

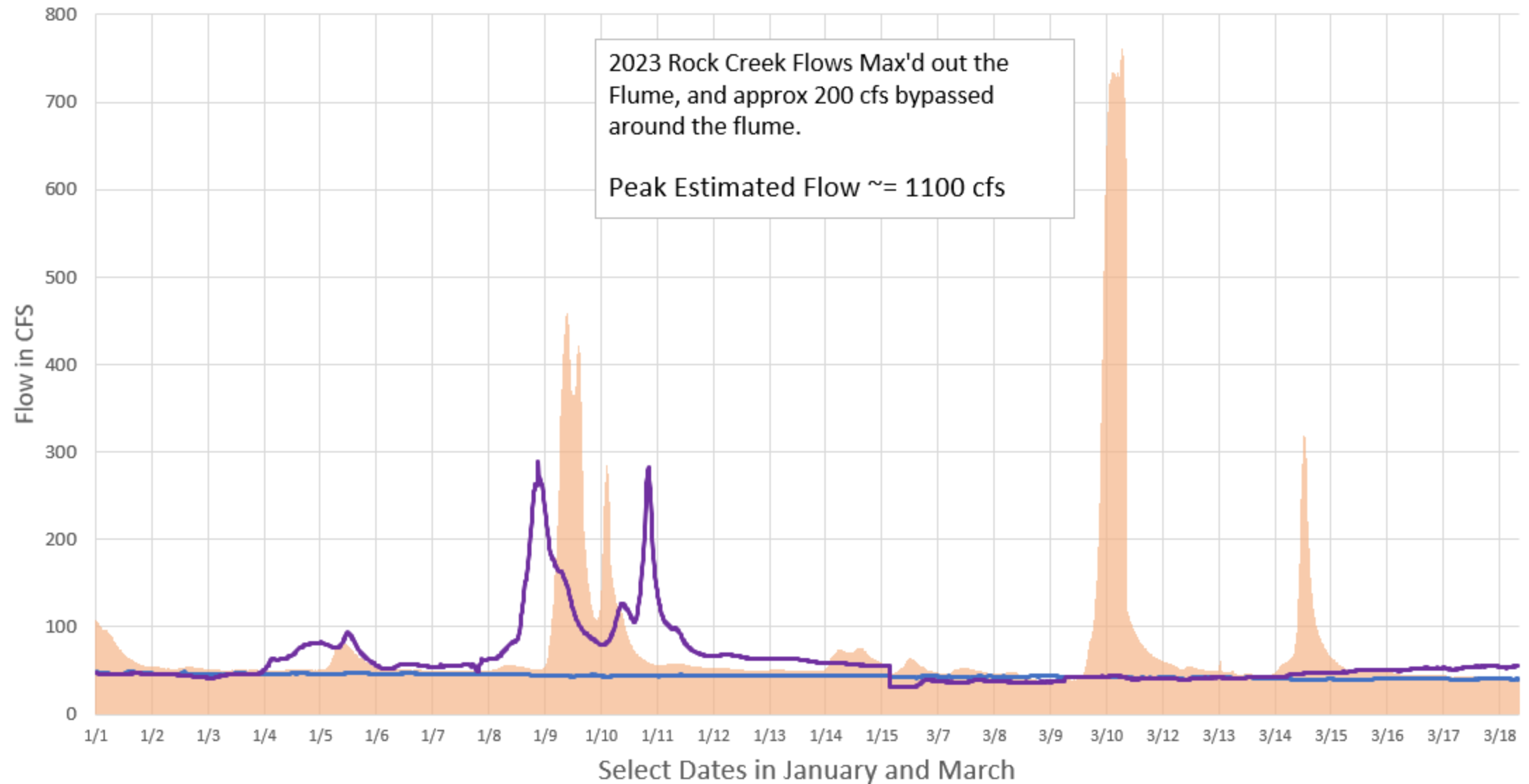


LADWP

2023 Record Sierra Precipitation

Rock Creek at Owens River - 15 min Flows

2023 CFS 2022 CFS 2017 CFS



Flumes



Los Angeles Aqueduct - March 11th



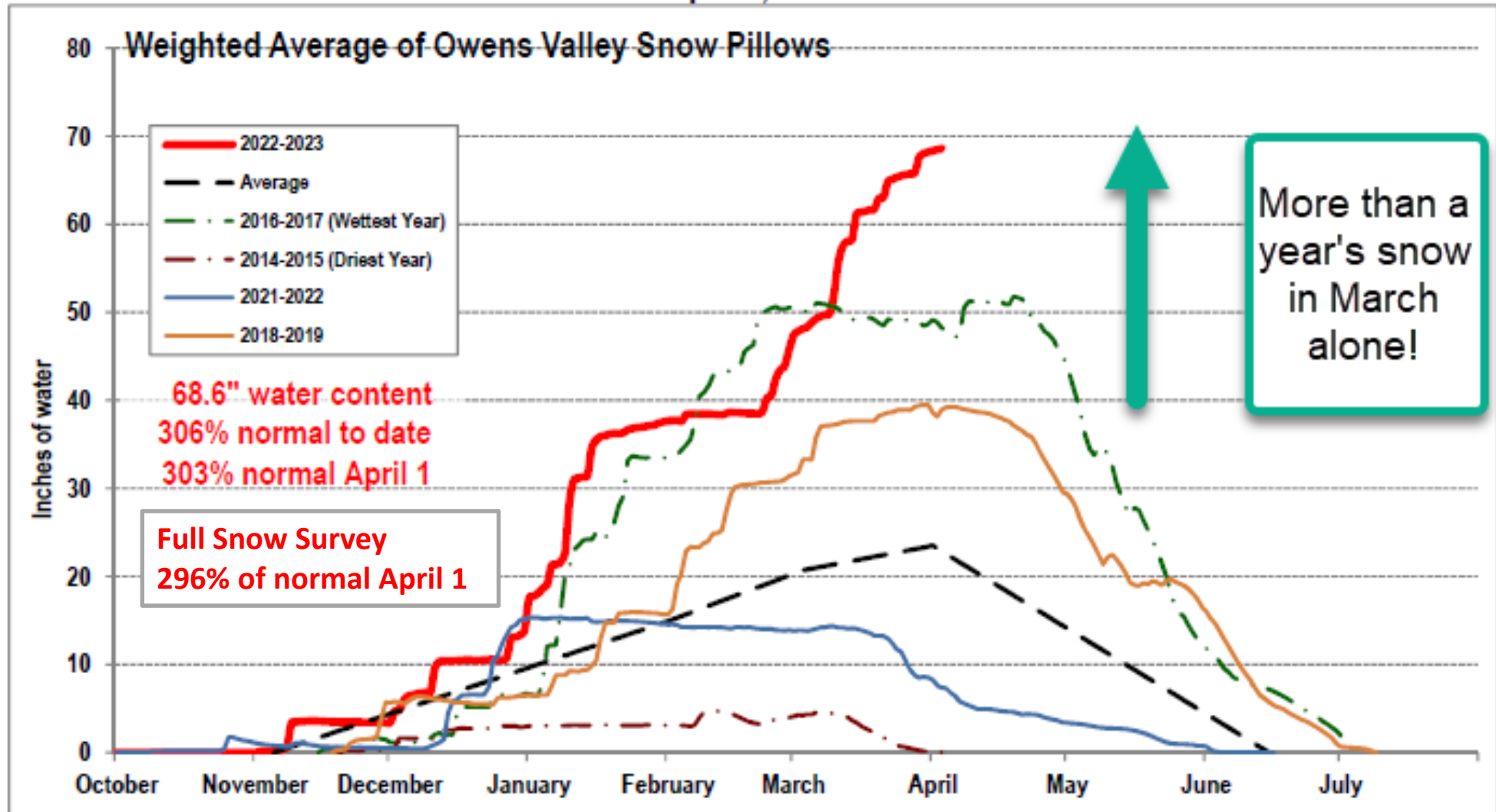
Mobilizing Staff, Equipment, and Materials



Aqueduct Back in Service March 18th



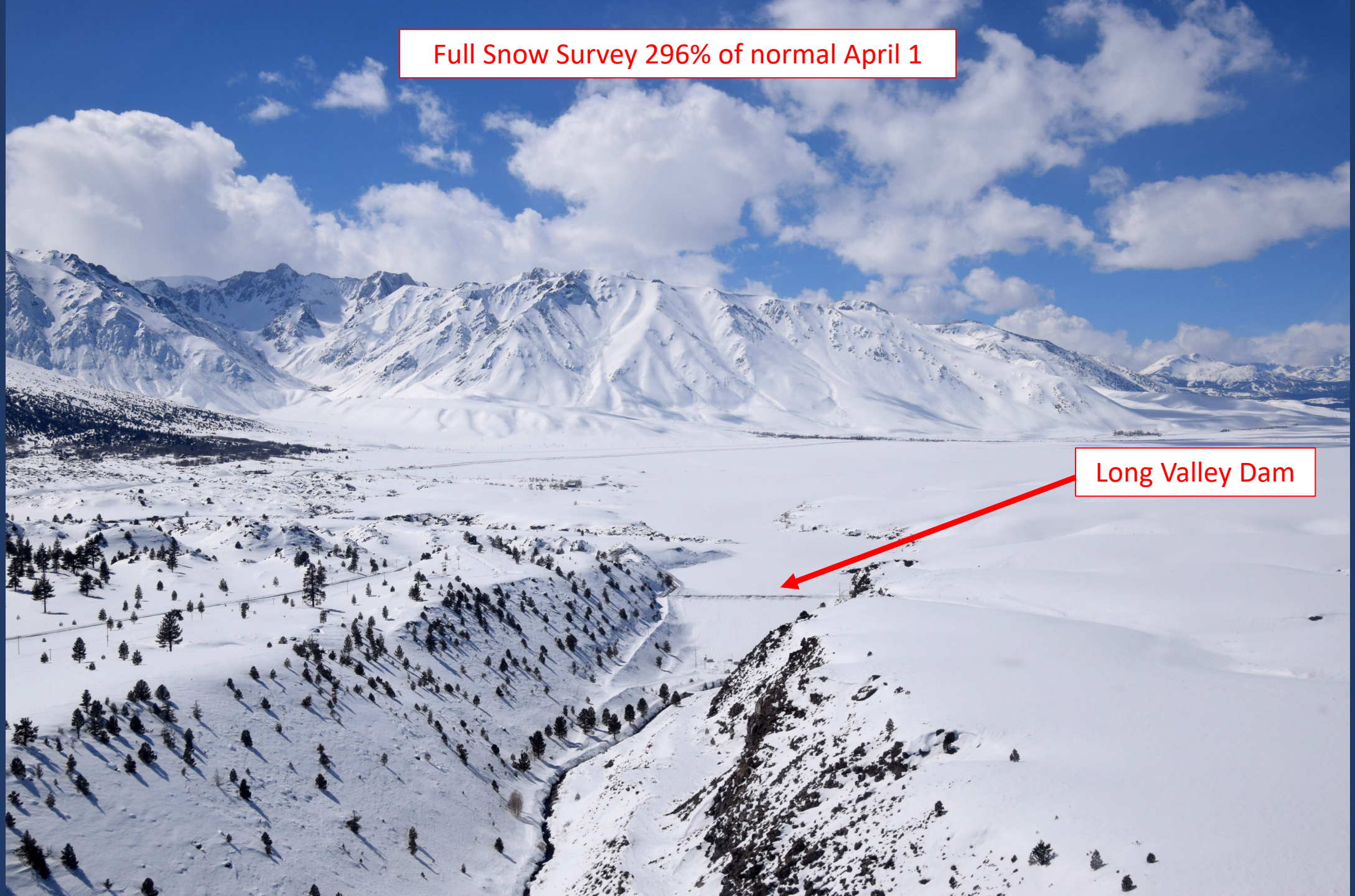
EASTERN SIERRA
CURRENT PRECIPITATION CONDITIONS
April 3, 2023





Full Snow Survey 296% of normal April 1

Long Valley Dam





Runoff has started arriving. Extensive water spreading operations are taking place:

PV to Tinemeha = 360 cfs

Tinemeha to Haiwee =
1300 cfs

Past LORP Pumpback
Station = 370 cfs

Haiwee to LA = 170 cfs

Pine Creek flume in mid-June...not yet to the peak...

Emergency Declaration

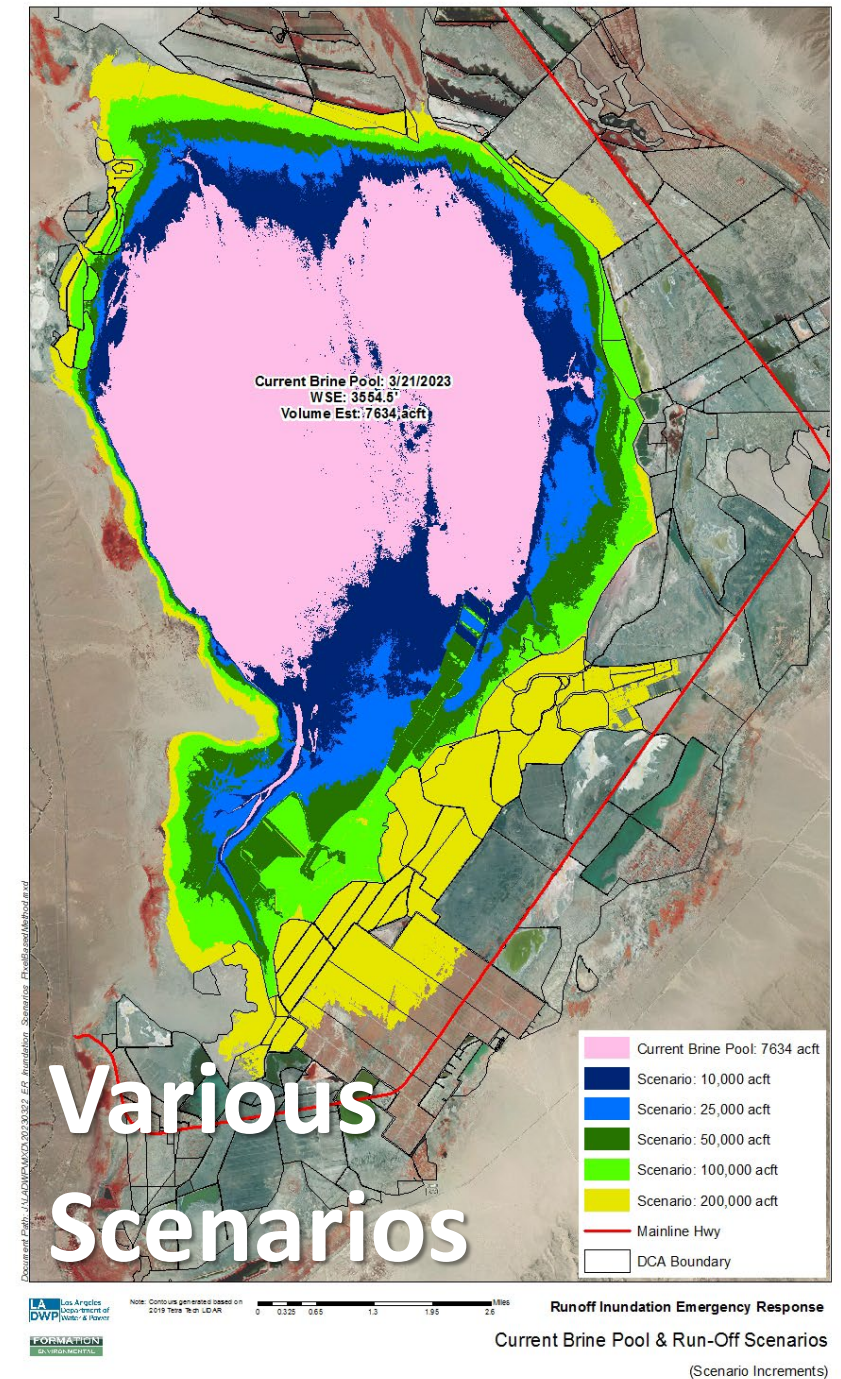
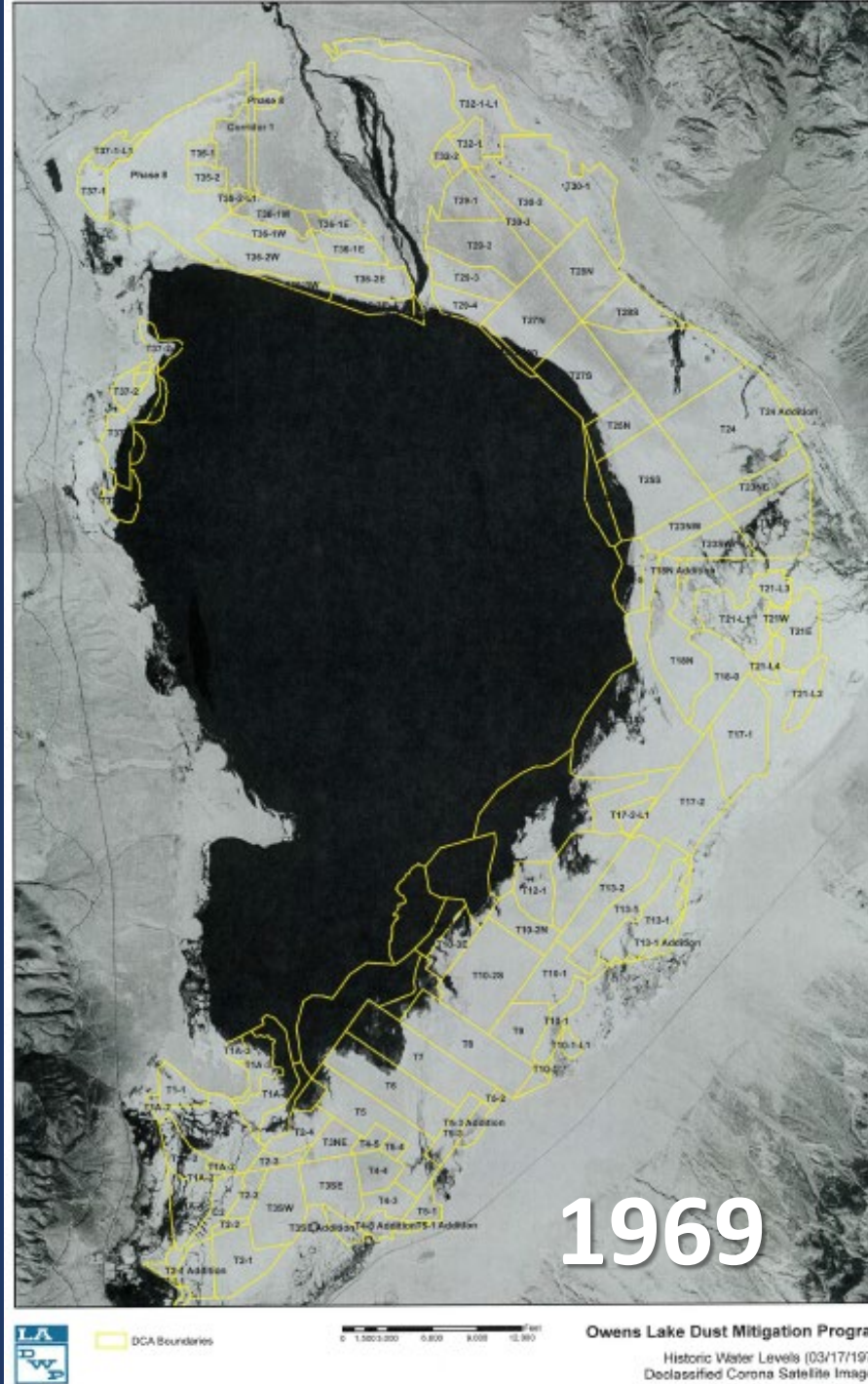
- A state of emergency was declared by Mayor Karen Bass on March 14, 2023, and City Council Adopted on April 21, 2023.
- Competitive bidding was suspended by City Council on April 21, 2023.
- Reports provided every 2 weeks.
- Extension required every 30 days.
 - Extended on May 16 and June 7.
- Temporarily suspending competitive bidding allows for expedited response to emergency runoff conditions.
- Preventative measures are underway as the runoff continues to increase through the summer months.
- New Contracts and Amending Existing Contracts for:
 - Construction services
 - Materials
 - Equipment Rentals
 - Professional Services
- Examples:
 - Tinemaha Siphons – Equipment Rental
 - Owens Lake – Construction Services

Tinemaha Siphons



Owens Lake: Early Projections

- 50 year events in 1969, 2017, 2019, 2023
- Approx. 10 to 15 square-miles may be inundated.
- Initial Capital cost \$20-\$30M/ square-mile
 - + Potential regulatory fines



On-Going Mitigation Measures

Protected Submains



De-energizing
Removing
Transformers



Rebuild
Access Roads

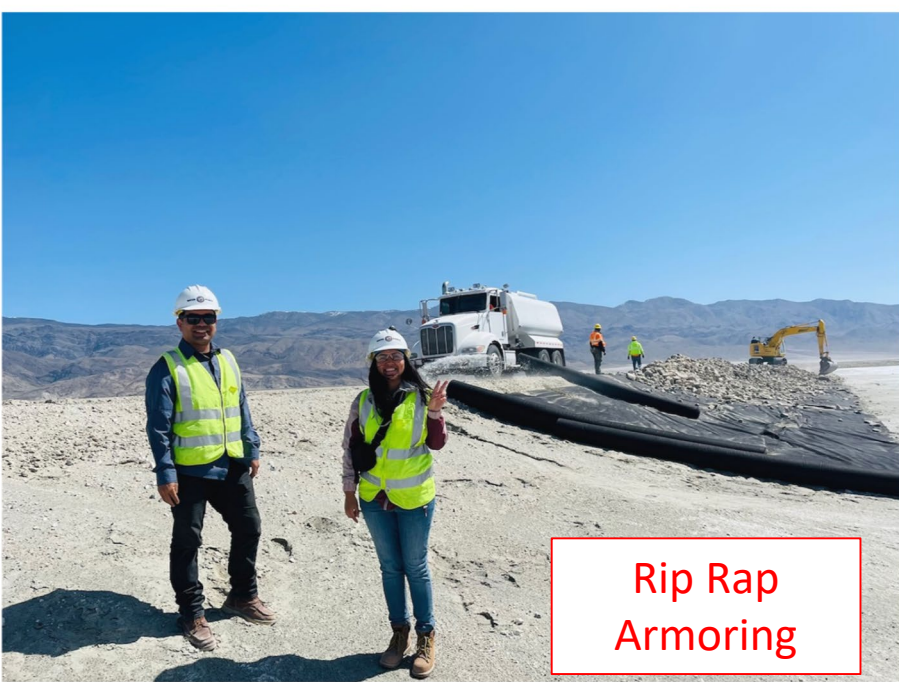


Protected 14.5
miles of berm
slopes with Rip Rap



Monitoring
and Modeling





Rip Rap
Armoring



Large Sand Bags

K-rail, sand bags, and
liner around Electrical
Equipment



New culverts



Repairing and
Raising Roads

QUESTIONS?