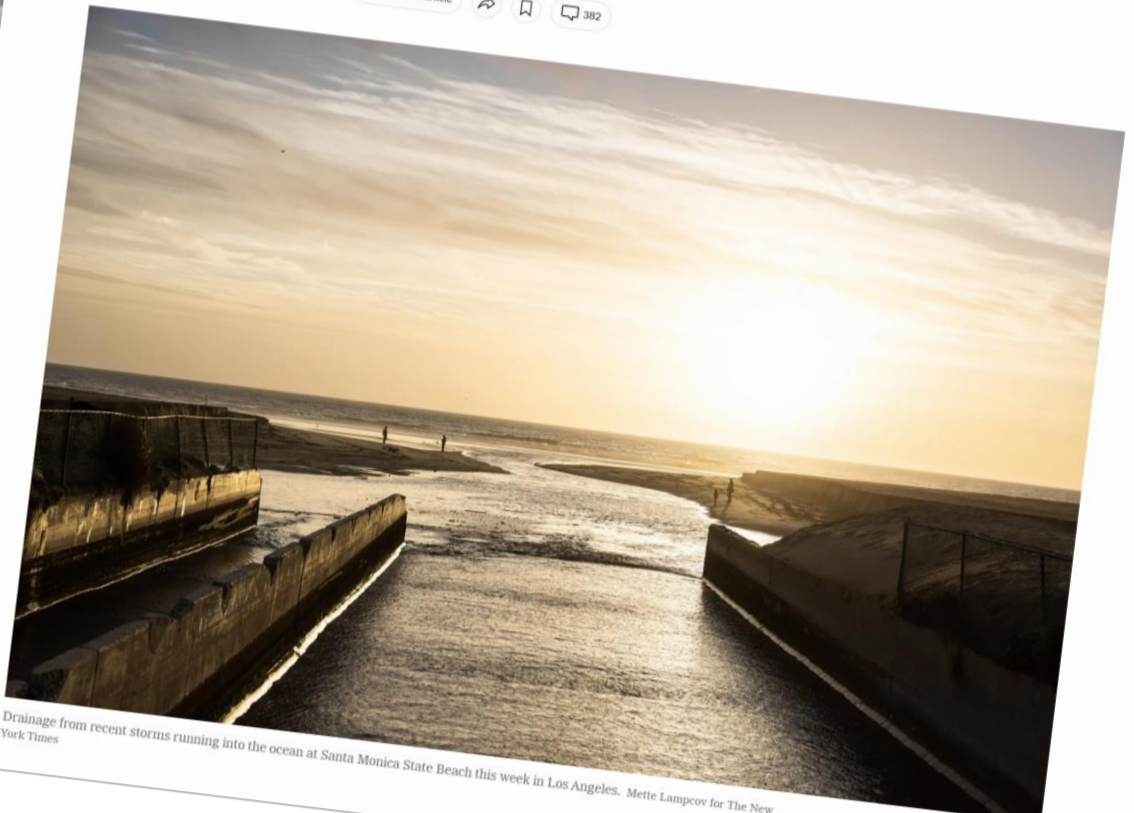


Drivers hit potholes filled with water along Van Nuys Boulevard
(Photographer)

In a Drought, California Is Watching Water Wash Out to Sea

Heavy storms have flooded parts of California, but the state has been unable to capture billions of gallons of water that are flowing unchecked into the ocean. Los Angeles is embarking on an ambitious new program to change that.

Give this article 382



Drainage from recent storms running into the ocean at Santa Monica State Beach this week in Los Angeles. Mette Lampcov for The New York Times

LA County captures 33 billion gallons of stormwater from winter storms

Officials said it's enough water to fill up four Rose Bowls.



By [Carlos Granda](#)

Tuesday, January 17, 2023



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The series of winter storms that slammed Southern California has produced a massive amount of stormwater that can be used as future drinking water in

California storms 'significantly reduced' drought intensity, yet still more rain is needed

By Rachel Ramirez and Brandon Miller, CNN
Published 1:30 PM EST, Thu January 12, 2023



Kevin T. Ueffing/ABC 7 News

Stormwater Capture

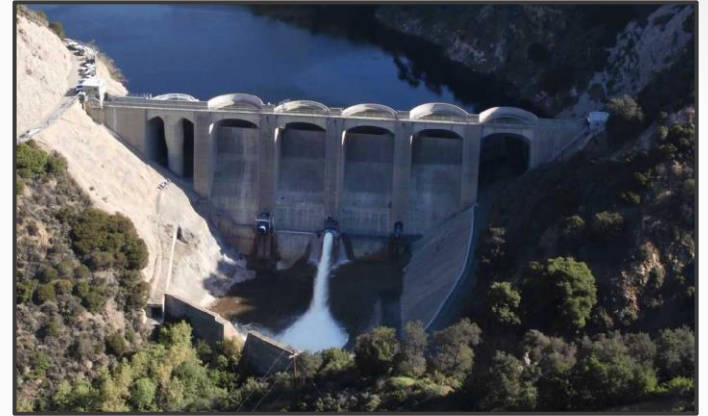
- Region received more than 15.3” of rainfall since October 2022.
- County captured more than 143K AF or 46.6 billion gallons.
 - 555 Rose Bowls
- Enough water for more than 1.1M people for one year.



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LACFCD DAMS



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LOS ANGELES COUNTY

LACFCD SPREADING GROUNDS



Santa Anita Dam and Reservoir



October 2022
Sediment level El. 1,222 ft.



January 2023
Sediment level El. 1,246 ft.

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Oakglade Debris Cleanout January 2023

Reservoir Restoration

- 14 major dams
- Climate Change causing weather whiplash and wildfires, filling our reservoirs with sediment, rocks, and debris—jeopardizing the water resiliency of the region.
- Due to Bobcat Fire, emergency projects at Cogswell and San Gabriel Dams underway at a cost of \$225M and an emergency project at Santa Anita Dam is planned to start in March for \$50M.
- 10-year Reservoir Restoration Program will remove 15 MCY of sediment at a cost of \$550M.

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Safe, Clean Water Program Stormwater Investment Plans (Regional Program Infrastructure Yrs 1 – 3)

Capture stormwater from
over

222,000 acres

Provide an increase in
total 24-hr storage
capacity of

4,070 AF

Provide an increase in
annual average
stormwater capture of

56,915 AF

Leverage other funding in
the approximate amount
of

\$542M

Invest in projects
benefiting disadvantaged
communities totaling

\$530M

Are being implemented
across

47 Municipalities

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SCWP Project Highlight Liberty Canyon Road Green Improvement Project

Key Design Elements

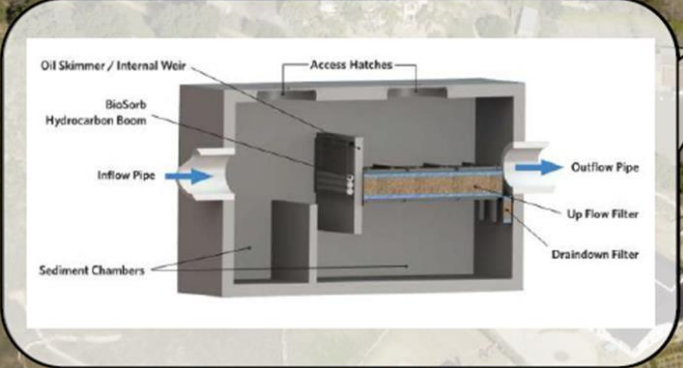
- Capacity – 0.895 af (85th percentile)
- Drainage Area – Approx. 41.8 ac



Benefits

- Water Quality – Water Polishers (or similar BMP)
- Target Pollutants – Bacteria, Nutrients, Sediment, Trash
- Community Enhancements – Vegetation, Trees, Passive Recreation

Outreach Plan

- Community Meeting July 15, 2021
- Future Outreach TBD



 Diversion Structure
 Green Street Improvement

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Water Quality

- 203-acre drainage area
- 8.5 acre-feet capacity (this is appx. 4 Olympic size swimming pools)



SCWP Project Highlight – Franklin D. Roosevelt Park



Water Supply

- 16 million gallons/year

Building Local Supplies

- Safe Clean Water Program:
 - Projects will capture another 56,900AF or 18.5 billion gallons a year
 - Enough to serve 500,000 people for one year.
 - \$1.2B investment with \$530M going to Disadvantaged Communities.
 - Desire to implement more projects faster
- Dam and Spreading Ground Investment
 - Restoring reservoir Capacity (sediment impacts)
 - Modifying and enlarging
- County Water Plan:
 - Over 200 water agencies in LA County
 - Regional collaboration to increase resilience.
 - Examples: Pure Water, Tujunga and Pacoima Spreading Grounds, etc.

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Federal, State and Local Partnerships





Questions?