



Westlands Water District

Jose Gutierrez -
Chief Operating Officer

Water Education Foundation, April 4, 2019

Presentation Overview

- Who We Are
- CVP South of Delta Allocation
- Groundwater Conditions
- Sustainable Groundwater Management Act
- What to Watch for
- Q&A



Westlands at a Glance

- Largest agricultural water district in the United States, 600,000 acres
- Comprised of 700 family-owned multi-generational farms
- Westlands Farms produce an average of 60 high-quality commercial food and fiber crops



A Few of the Crops We Grow

Almonds 88,163 acres



Tomatoes 65,539 acres



Pistachios 50,935 acres



Grain Hay 18,770 acres



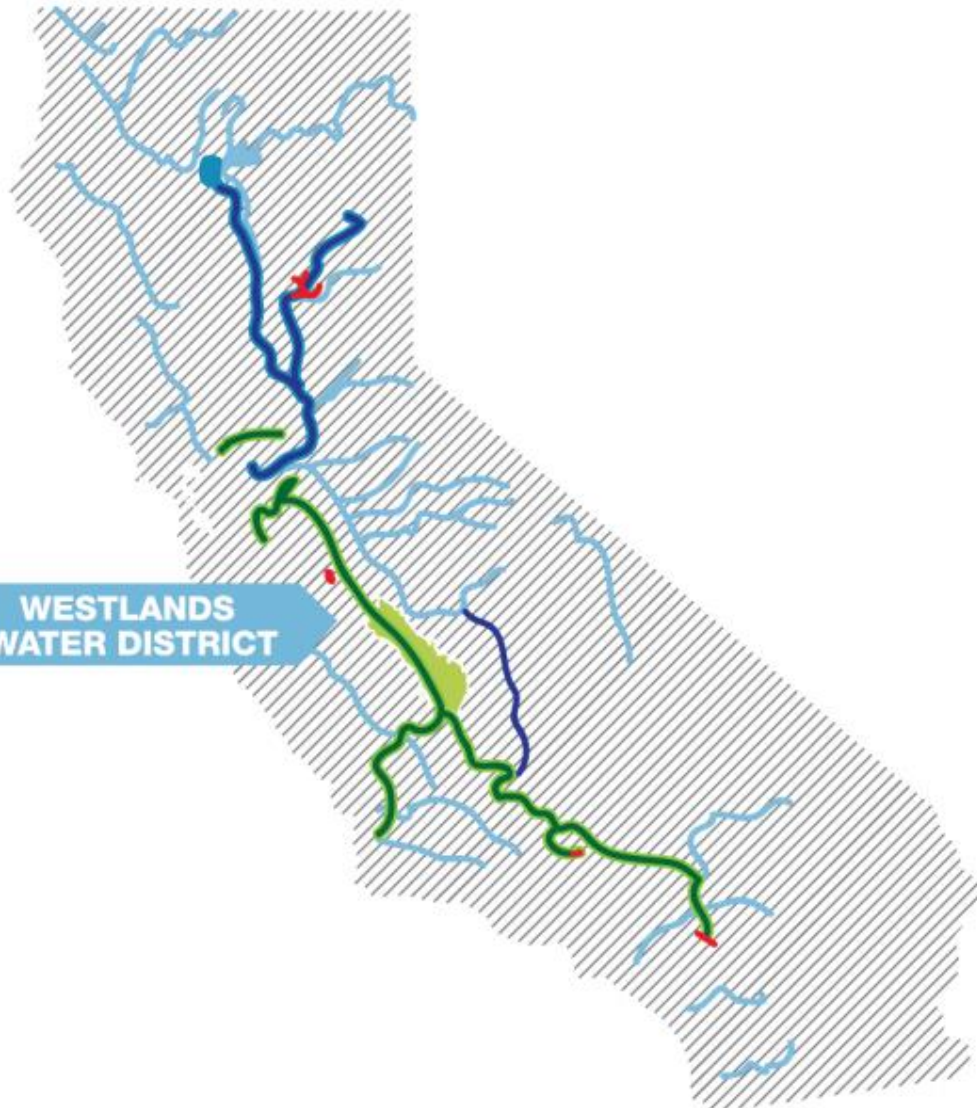
Grapes 17,690 acres



Garlic 15,193 acres



Where our Water Comes From



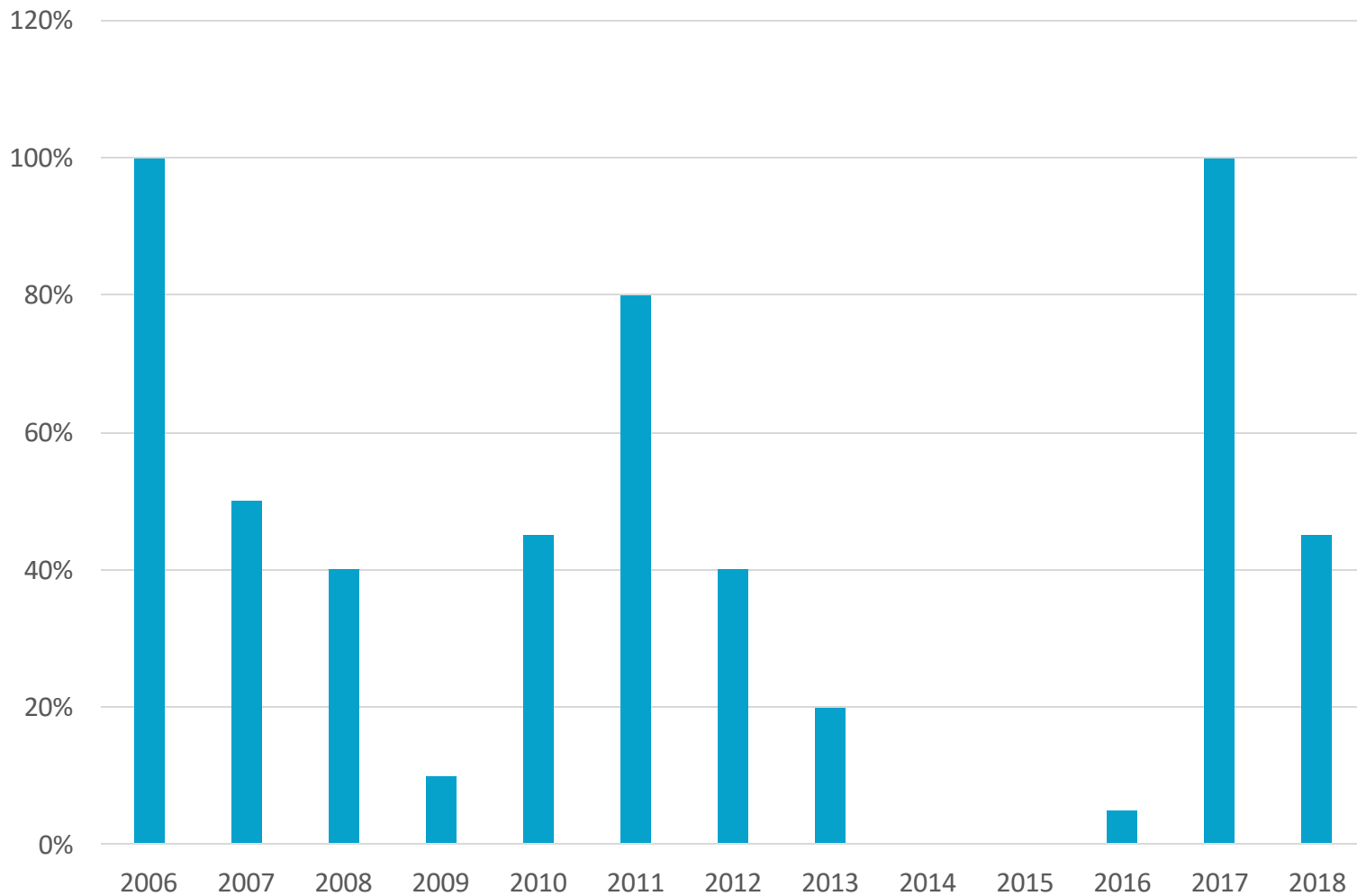
- Central Valley Project (CVP)
- CVP serves municipal water users in major urban centers in the Bay Area as well as farms and homes in the Central Valley

State- Federal Waterways Map

STATE-FEDERAL MAP



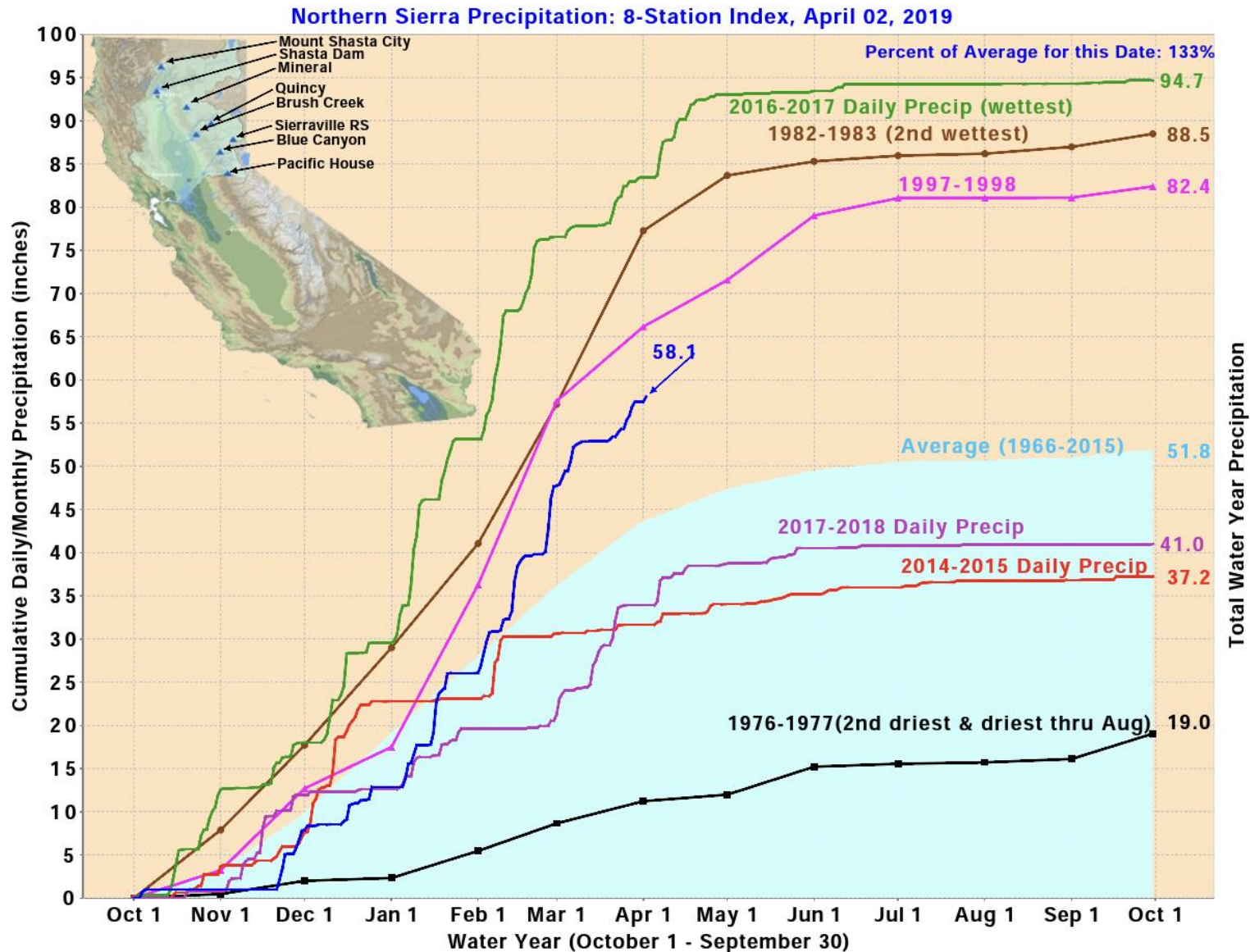
Westlands' Annual Water Allocation from CVP



WESTLANDS WATER DISTRICT 2019-2020 WATER SUPPLY OUTLOOK



Northern Sierra Precipitation



Northern Sierra Precipitation

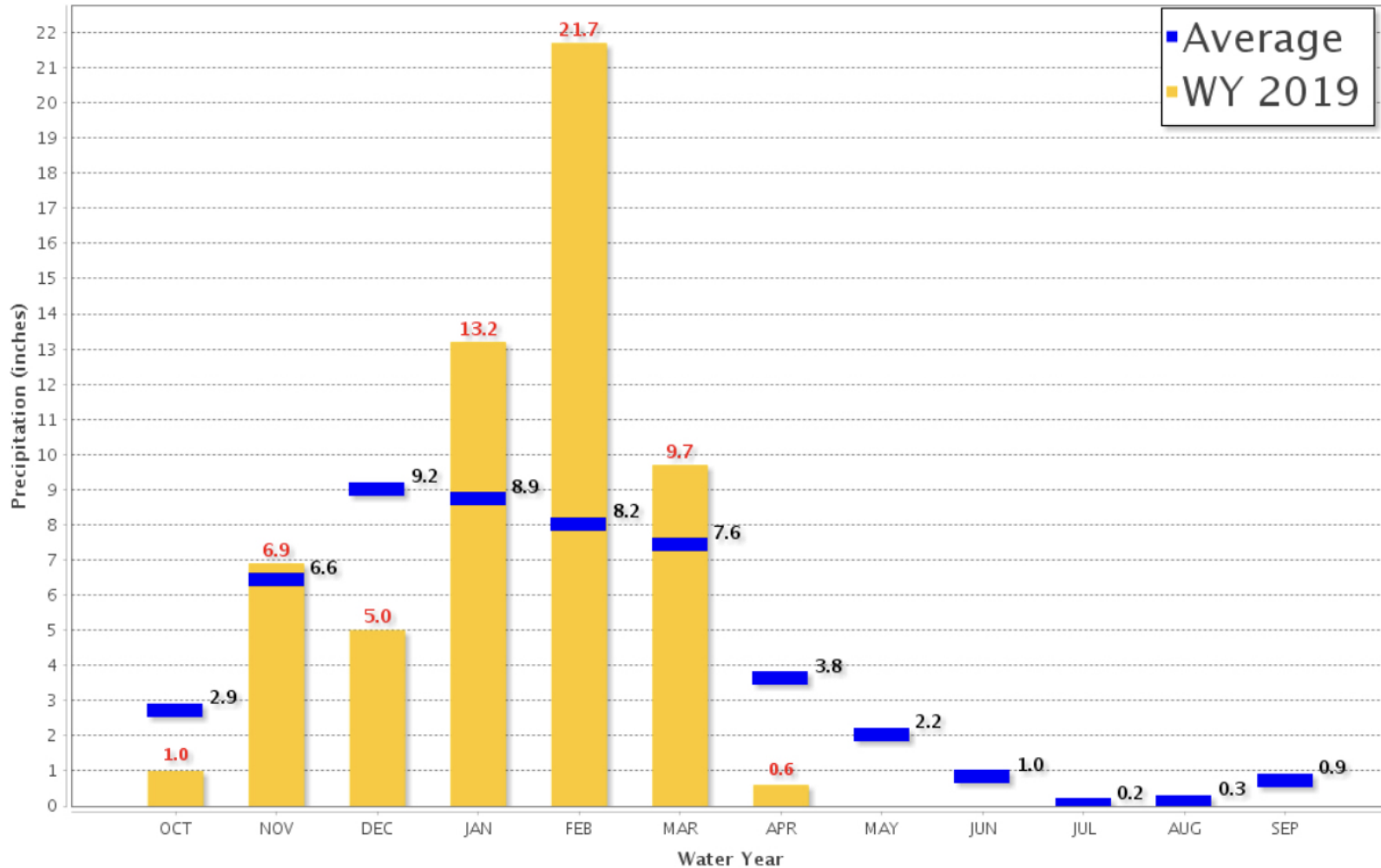


Northern Sierra 8-Station

Precipitation Index for Water Year 2019 - Updated on April 2, 2019 09:48 PM

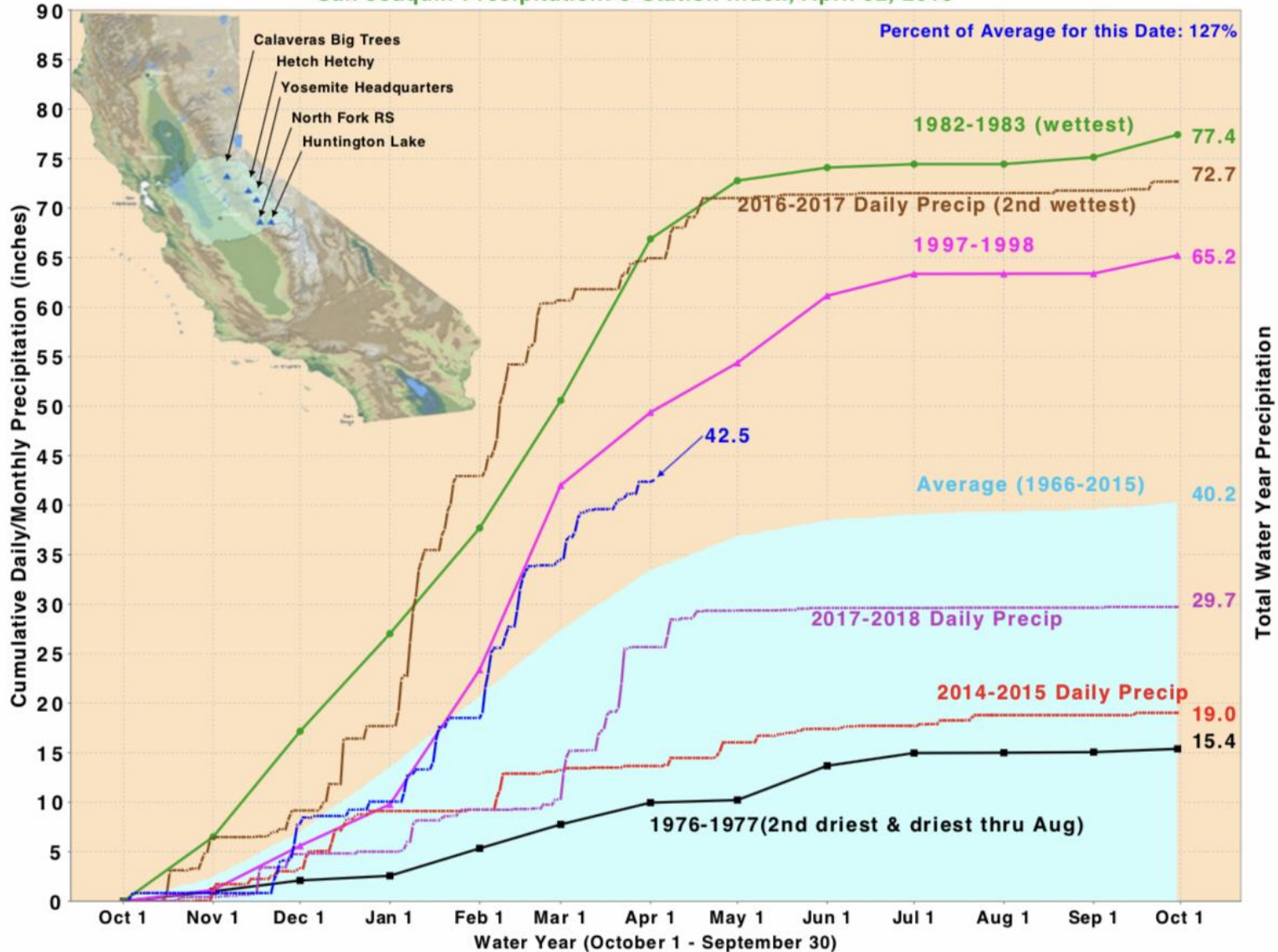
Note: Monthly totals may not add up to seasonal total because of rounding

Water Year Monthly totals are calculated based on Daily precipitation data from 12am to 12am PST



San Joaquin Precipitation

San Joaquin Precipitation: 5-Station Index, April 02, 2019



Sierra Snow Pack, 2019

% of April 1 Average / % of Normal for This Date

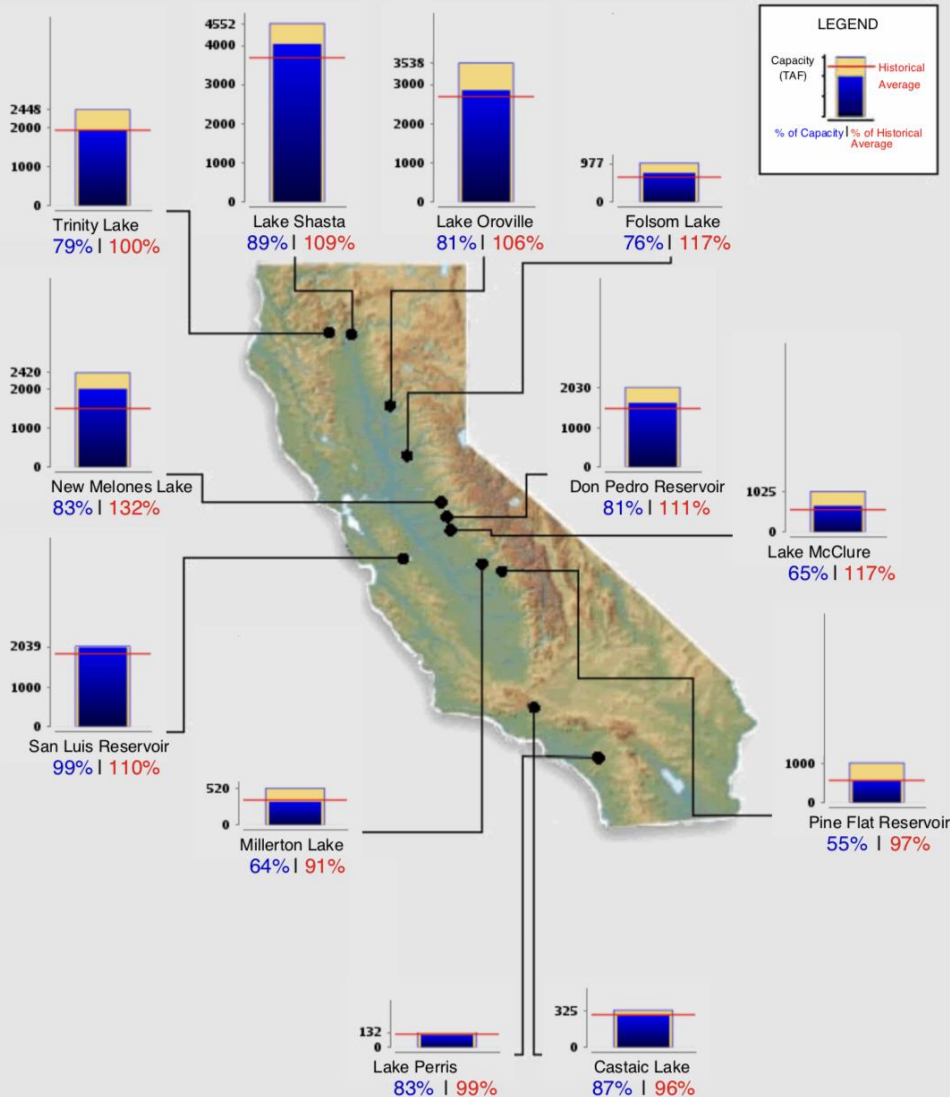


Statewide Average: 162% / 162%

- **Northern Sierra**
164% of Normal
- **Central Sierra**
165% of Normal
- **Southern Sierra**
153% of Normal

Current CVP Reservoir Conditions

CURRENT RESERVOIR CONDITIONS



- **Lake Shasta**
 - 89% of Capacity / 109% of Average
- **Trinity Lake**
 - 79% of Capacity / 100% of Average
- **Folsom Lake**
 - 76% of Capacity / 117% of Average
- **New Melones Lake**
 - 83% of Capacity / 132% of Average
- **San Luis Reservoir**
 - 99% of Capacity / 110% of Average
- **Millerton Lake**
 - 64% of Capacity / 91% of Average

CVP SOUTH OF DELTA ALLOCATION AND SUPPLY FORECAST



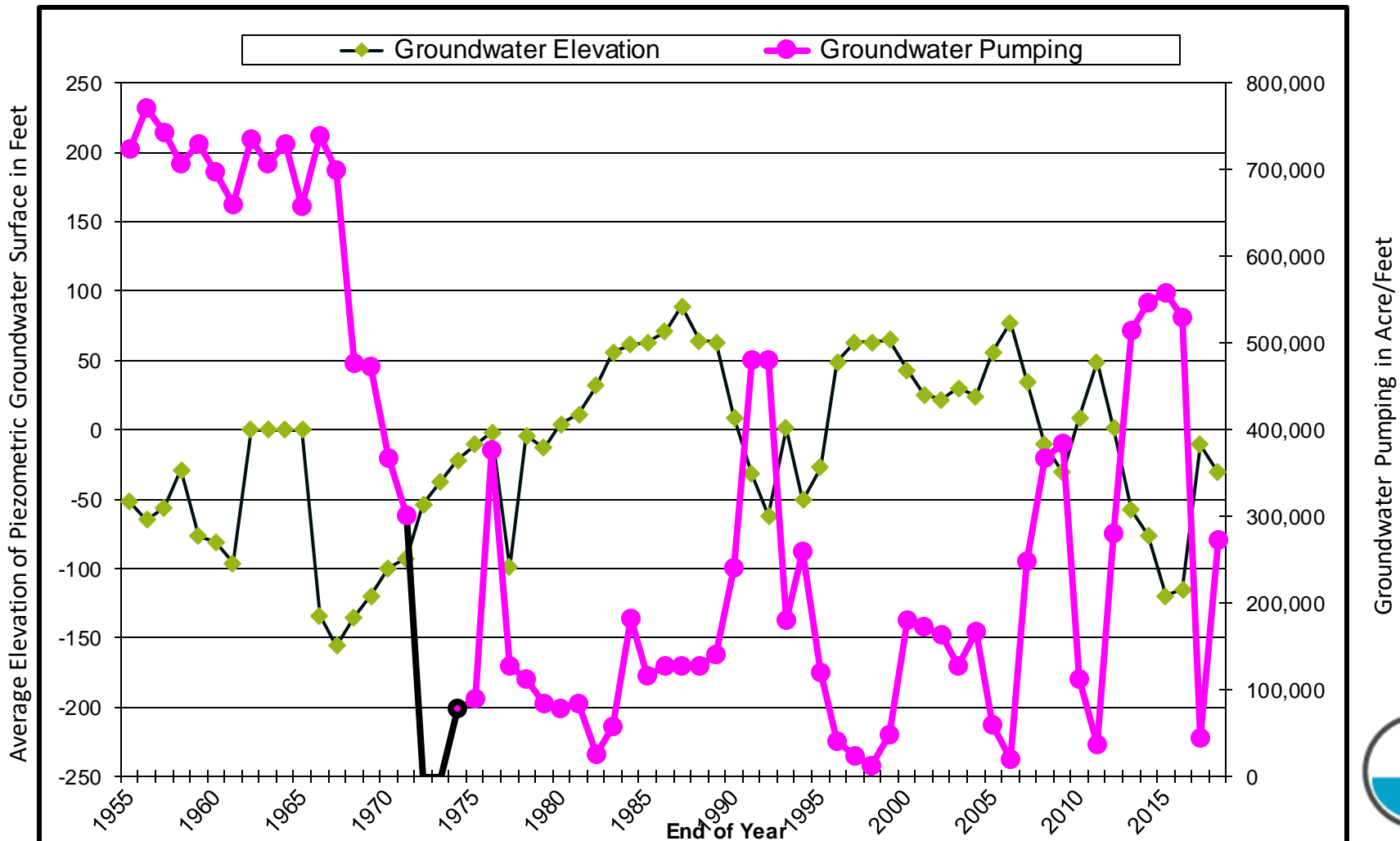
CVP Allocation for South of Delta Contractors

- Initial CVP South of the Delta Ag Allocation
 - 35% = 418,000 acre-feet or 51,600 hectare-meter
- Allocation increase on March 15, 2019
 - 55% = 657,000 acre-feet or 81,200 hectare-meter

GROUNDWATER CONDITIONS



Groundwater Conditions Since 1955



SUSTAINABLE GROUNDWATER MANAGEMENT ACT (SGMA)



SGMA's Objectives

- Local Management of the Groundwater Basin
- Requires sub-basins to be sustainably managed by 2040



Surface Water
Depletion



Reduction
of Storage



Degraded
Quality



Seawater
Intrusion

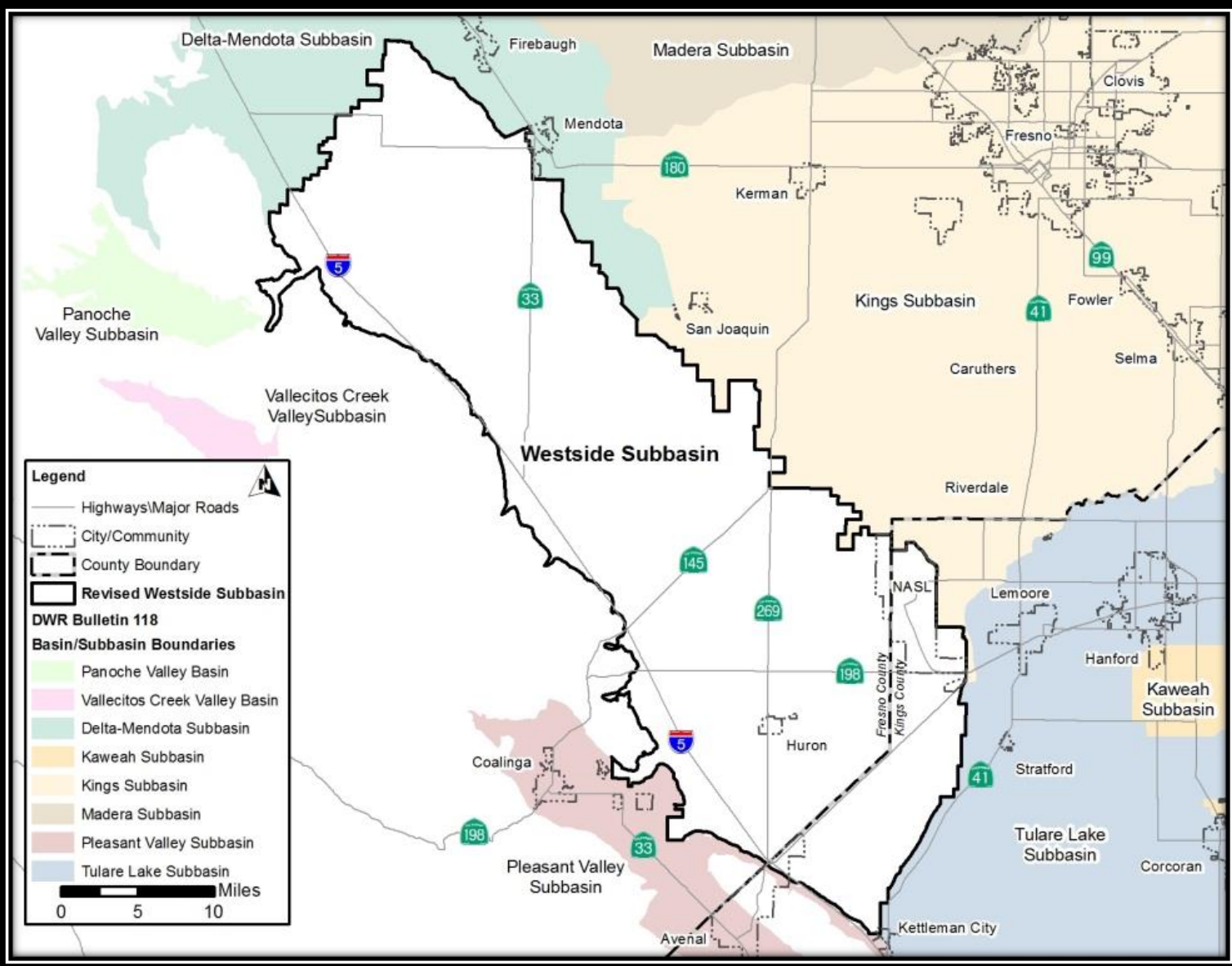


Land
Subsidence



Lowering
GW Levels

Westside Subbasin



GSA Responsibility and Authority

- Develop
 - Groundwater Sustainability Plan (GSP)
 - Achieve sustainability by 2040
 - Water Budget
 - Groundwater Model
- Adopt rules, regulations, monitor network and report to the State
- Coordinate with adjacent sub-basins
- GSA Authority
 - Impose Fees
 - Well Inspections
 - Monitor Wells



WHAT TO WATCH FOR



State Water Resources Control Board (SWRCB) Update to the Bay-Delta Plan



Phase 1 – San Joaquin River

- 30-50% Unimpaired flows
- Potential loss of up to 1 million acre feet
- Affecting: Eastside Central Valley

Phase 2 – Sacramento River

- 45-65% Unimpaired flows
- Potential loss of up to 3.1 million acre feet
- Affecting: Northern California, Sacramento Valley, San Francisco Bay Area, Silicon Valley, Westside and Southern Central Valley, Southern California

Voluntary Agreements Between U.S. Bureau of Reclamation and California Department of Water Resources

- If accepted by SWRCB, the agreement will provide
 - Improved water supply reliability
 - Increased instream flow in nearly every major stream tributary to the Sacramento – San Joaquin Rivers Delta and Delta outflow
 - Habitat improvements
 - Secured ongoing funding to implement water purchase programs, habitat restoration, and science programs

Presidential Memo and Biological Opinions

- October 2018 President Trump issued a Presidential Memorandum requiring re-consultation of the biological opinions that govern the operation of the CVP.
- Will address water issues affecting
 - farmers
 - cities
 - rural communities and
 - wildlife refuges
- Biological Assessment released last week by USBR: April/May Inflow/Export ratio
- Deadline for implementation – August 2019

THANK YOU!



@WESTLANDS_WATER



WWD

Subsidence in perspective

