

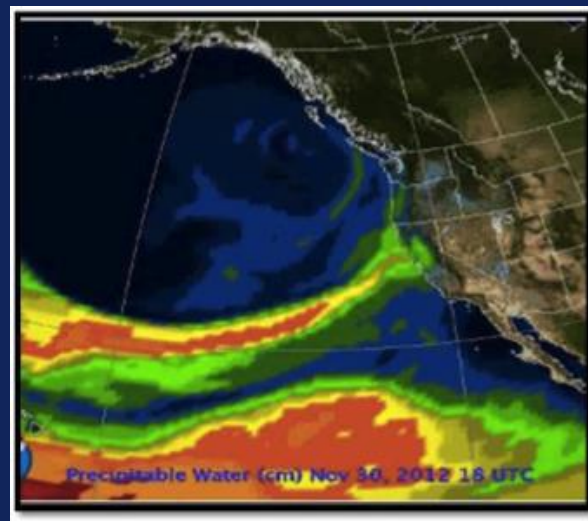


Sonoma
Water

Russian River Forecast Informed Reservoir Operations

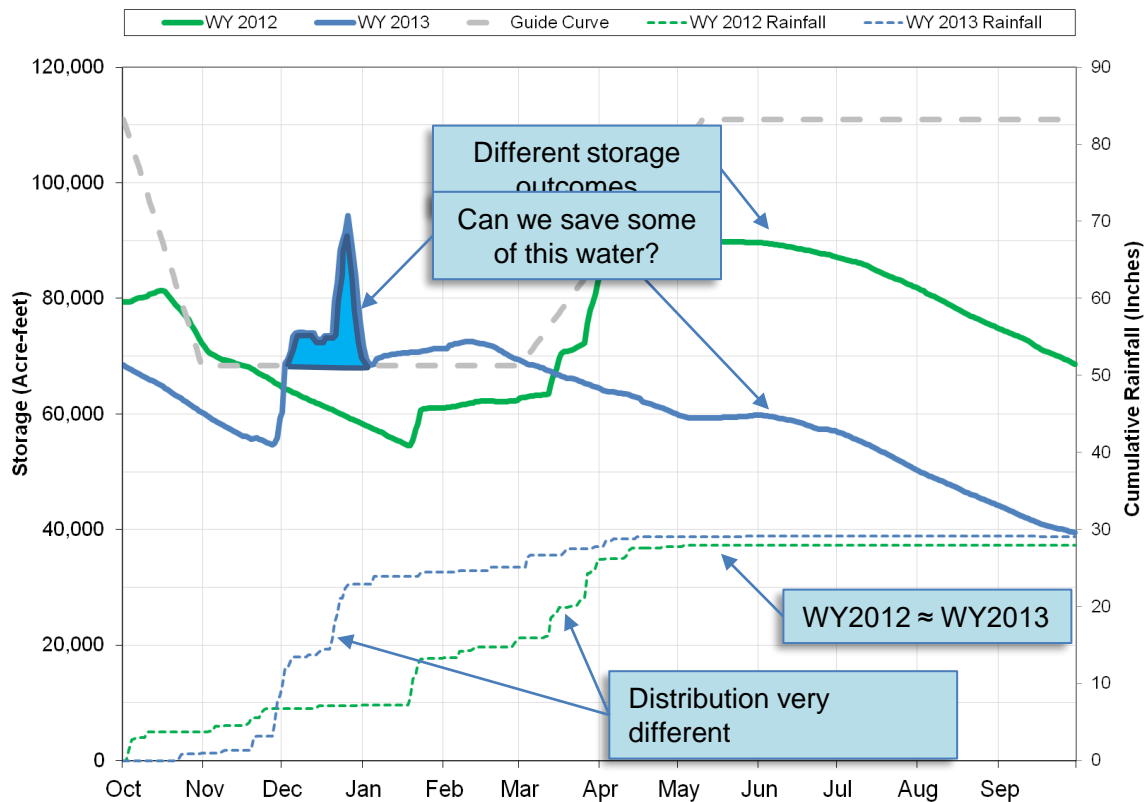
Don Seymour, P.E.
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Lake Mendocino Guide Curve

Lake Mendocino Storage Water Years 2012 & 2013



Lake Mendocino FIRO Demonstration Project – A Collaborative Effort

Broad coalition of federal, state, & regional agencies comprised of scientists & water managers

Steering Committee:

Federal: NOAA (OAR, NWS, NMFS), USGS, Army Corps of Engineers & Bureau of Reclamation

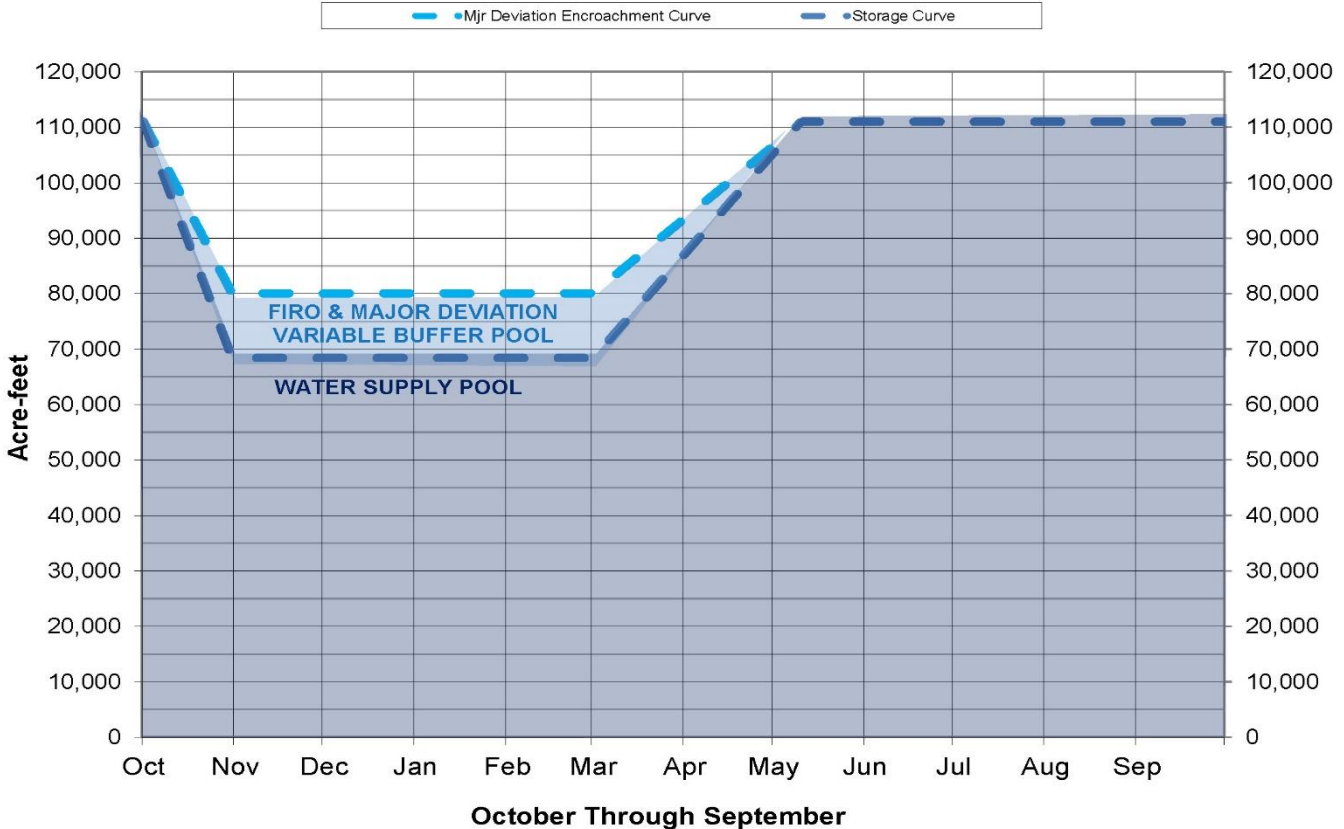
State: California Department of Water Resources & Scripps Center for Western Weather & Water Extremes

Regional: Sonoma County Water Agency

Partnerships: NOAA Habitat Blueprint

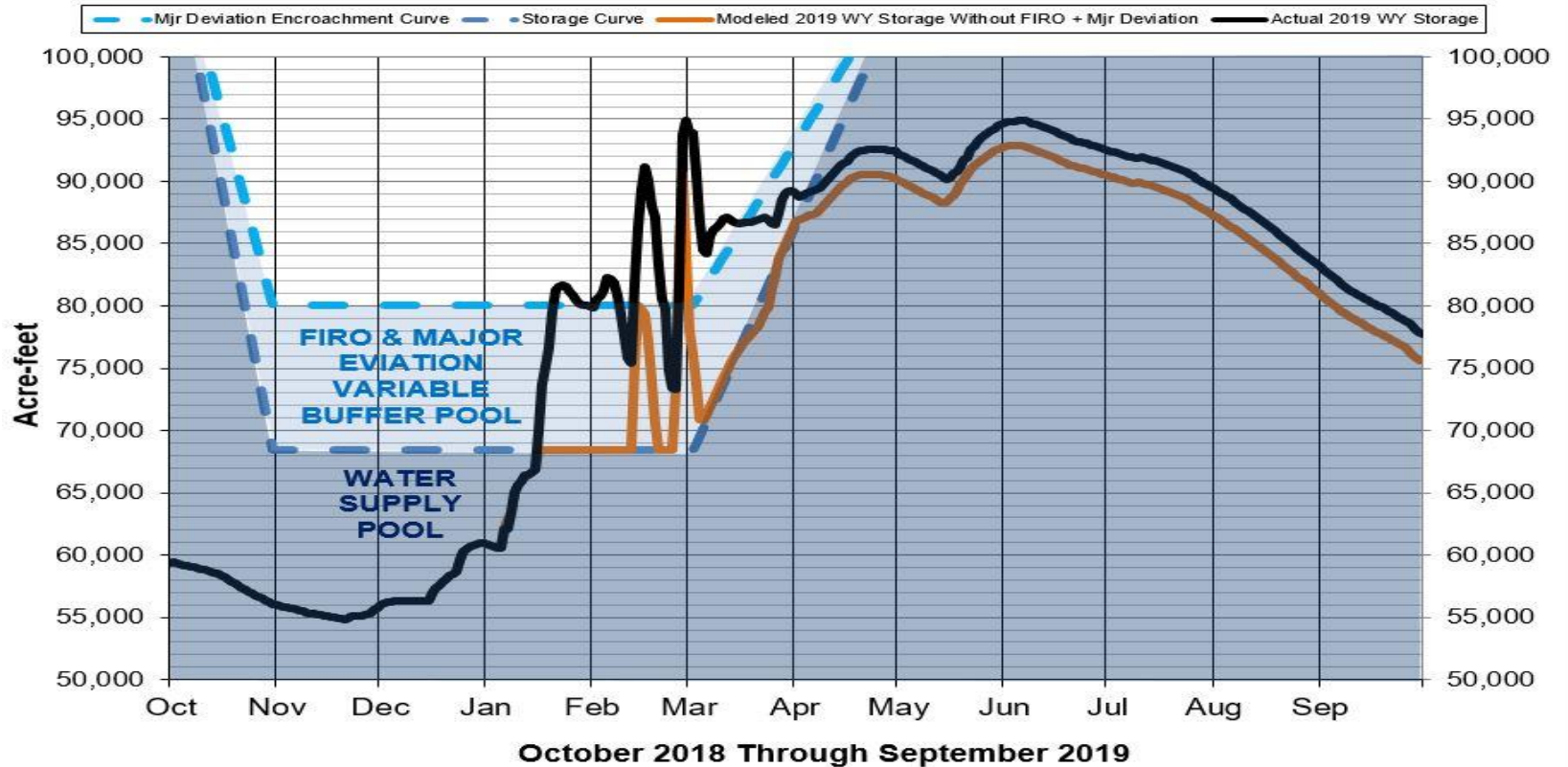


Lake Mendocino Storage



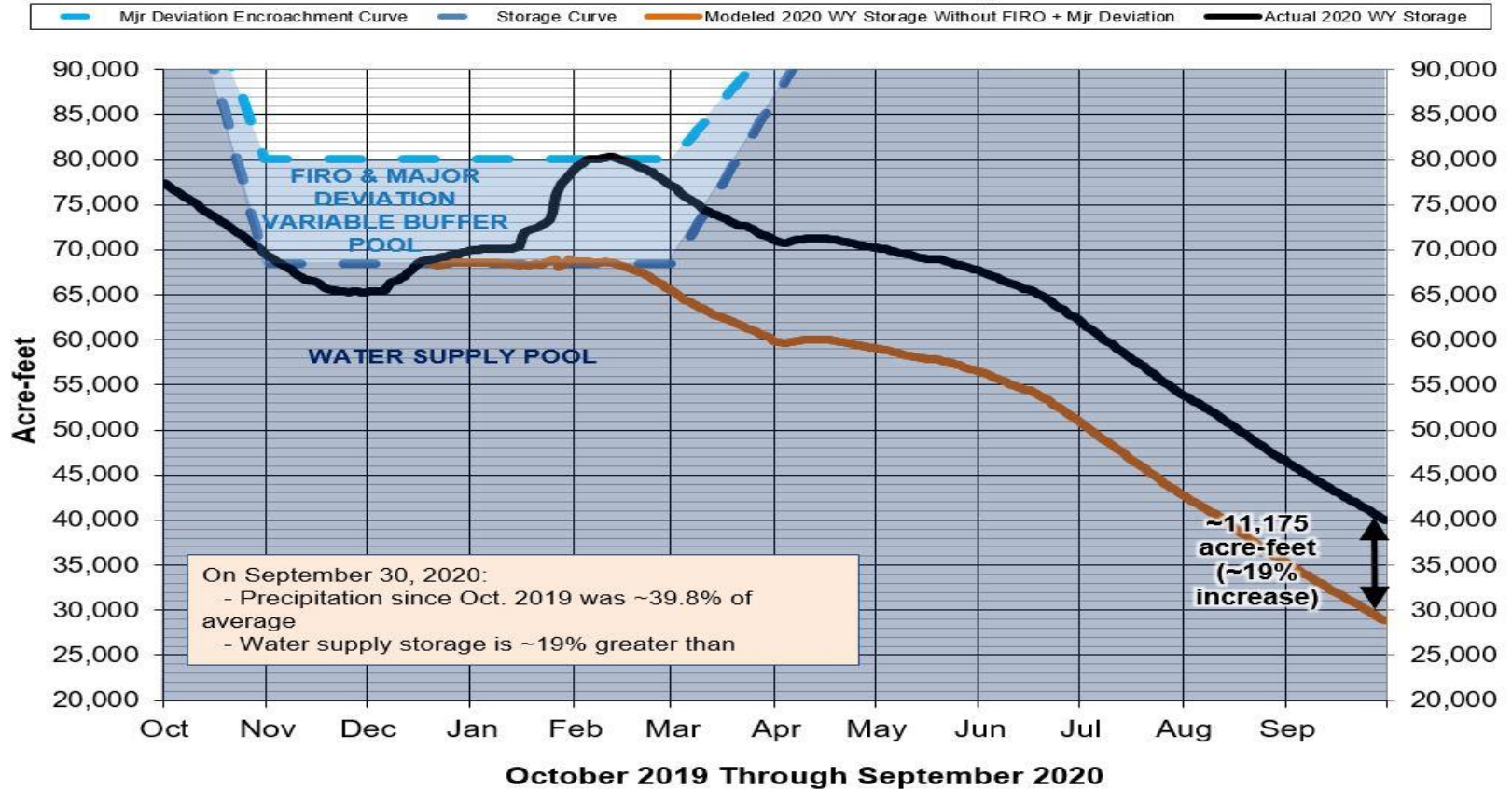
2019 Lake Mendocino Planned Deviation

Lake Mendocino Storage

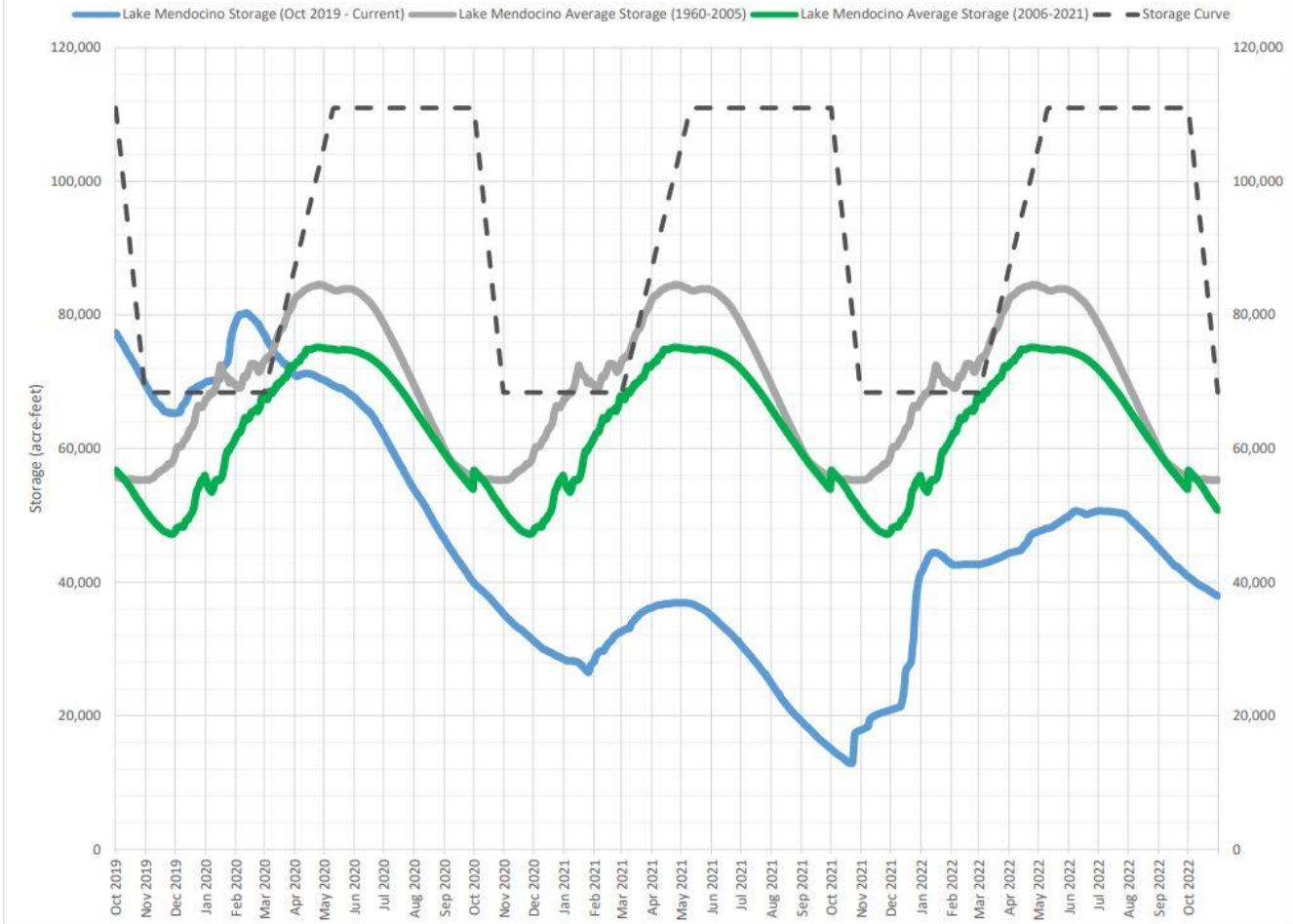


2020 Lake Mendocino Planned Deviation

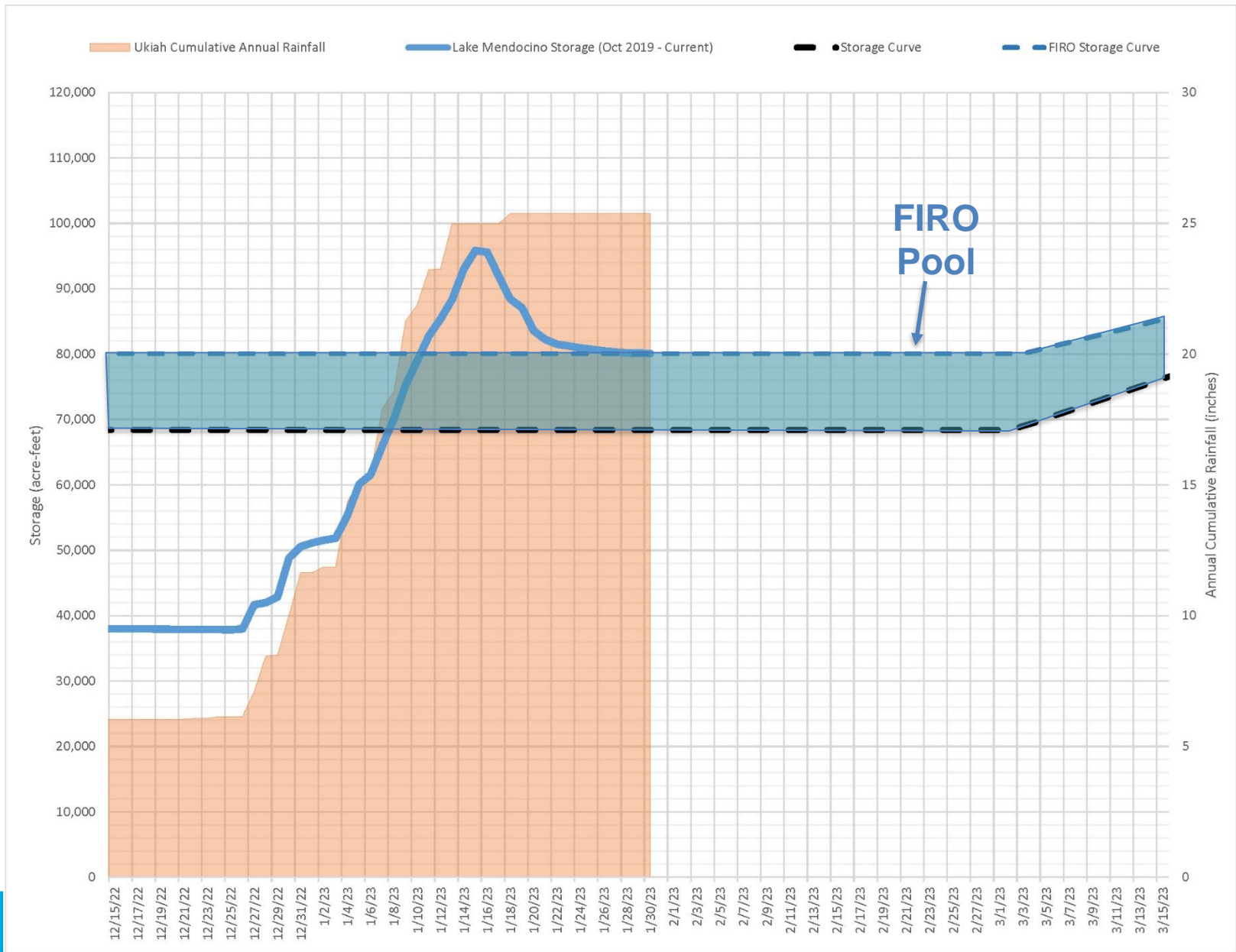
Lake Mendocino Storage



Lake Mendocino Storage



Lake Mendocino Storage Dec 15, 2022 – March 15, 2023



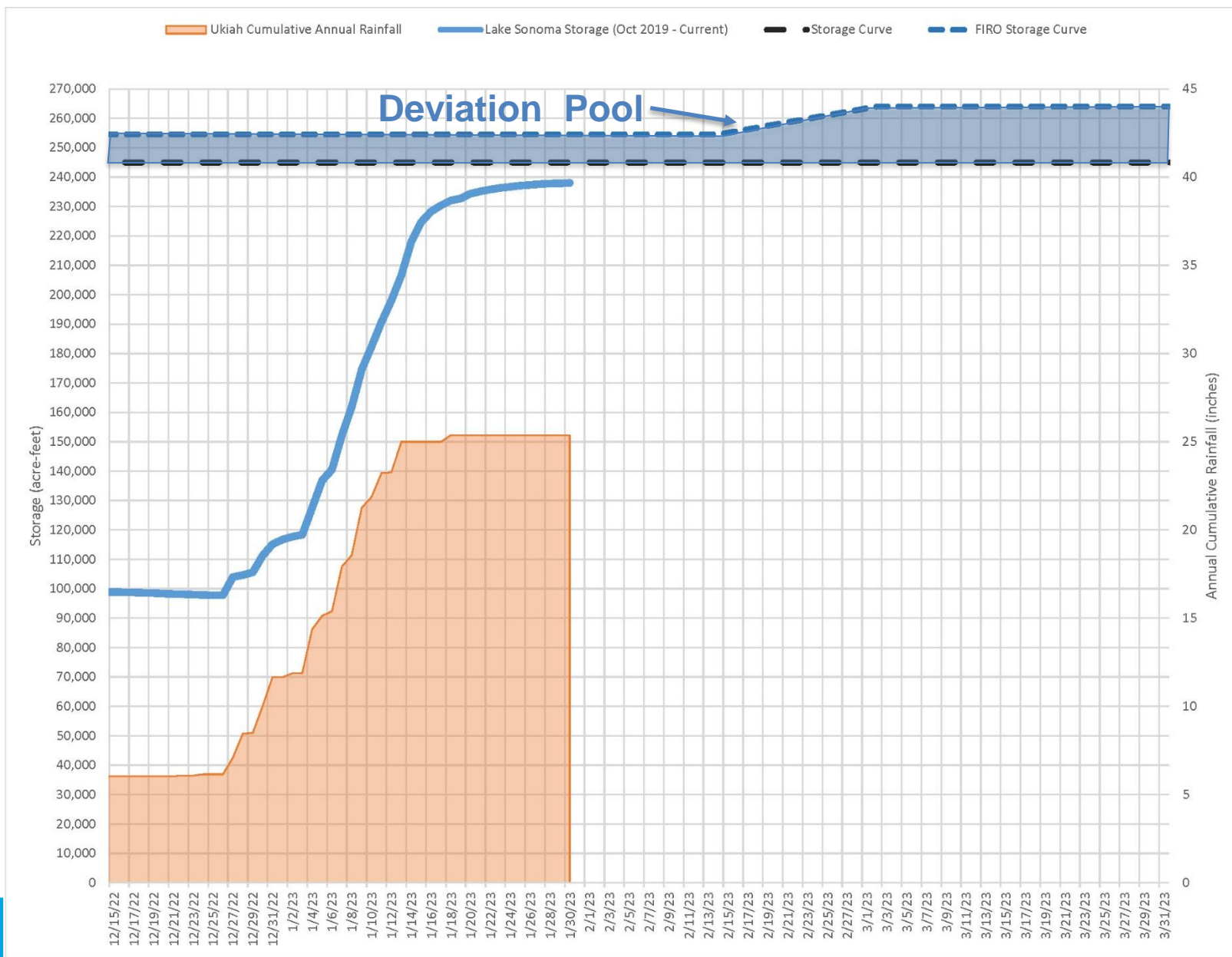
Status of Russian River FIRO Activities

Lake Mendocino (Coyote Valley Dam)

- Final Viability Assessment (FVA) Published February 2021
- Operational Testing Through Major Planned Deviations to the WCM
- FVA Establishes a Pathway for Updating the WCM
- FVA Recommendation - Include FIRO Pool with Modified Hybrid EFO Model
- Allows Pre-Releases into the Water Supply Pool Following Consultation with Sonoma Water
- Army Corps has Initiated WCM Update with Support from HDR
- Draft Update Anticipated Spring 2023
- Final Update Anticipated December 2023



Lake Sonoma Storage Dec 15, 2022 – March 15, 2023



Status of Russian River FIRO Activities

Lake Sonoma (Warm Springs Dam)

- Workplan to Evaluate Viability of FIRO Completed March 2022
- Workplan Implementation is Anticipated to be Completed by the spring of 2024
- Two Configurations for WSD will be Evaluated:
 - ✓ Existing Configuration; and
 - ✓ Second Outlet to Release Water Upstream of Dry Creek.
- Additional Considerations:
 - ✓ Dry Creek Ecosystem Restoration
 - ✓ Warm Springs Dam Fish Hatchery Water Temperatures; and
 - ✓ Coordination with Coyote Valley Dam Operations





Sonoma
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Questions ?

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