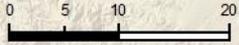


# Forecast Informed Reservoir Operations At Prado Dam

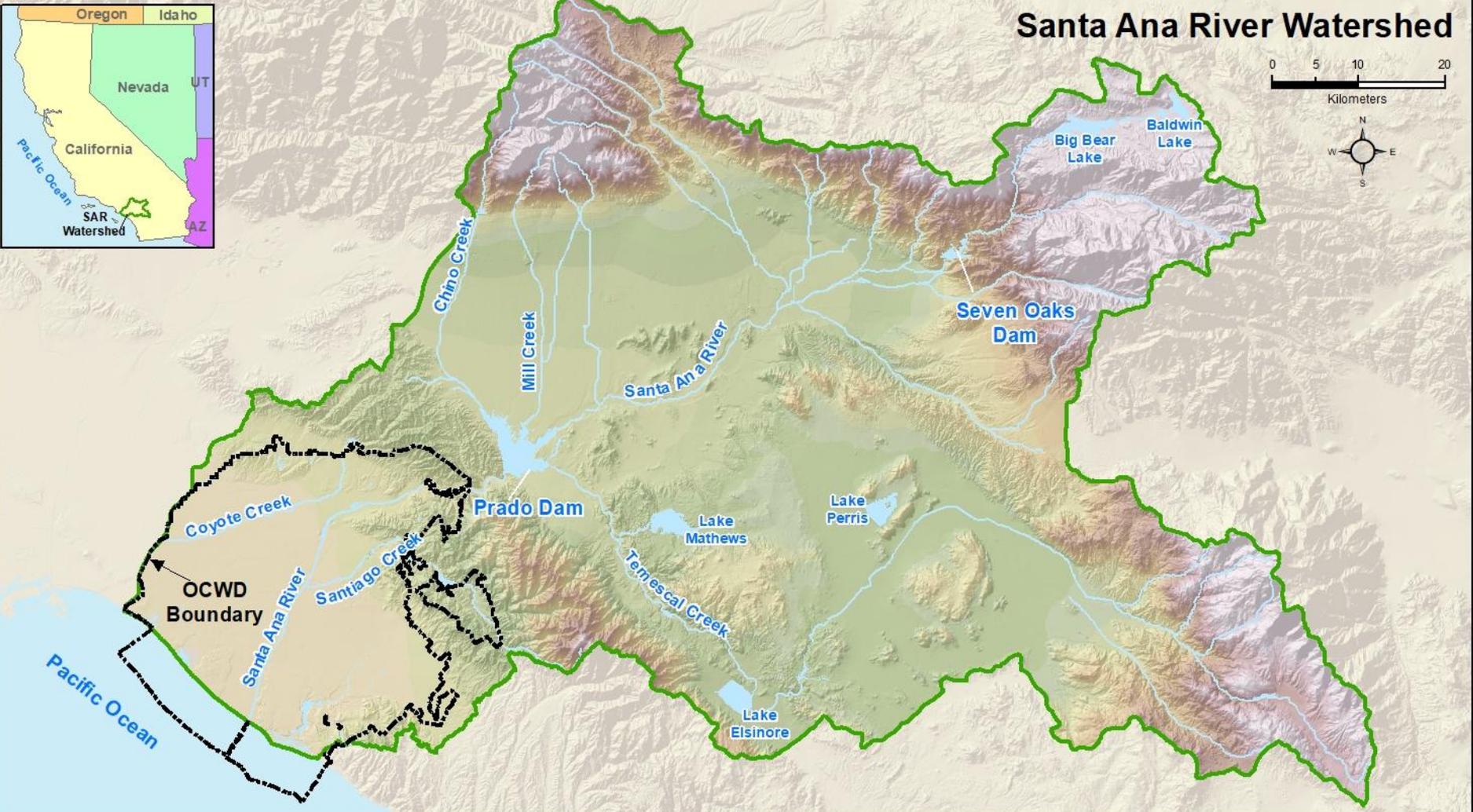
Greg D. Woodside, CHg, PG  
Executive Director of Planning & Natural Resources  
Orange County Water District

August 2, 2022

# Santa Ana River Watershed



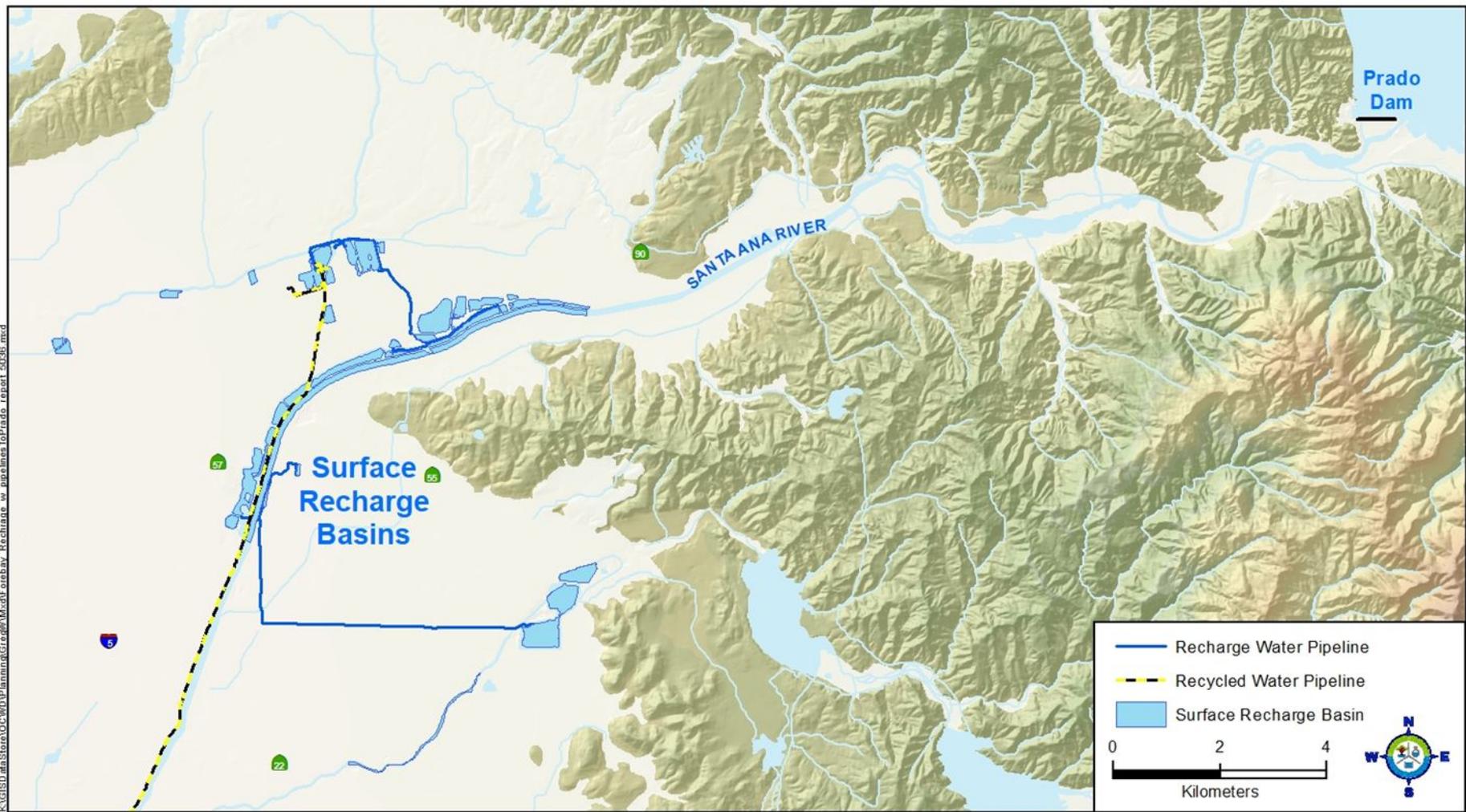
Kilometers





Army Corps of Engineers & OCWD have long-standing Partnership in Prado Dam

FIRO will expand our existing stormwater capture & recharge program



# FIRO Steering Committee facilitates collaboration and provides direction

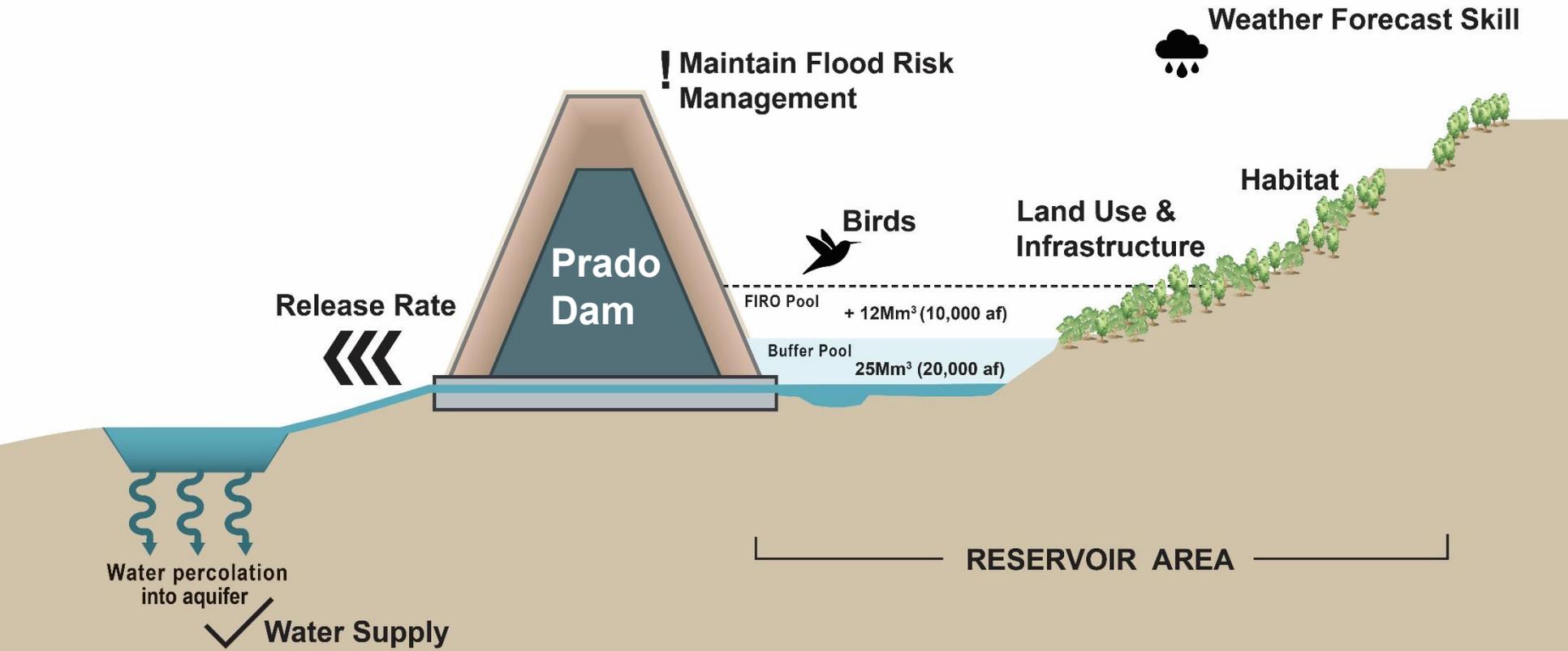
Includes staff from:

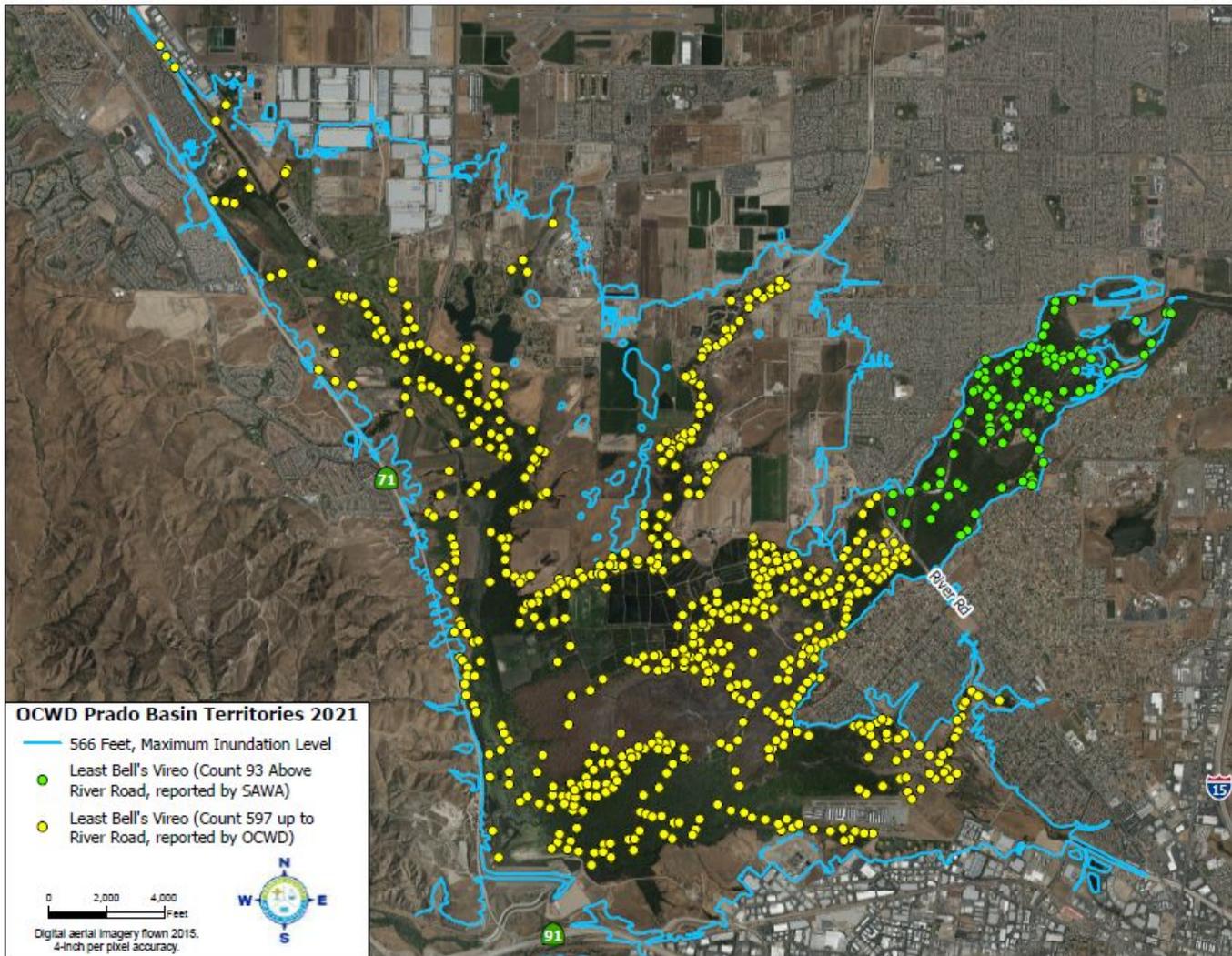
- USACE
- Scripps (UC San Diego)
- OCWD
- CA-Nev RFC
- CA DWR
- Orange County PW
- Sonoma Water
- USFWS

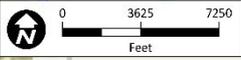
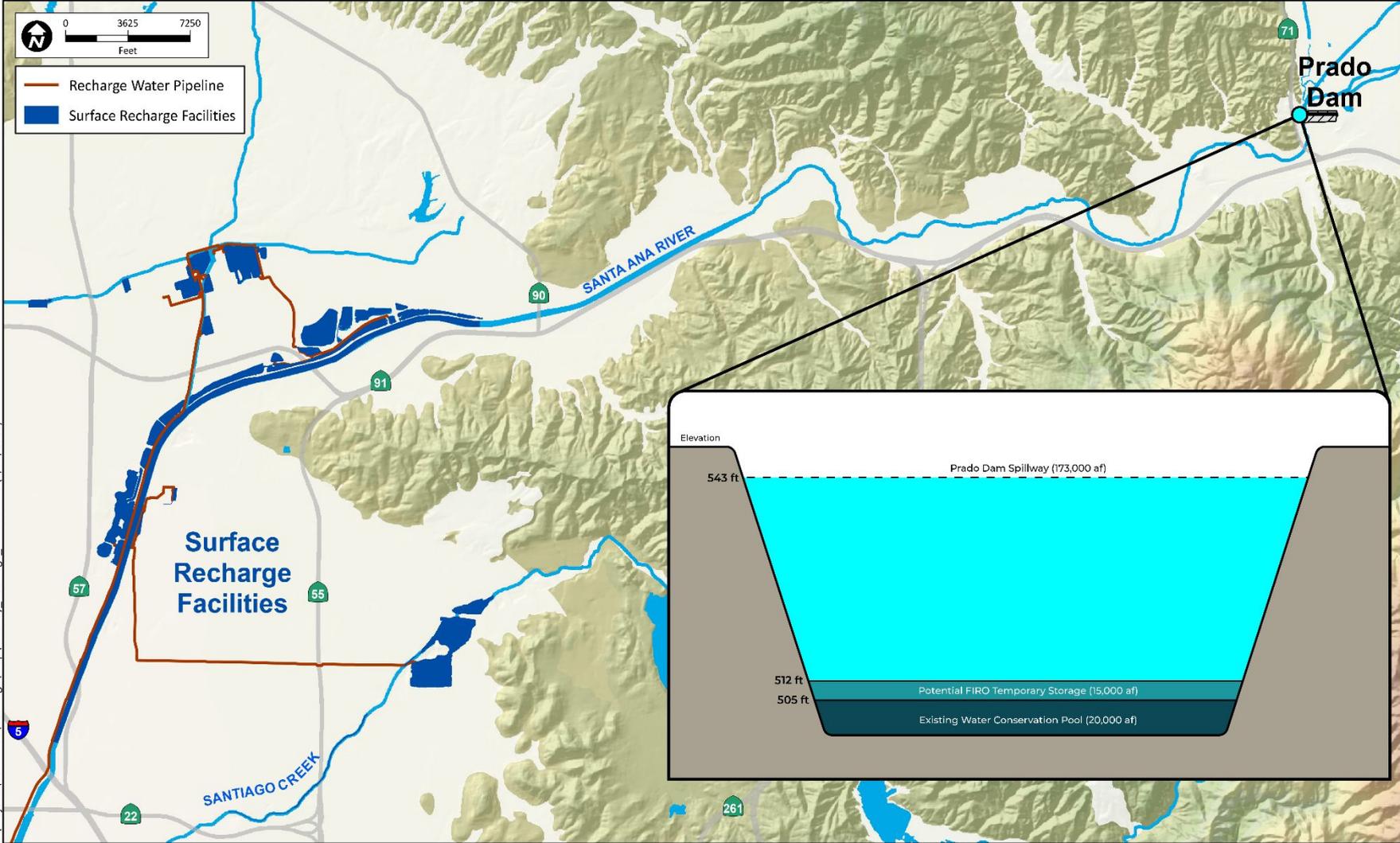




May 25, 2022  
meeting in  
USACE  
LA District  
Reservoir  
Operations  
Center







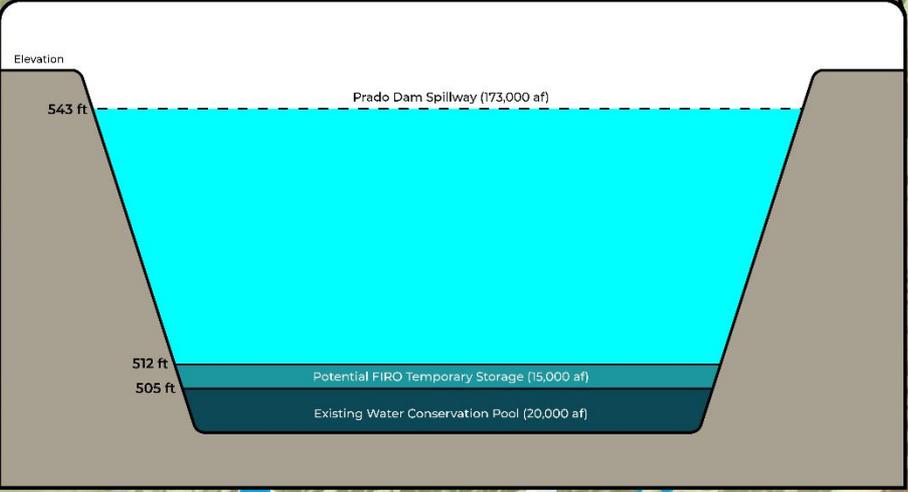
- Recharge Water Pipeline
- Surface Recharge Facilities

Prado Dam

SANTA ANA RIVER

Surface Recharge Facilities

SANTIAGO CREEK



# Key Preliminary Viability Assessment Findings

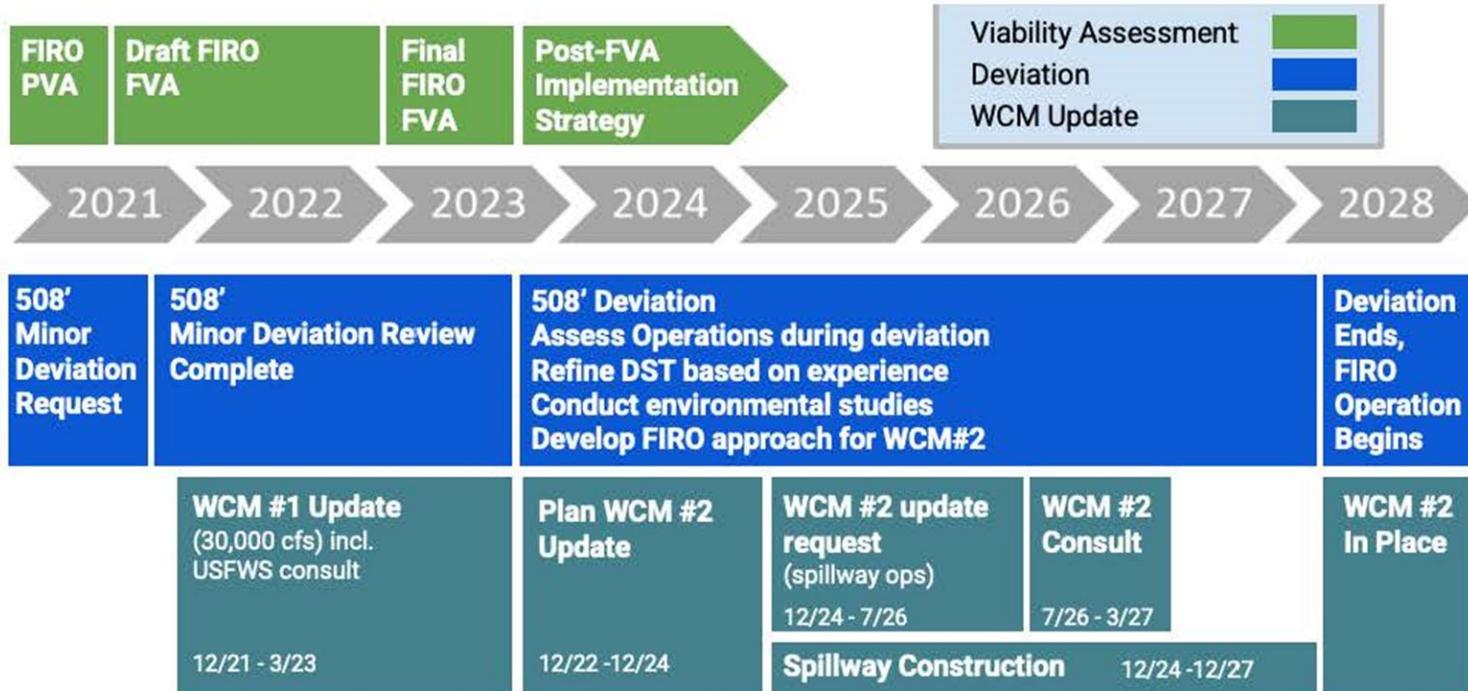
- FIRO is viable at Prado Dam, subject to completing additional studies.
- Five operational strategies were simulated, including holding water at elevations 508 and 512 ft
- Model showed that as much as 25,000 acre-feet of additional stormwater could be captured in a single year with an average of up to 7,000 acre-feet per year, without impacting and perhaps enhancing flood risk management
- Progress has been made to improve Atmospheric River (AR) forecasts and AR tools.



# OCWD and Steering Committee requested Minor Deviation

- Test FIRO in tandem with raising water conservation buffer pool up to 508 feet
- Propose 5-year term
  - Five years requested given low frequency of large storm events to test FIRO
- OCWD approved funding for USACE staff time to process the deviation

# Prado FIRO Timeline



Start of Deviation Contingent on WCM Update