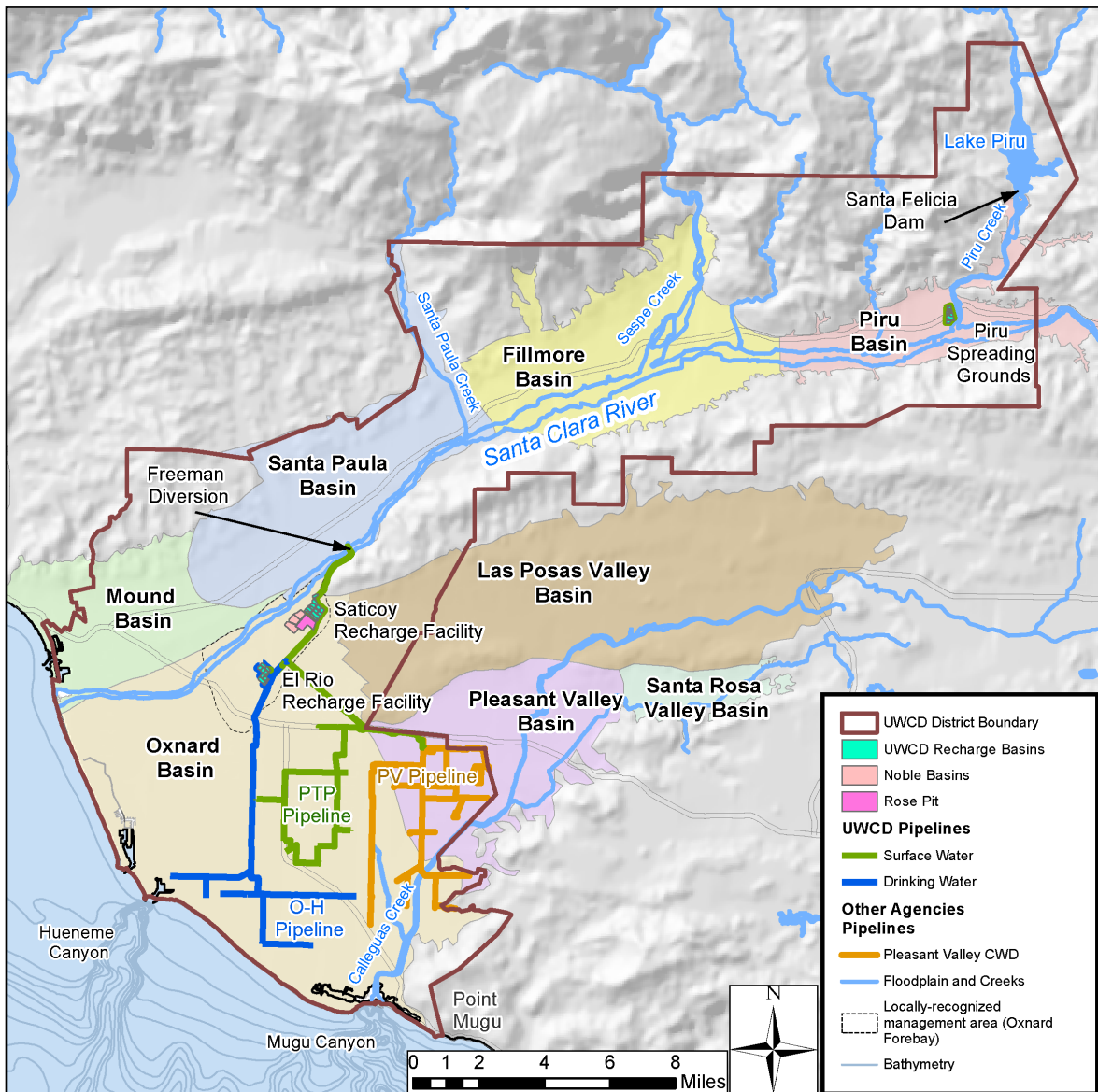


December 2022 Hydrologic Conditions Report 2022/23 Water Year

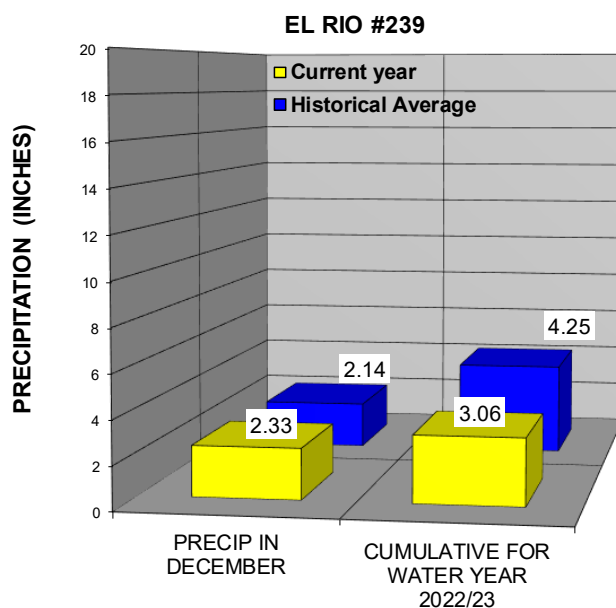
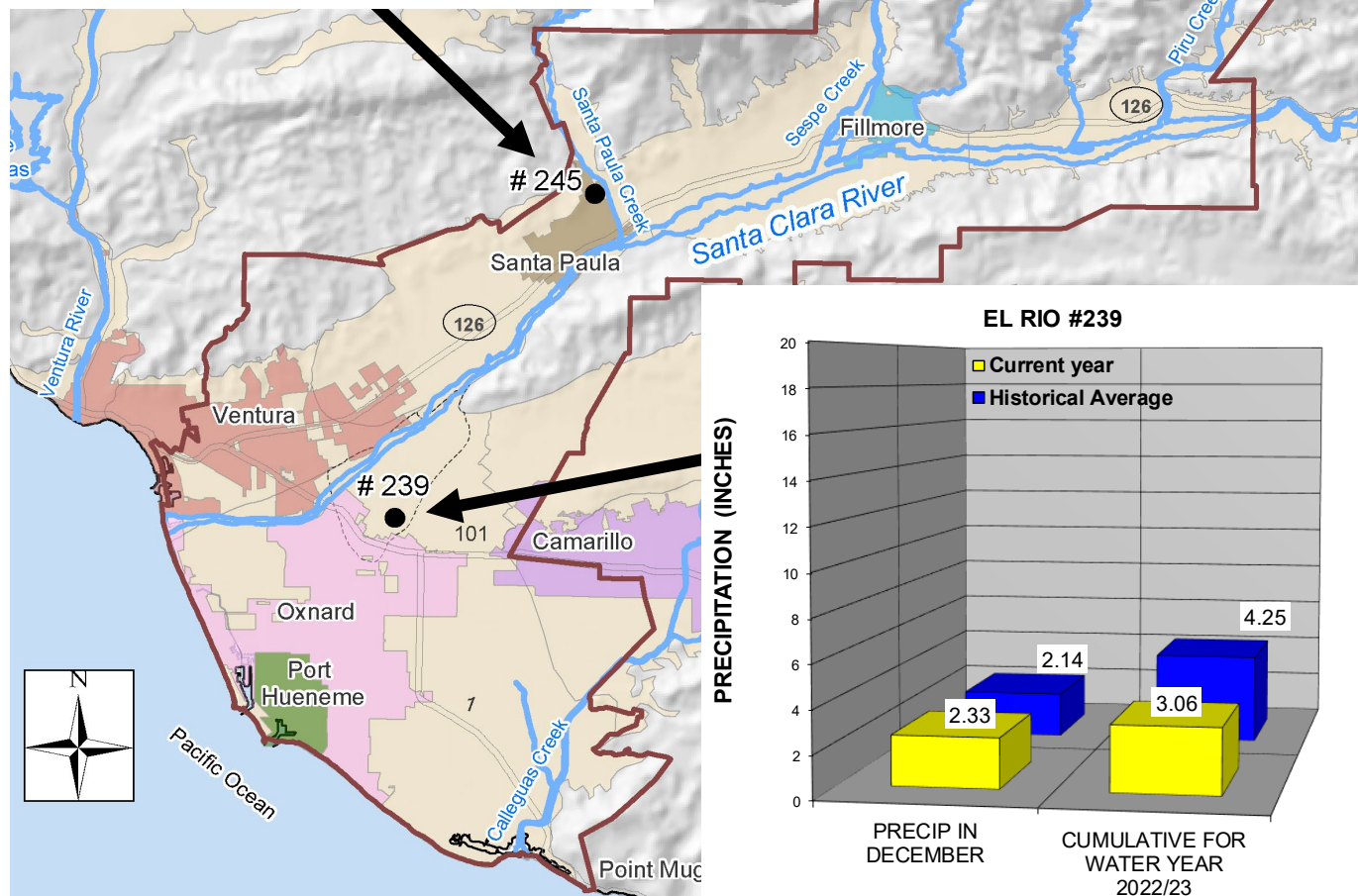
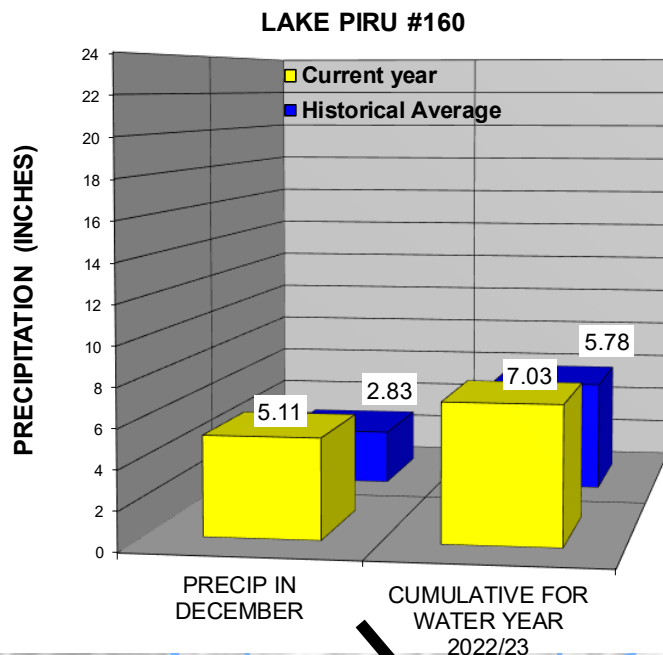
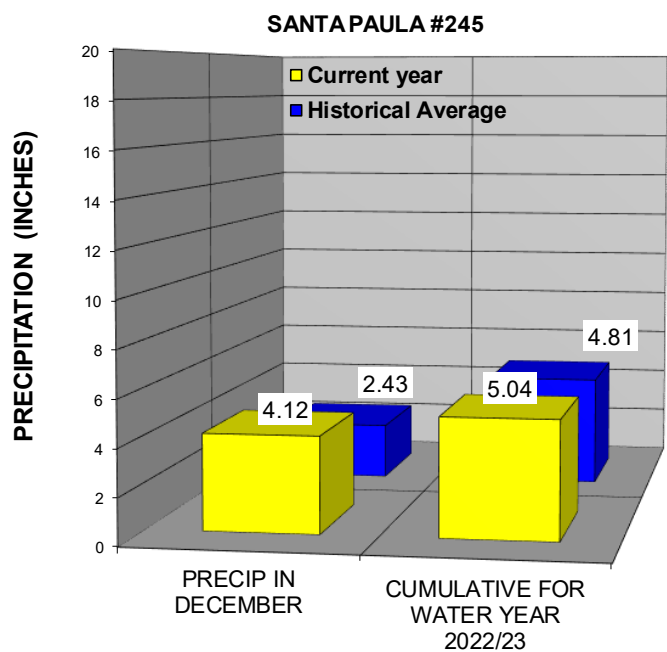
January 4, 2023



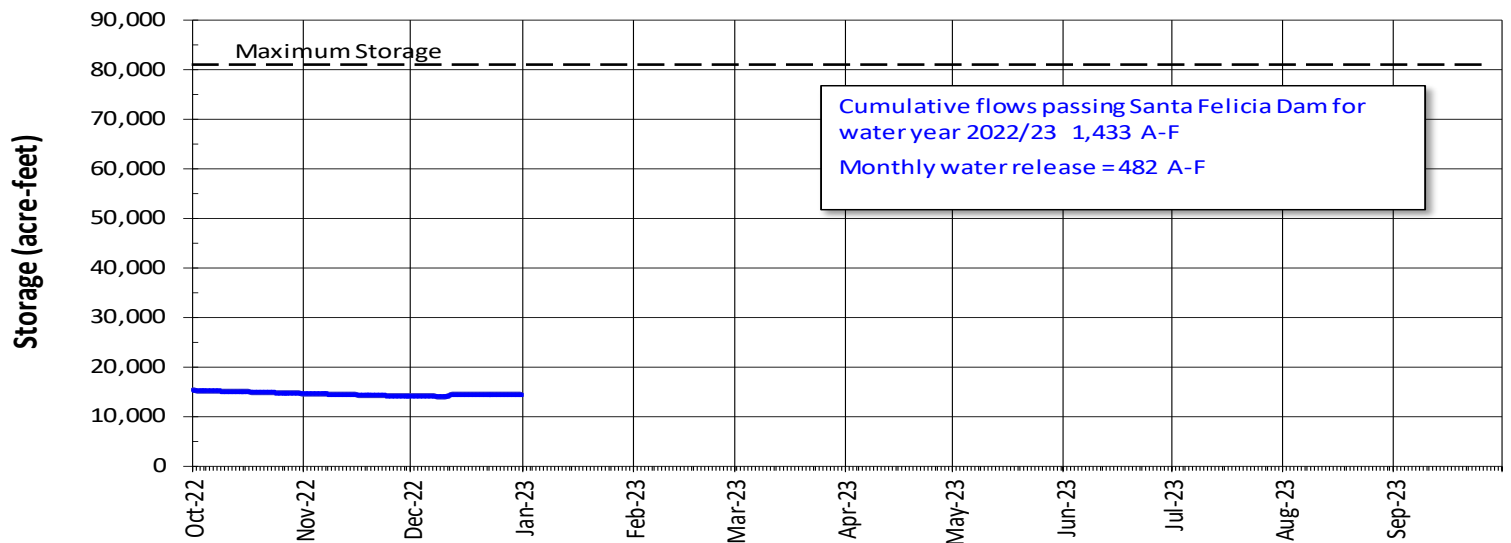
Note: This report may contain provisional data until final review at the end of the water year.

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Precipitation

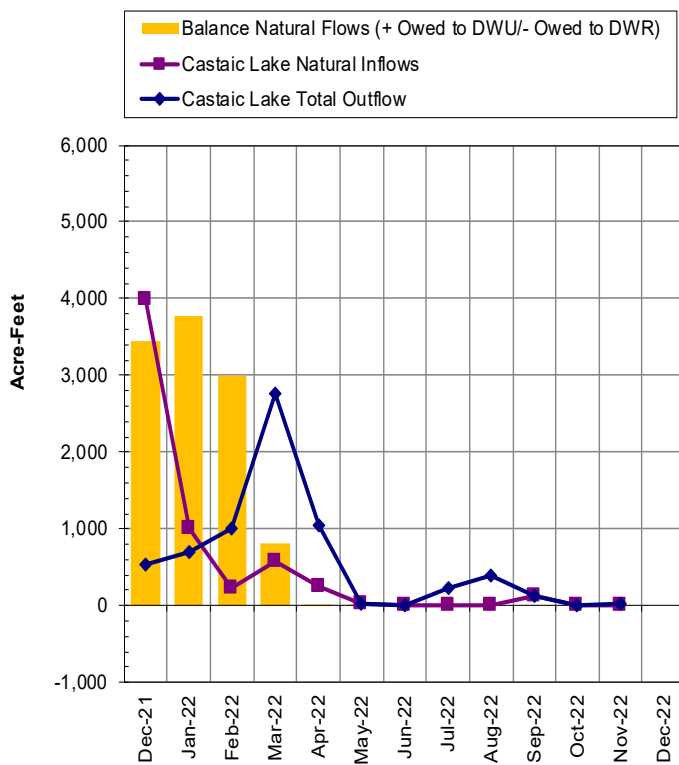


District-wide percent of normal precipitation = 102%

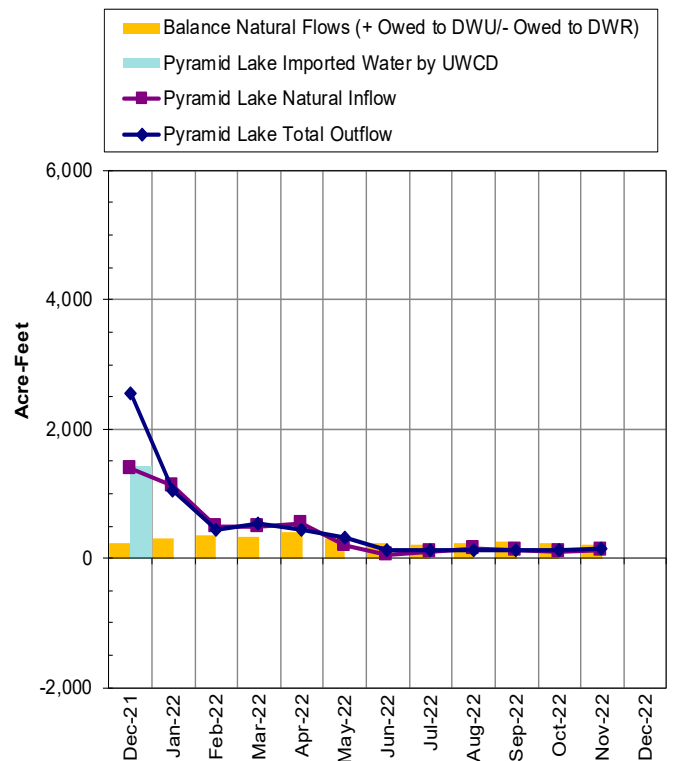


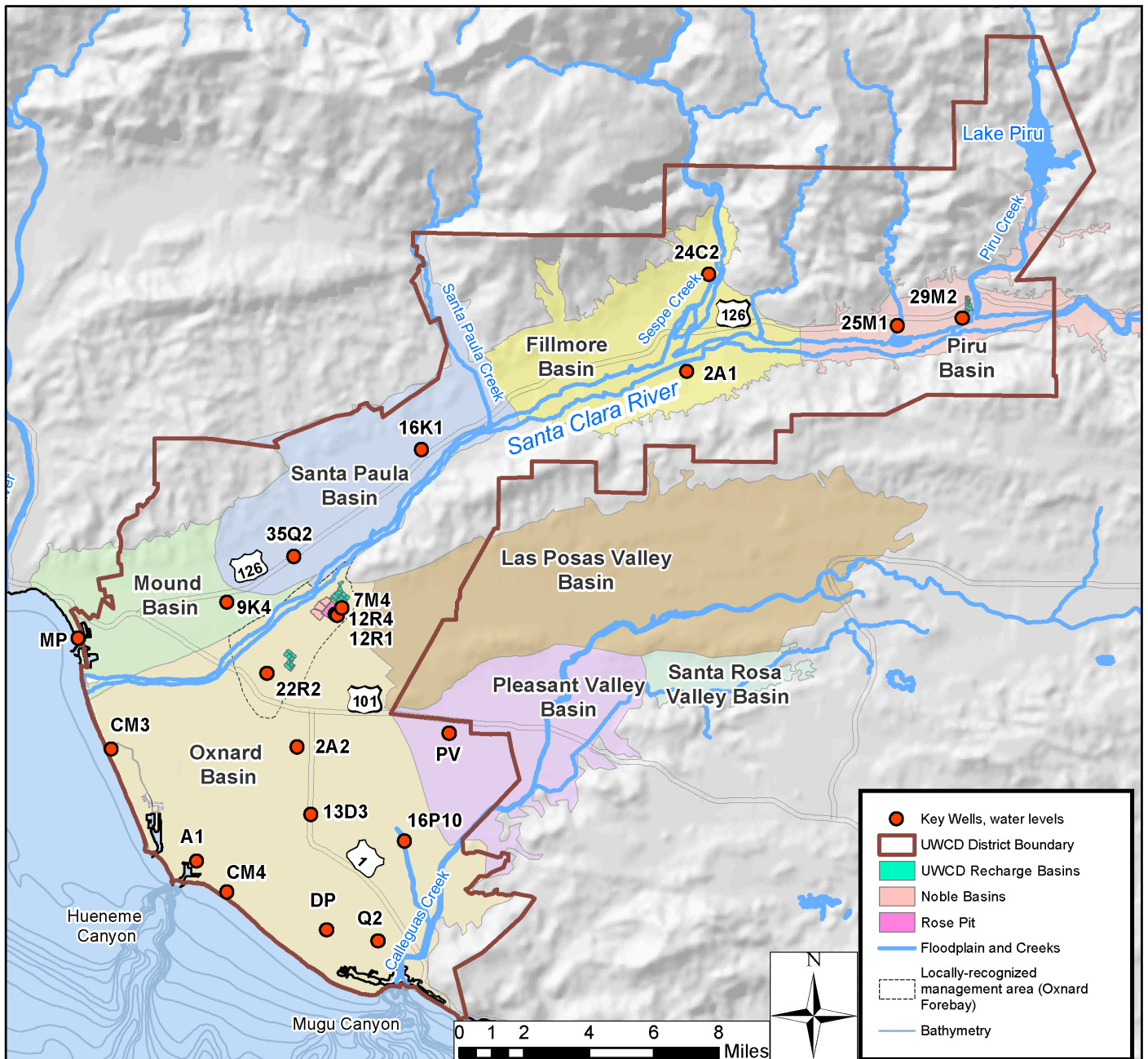
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Hydro Plant Outflow (Acre-Feet)	0	0	0									
Cumulative Hydro Plant Outflow (A-F)	0	0	0									

Castaic Lake releases to downstream water users (DWU)



Pyramid Lake releases to UWCD

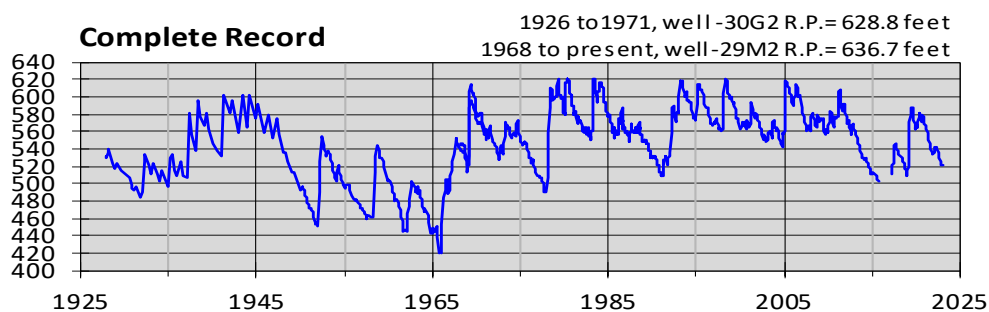
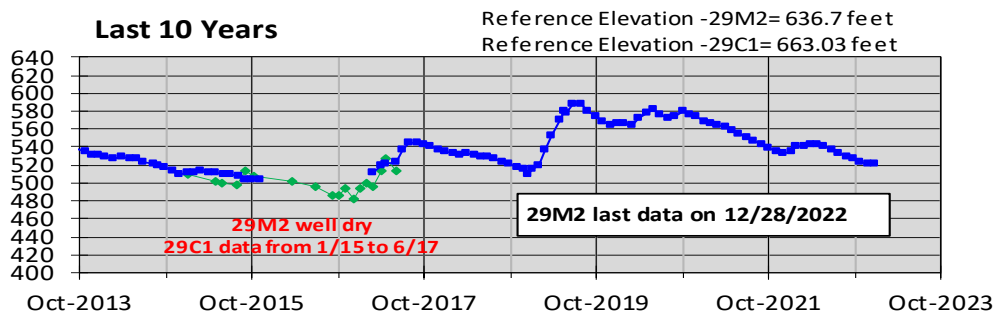




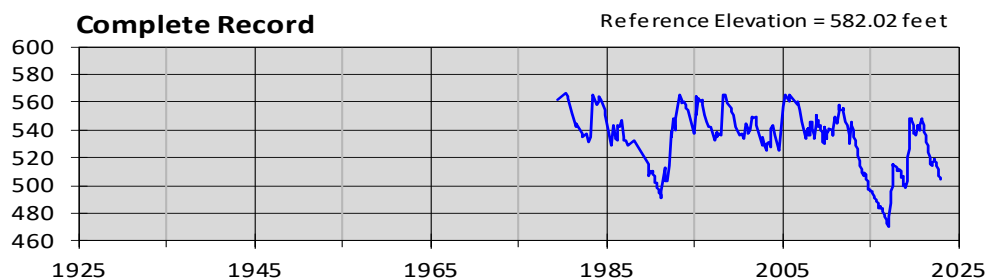
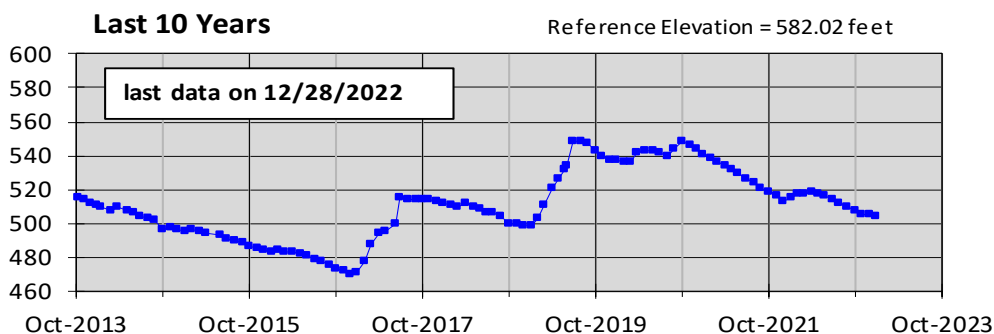
Locations of Key Wells, Monthly Groundwater Elevation Monitoring

Groundwater Elevation Records – Piru Basin

Well 04N18W29M02S (29M2)

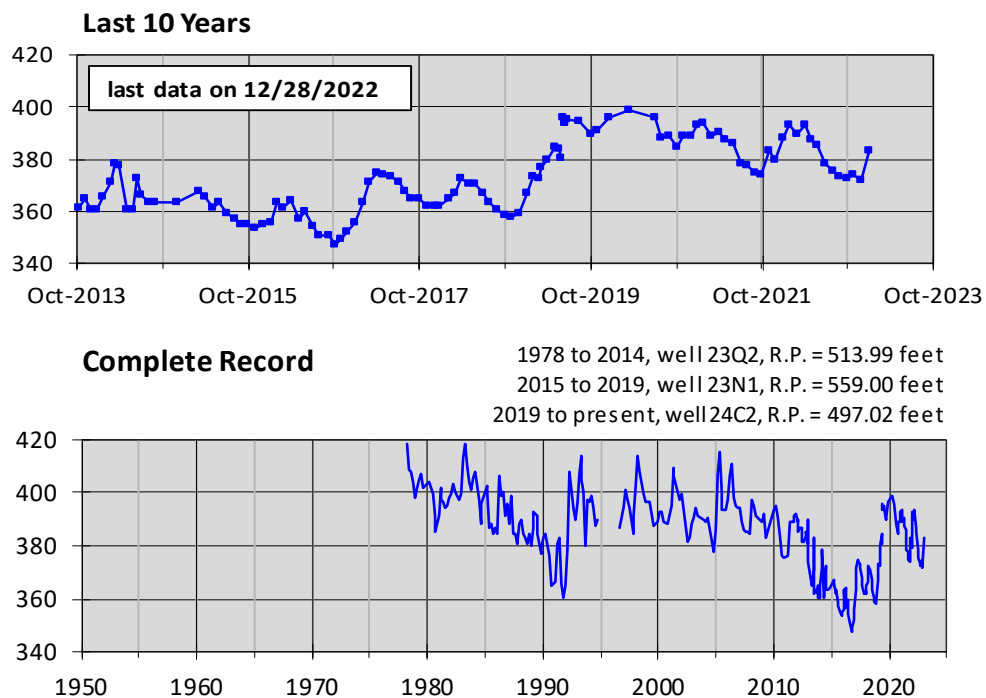


Well 04N19W25M01S (25M1)

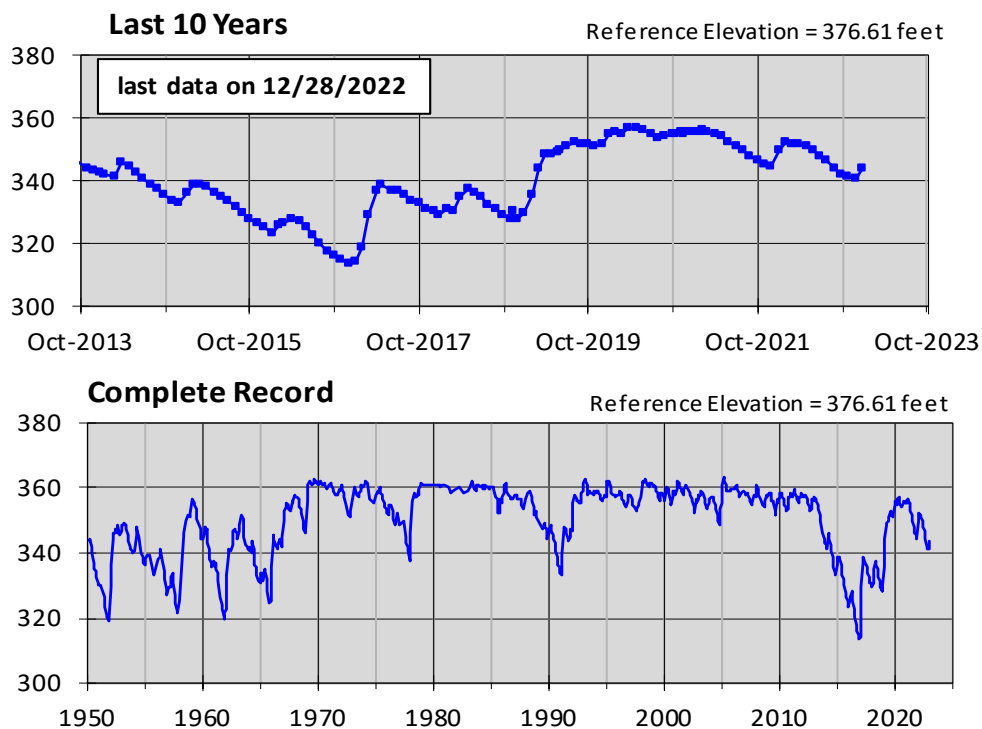


Groundwater Elevation Records – Fillmore Basin

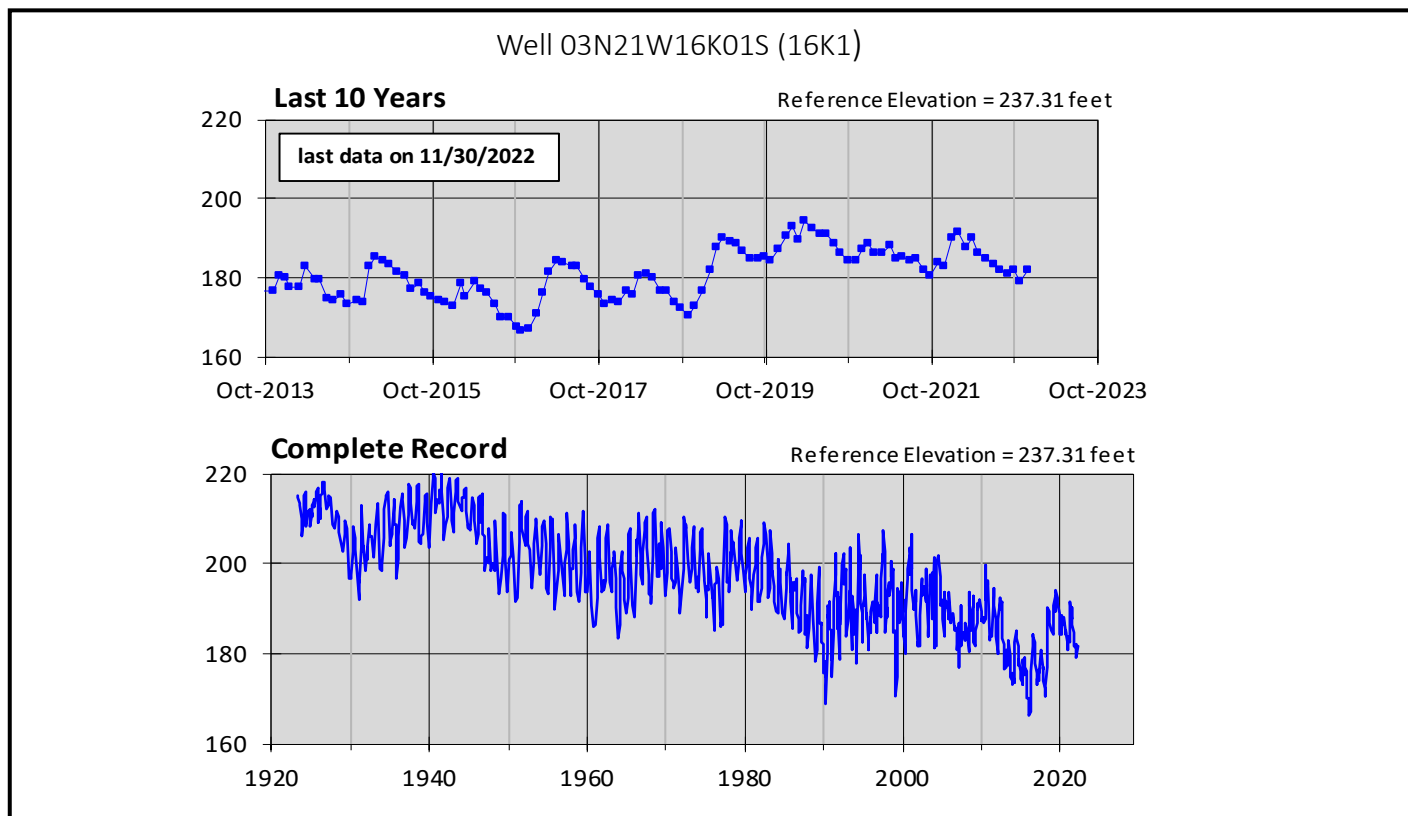
Well 04N20W24C02S (24C2)



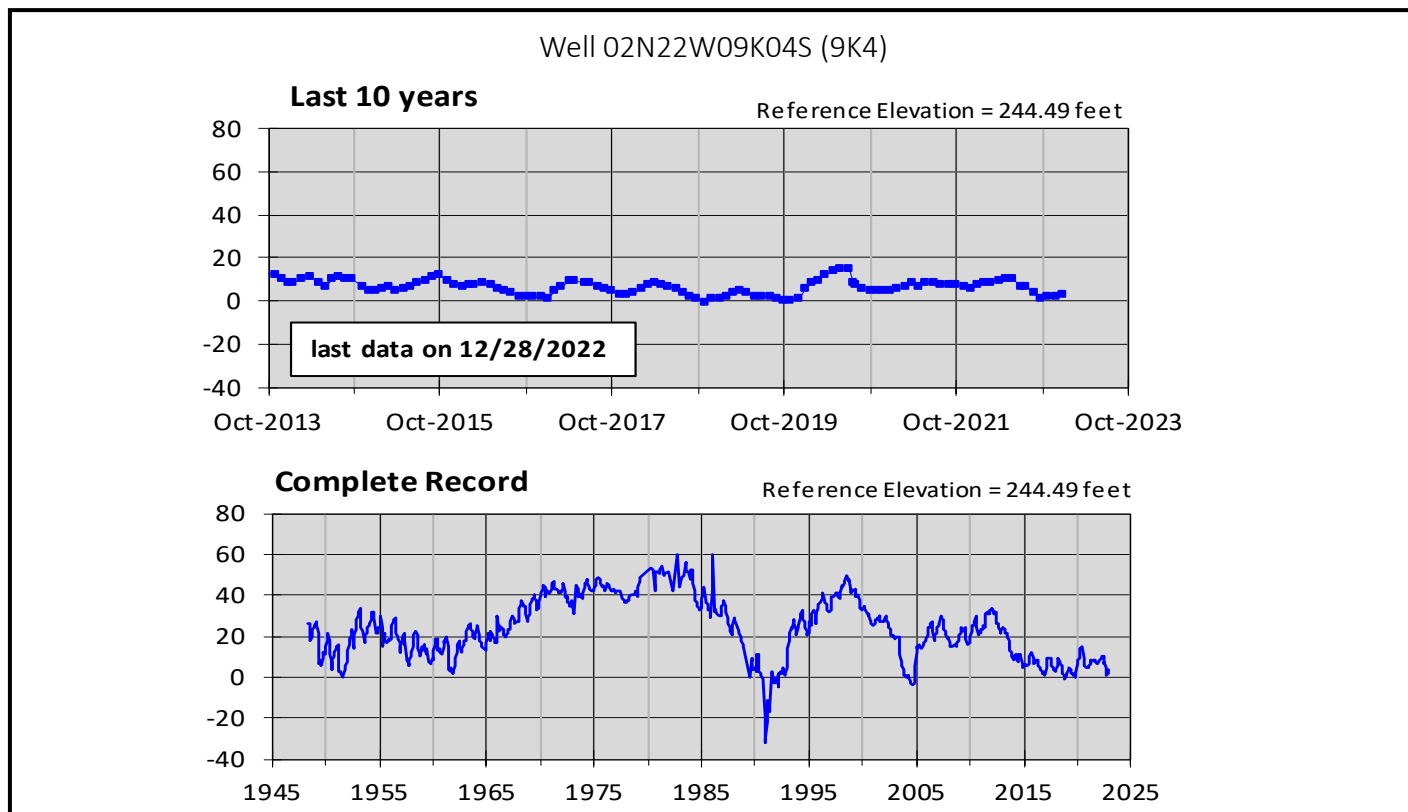
Well 03N20W02A01S (2A1)



Groundwater Elevation Records – Santa Paula Basin



Groundwater Elevation Records – Mound Basin

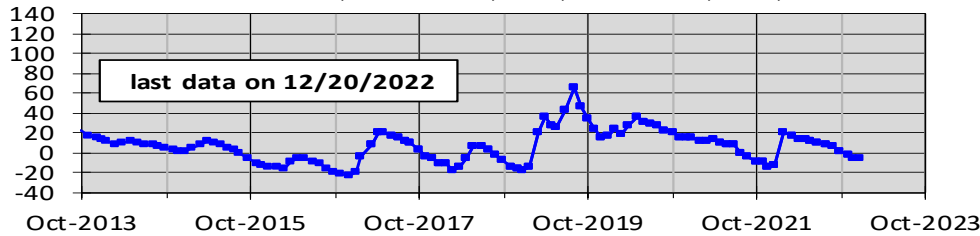


Groundwater Elevation Records – Oxnard Basin, Forebay

Wells 02N22W12R01S (12R1), 02N22W12R04S (12R4), and 02N21W07M04S (7M4)

Last 10 Years

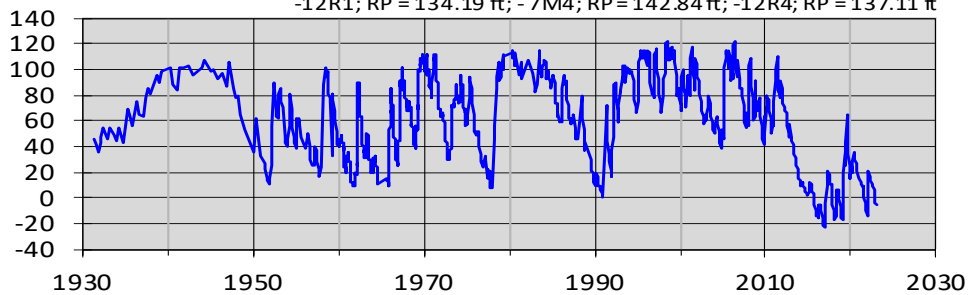
-12R1; RP = 134.19 ft; - 7M4; RP = 142.84 ft; -12R4; RP = 137.11 ft



Note: Well 12R1 was destroyed in 2014 and replaced with well 12R4. When well 12R4 goes dry at approximately 9 ft msl, well 7M4 is used to measure groundwater level.

Complete Record

-12R1; RP = 134.19 ft; - 7M4; RP = 142.84 ft; -12R4; RP = 137.11 ft

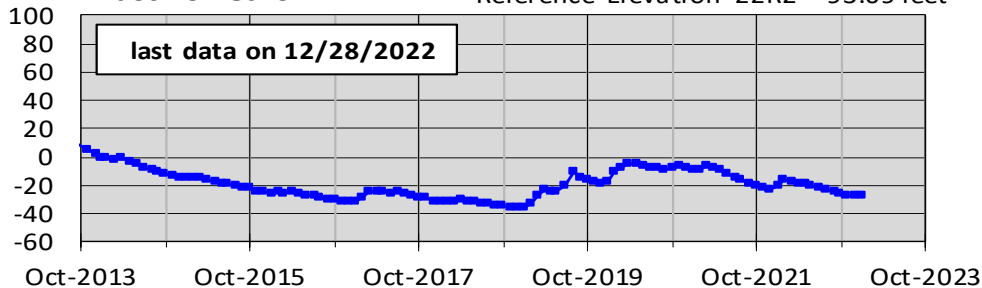


Note: Well 12R1 was destroyed in 2014 and replaced with well 12R4. When well 12R4 goes dry at approximately 9 ft msl, well 7M4 is used to measure groundwater level.

Well 02N22W22R02S (22R2)

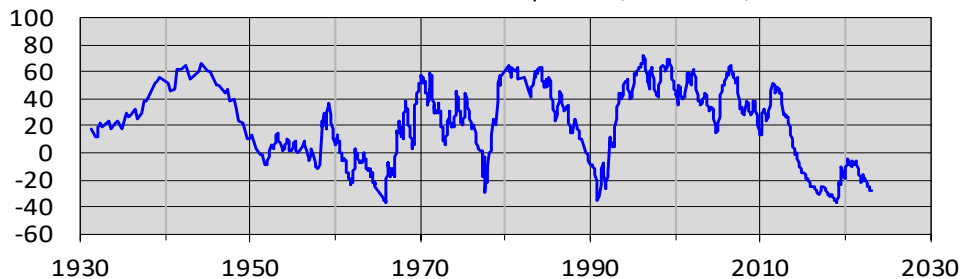
Last 10 Years

Reference Elevation -22R2 = 93.09 feet



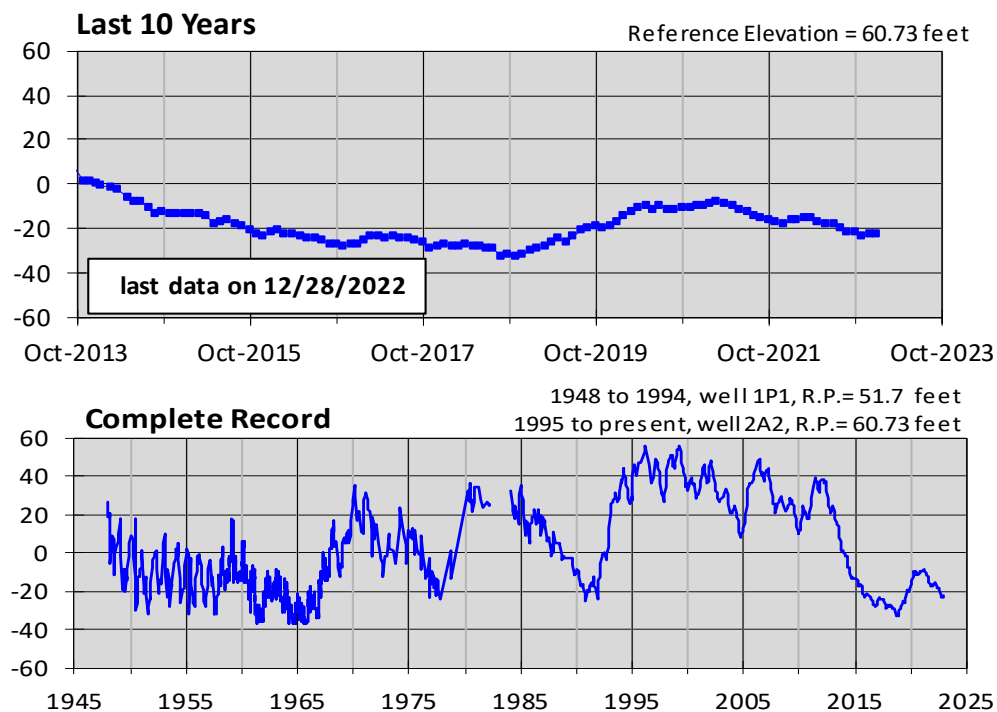
Complete Record

1931 to 2004, well -22R1, RP = 93.6 feet
2004 to present, well -22R2, RP = 93.09 feet

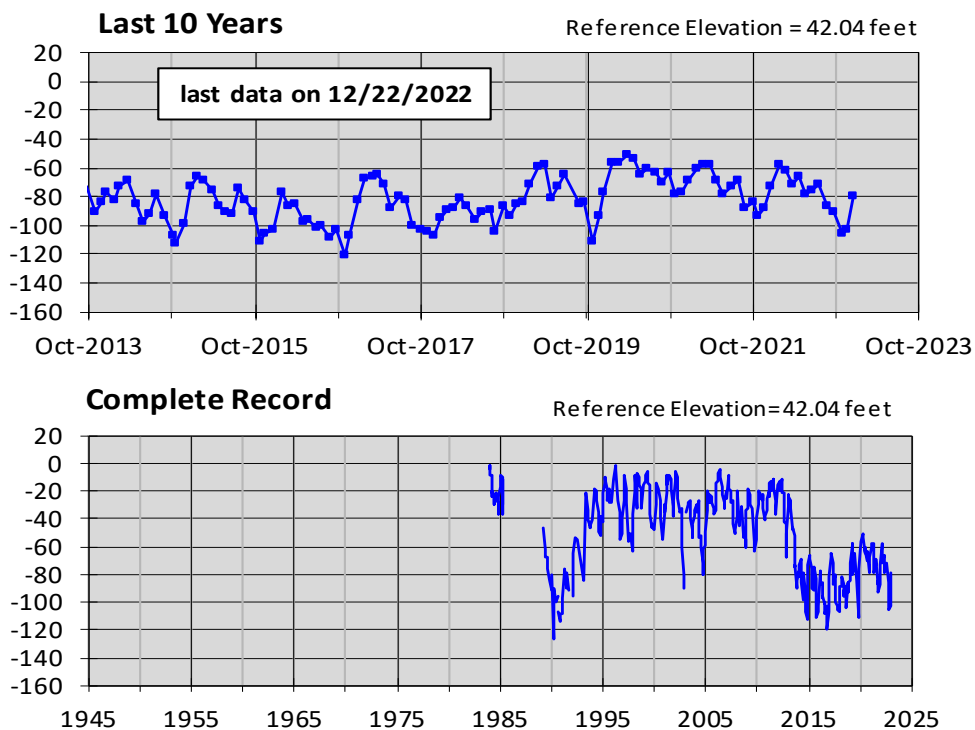


Groundwater Elevation Records – Oxnard Basin

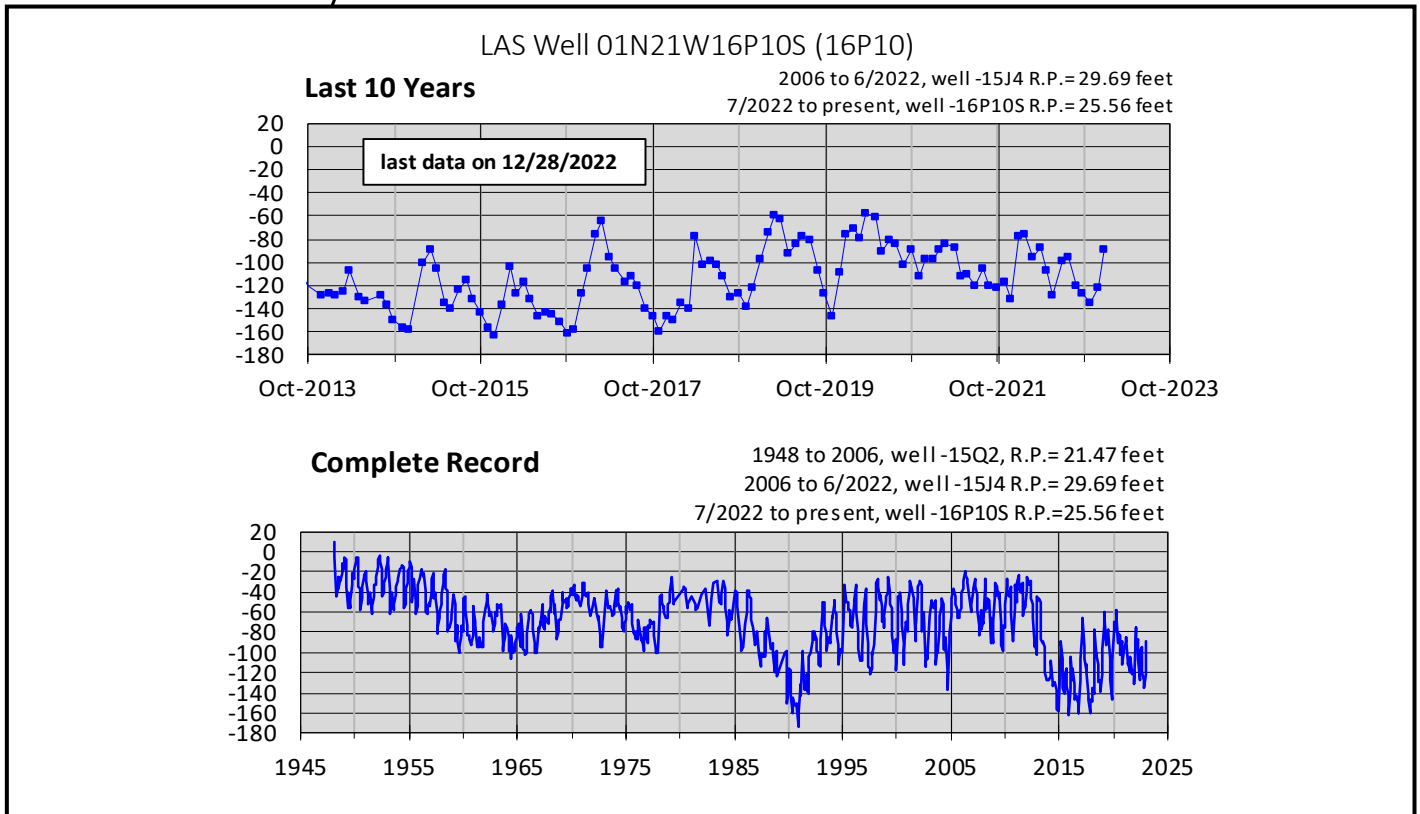
UAS Well 01N22W02A02S (2A2)



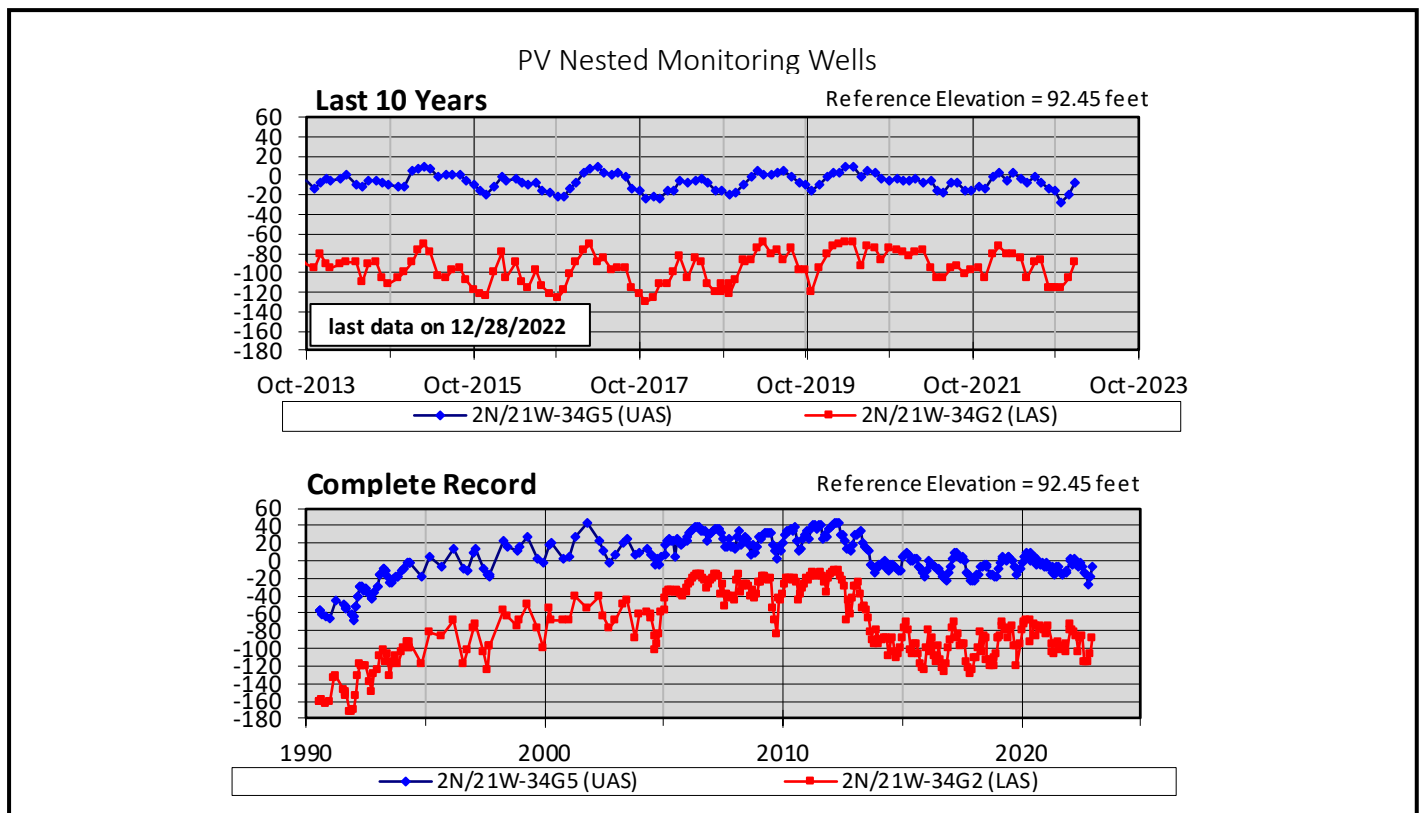
LAS well 01N22W13D03S (13D3)



Groundwater Elevation Records – eastern Oxnard/Pleasant Valley Basin Boundary Area

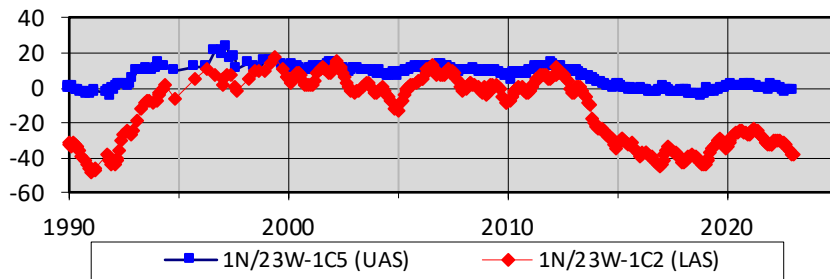


Groundwater Elevation Records – Pleasant Valley Basin

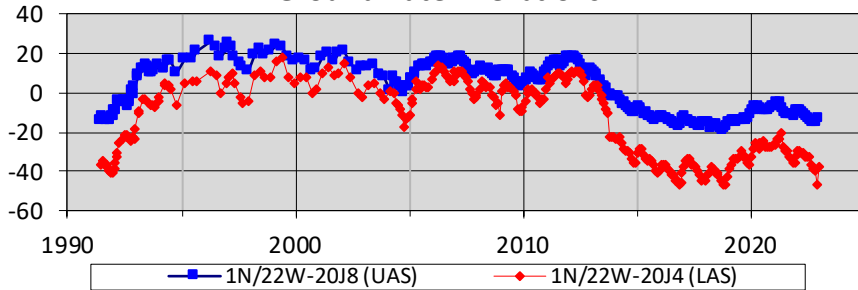


Groundwater Elevation Records – Coastal Nested Monitoring Wells

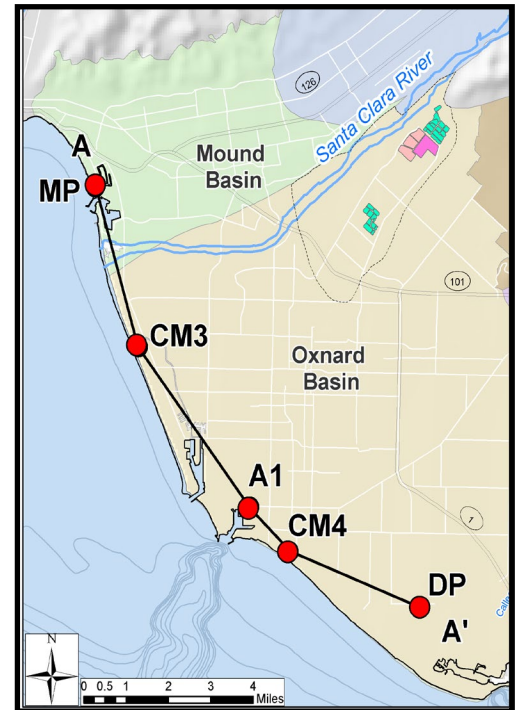
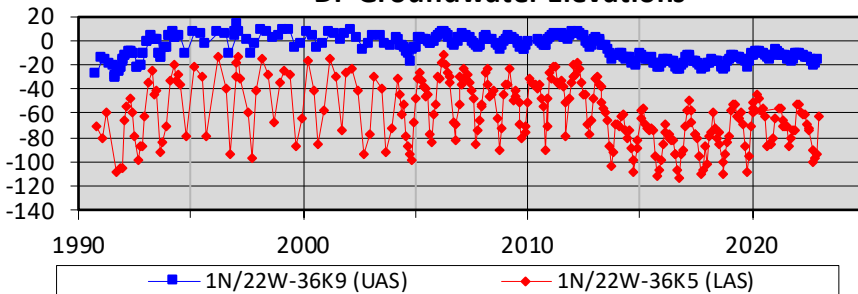
CM3 Groundwater Elevations



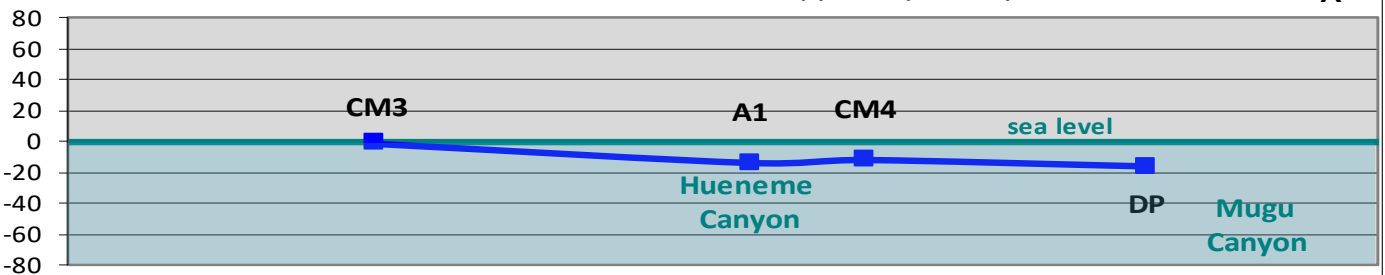
A1 Groundwater Elevations



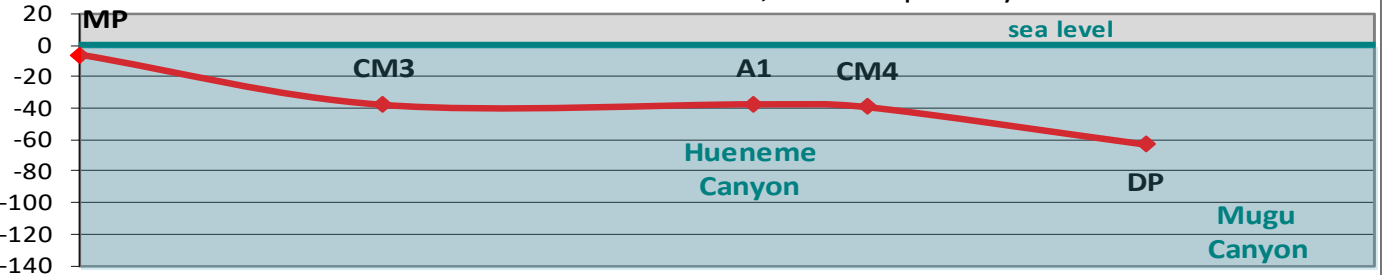
DP Groundwater Elevations



Coastal Groundwater Elevation Transect, Upper Aquifer System



Coastal Groundwater Elevation Transect, Lower Aquifer System



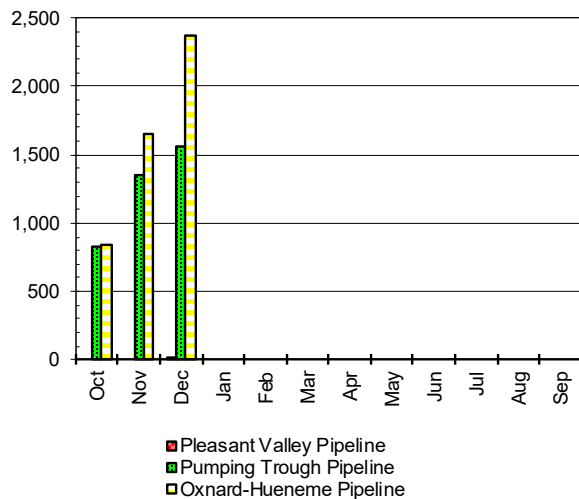
Monthly Water Deliveries, acre-feet (Water Year 2022/23)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
PV Pipeline (surface water)	0.0	0.0	7.9									
PV Pipeline (Saticoy well field)	0.0	0.0	0.0									
Total to Pleasant Valley Pipeline	0.0	0.0	7.9									
PTP (surface water)	0.0	0.0	64.5									
PTP (PTP 1-5)	706.9	500.4	145.6									
PTP (OH-12/13)	116.5	32.1	0.0									
PTP (Saticoy well field)	0.0	0.0	0.0									
Total PTP	823.4	532.5	210.1									
C-customers (surface water)	0	0	0									
Saticoy Well Field (groundwater)	0.0	0.0	0.0									
O-H Pipeline (groundwater)	835.8	818.2	713.2									
Total Surface Water Delivery (PTP, PV, c-cust)	0.0	0.0	72.4									
Total Groundwater Delivery (PTP, OH, Sat)	1,659.2	1,350.7	858.8									
Total Delivery (surface water, groundwater)	1,659.2	1,350.7	931.2									

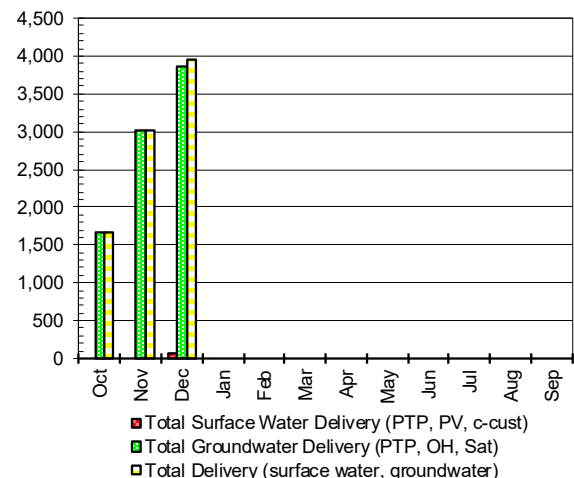
Cumulative Water Deliveries, acre-feet (Water Year 2022/23)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
PV Pipeline (surface water)	0.0	0.0	7.9									
PV Pipeline (saticoy well field)	0.0	0.0	0.0									
Total to Pleasant Valley Pipeline	0.0	0.0	7.9									
PTP (surface water)	0.0	0.0	64.5									
PTP (PTP 1-5)	706.9	1,207.3	1,352.9									
PTP (OH-12/13)	116.5	148.6	148.6									
PTP (Saticoy well field)	0.0	0.0	0.0									
Total PTP	823.4	1,355.9	1,566.0									
C-customers (surface water)	0.0	0.0	0.0									
Saticoy Well Field (groundwater)	0.0	0.0	0.0									
O-H Pipeline (groundwater)	835.8	1,654.0	2,367.2									
Total Surface Water Delivery (PTP, PV, c-cust)	0.0	0.0	72.4									
Total Groundwater Delivery (PTP, OH, Sat)	1,659.2	3,009.9	3,868.7									
Total Delivery (surface water, groundwater)	1,659.2	3,009.9	3,941.1									

Cumulative deliveries by system



Cumulative deliveries by source/type



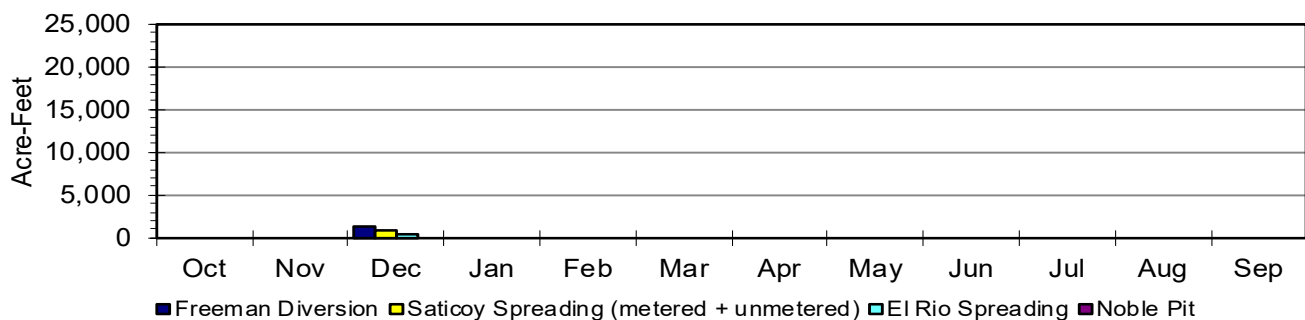
Monthly diversion and recharge totals by facility, 2022/23, in acre-feet

Month	Piru Spreading	Freeman Diversion	Saticoy Spreading (metered + unmetered)	El Rio Spreading	Noble Pit	LBMWC Water Use
Oct	0	0	0	0	0	0
Nov	0	0	0	0	0	0
Dec	0	1,360	901	387	0	NA
Jan						
Feb						
Mar						
Apr						
May						
Jun						
Jul						
Aug						
Sep						

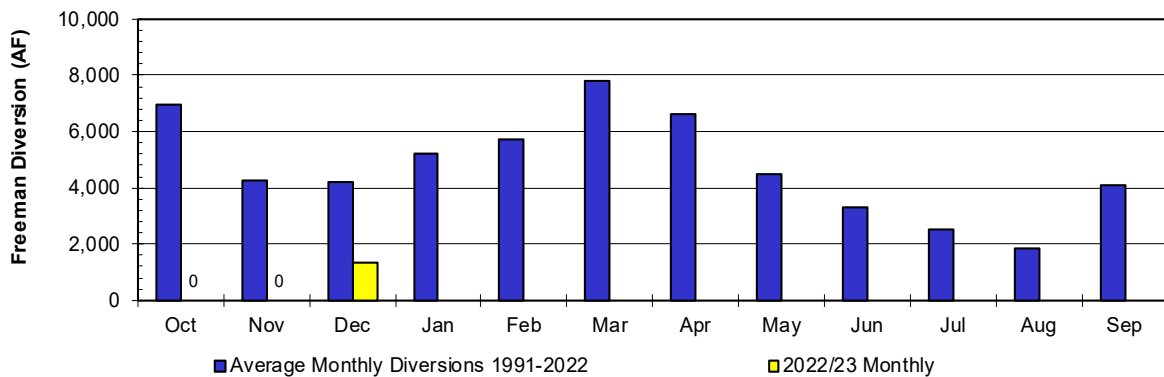
Cumulative diversion and recharge totals by facility, 2022/23, in acre-feet

Month	Piru Spreading	Freeman Diversion	Saticoy Spreading (metered + unmetered)	El Rio Spreading	Noble Pit	LBMWC Water Use
Oct	0	0	0	0	0	0
Nov	0	0	0	0	0	0
Dec	0	1,360	901	387	0	NA
Jan						
Feb						
Mar						
Apr						
May						
Jun						
Jul						
Aug						
Sep						

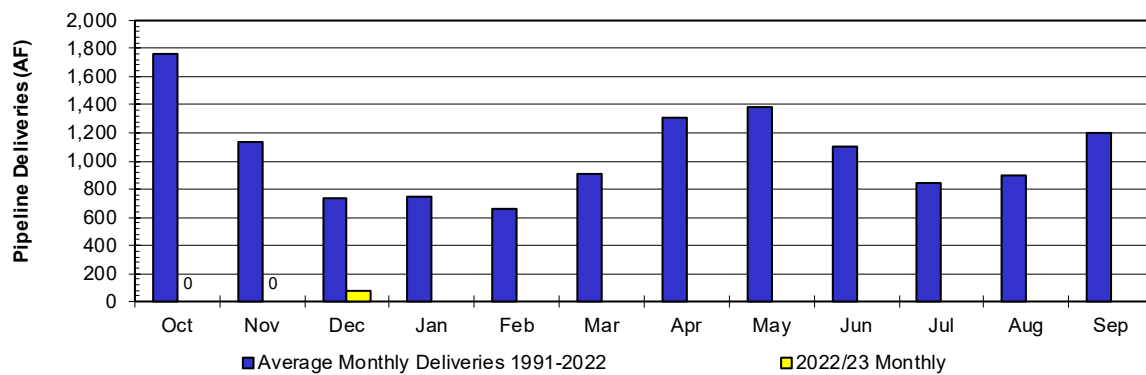
Cumulative diversion at Freeman, and distribution to recharge facilities



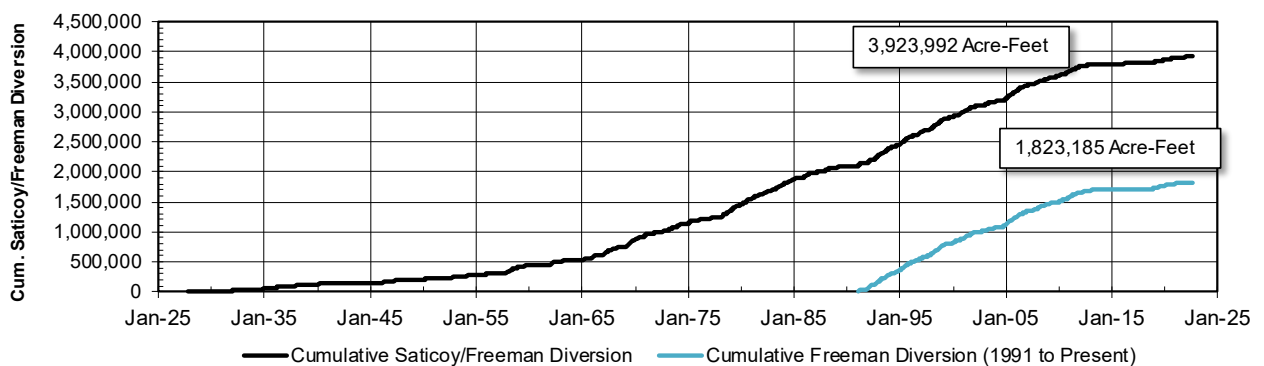
Monthly 2022/23 diversion at Freeman, compared to average monthly diversions (1991-2022)



Monthly 2022/23 pipeline deliveries (surface water deliveries), compared to average monthly pipeline deliveries (1991-2022)

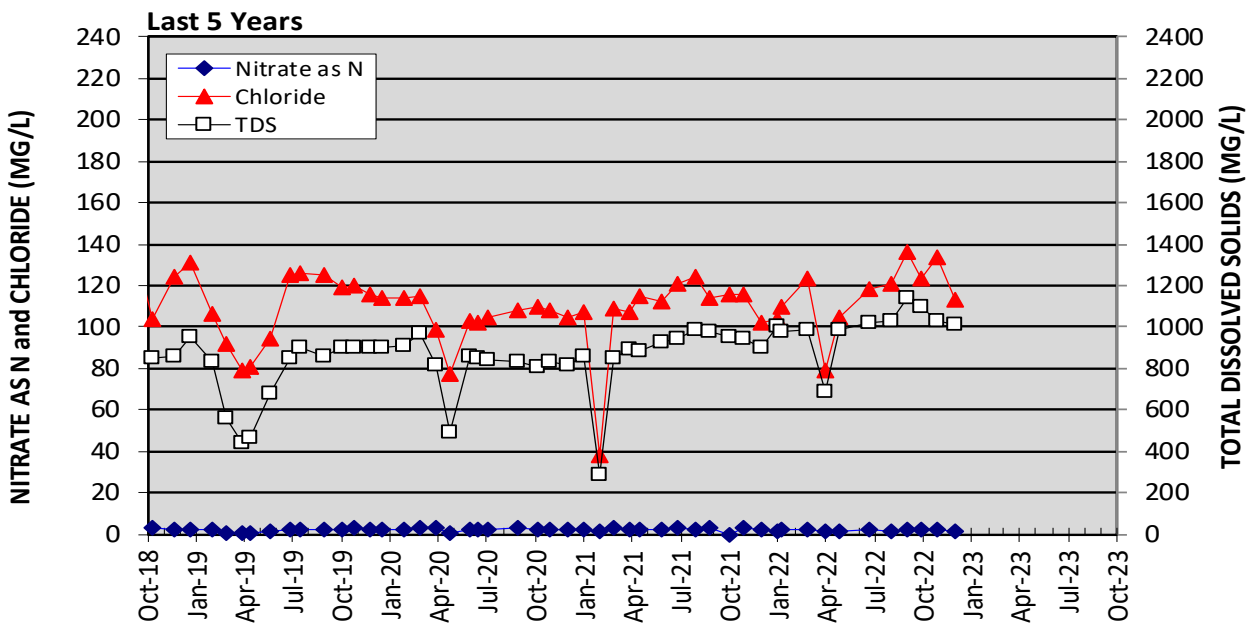


Cumulative diversion at Saticoy and Freeman Diversion, in acre-feet

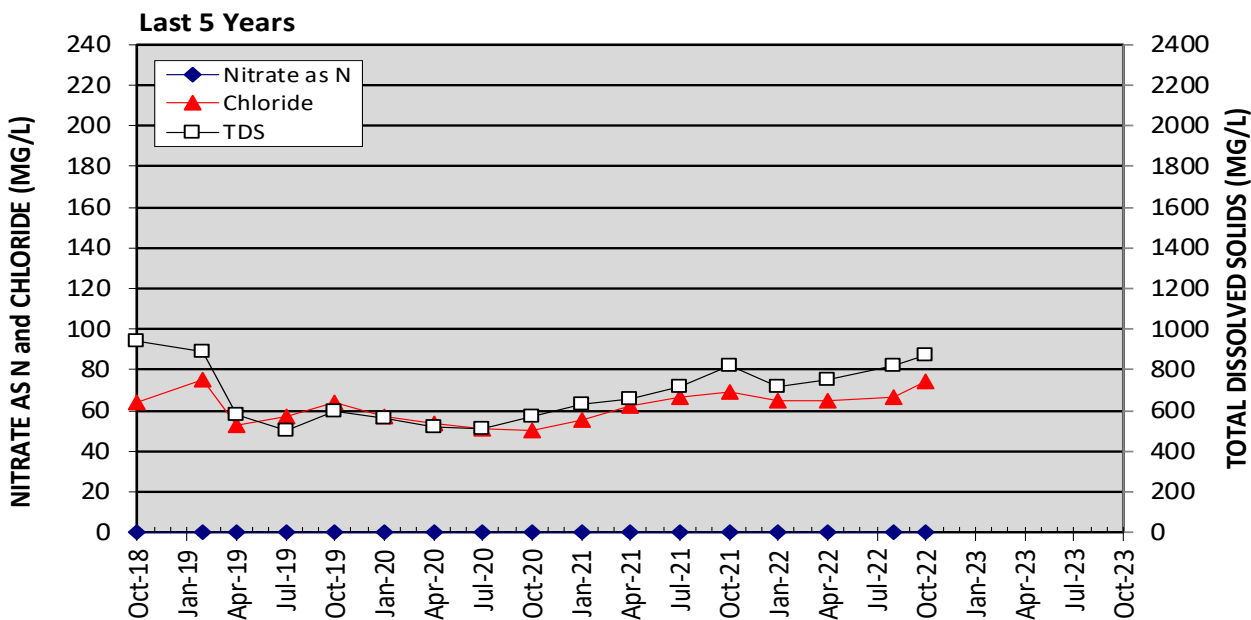


Water Quality

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

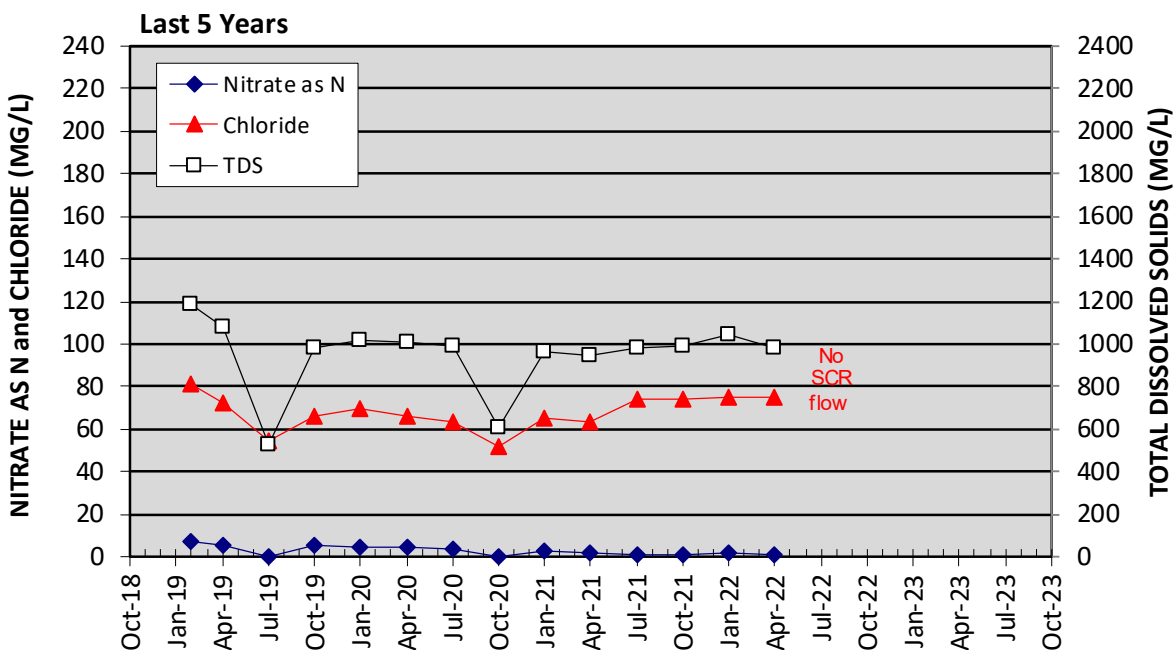


Piru Creek water quality below Santa Felicia Dam

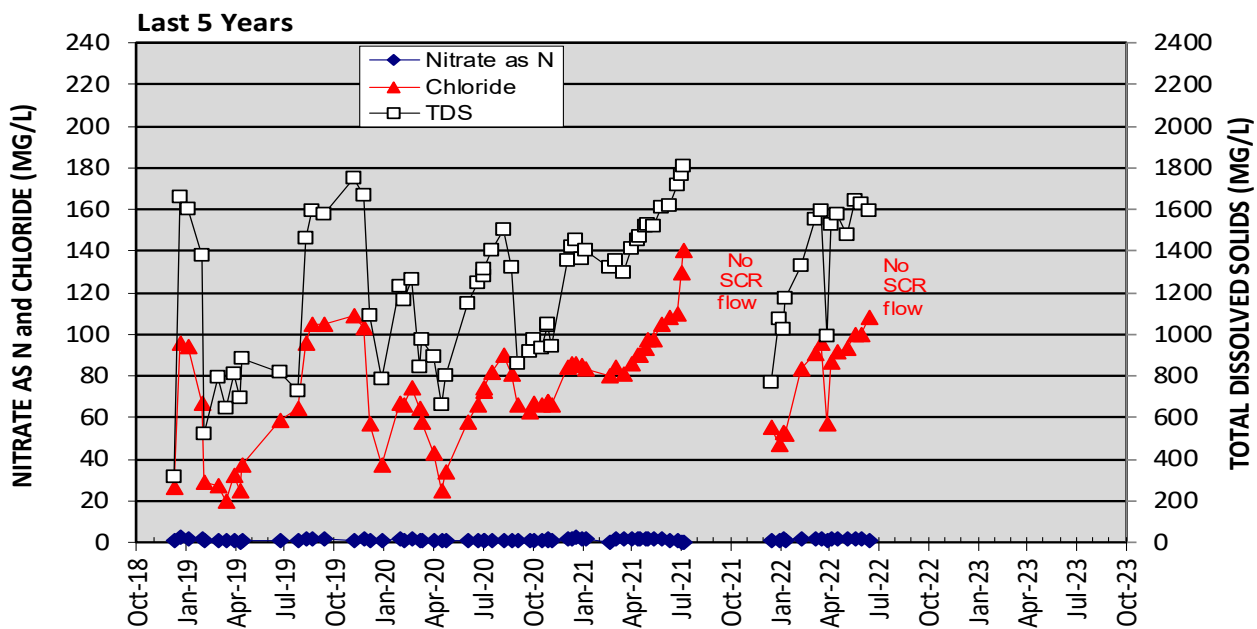


Water Quality

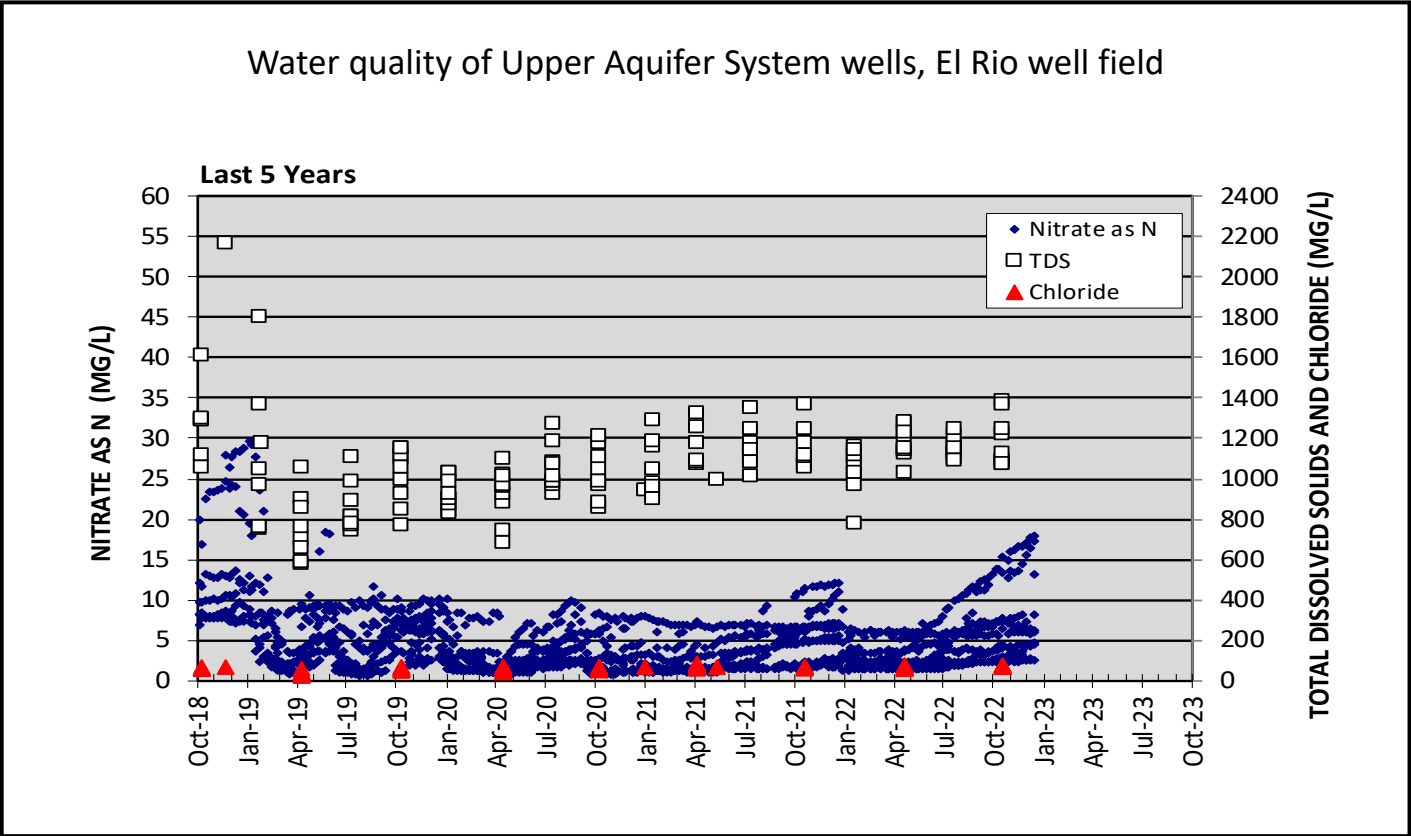
Santa Clara River water quality near Fillmore Fish Hatchery

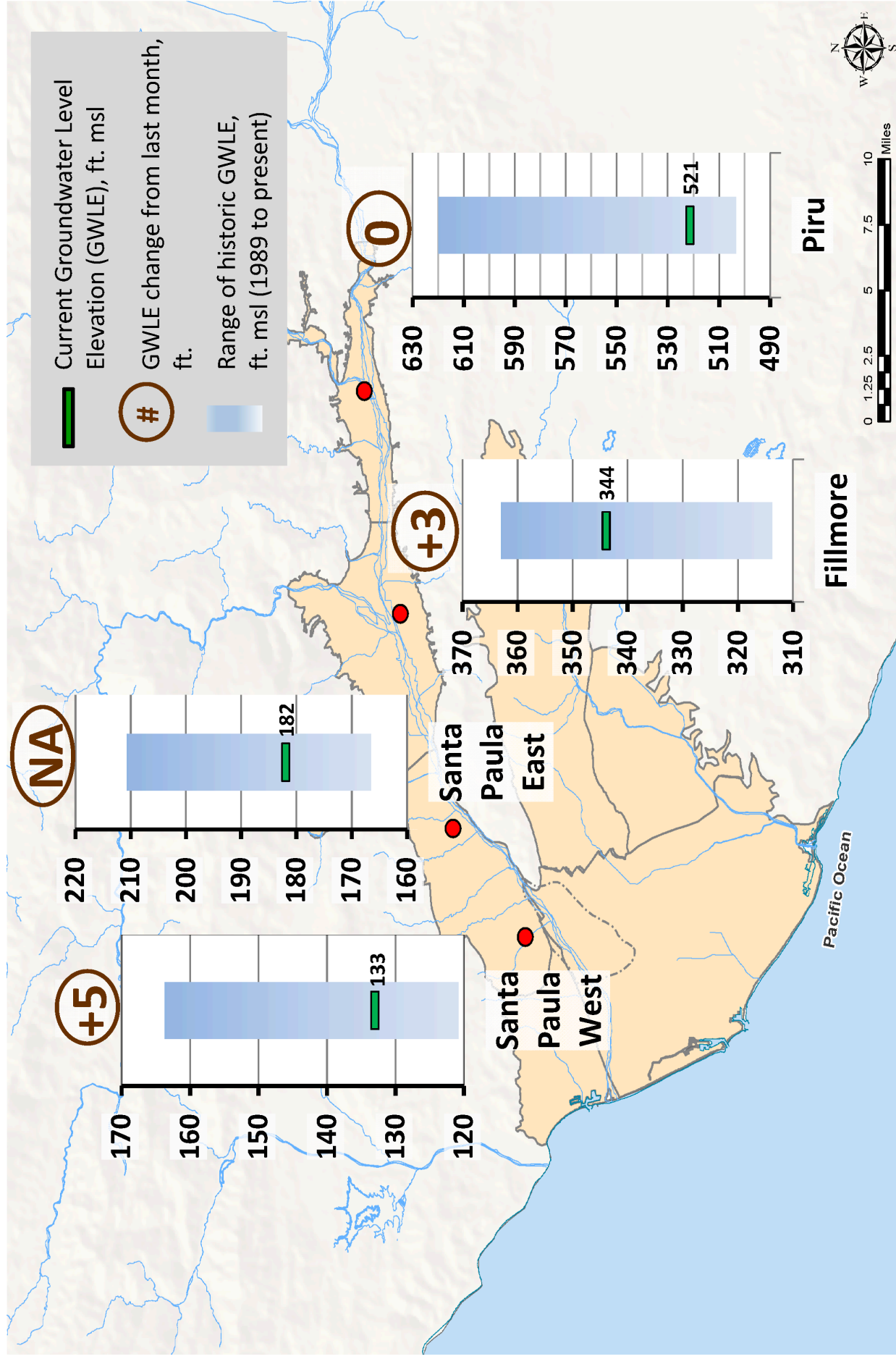


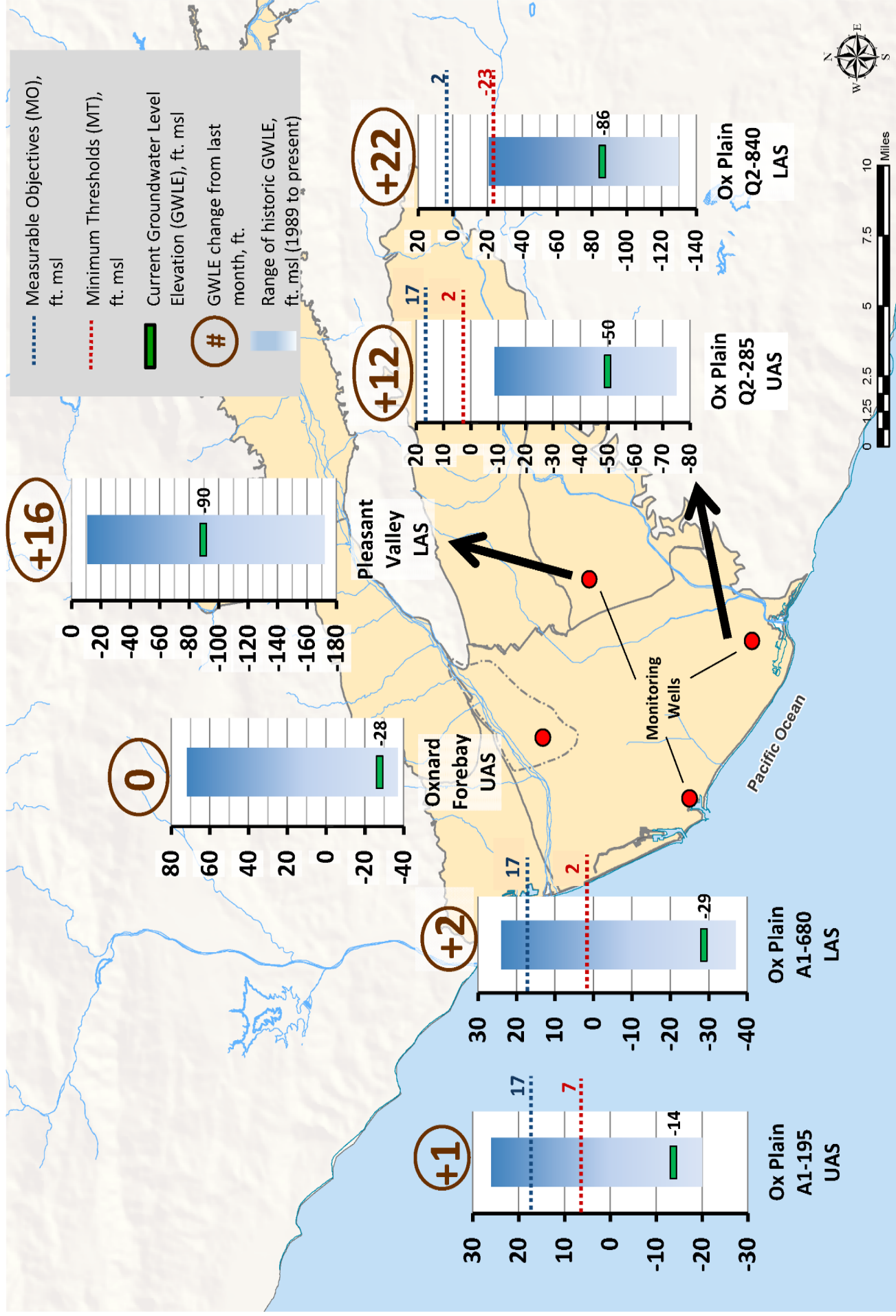
Santa Clara River water quality at Freeman Diversion



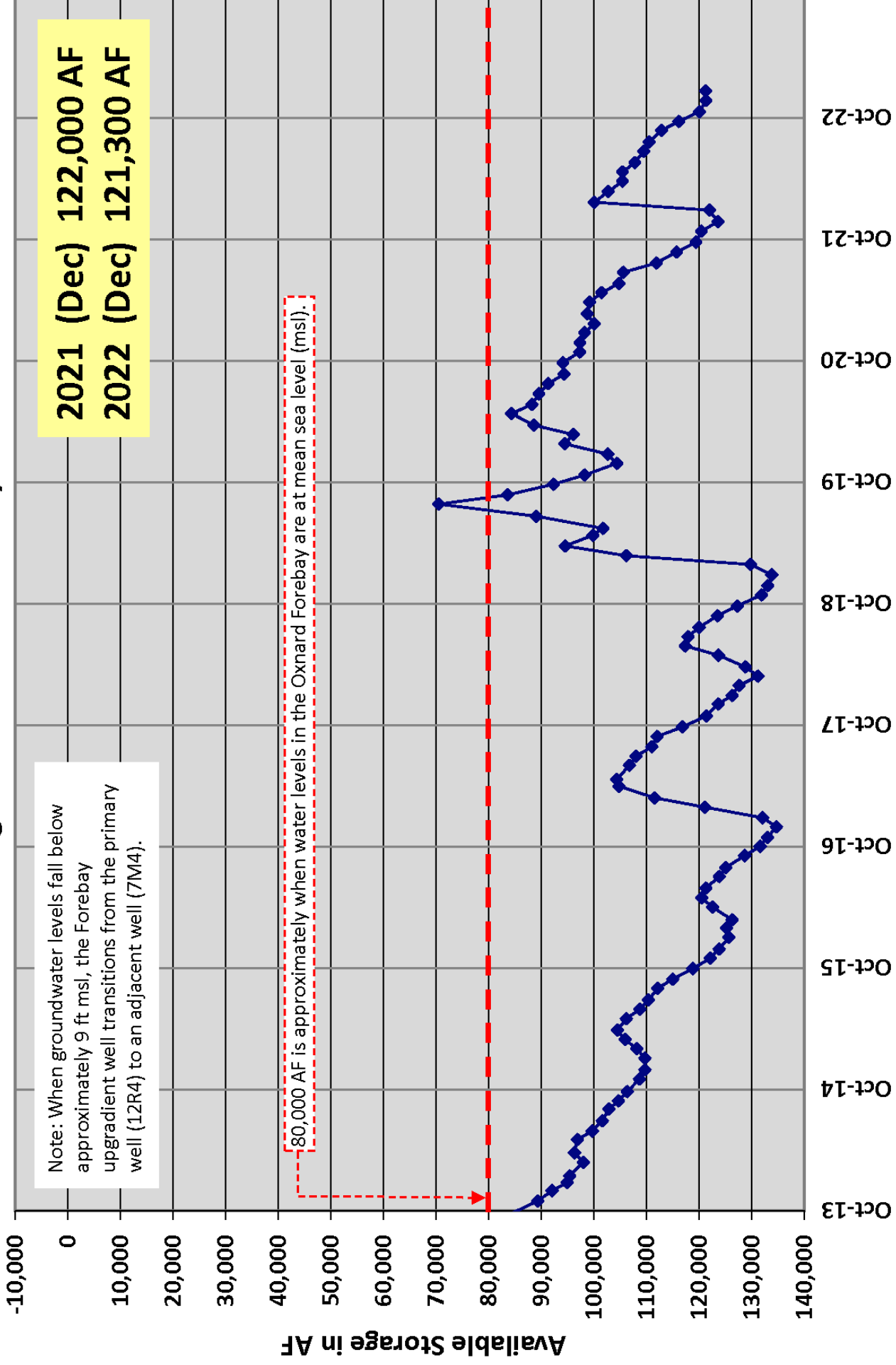
Water Quality

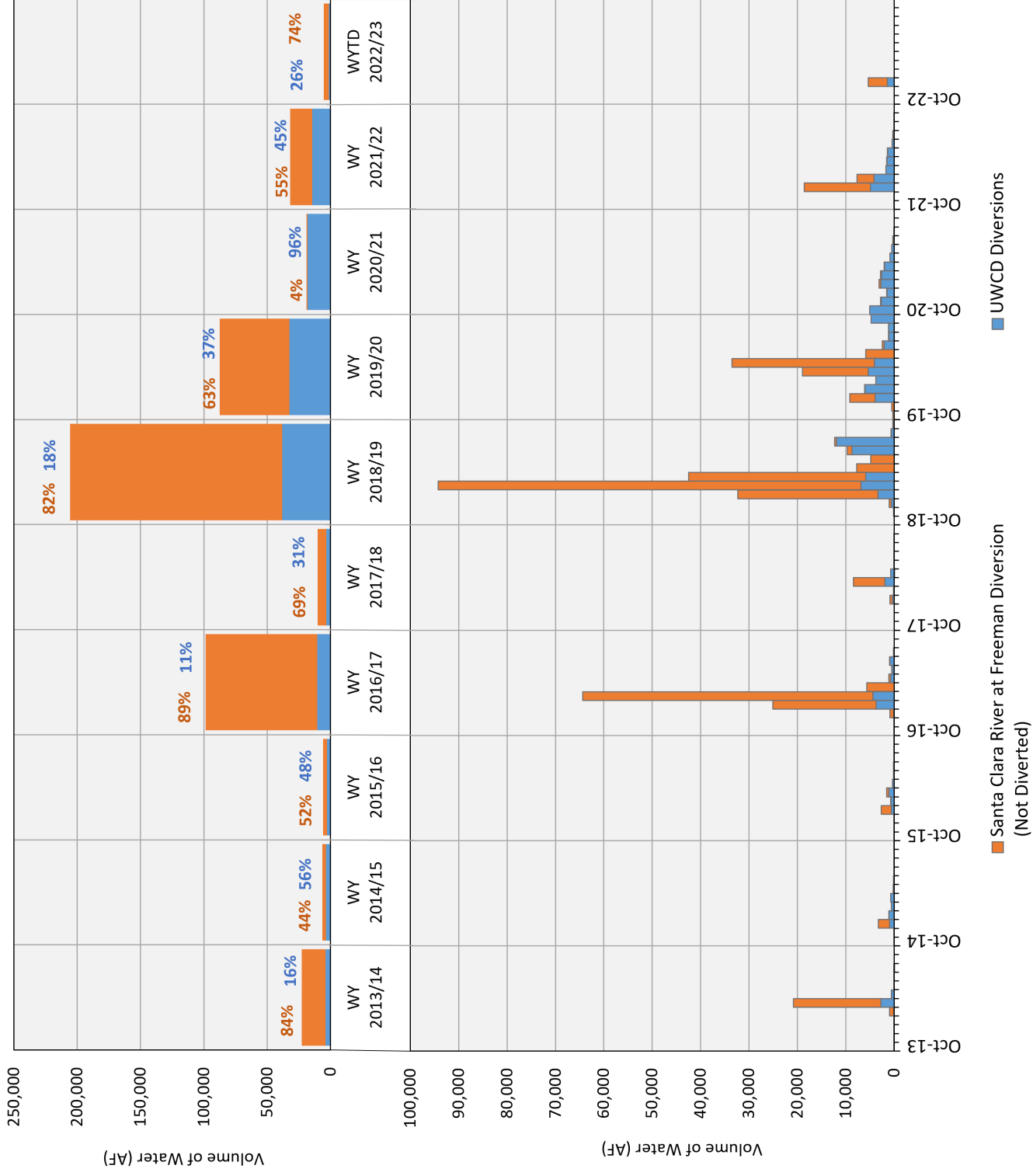






Available Storage in the Oxnard Forebay - Last 10 Years





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