

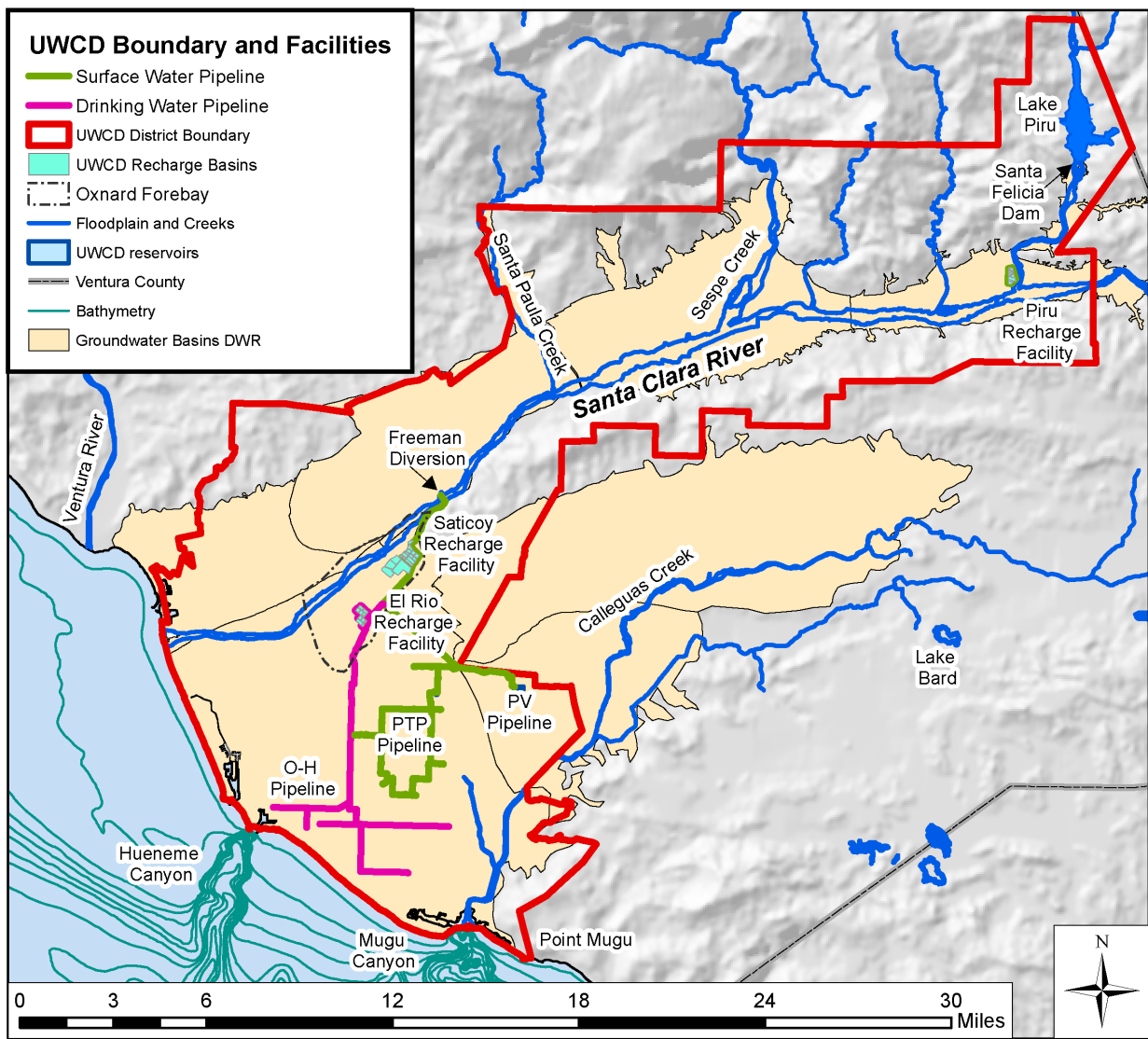


United Water

CONSERVATION DISTRICT

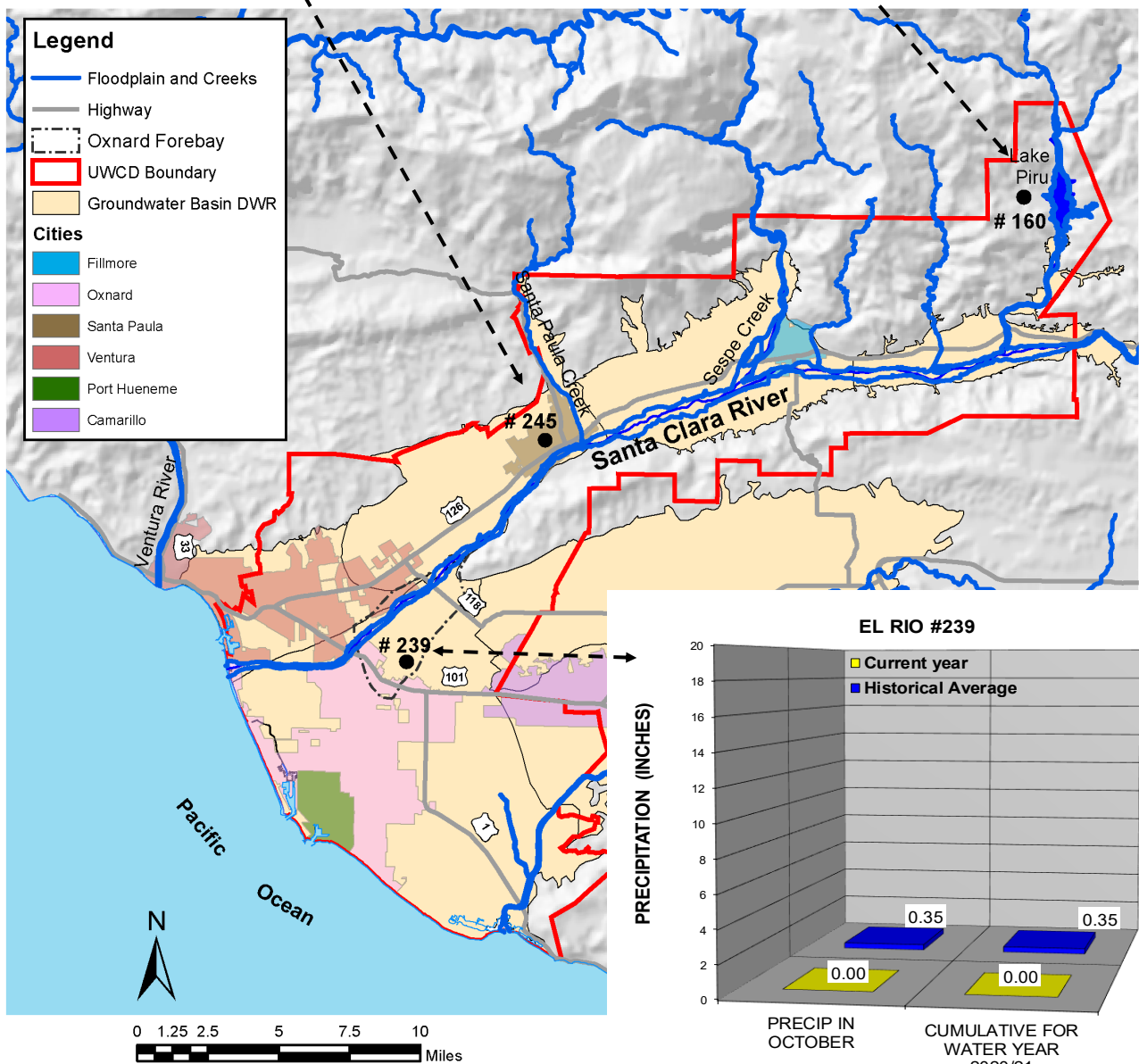
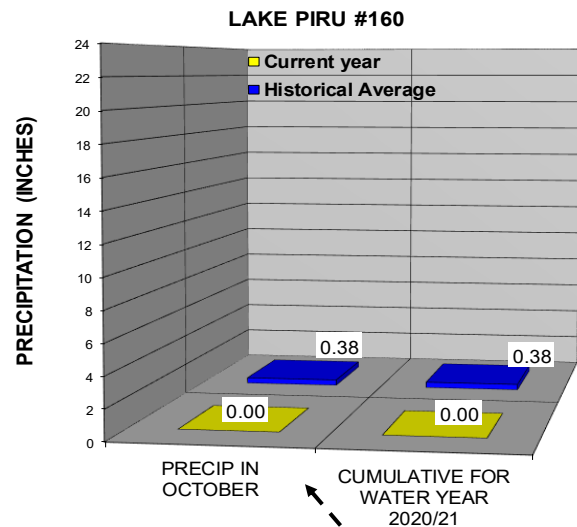
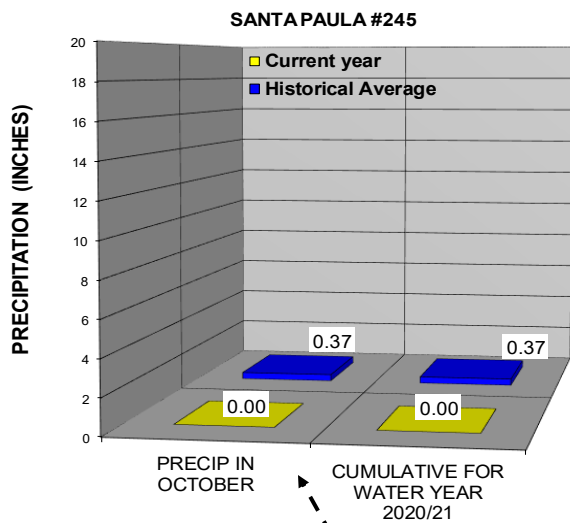
October 2020 Hydrologic Conditions Report 2020/21 Water Year

November 3, 2020



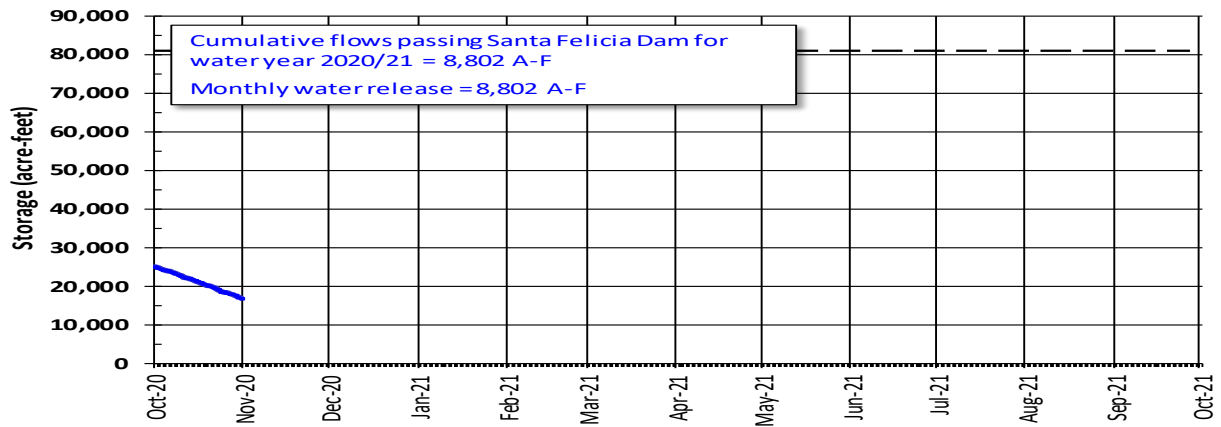
Note: This report may contain provisional data until final review at the end of the water year.

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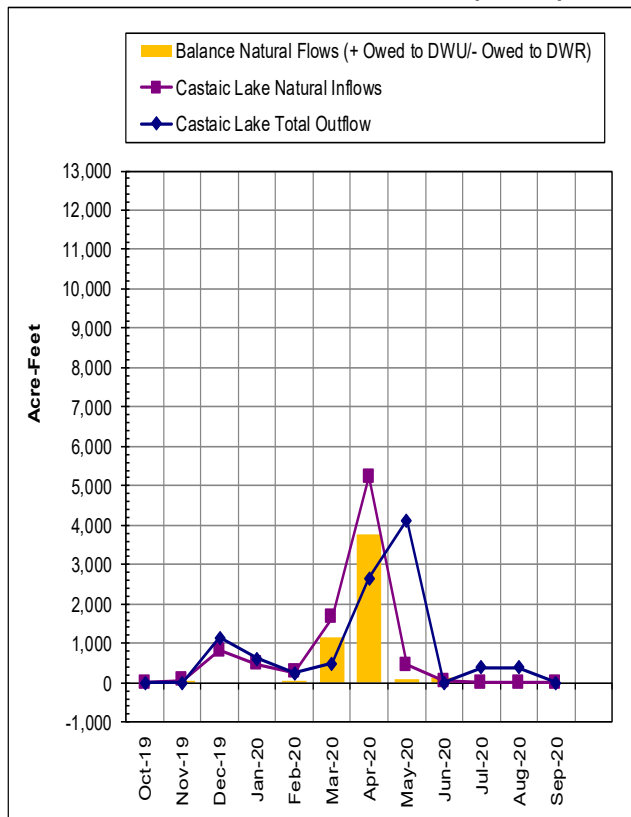
District-wide percent of normal precipitation = NA

Lake Piru storage and outflow

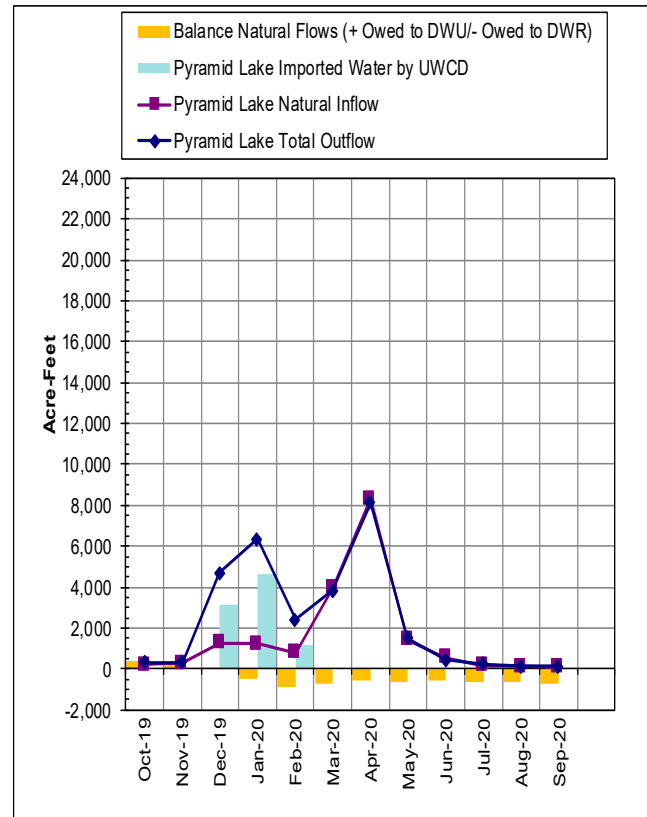


	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Hydro Plant Outflow (Acre-Feet)	4,345											
Cumulative Hydro Plant Outflow (A-F)	4,345											

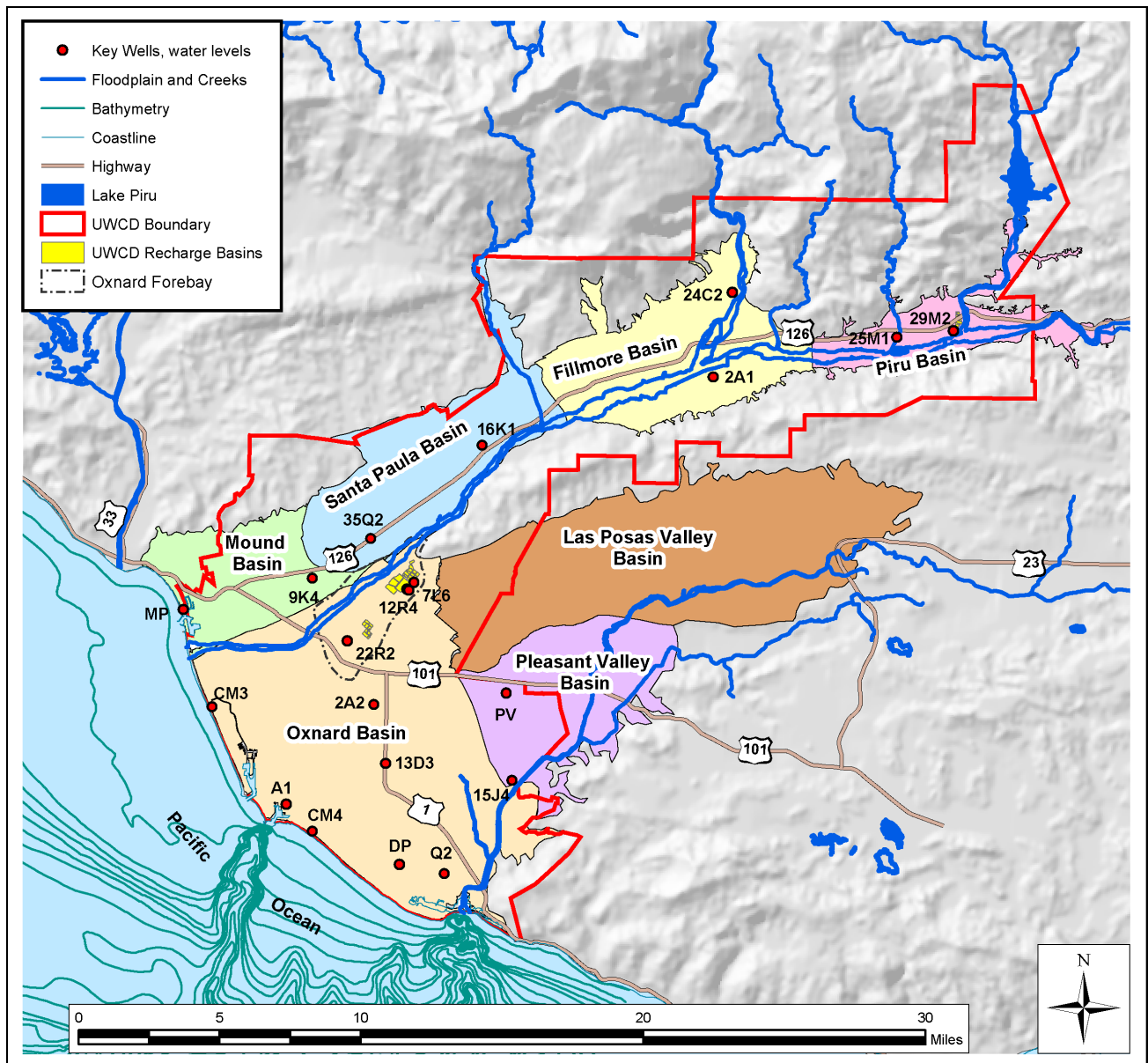
Castaic Lake releases to downstream water users (DWU)



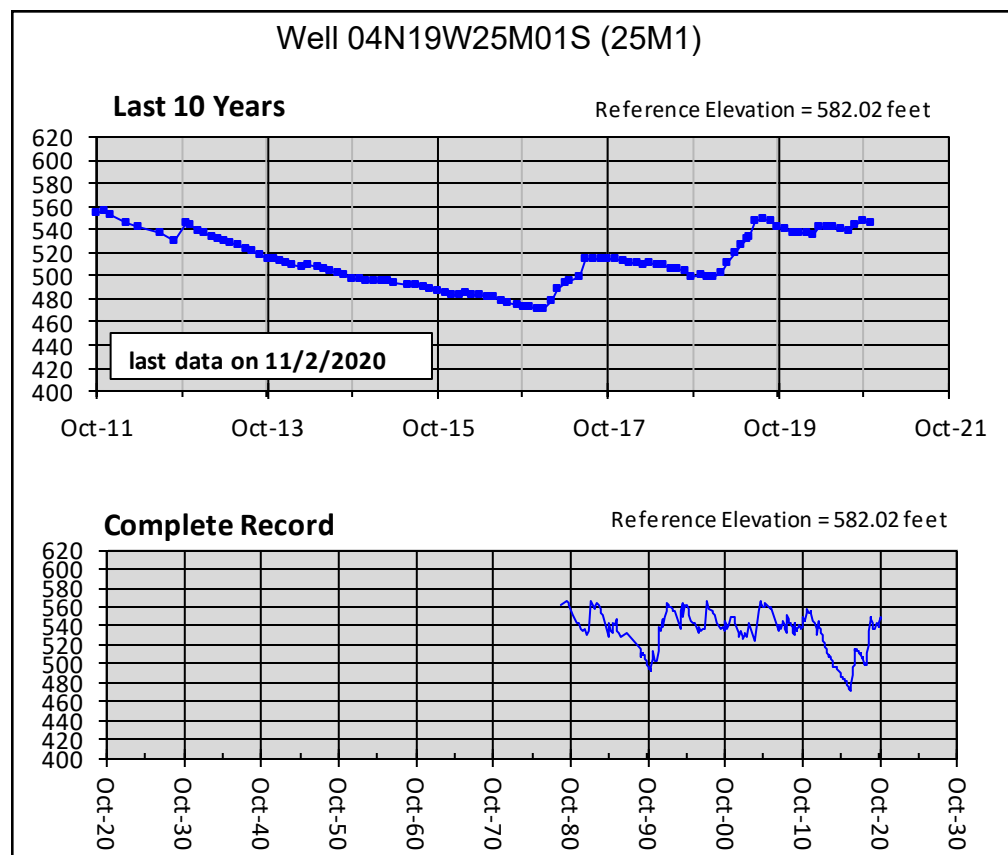
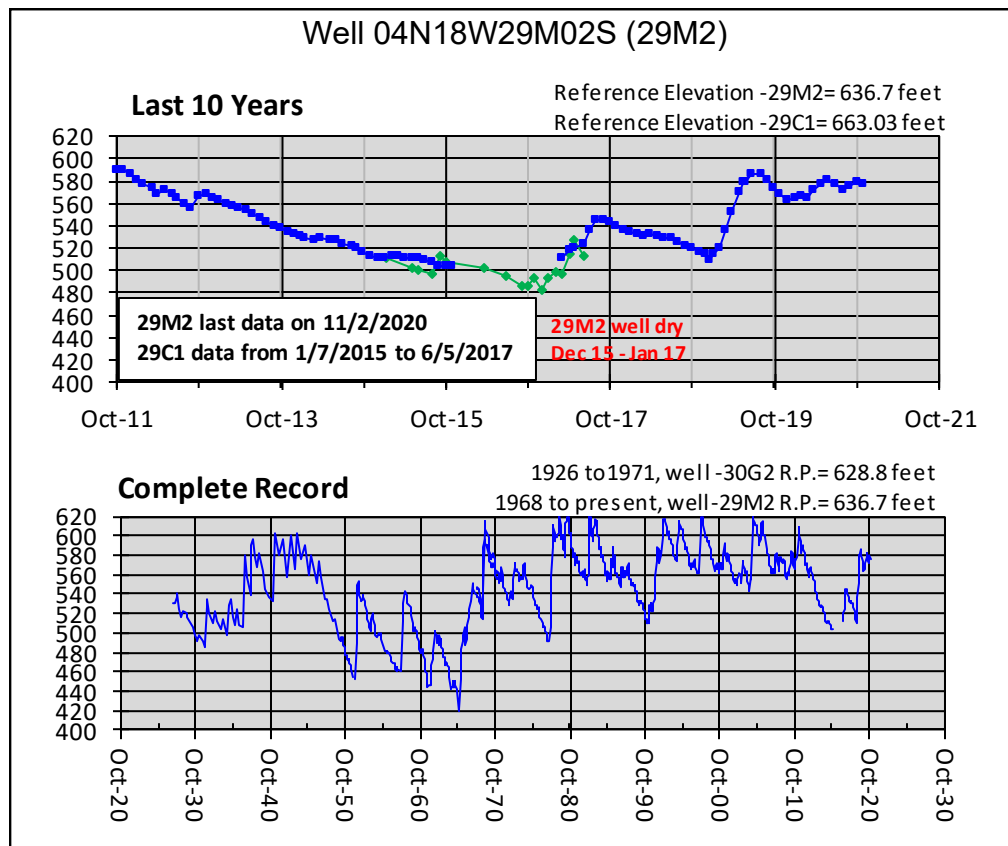
Pyramid Lake releases to UWCD



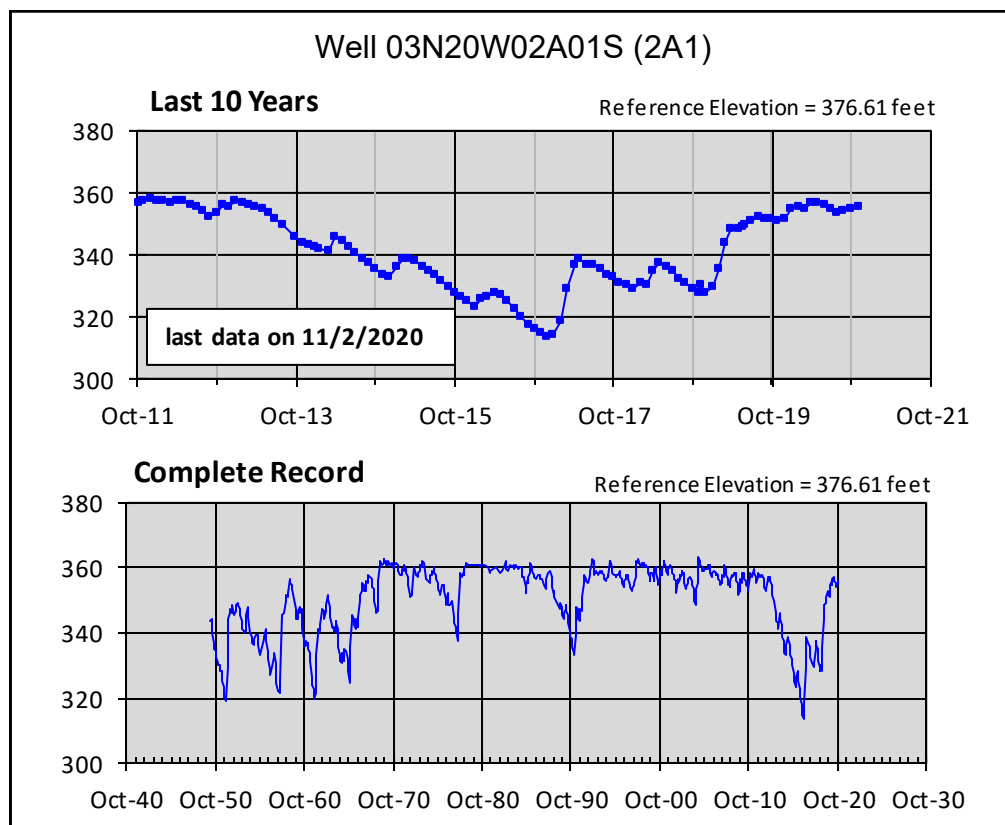
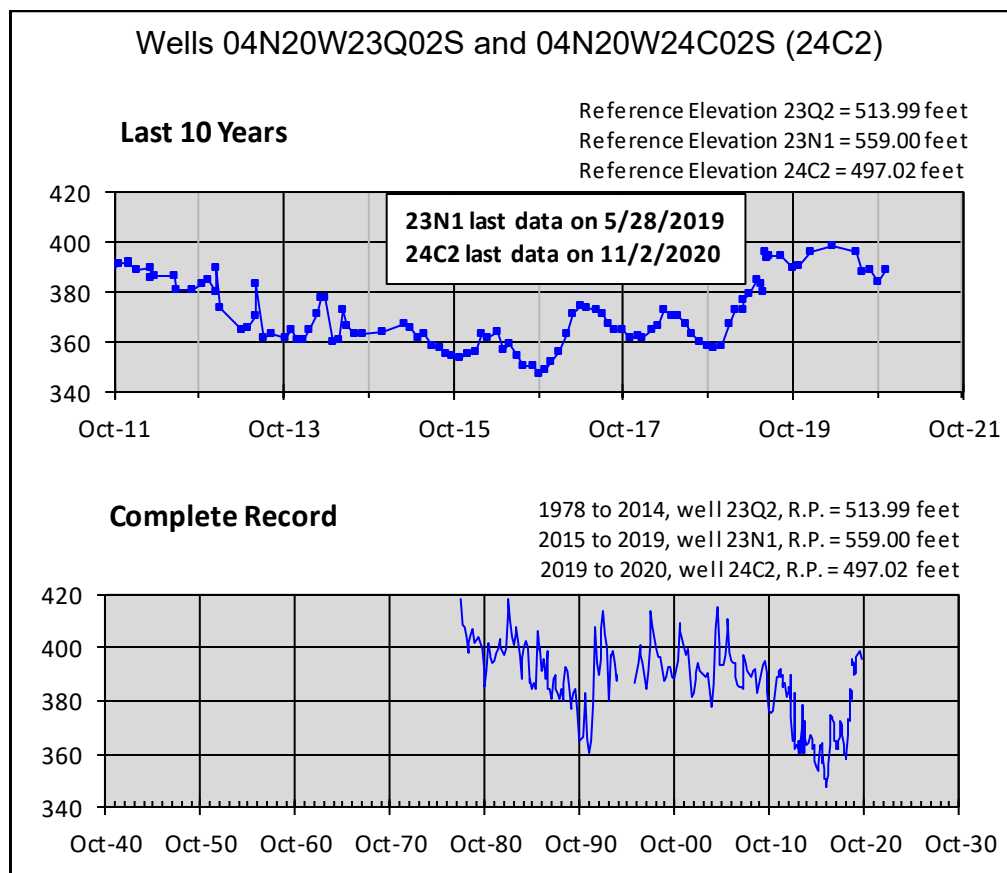
Locations of key wells, monthly groundwater elevation monitoring



Piru Basin Key Wells Groundwater Elevation Records

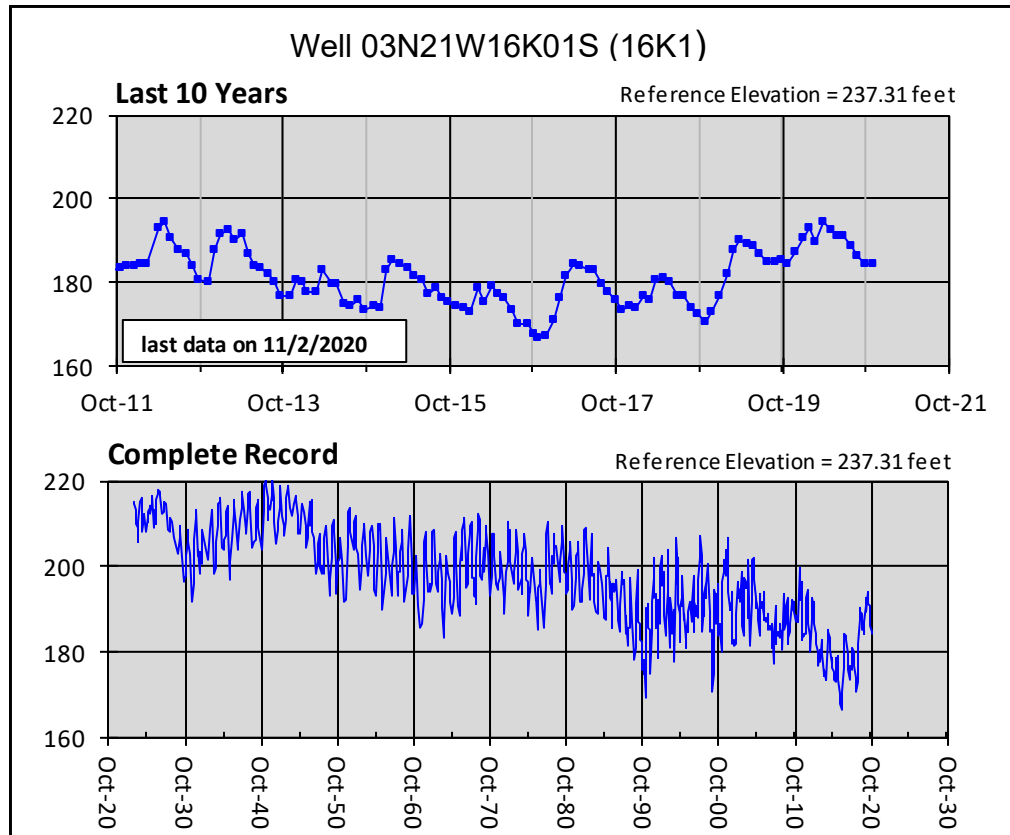


Fillmore Basin Key Wells Groundwater Elevation Records

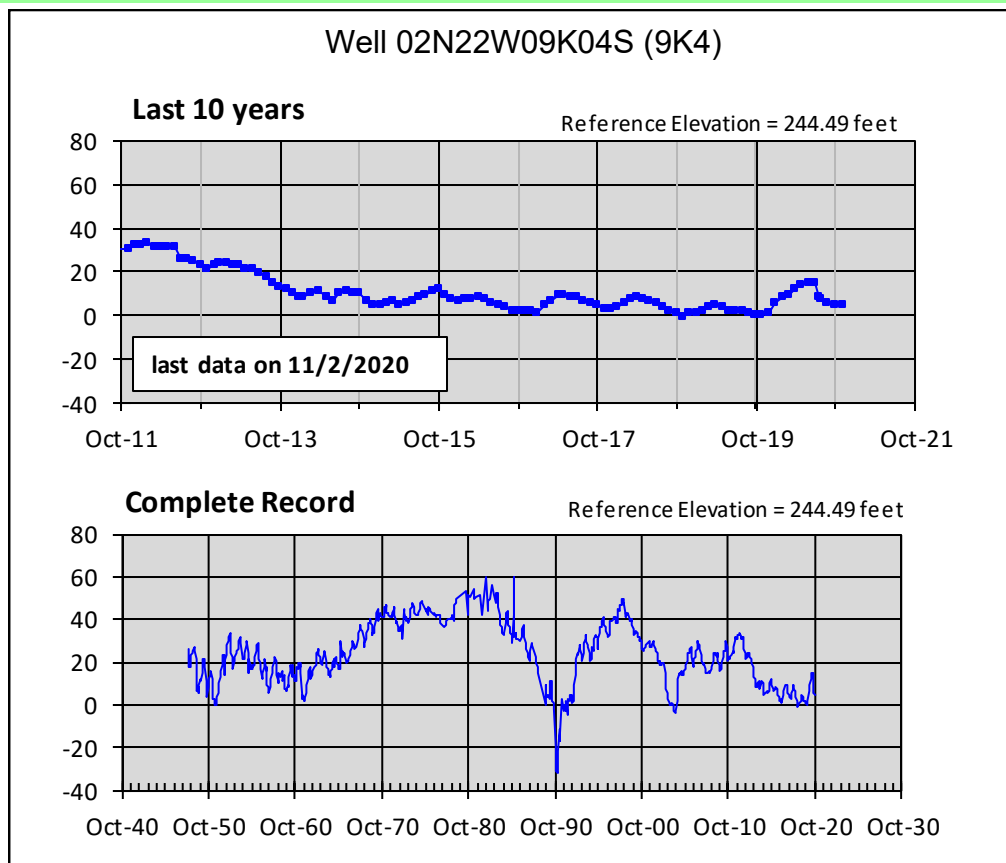


Groundwater Elevation Records

Santa Paula Basin Key Well



Mound Basin Key Well



Oxnard Basin—Forebay Key Wells Groundwater Elevation Records

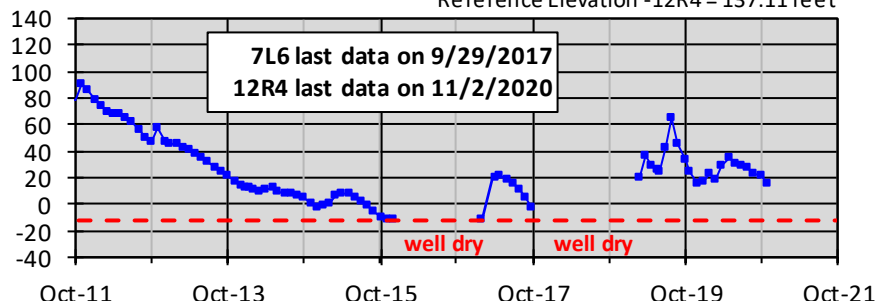
Wells 02N22W12R04S (12R4) and 02N21W07L06S (7L6)

Last 10 Years

Reverence Elevation -12R1 = 134.19 feet

Reference Elevation - 7L6 = 145.75 feet

Reference Elevation -12R4 = 137.11 feet

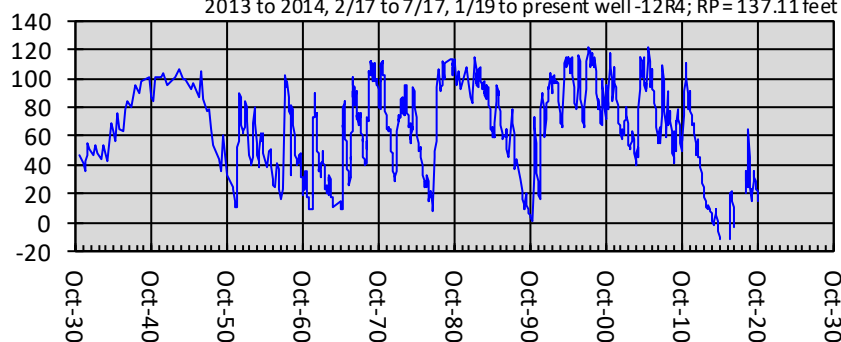


Complete Record

1931 to 2013, well -12R1; RP=134.19 feet

2014 to 1/17, 8/17 to 1/19, well - 7L6; RP =145.75 feet

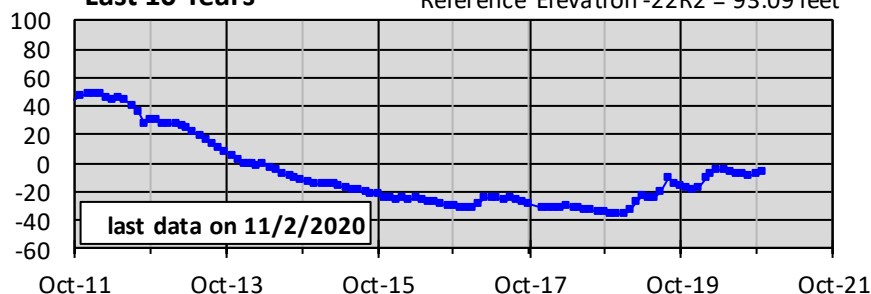
2013 to 2014, 2/17 to 7/17, 1/19 to present well -12R4; RP=137.11 feet



Wells 02N22W22R01S and 02N22W22R02S (22R2)

Last 10 Years

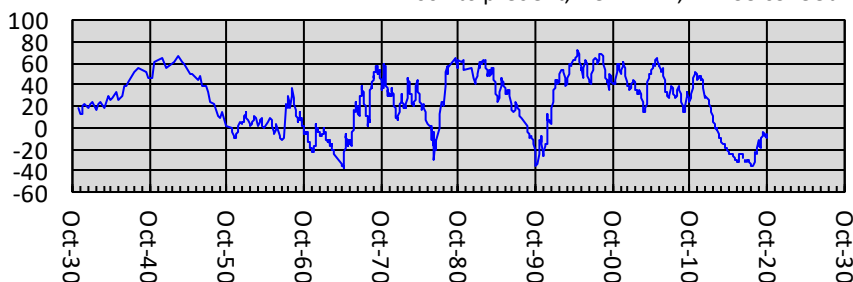
Reference Elevation -22R2 = 93.09 feet



Complete Record

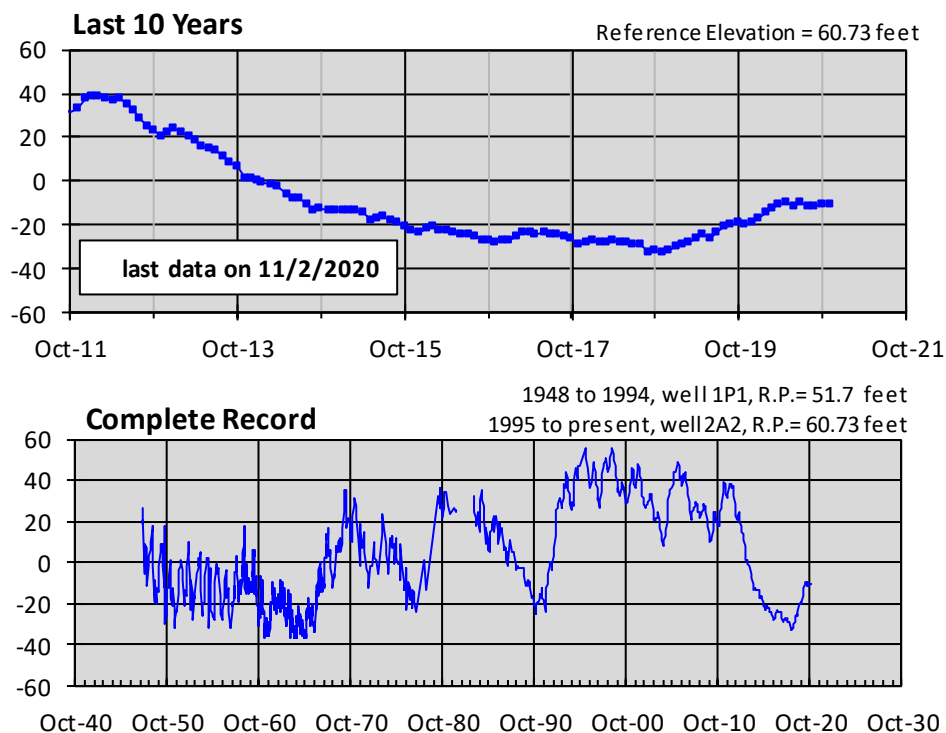
1931 to 2004, well -22R1, RP=93.6 feet

2004 to present, well -22R2, RP = 93.09 feet

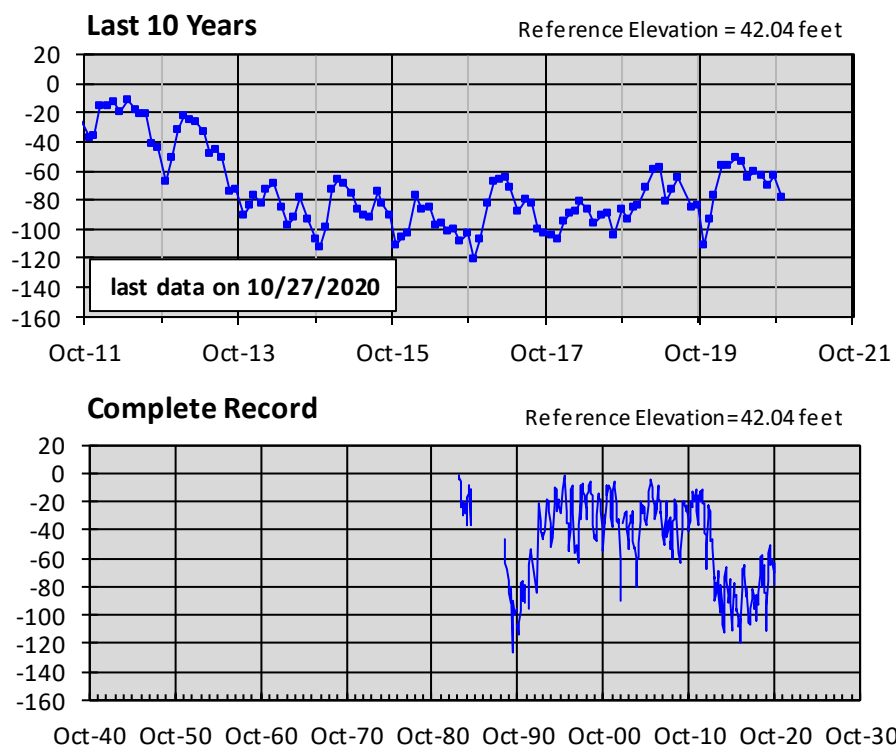


Oxnard Basin Key Wells Groundwater Elevation Records

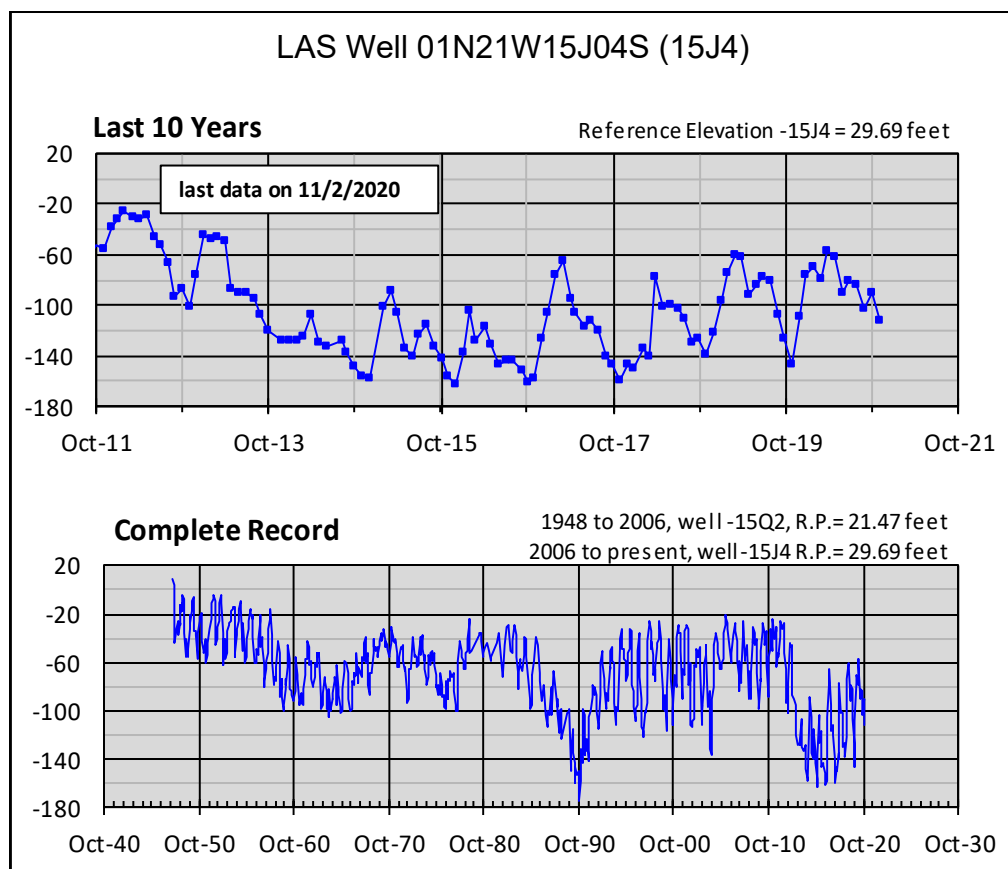
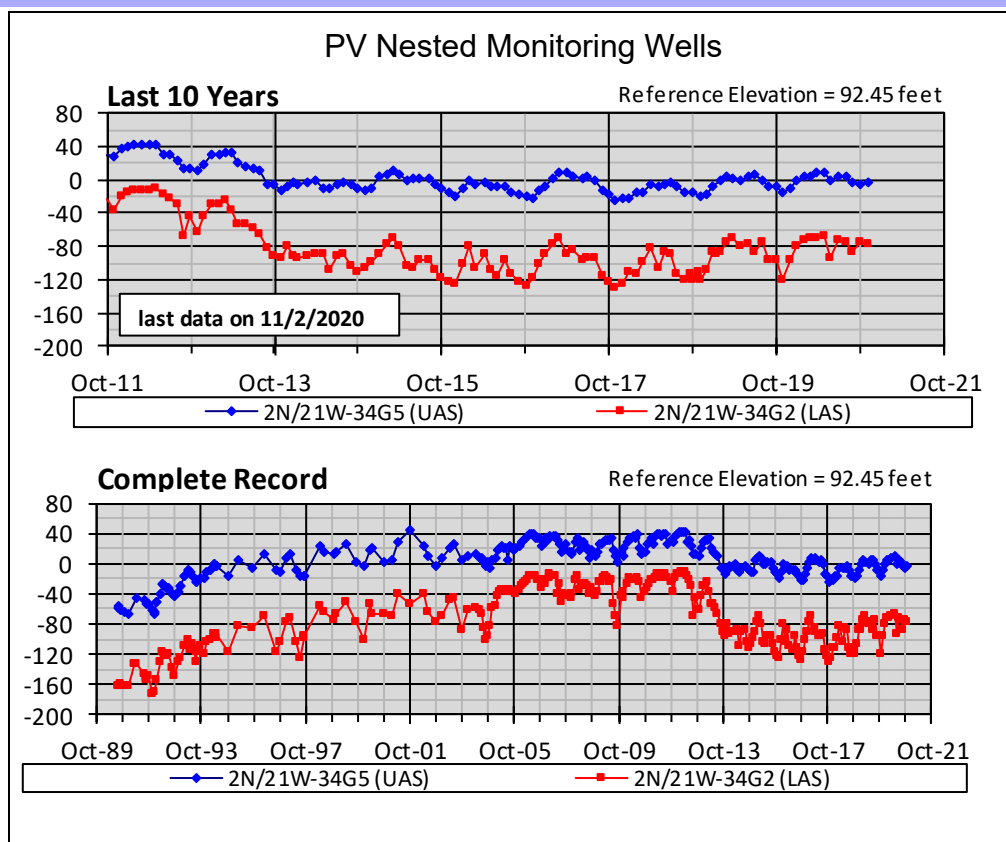
UAS Well 01N22W02A02S (2A2)



LAS well 01N22W13D03S (13D3)

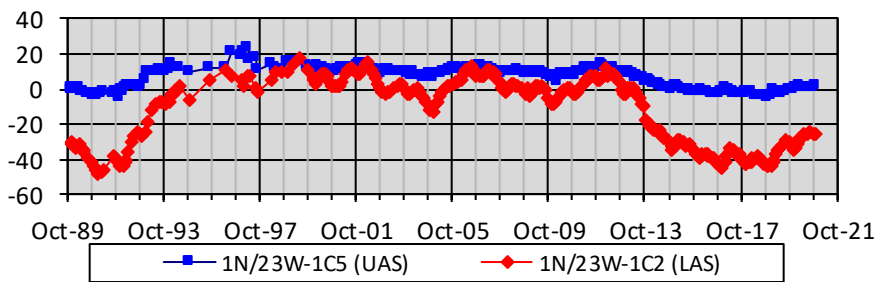


Pleasant Valley Basin Key Wells Groundwater Elevation Records

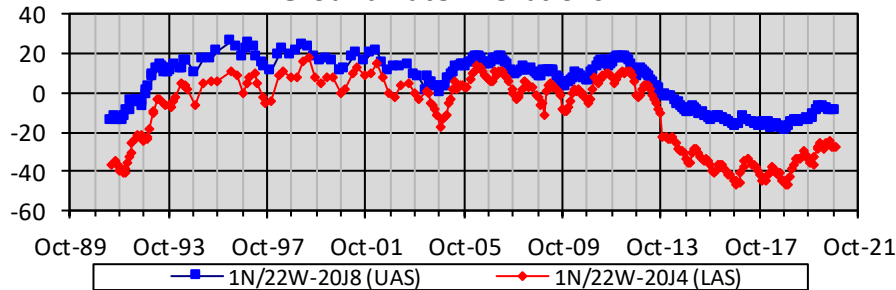


Oxnard Plain Coastal Key Wells—Nested Monitoring Wells

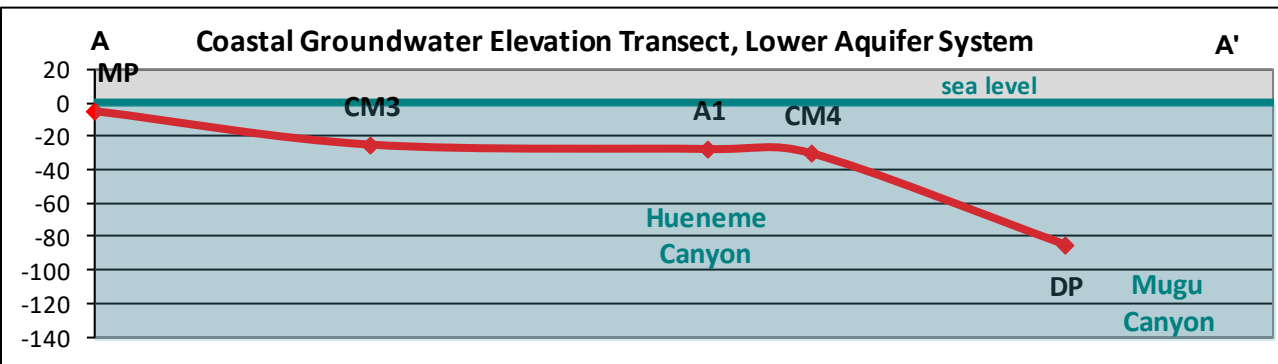
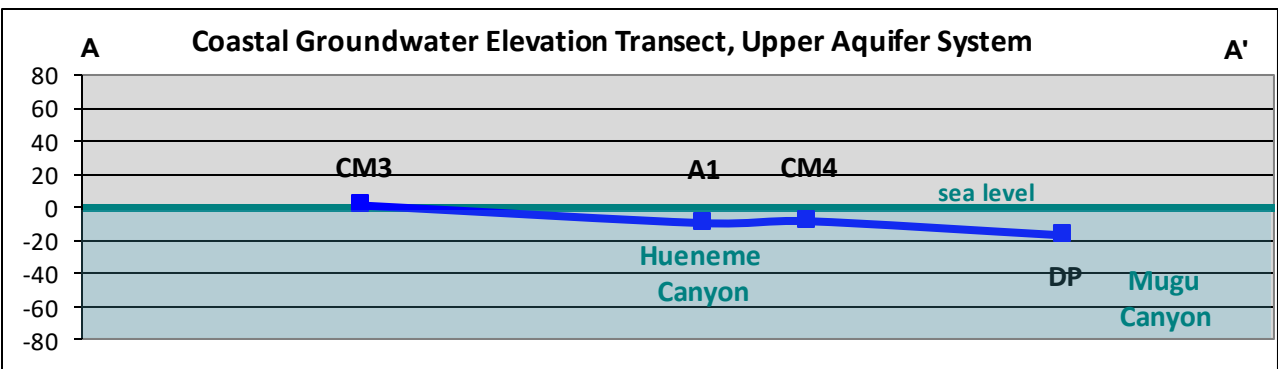
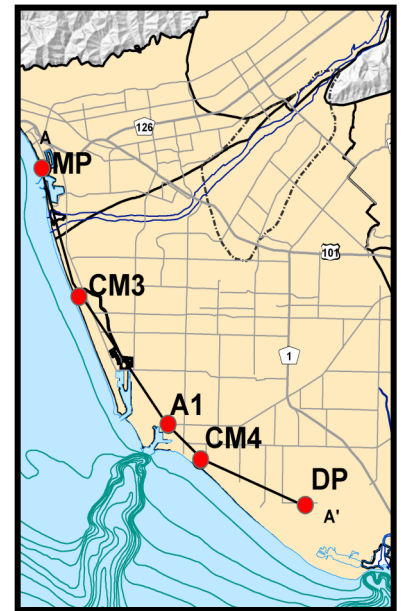
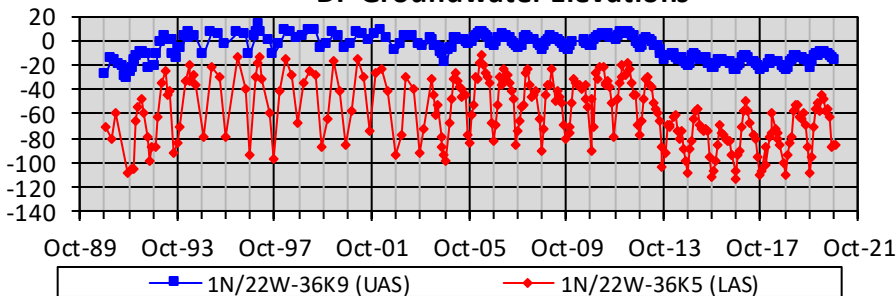
CM3 Groundwater Elevations



A1 Groundwater Elevations



DP Groundwater Elevations



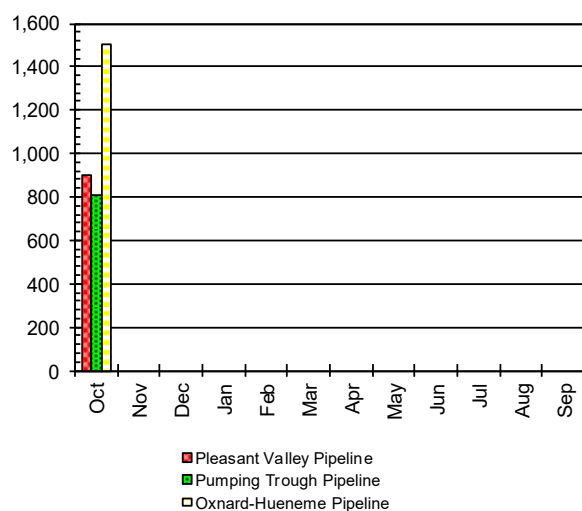
Monthly Water Deliveries, acre-feet (Water Year 2020/21)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
PV Pipeline (surface water)	902.5											
PV Pipeline (saticoy well field)	0.0											
Total to Pleasant Valley Pipeline	902.5											
Saticoy Well Field	0.0											
PTP (surface water)	783.7											
PTP (groundwater)	24.8											
PTP (Saticoy well field)	0.0											
Total PTP	808.5											
O-H Pipeline (groundwater)	1,503.0											
Total Surface Water Delivery (PTP & PV)	1,686.2											
Total Groundwater Delivery (OH & PTP)	1,527.8											
Total Delivery, Surface Water & GW	3,214.0											

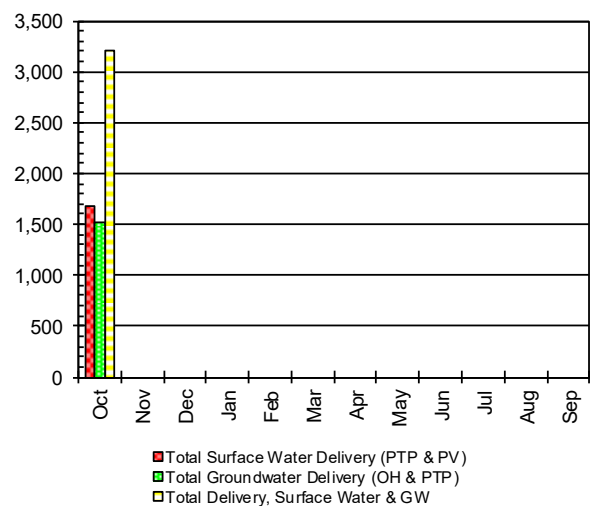
Cumulative Water Deliveries, acre-feet (Water Year 2020/21)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
PV Pipeline (surface water)	902.5											
PV Pipeline (saticoy well field)	0.0											
Total to Pleasant Valley Pipeline	902.5											
Saticoy Well Field	0.0											
PTP (surface water)	783.7											
PTP (groundwater)	24.8											
PTP (Saticoy well field)	0.0											
Total PTP	808.5											
O-H Pipeline (groundwater)	1,503.0											
Total Surface Water Delivery (PTP & PV)	1,686.2											
Total Groundwater Delivery (OH & PTP)	1,527.8											
Total Delivery, Surface Water & GW	3,214.0											

Cumulative deliveries by system



Cumulative deliveries by source/type



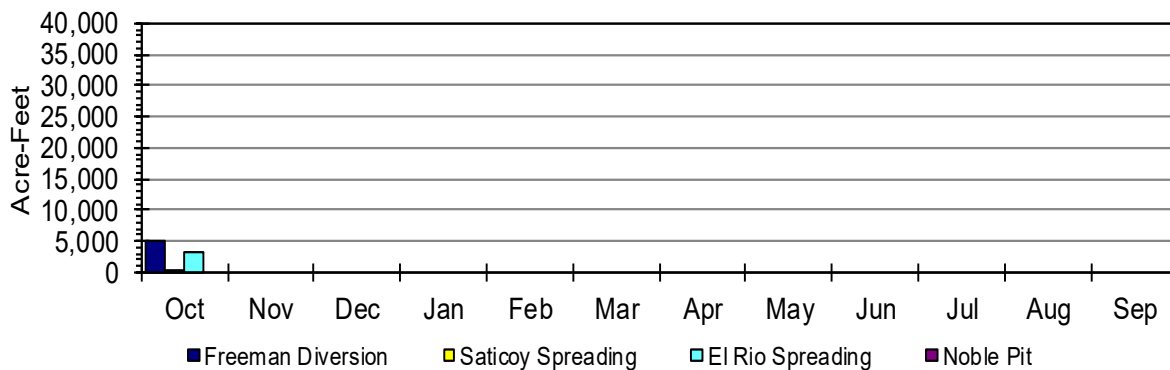
Monthly diversion and recharge totals by facility, 2020/21, in acre-feet

Month	Piru Spreading	Freeman Diversion	Saticoy Spreading	El Rio Spreading	Noble Pit
Oct	0	5,073	365	3,155	0
Nov					
Dec					
Jan					
Feb					
Mar					
Apr					
May					
Jun					
Jul					
Aug					
Sep					

Cumulative diversion and recharge totals by facility, 2020/21, in acre-feet

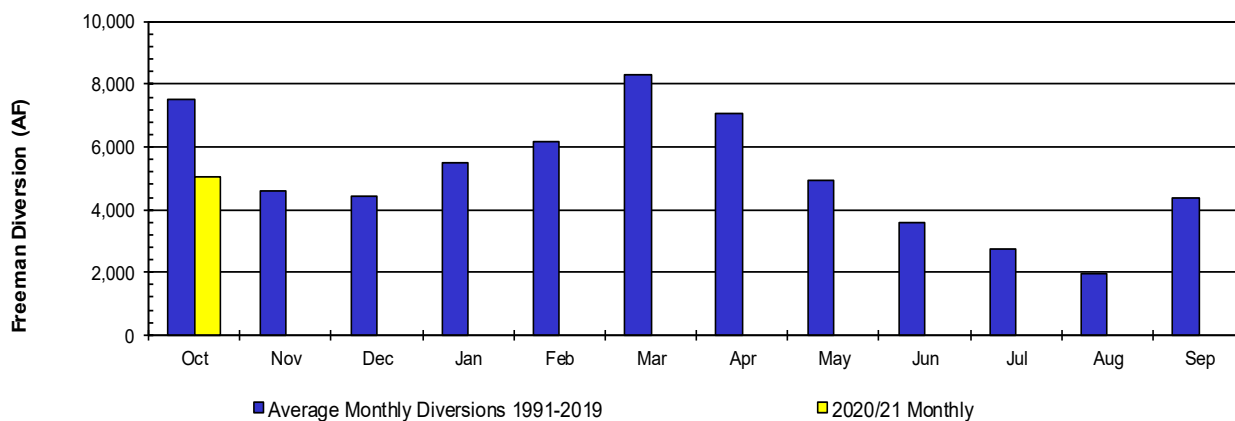
Month	Piru Spreading	Freeman Diversion	Saticoy Spreading	El Rio Spreading	Noble Pit
Oct	0	5,073	365	3,155	0
Nov					
Dec					
Jan					
Feb					
Mar					
Apr					
May					
Jun					
Jul					
Aug					
Sep					

Cumulative diversion at Freeman, and distribution to recharge facilities

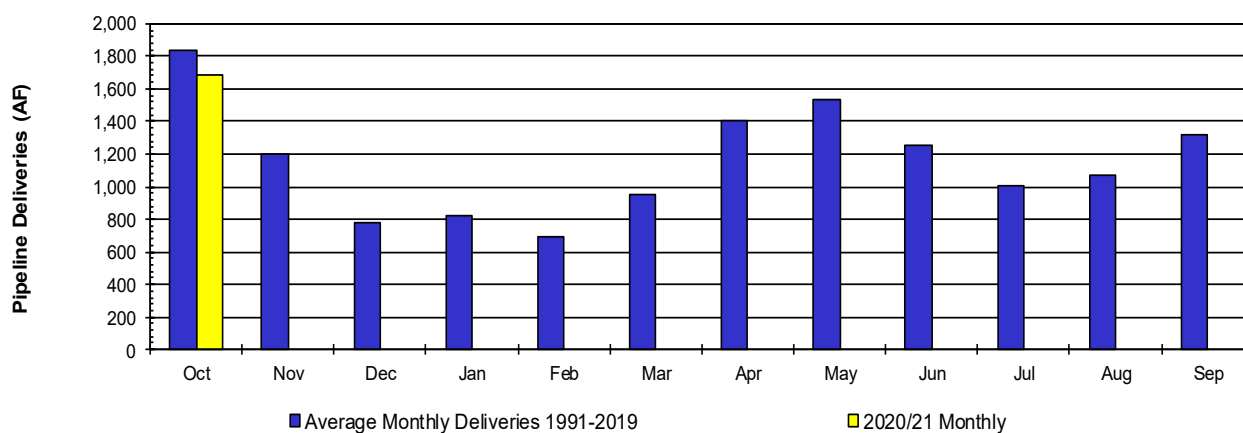


Cumulative diversions to Piru Spreading Grounds, 2020/21 = 0 AF

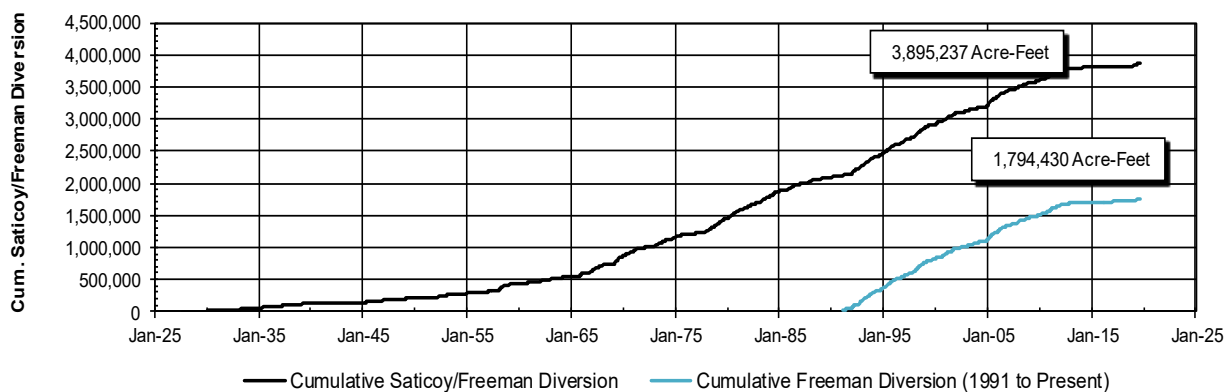
Monthly 2020/21 diversion at Freeman, compared to average monthly diversions (1991-2019)



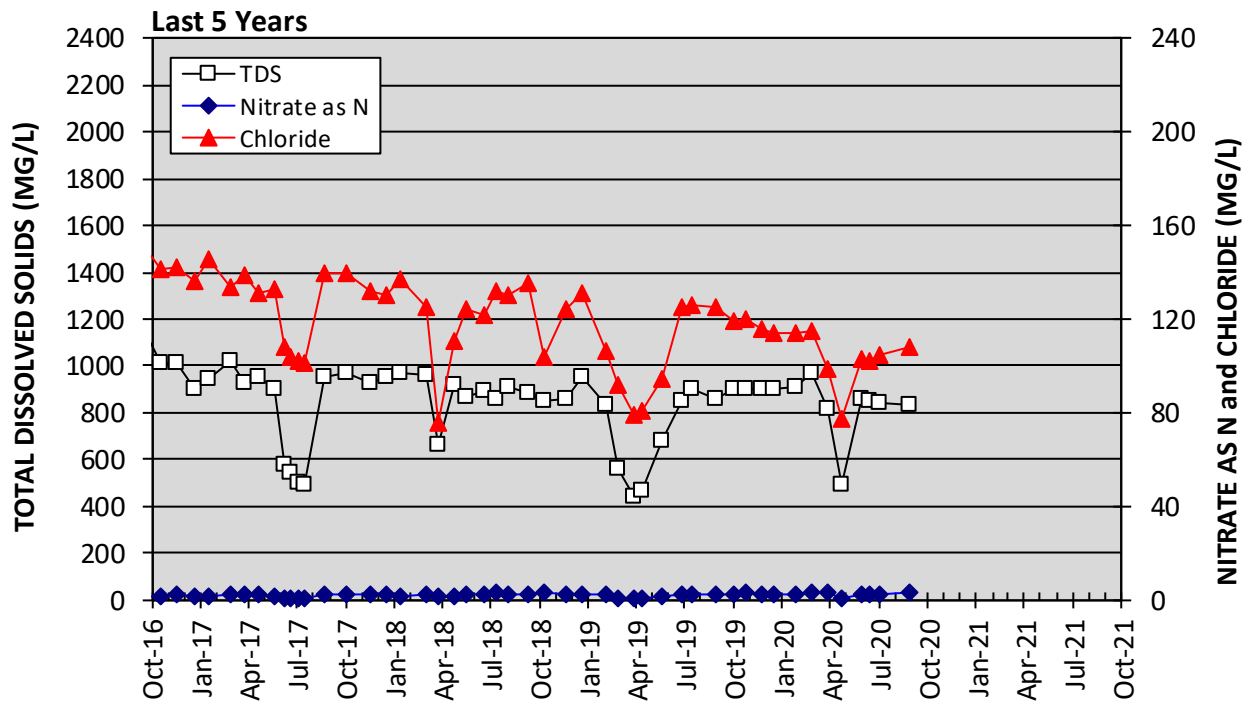
Monthly 2020/21 pipeline deliveries (surface water deliveries), compared to average monthly pipeline deliveries (1991-2019)



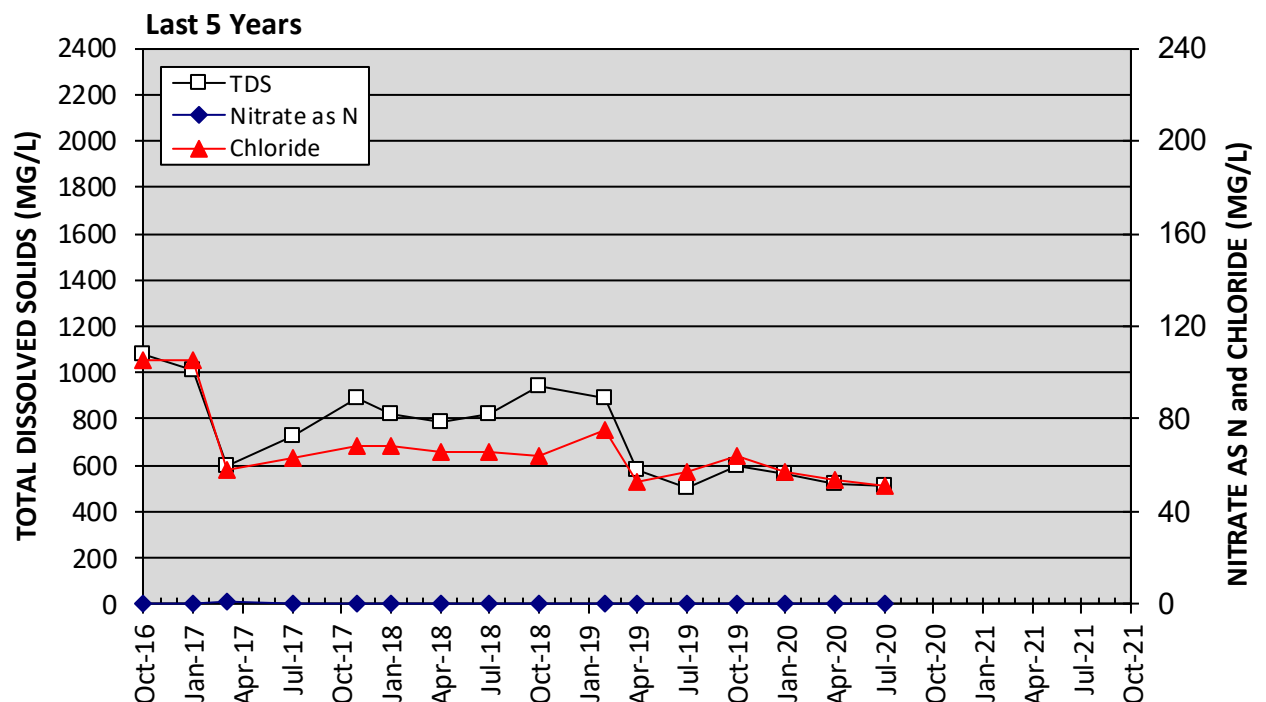
Cumulative diversion at Saticoy and Freeman Diversion, in acre-feet



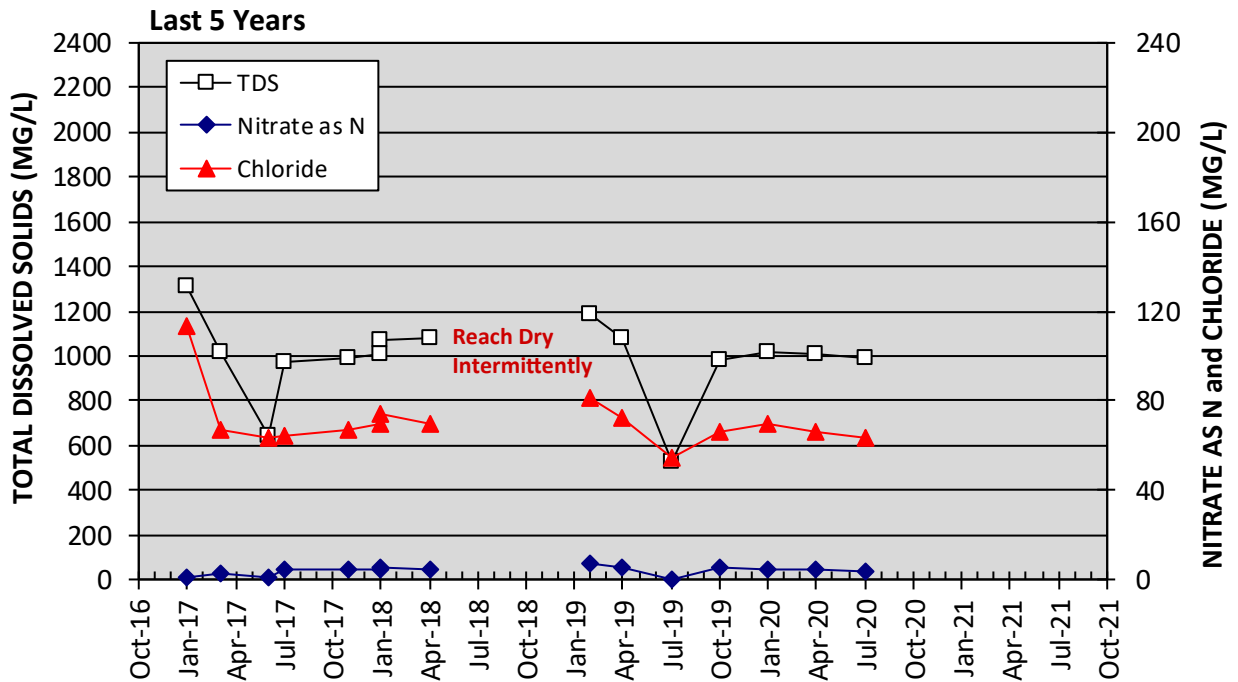
Santa Clara River water quality near Los Angeles/Ventura County line



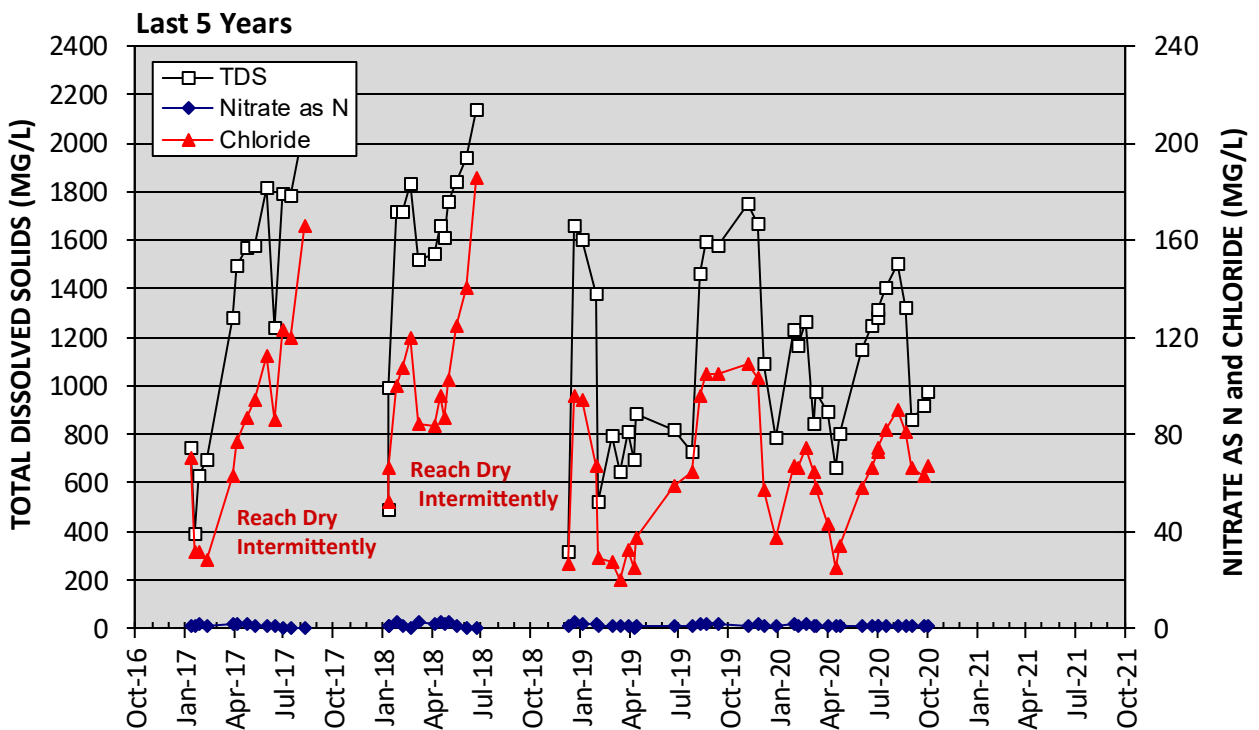
Piru Creek water quality below Santa Felicia Dam



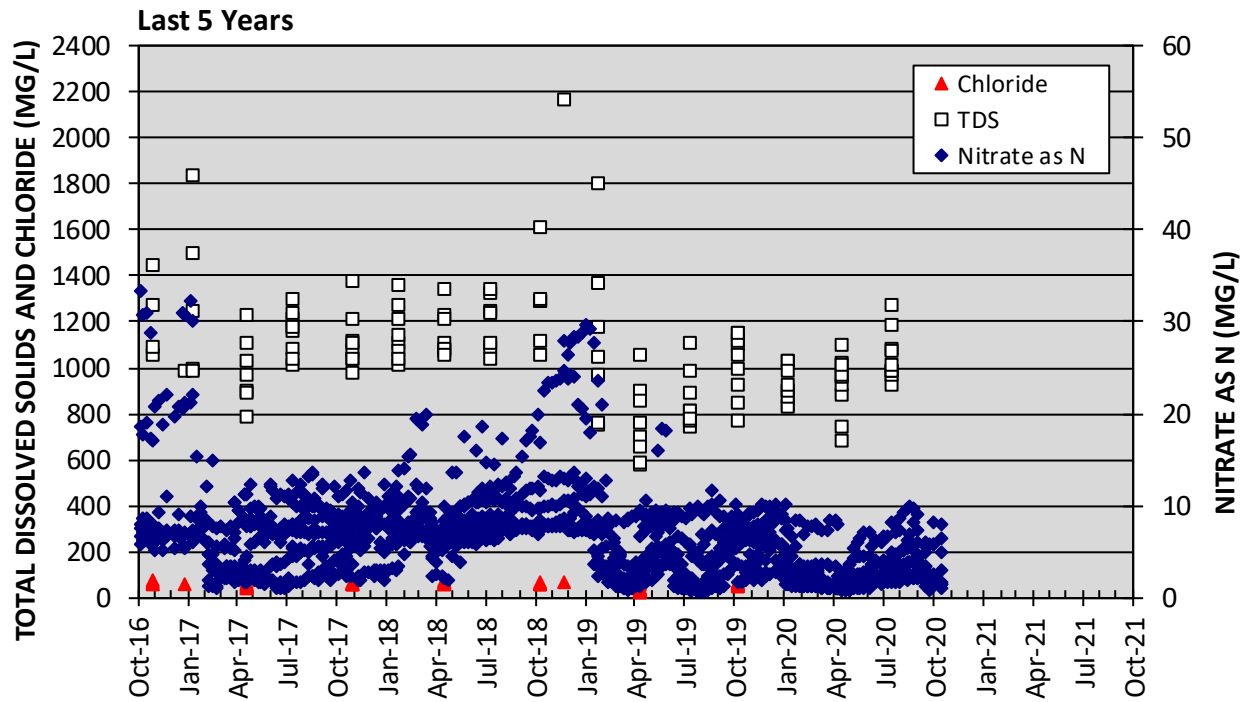
Santa Clara River water quality near Fillmore Fish Hatchery

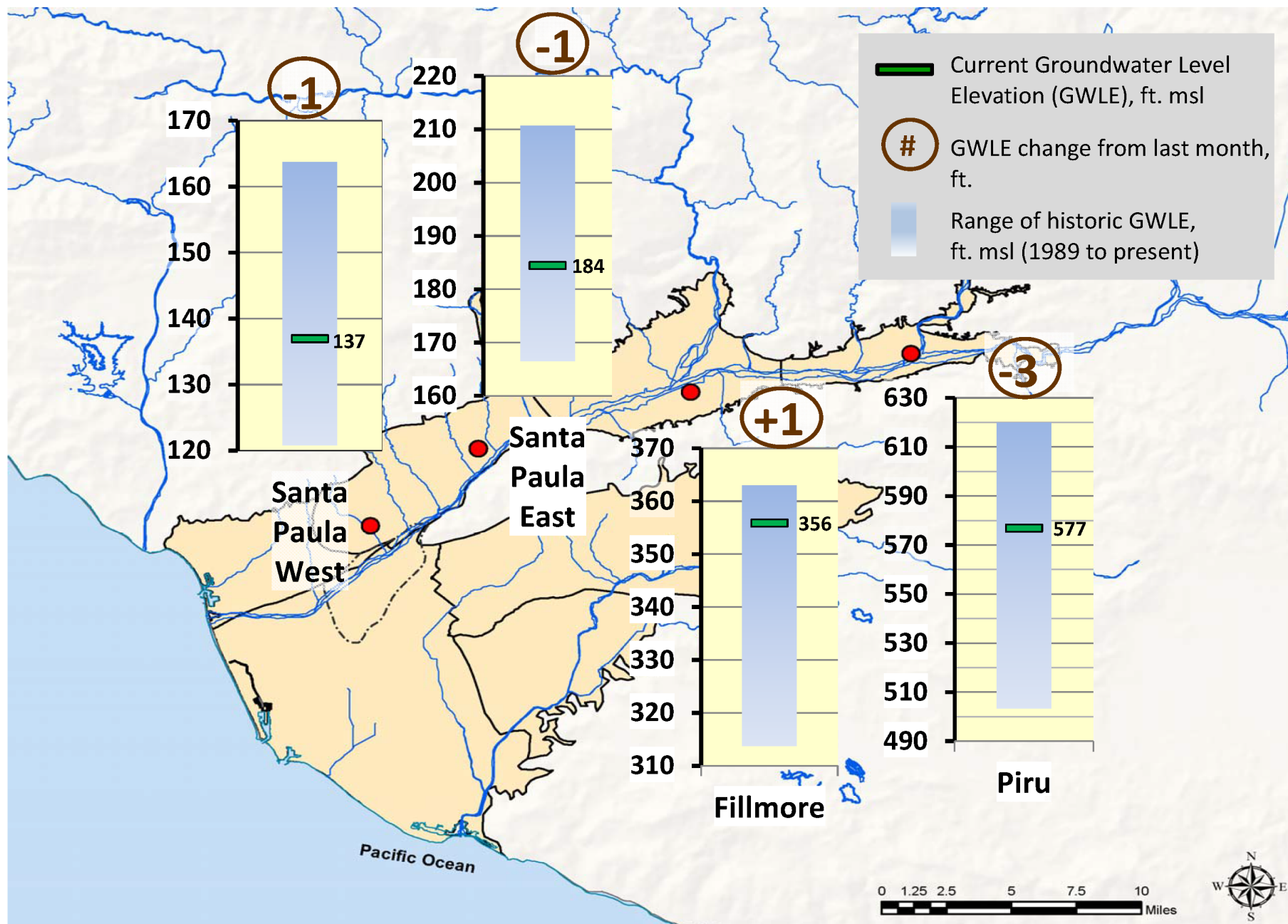


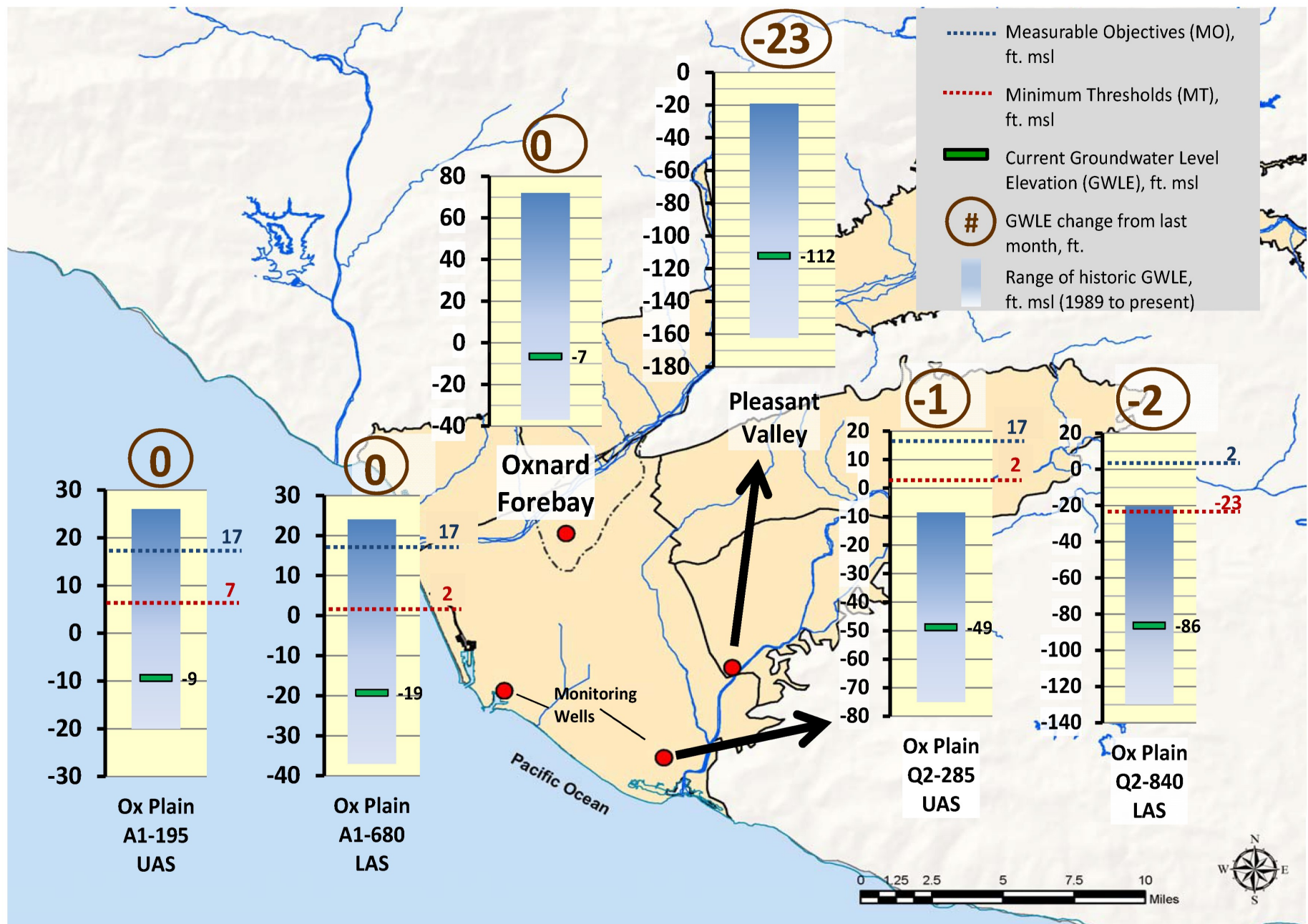
Santa Clara River water quality at Freeman Diversion



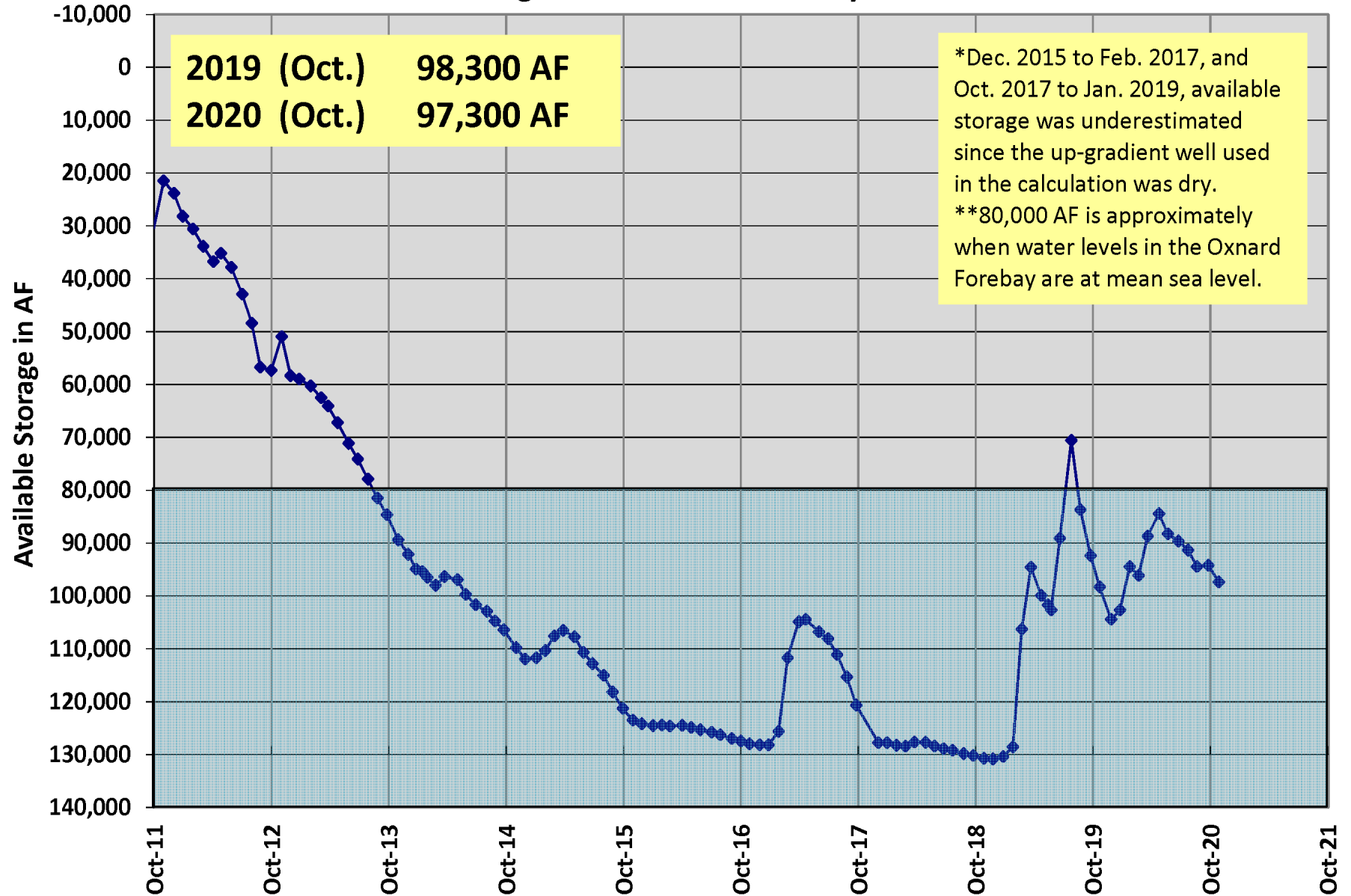
Water quality of Upper Aquifer System wells, El Rio well field

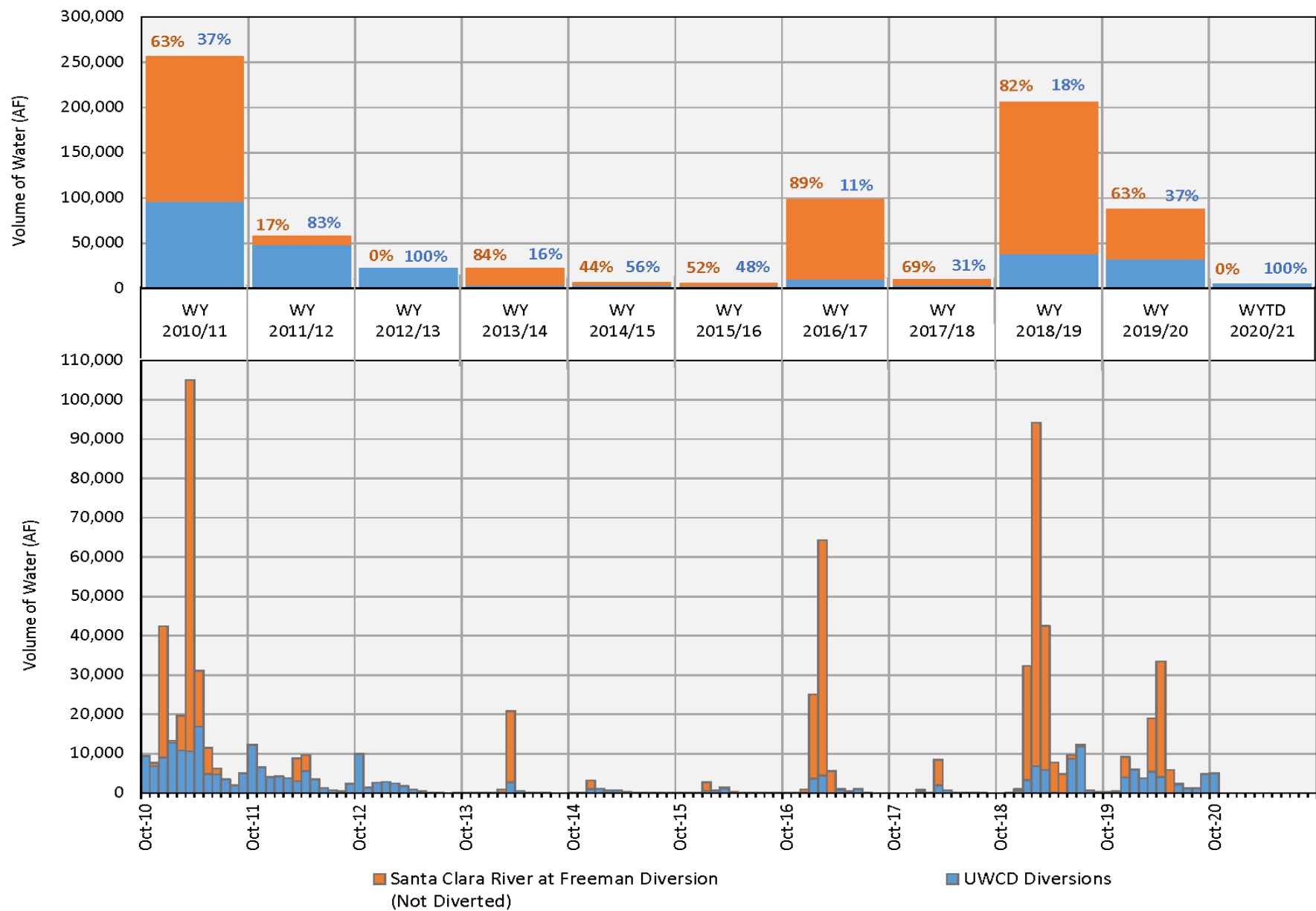






Available Storage in the Oxnard Forebay - Last 10 Years





Water Year (WY) = October 1 to September 30; WYTD = Water Year To Date