



February 28, 2024

2023 Los Angeles Aqueduct Water Management



Long Valley Dam

2023 April 1 snowpack was 296% (old record was 270% in 1969)



Water Supply by Year Types

2023-24

Year Type	Volume (Acre-Feet)
Dry	325 K
Normal	550 K
Wet	760 K
2023	1,000 K

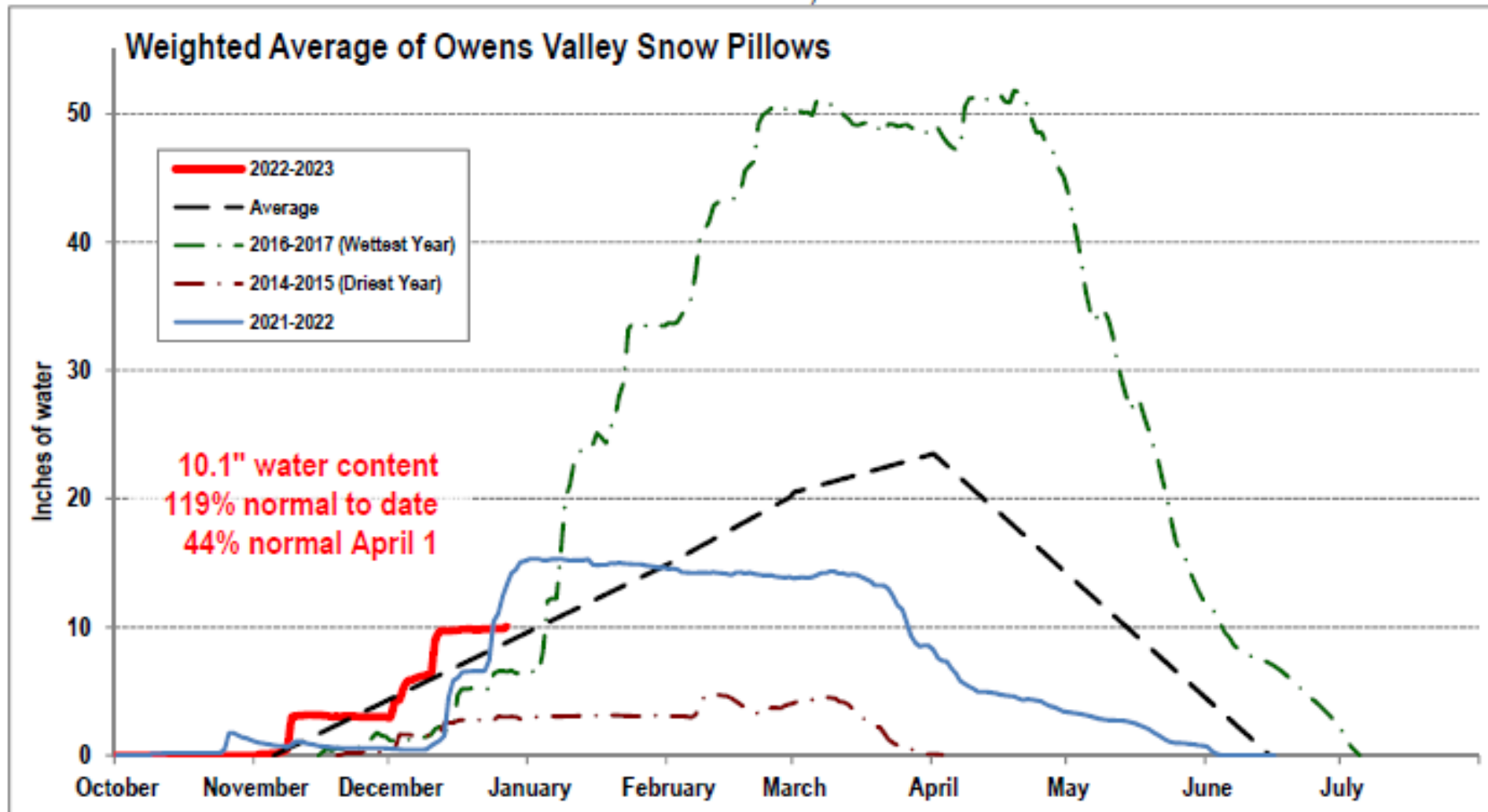
Where the water went...

2023-24

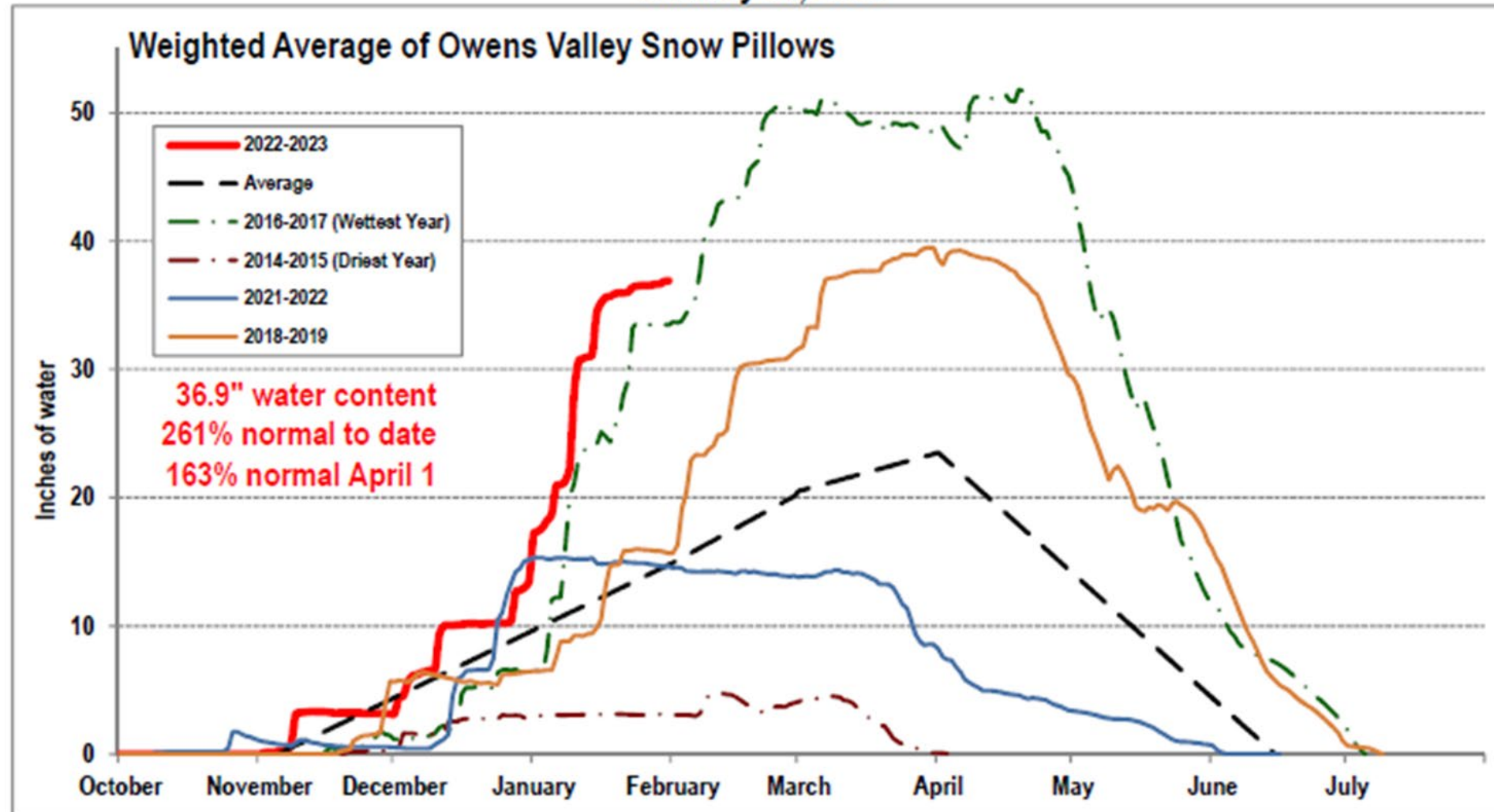
Use	Volume (Acre-Feet)
Los Angeles Aqueduct	350 K
Eastern Sierra obligations	170 K
Productive water spreading	210 K
Water added to reservoir storage	70 K
Water released outside of aqueduct system	40 K
Water released to Owens Lake brine pool	160 K

- Late snowfall left only a short time frame to prepare for runoff
- Rain-on-snow event in March damaged the Los Angeles Aqueduct and other infrastructure
- Permitting to spread water – CDFW, BLM, US Forest Service
- Reservoir challenges
 - Inflows exceeding outlet capacities – Tinemaha Dam, Long Valley Reservoir
- Tropical Storm Hilary

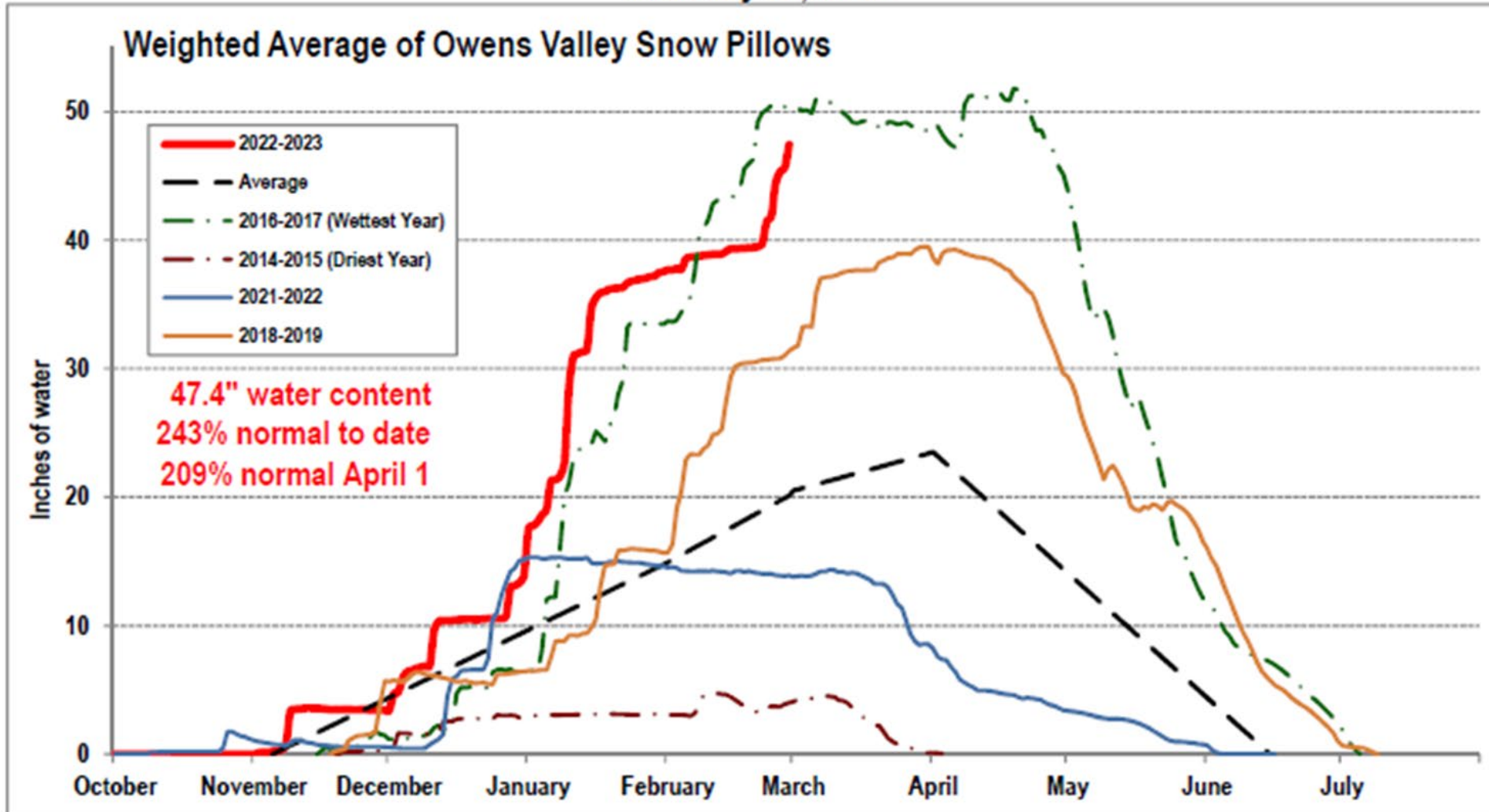
EASTERN SIERRA CURRENT PRECIPITATION CONDITIONS December 27, 2022



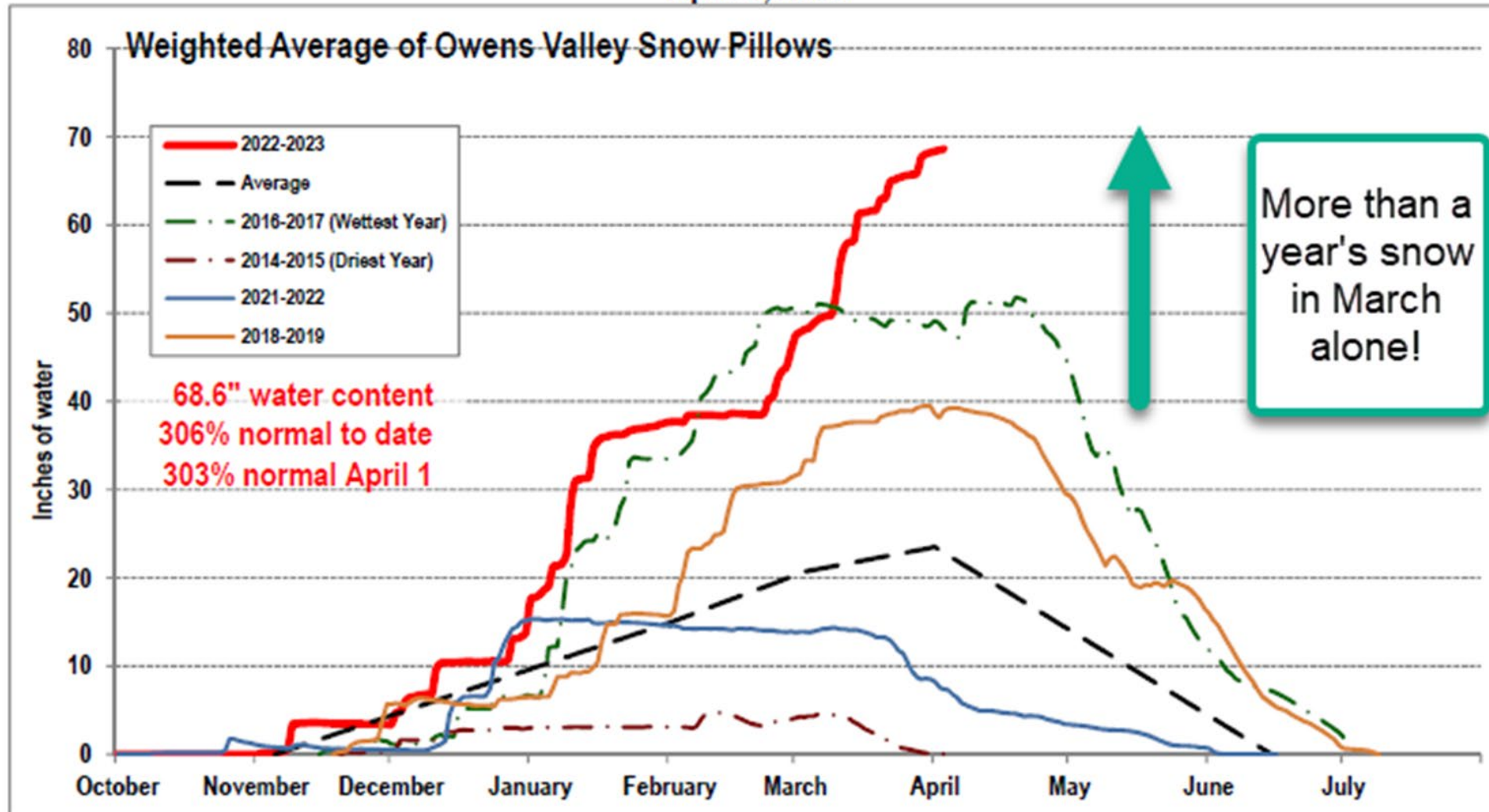
EASTERN SIERRA
CURRENT PRECIPITATION CONDITIONS
January 31, 2023



EASTERN SIERRA
CURRENT PRECIPITATION CONDITIONS
February 28, 2023

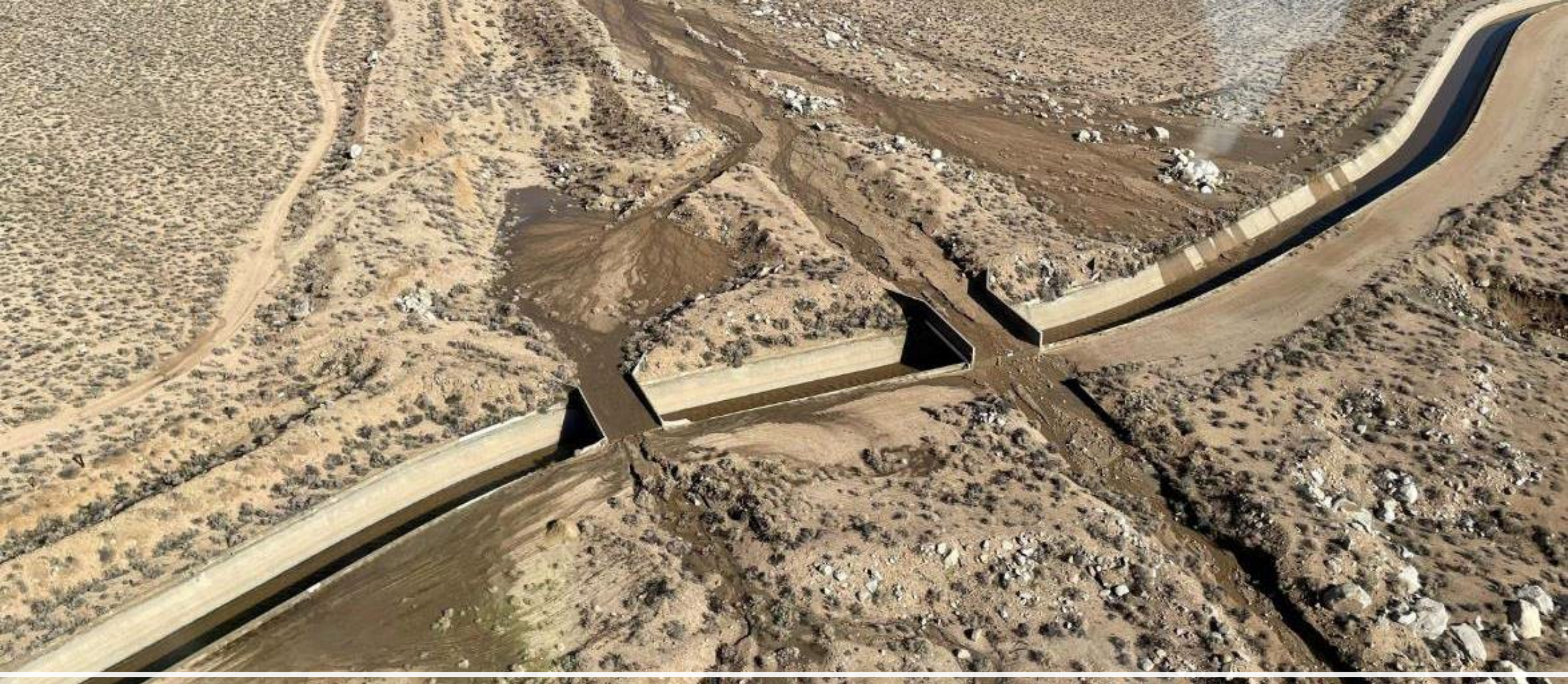


EASTERN SIERRA
CURRENT PRECIPITATION CONDITIONS
April 3, 2023





Aqueduct crews prepare for the impending runoff



Mudslides filling overheads and the Aqueduct



Roads



Flumes





Los Angeles Aqueduct – March 11

worked around
the clock

finished repair
on March 13





Aqueduct back in service March 18



Tinemaha Dam Siphons
Modification



Long Valley Dam Spillway
Modification

Preparations

2023-24

Tropical Storm Hilary



Whitney Portal Road



Division Creek



Where the water went...

2023-24

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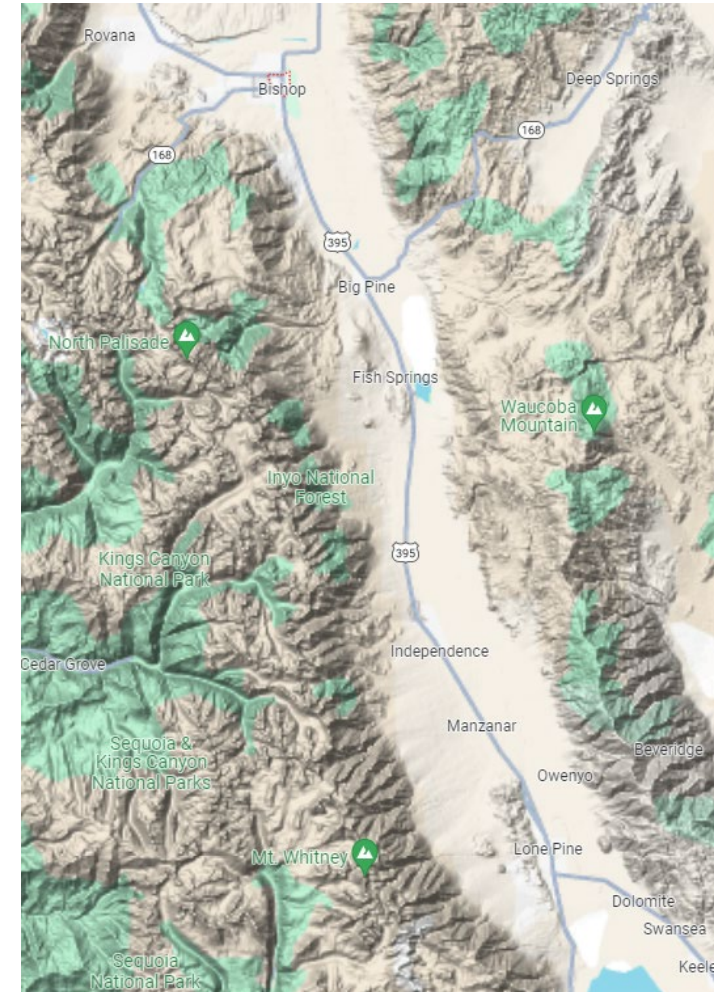
“Productive” Water spreading throughout the Owens Valley



Groundwater Level Rise

2023-24

- “Productive Spreading” mainly occurs in the Owens Valley.
- LADWP has pumping wells located in the Owens Valley to pump water for aqueduct supply.
- In wet years, the groundwater are restored through spreading.
- Between April 1, 2023, and February 1, 2024, the groundwater levels rose an average of 3.2 feet within the well field areas (covering approximately 200,000 acres).



Water released to Owens Lake brine pool



Water “left on the table”

2023-24

A total of approximately 200,000 acre-feet was released to the Owens Lake Brine Pool and released outside of the aqueduct system – water not put to beneficial use.