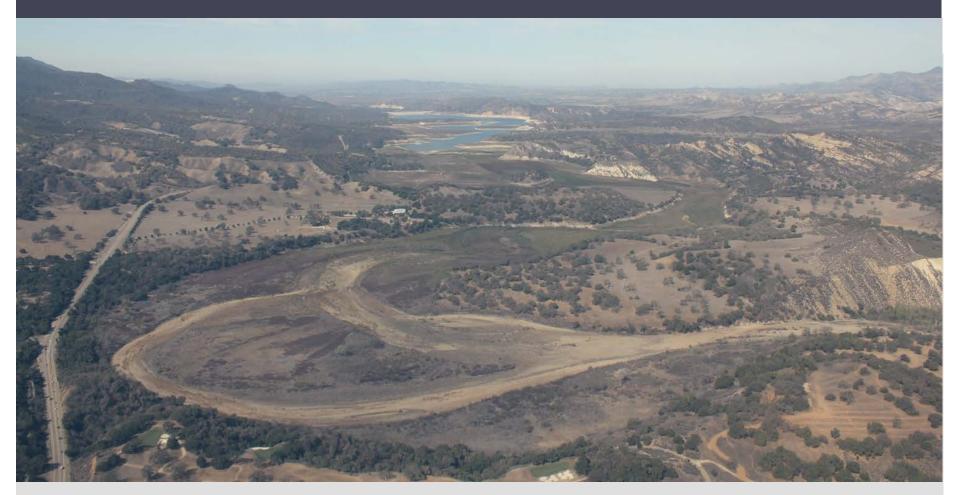
CACHUMA PROJECT



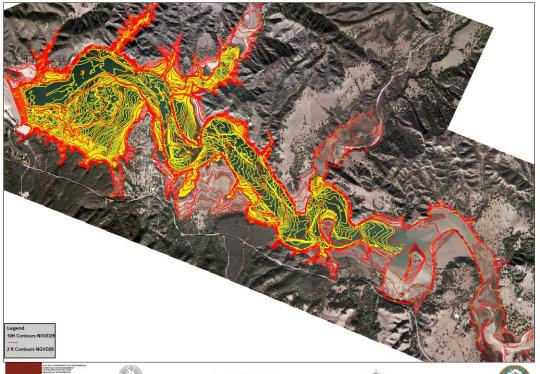
Board of Directors - County Water Agency July 12, 2016

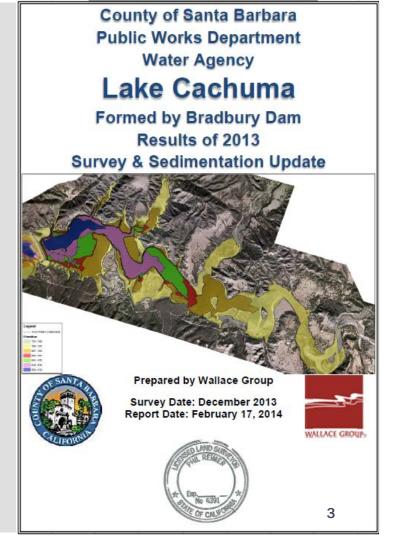
WATER AGENCY INFORMATION

- Cachuma Volume Re-Survey (2013)
- Forecasted Lake Levels
 - Based on given assumptions including water use,
 Evaporation, State Water Project deliveries,
 Downstream Releases, Fish Releases
- Cachuma "Mass" Bar Graph
 - Shows Remaining Water in Lake
- Cachuma Member Unit Monthly Water Balances
 - Available Water by Member Unit

2013 CACHUMA VOLUME SURVEY

- Loss of ~2,000 AF since prior Survey (2008)
- Zaca Fire Impacts







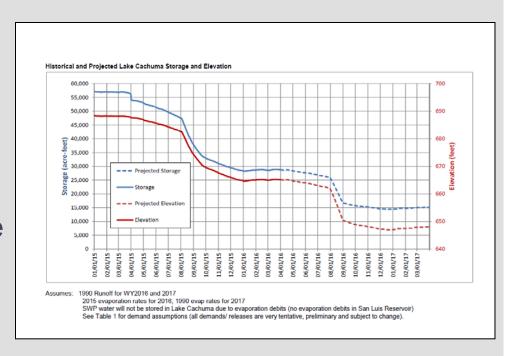
County of Santa Barbara Lake Cachuma 2014 Topographic Survey Project





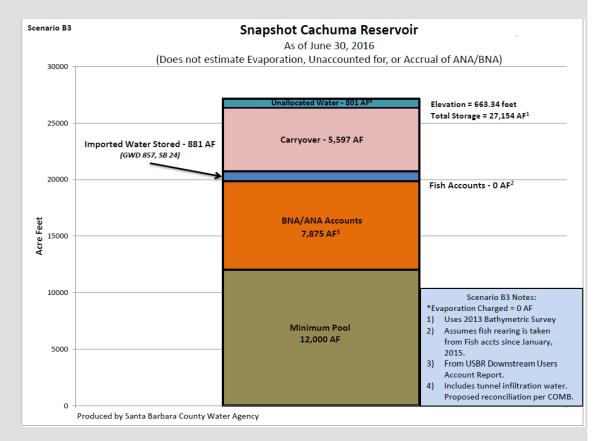
LAKE LEVEL FORECAST MODEL

- Forecasts Lake volume/elevation
- Assumptions
 - SWP Deliveries to Lake
 - Member Unit Diversions
 - Water Rights Releases
 - Fish Releases
 - Evaporation
- Forecasts Water Available
 - Barge Installation
 - Relocation



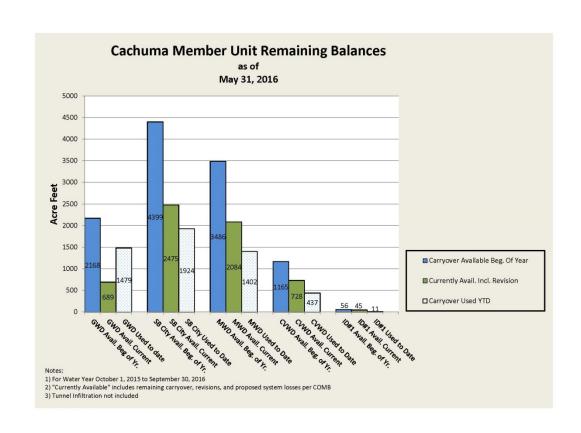
CACHUMA MONTHLY "MASS" BAR GRAPH

- Accounts for Allocated Water
- Shows Actual Water Available
- Monthly



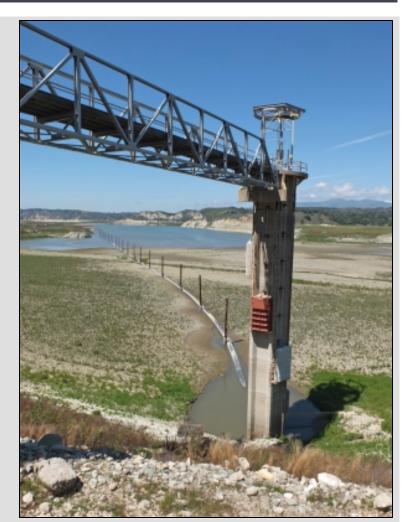
MEMBER UNIT WATER ACCOUNTING

- Graphically ShowsWater Available /Used
- Data Source –COMB Reports
- Monthly

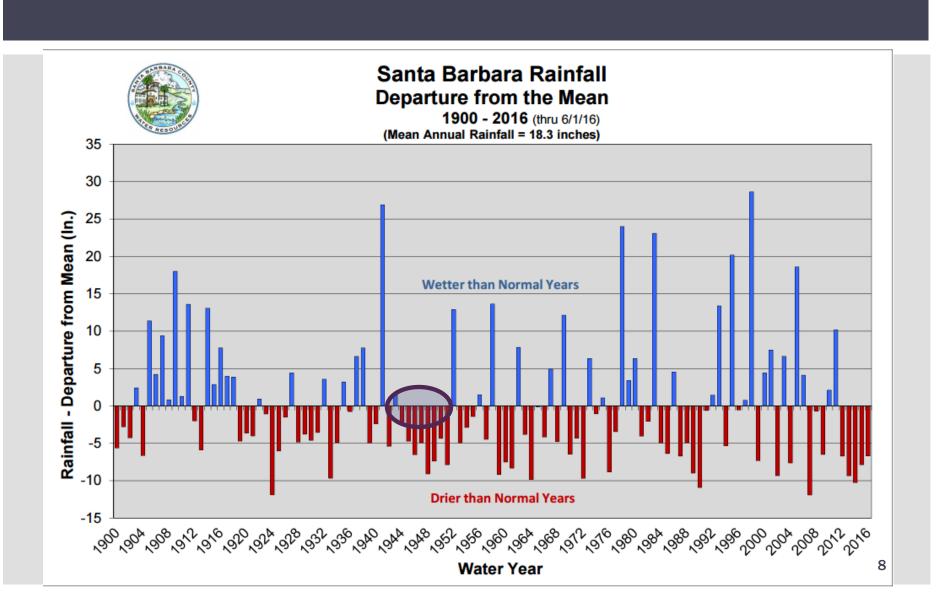


CACHUMA SAFE YIELD

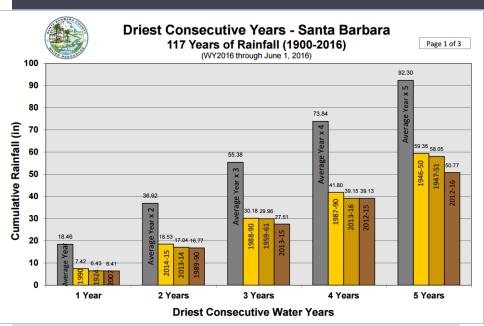
- Initiated Safe Yield Study in 2014
- Not Complete Until New Factors Known:
 - Are we redefining the Critical Drought Period?
 - What will steelhead releases be in the future? (USBR-NMFS Consultation)
 - Downstream Water Rights



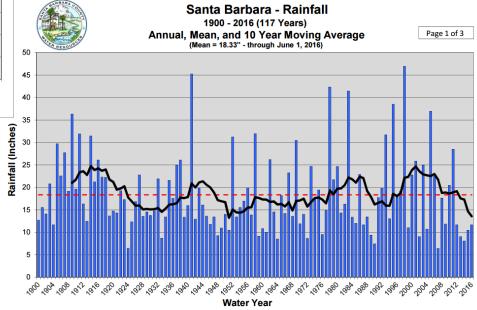
CRITICAL DROUGHT PERIOD



CRITICAL DROUGHT PERIOD (CONT.)



Driest 5 Consecutive Years of Record

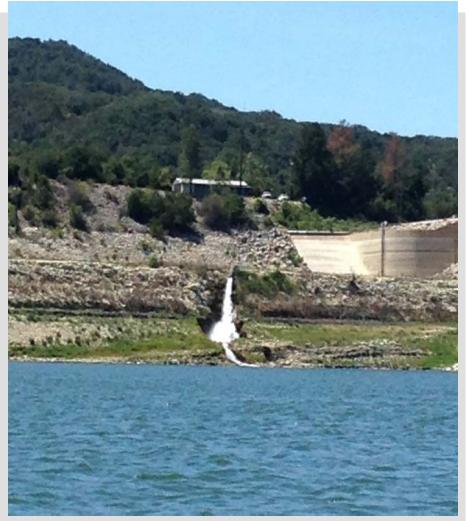


CACHUMA WATER SUPPLY CONTRACT

- Current Contract expires September 30, 2020
- Contract requires initiation of new Contract two (2) years prior (2018)
- Water Agency holds current Contract
- Issues include: Stable Water Supply, Downstream Water rights, Environmental, Recreation
- Process is unknown
- Seeking direction to determine course of New Contract and return to the Board for decision.

OTHER ISSUES / UPDATES

- Fish Releases
 - USBR reduced releases from 8 AF/day to 4 AF/day in May.
 - New Consultation (USBR-NMFS) underway.
- Pump Barge
 - Pump Barge Relocated (deeper water) in June
- State Water / Imported Water at Capacity (42 AF/day)
- 2015 Summary of Water Supply Sources



CACHUMA PUMP BARGE



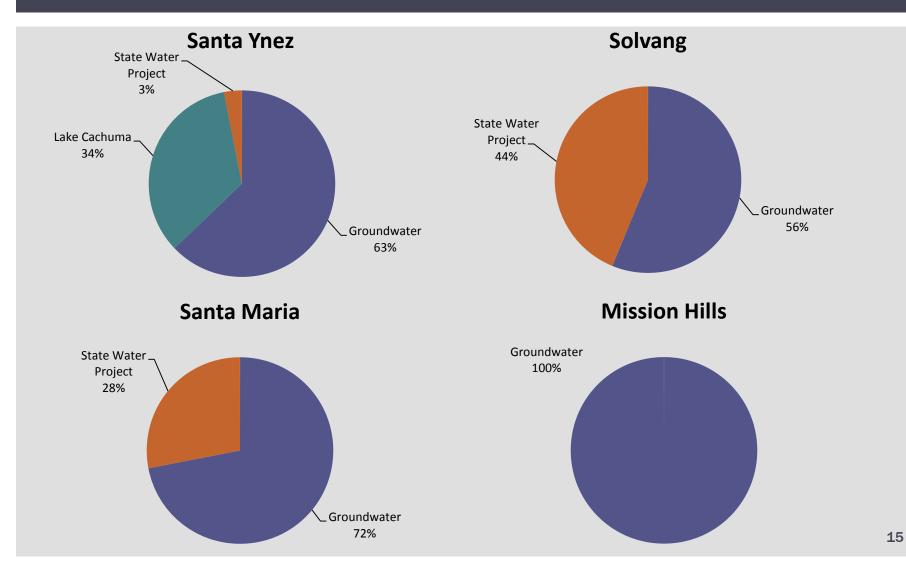
CACHUMA PUMP BARGE SITE #1



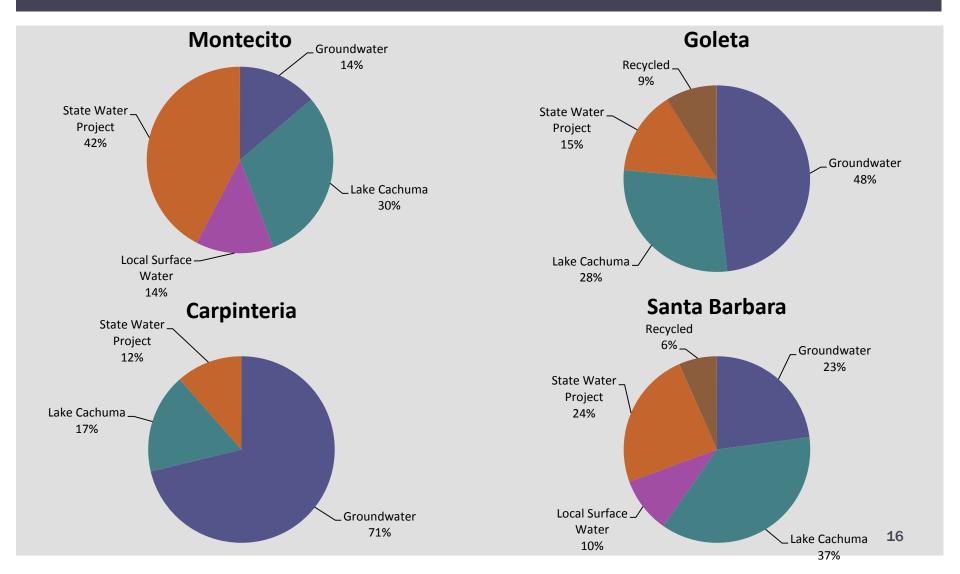
CACHUMA PUMP BARGE SITE #2



NORTH COUNTY WATER SOURCES (2015)

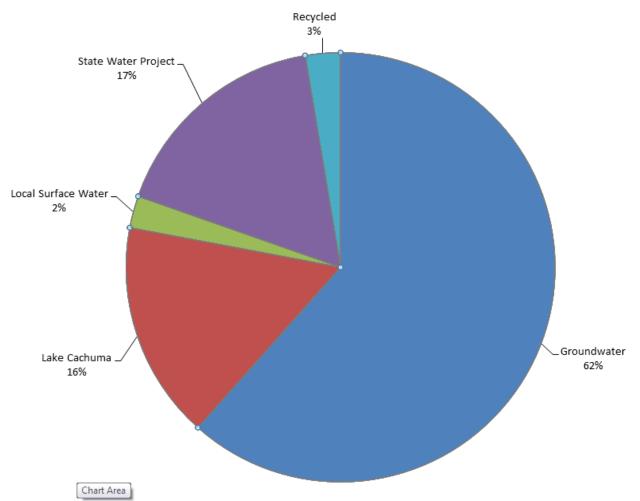


SOUTH COUNTY WATER SOURCE (2015)



COUNTY-WIDE COMBINED WATER SUPPLIES

2015 Water Providers Combined Production



RECOMMENDATIONS

