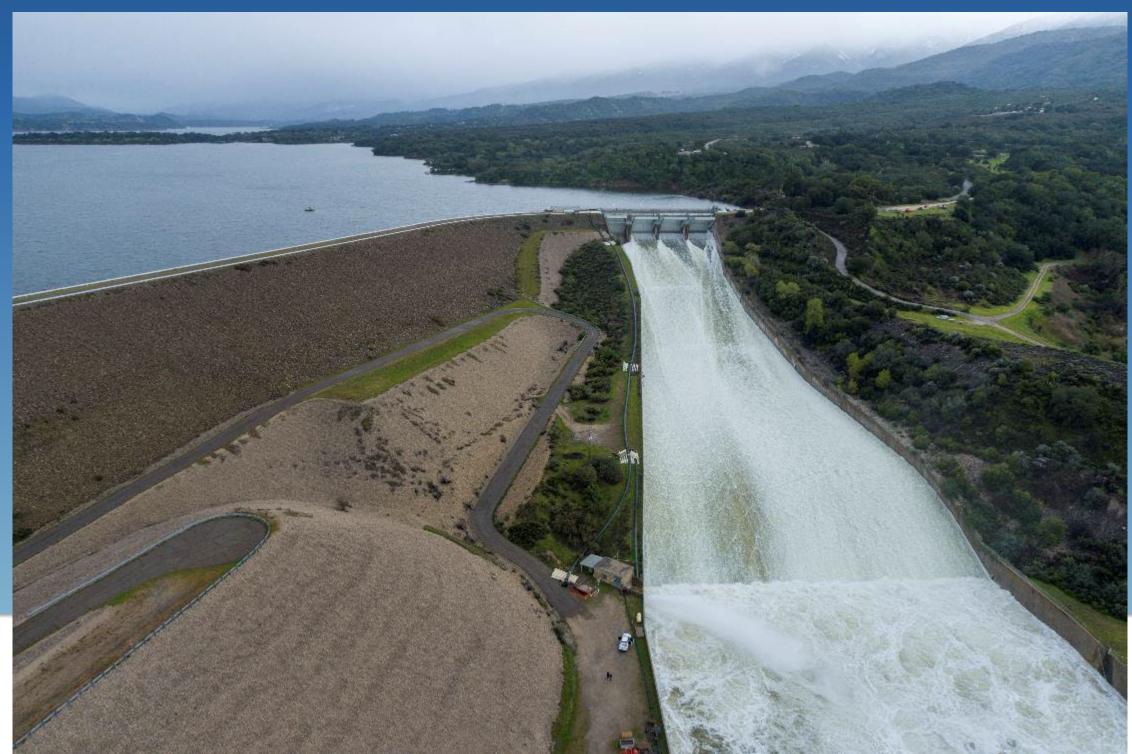
2024 Santa Barbara County Water Supply Update



October 15, 2024

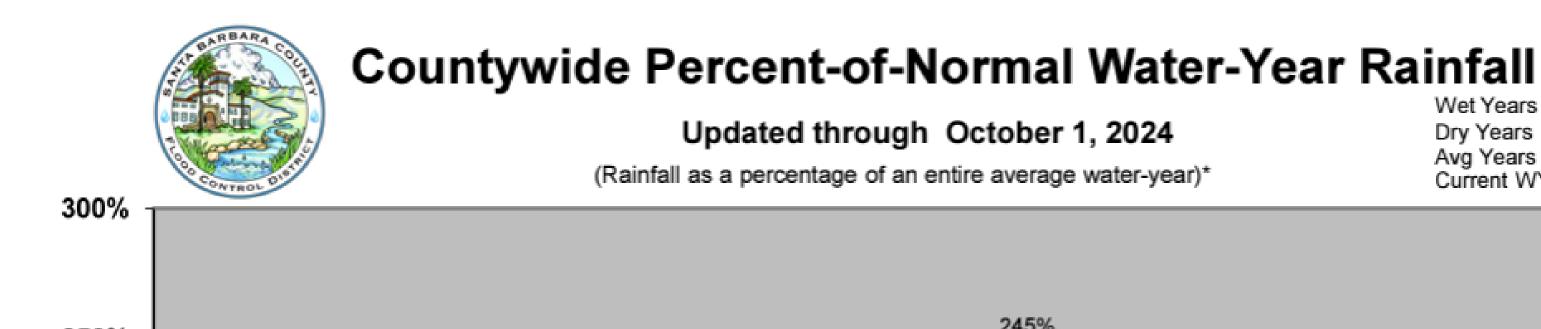
Matt Young Santa Barbara County Water Agency

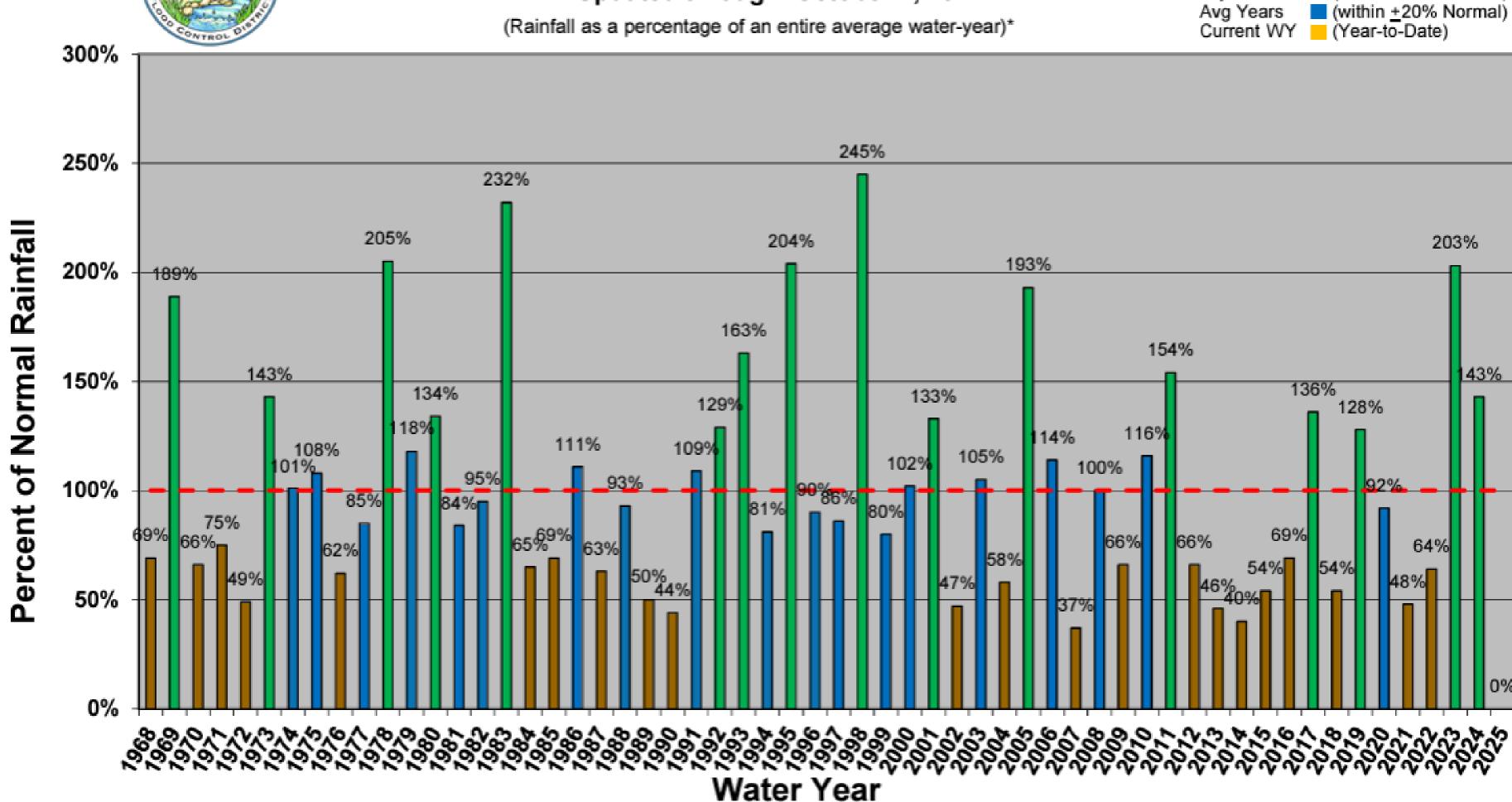


Historical Rainfall Record

(>120% Normal Rain)

(< 80% Normal Rain)</p>

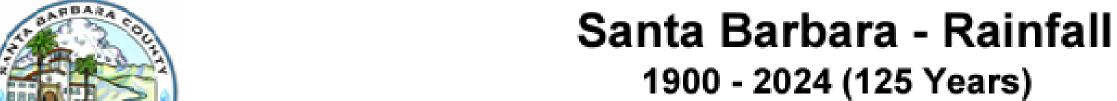


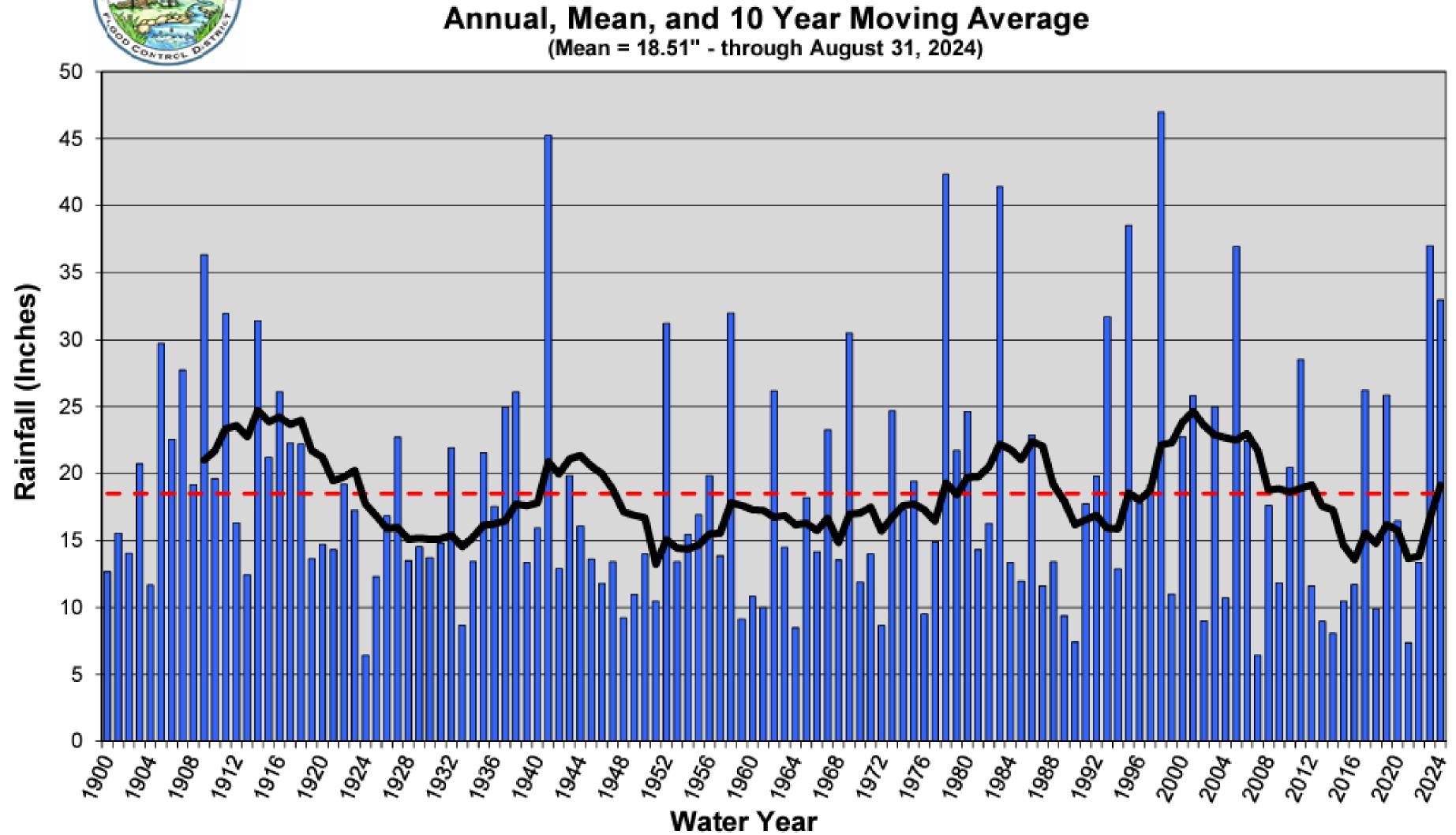


^{*} Based on 14 Countywide Primary Rain Gauge Sites

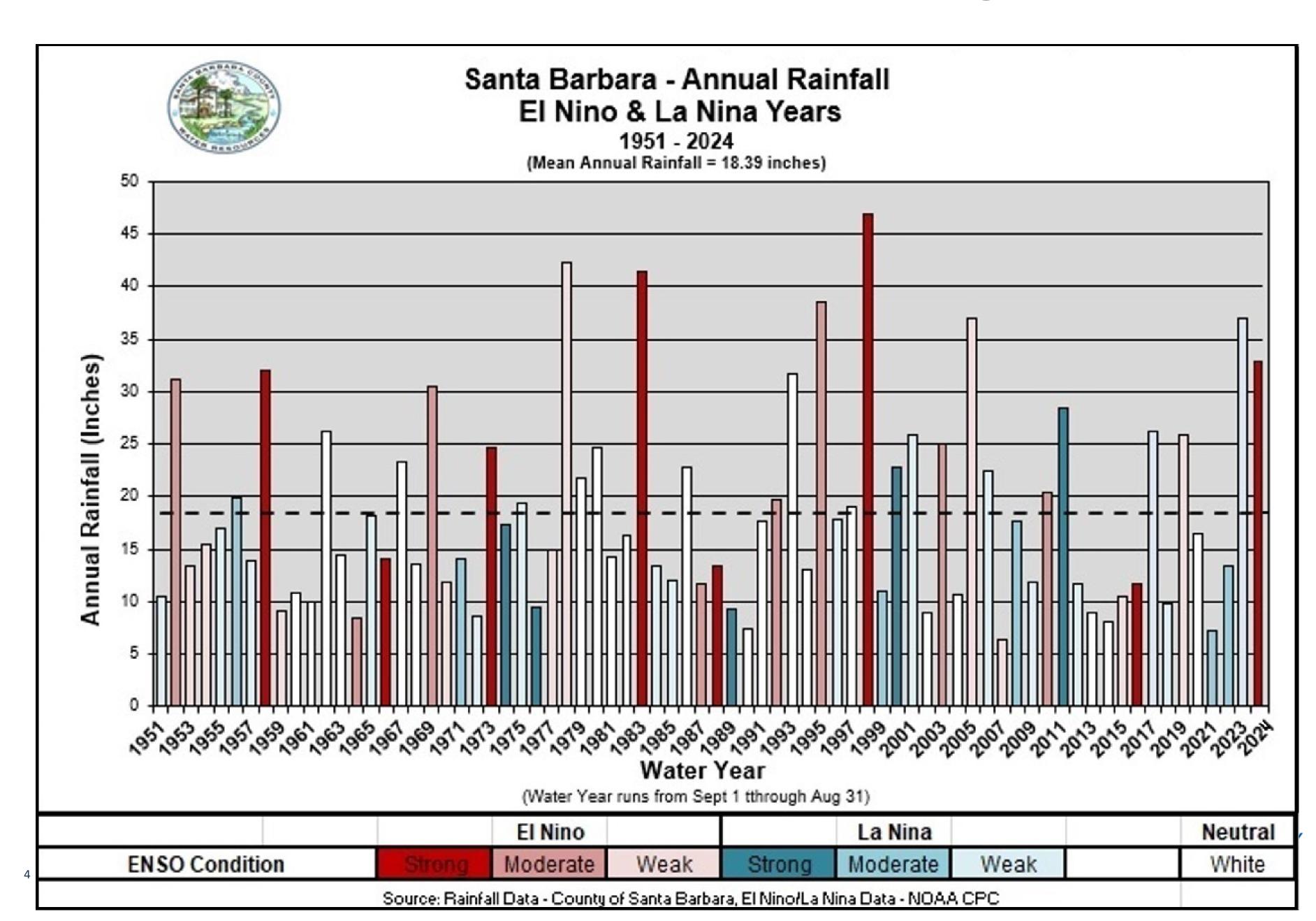
(Water-Year starts Sept 1 and ends Aug 31)

Historical Rainfall Record



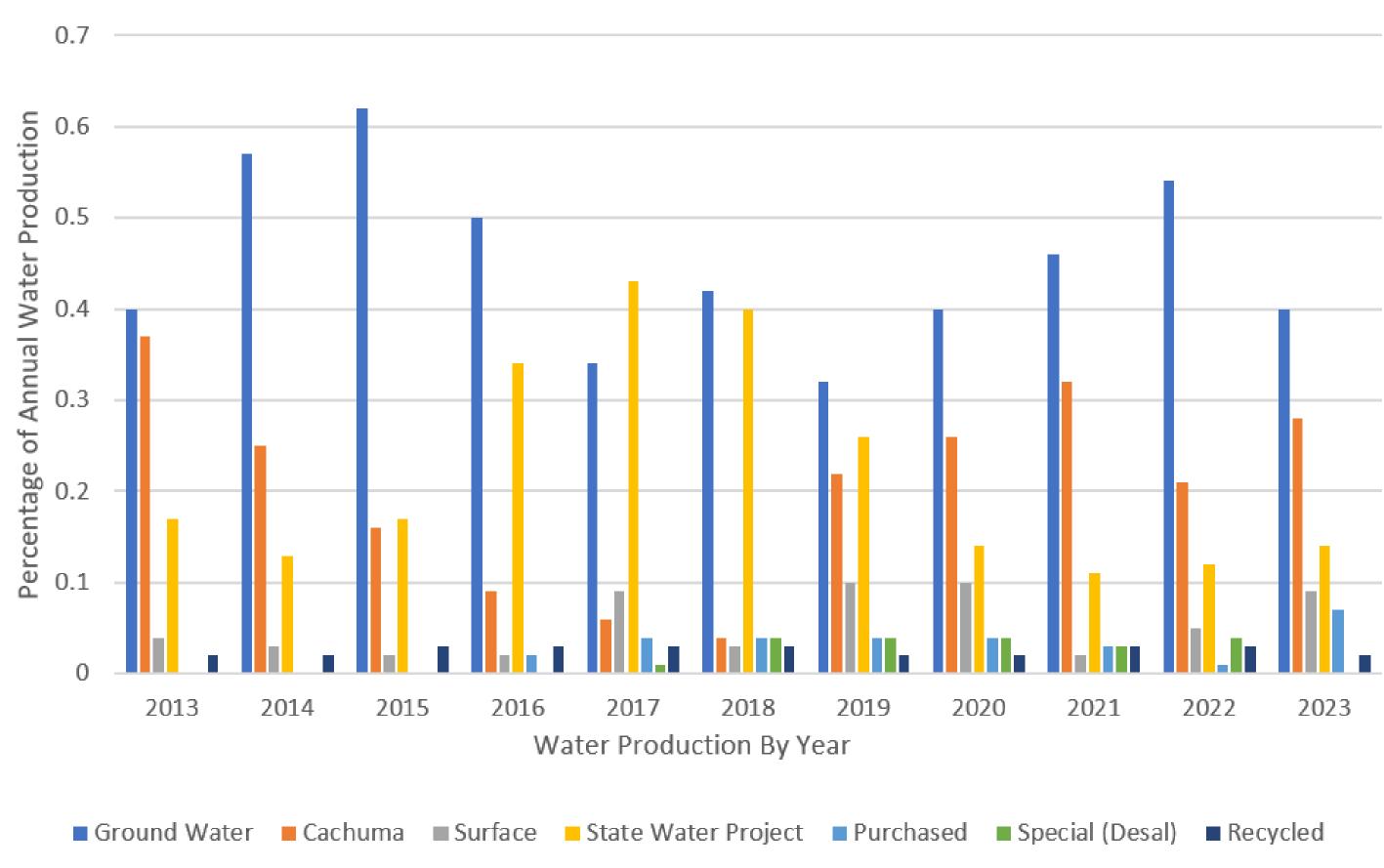


Water Year 2025, What will La Niña Bring?



Countywide Public Water Systems Water Supply Portfolio 2013-2024

SANTA BARBARA COUNTY WATER PRODUCTION 2013-2023

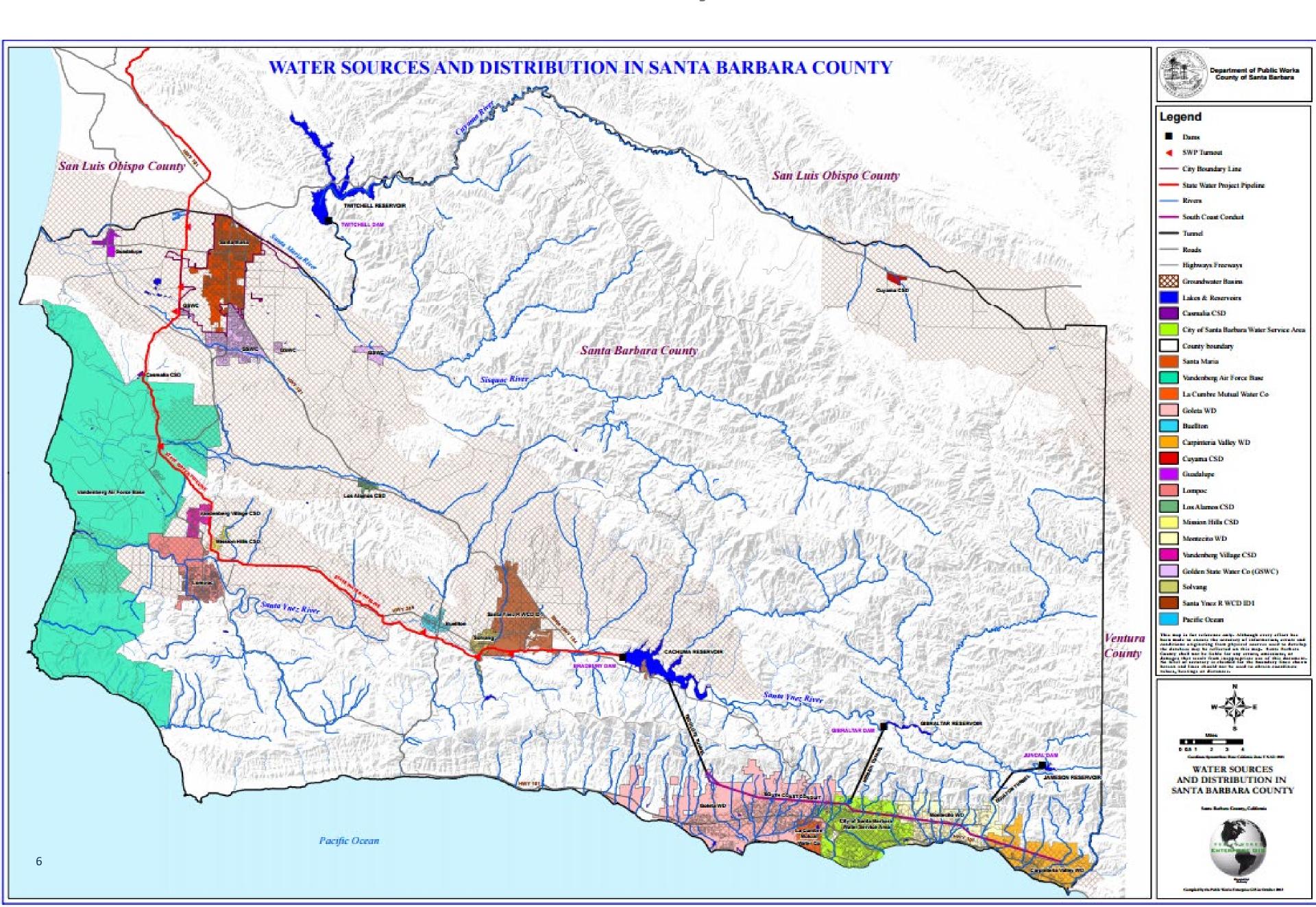


Statewide Drought Emergency Declaration:

- 2014-2017
- 2020-2023



Water Purveyors



Groundwater

- Largest water source in the County;
 ~80% including agriculture
- Sustainable Groundwater Management Act (SGMA)
 - –GSAs beginning to actively manage groundwater
- Portions of most basins were at or near historical lows prior to 2023/24
- Most basins showing signs of recovery, especially near rivers and streams
- Details by basin in 2024 Groundwater
 Basins Summary Report



Santa Barbara County 2024 Groundwater Basins Summary Report

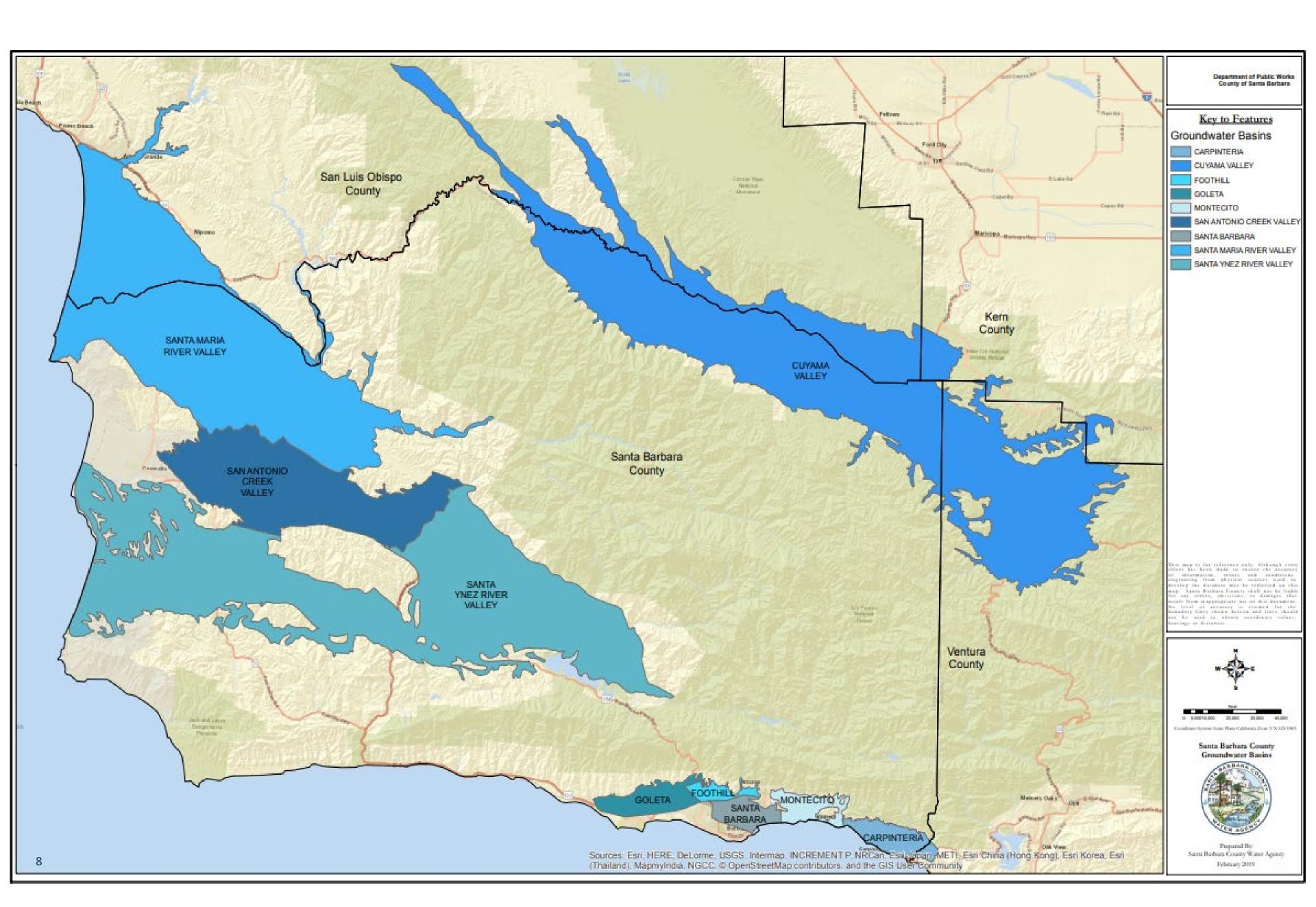


Flower Field in the Lompoc Plain, Western Management Area of the Santa Ynez River Valley Groundwater Basi

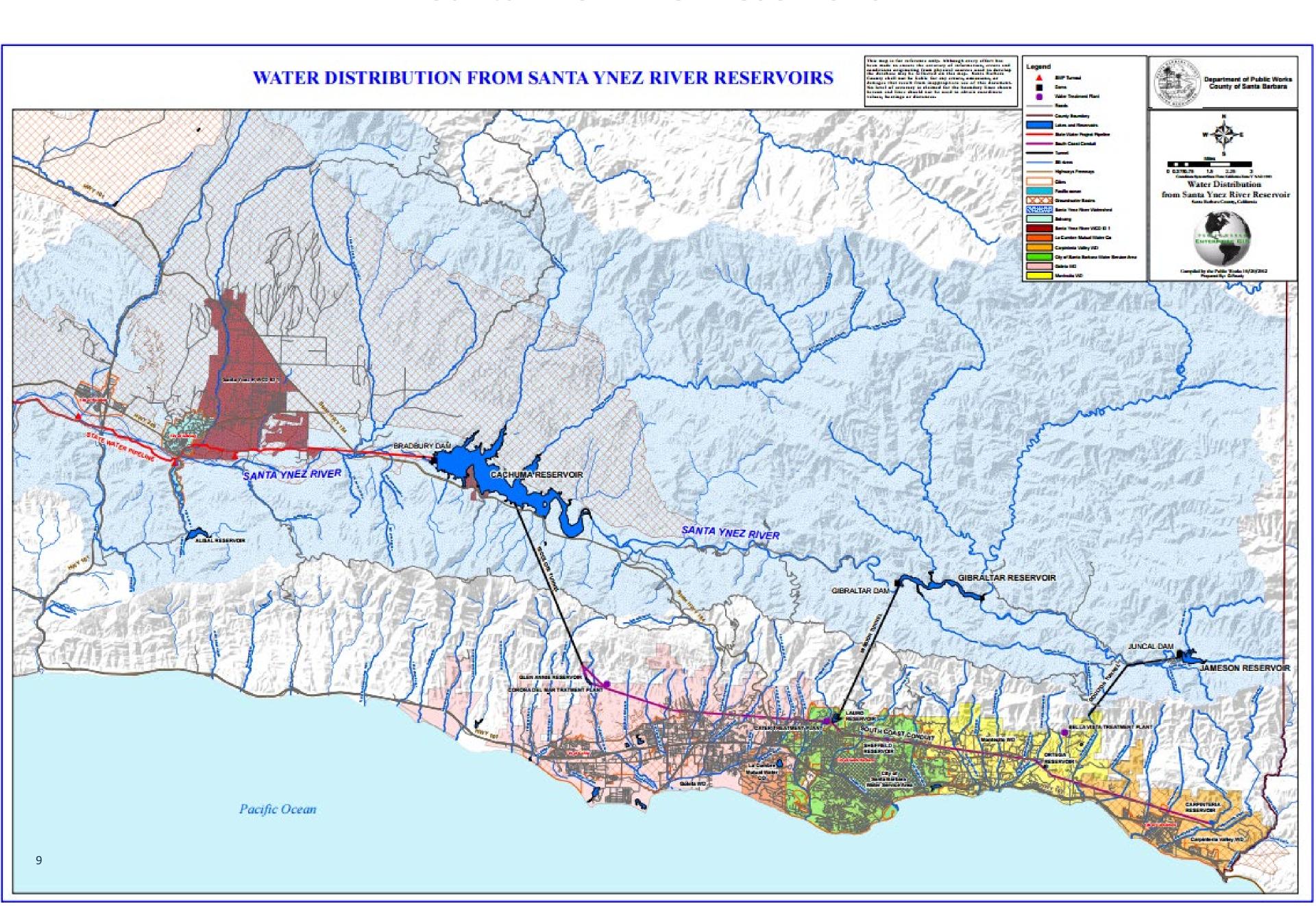
Public Works Department Water Resources Division, Water Agency October 2024



Groundwater

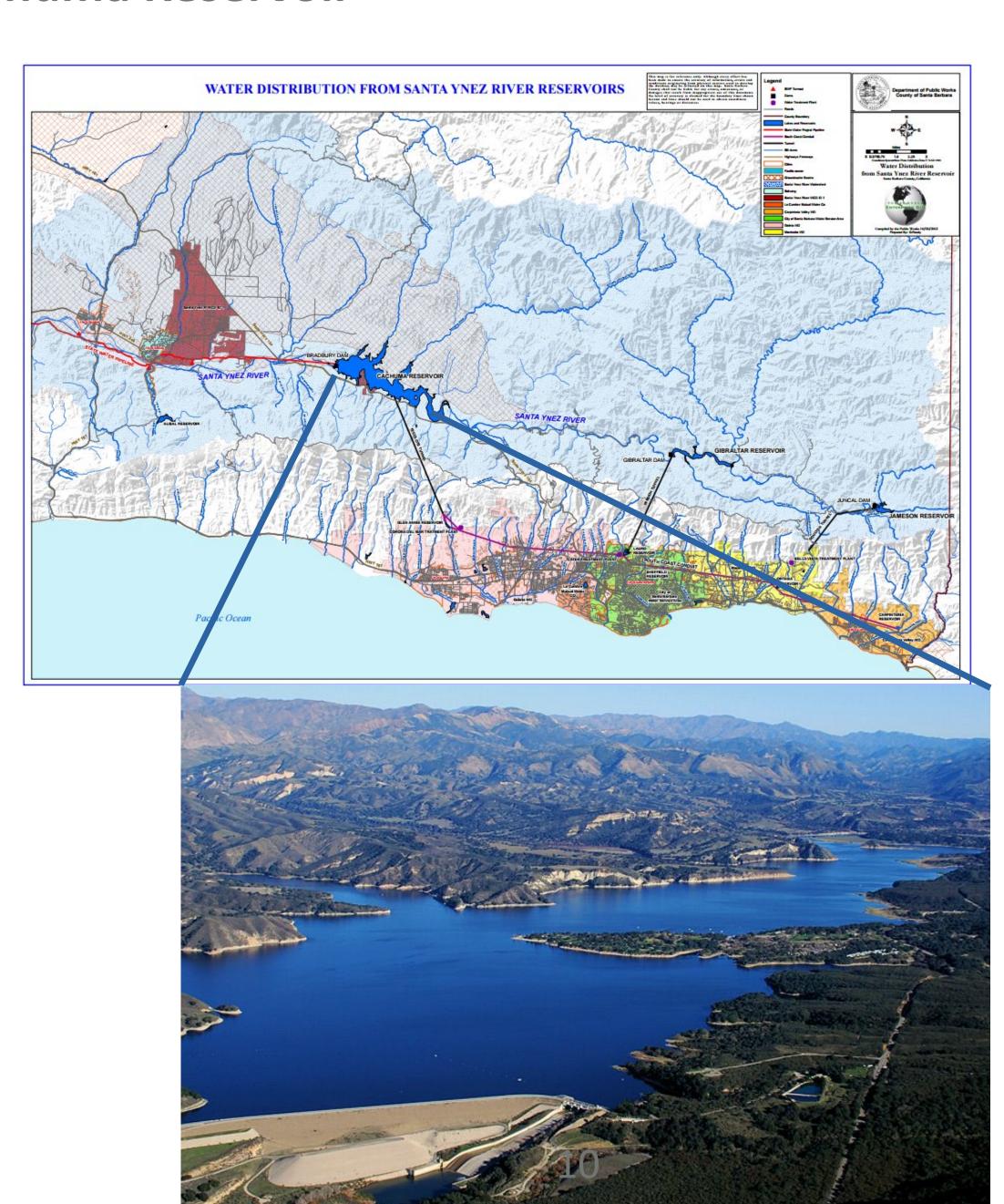


Santa Ynez River Reservoirs



Cachuma Reservoir

- Built by US Bureau of Reclamation in 1954
- Capacity reduced because of sedimentation and fisheries constraints
- No reserved flood control space
- Modified storm operations protocol last two winters
 - Allows for some downstream flood protection while maximizing water supply
- Reclamation conducting Value
 Planning Study on fish passage
 options

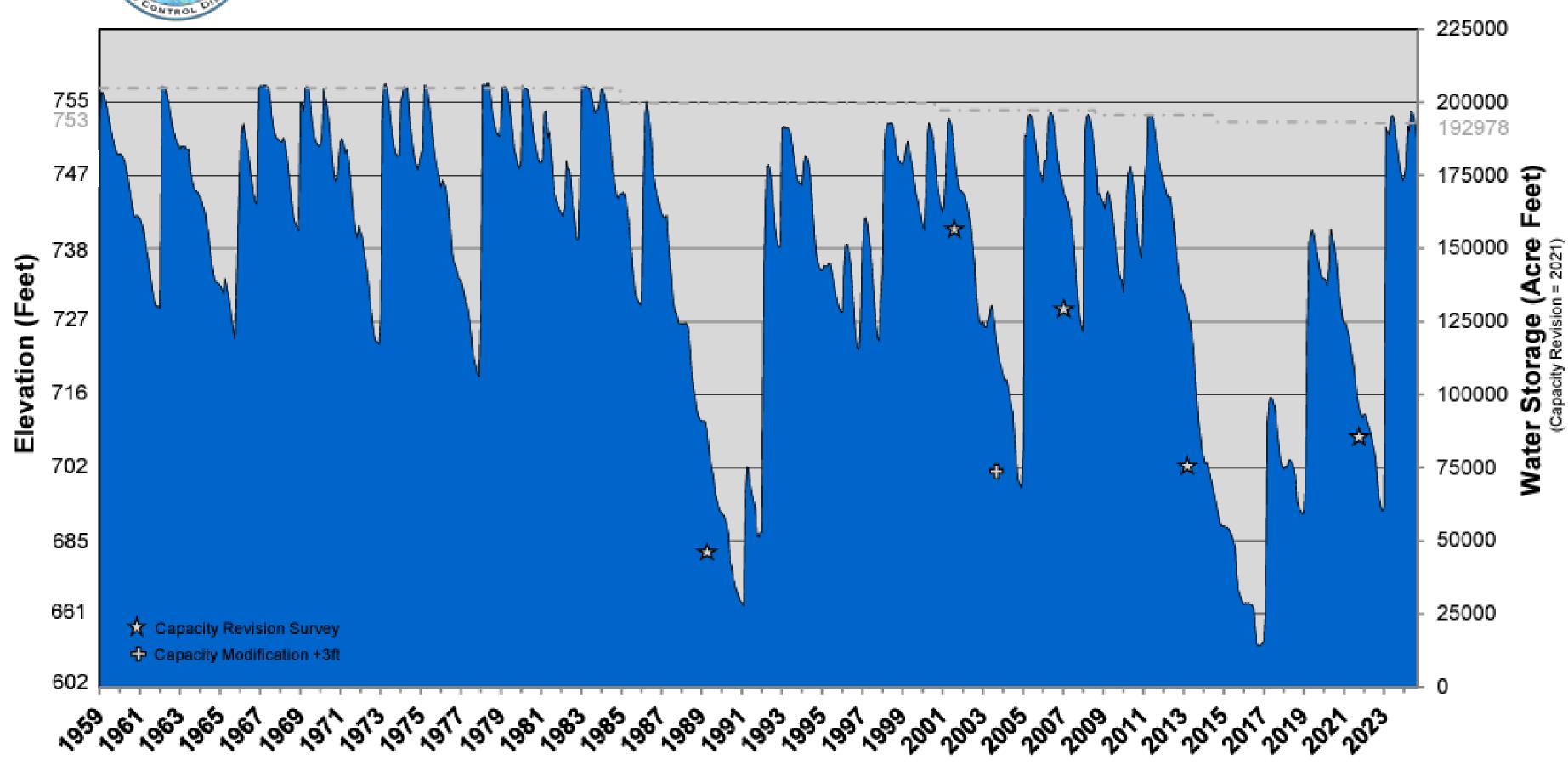


Cachuma Reservoir



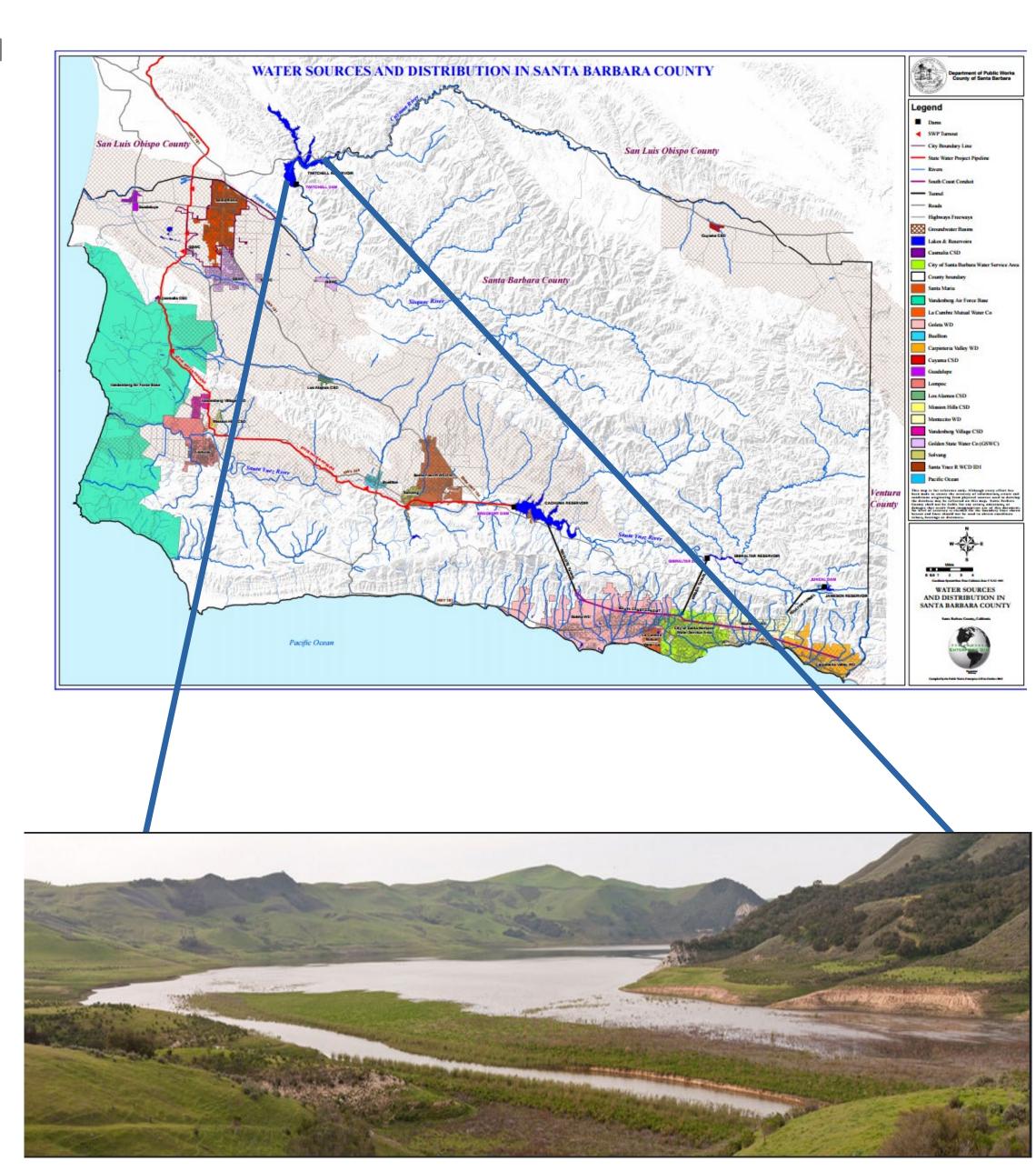
Cachuma Reservoir - Historical Water Storage Levels

65 Years - 1959 to 2024 (through September 1, 2024)

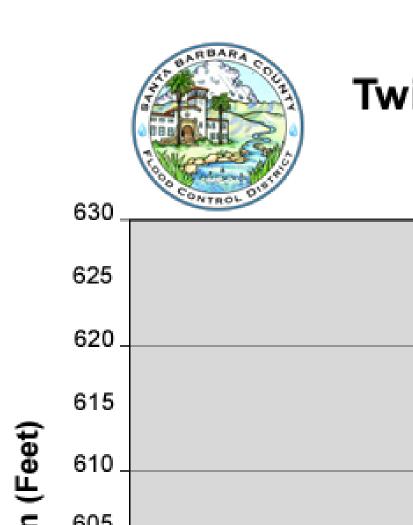


Twitchell Reservoir

- Constructed in 1958 by US Bureau of Reclamation.
- Water conservation releases recharge SM Groundwater Basin.
- Operated and maintained by Santa Maria Valley Water
 Conservation District
- Roughly half of reservoir storage reserved for flood control, with releases managed per US Army Corps of Engineers Water Control Plan
- Water Agency working with federal and local partners to update Water Control Plan to enhance storage and better manage releases.

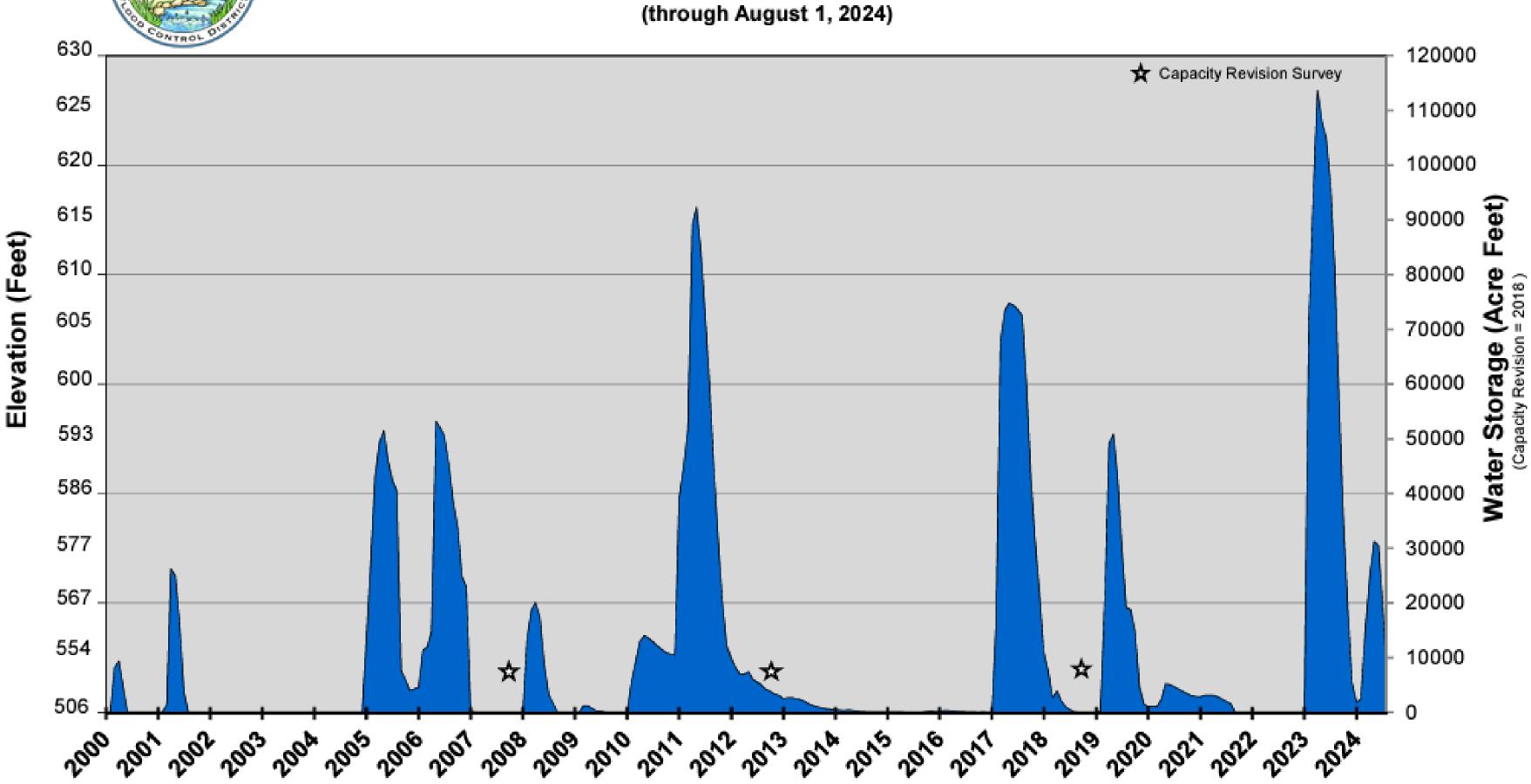


Twitchell Reservoir

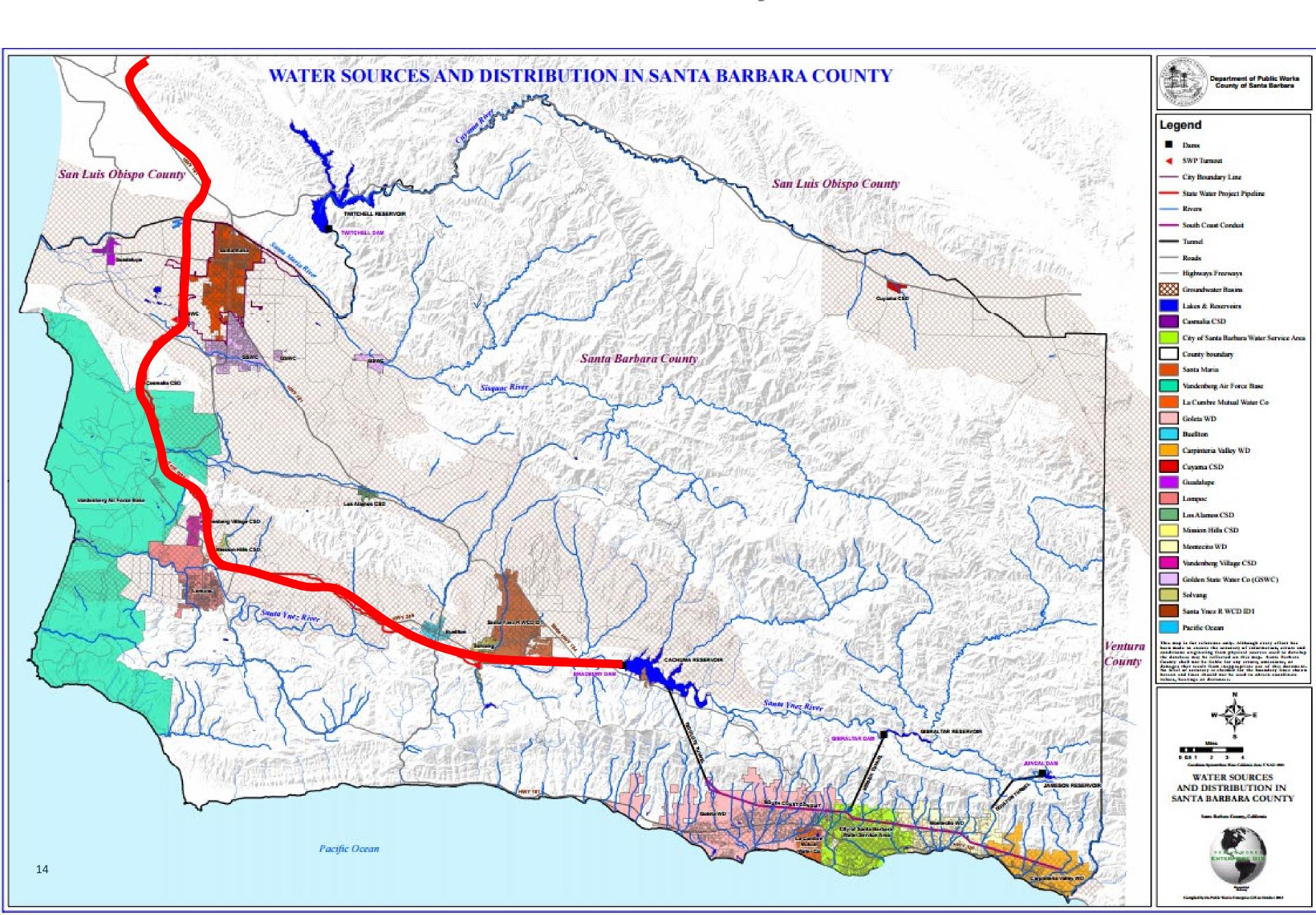


Twitchell Reservoir - Historical Water Storage Levels

24 Years - 2000 to 2024



State Water Project



State Water Project

- Coastal Branch authorized by vote
 1991
- 45,486 acre-feet per year, but variable allocations
- Allocations have ranged from 5% to 100% in recent years
- Operated by Central Coast Water Authority (CCWA)
- Valuable supplement in 2011-2018 drought



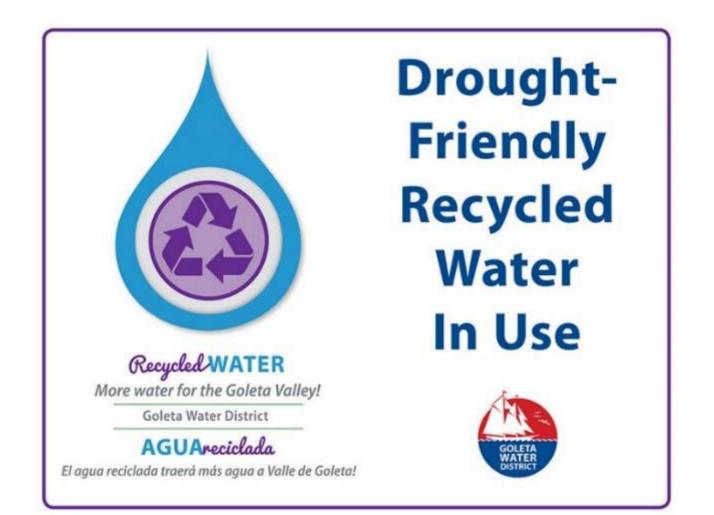
Desalination

- City of Santa Barbara's Desal Plant opened in 1991, subsequently decommissioned
 - -Reactivated October 2016
 - -Drought-resistant, local supply of 3,125 AFY; permitted for up to 10,000 AFY
 - -50-year agreement to supply Montecito Water District
- SLO and SB County exploring possible regional plant
- VSFB evaluating desal options



Recycled Water

- Recycled water forms:
 - –Direct non-potable (landscape / parks)
 - Indirect potable (Injection to groundwater basins as potable)
 - -Direct Potable (direct delivery of treated wastewater through potable system)
- Direct non-potable currently produced by purveyors
- Carpinteria Advanced Purification Project in progress (Indirect reuse)
- Water Agency/Laguna Sanitation District Indirect Reuse evaluation completed August 2023
 - Follow on study in progress
- Countywide Indirect Potable Reuse finalized 2023







Water Agency: Partnership and Collaboration

- Coordinate regional programs
 - -Integrated Regional Water Management Planning (IRWMP)
 - -Regional Water Efficiency Partnership (RWEP)
 - -Sustainable Groundwater Management
- Research and planning for water supply enhancement
 - -Groundwater monitoring and studies (Cuyama, San Antonio, Santa Ynez)
 - -Stormwater and water supply planning
 - Integrated Stormwater Resources Plan (2021)
 - Partnership with Flood Control District on multipurpose basins
 - –Reuse studies
 - Precipitation enhancement



Water Conservation Programs

- Water Agency coordinates regional conservation and drought planning with 15
 of 18 water purveyors in the county.
- Public Information
 - -WaterWiseSB.org
 - -WaterWiseGardeningSB.org

- -Social Media and Media Campaigns
- -GardenWise TV Show







Water Conservation Programs

- Landscaping
 - -Green Gardener Classes
 - -USBR Landscape Transformation Rebate
 - -Mobile Irrigation Lab
 - -Garden Recognition Contest

- Commercial/Institutional
 - Water audits for Green Business
 Program and businesses outside of water districts
 - -USBR Landscape Transformation Rebate



Water Conservation Programs

- Youth Education
 - -High School Video Contest
 - -Care For Our Earth Grants
 - -Shows That Teach Assemblies







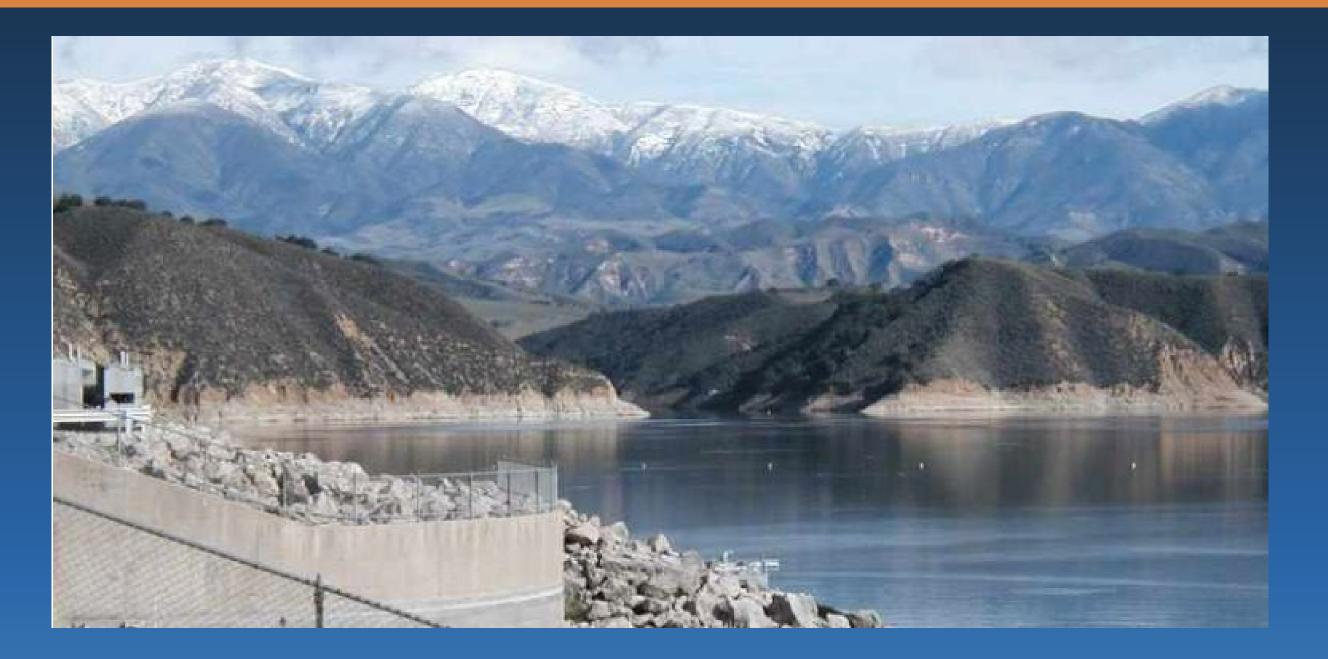


Recommended Actions

That the Board of Directors:

- Receive and file an update on water resources throughout the County of Santa Barbara;
- Receive and file the Santa Barbara County 2024 Groundwater Basins Summary Report; and
- Determine that these actions are not a project subject to the California
 Environmental Quality Act (CEQA) pursuant to State CEQA Guidelines Section
 15378(b) (5), as they are administrative actions that will not result in direct
 or indirect changes to the environment.





Questions?

Local Water Conservation Resources & Information: www.WaterWiseSB.org

Santa Barbara County Water Agency Information: www.countyofsb.org/189/water-resources

