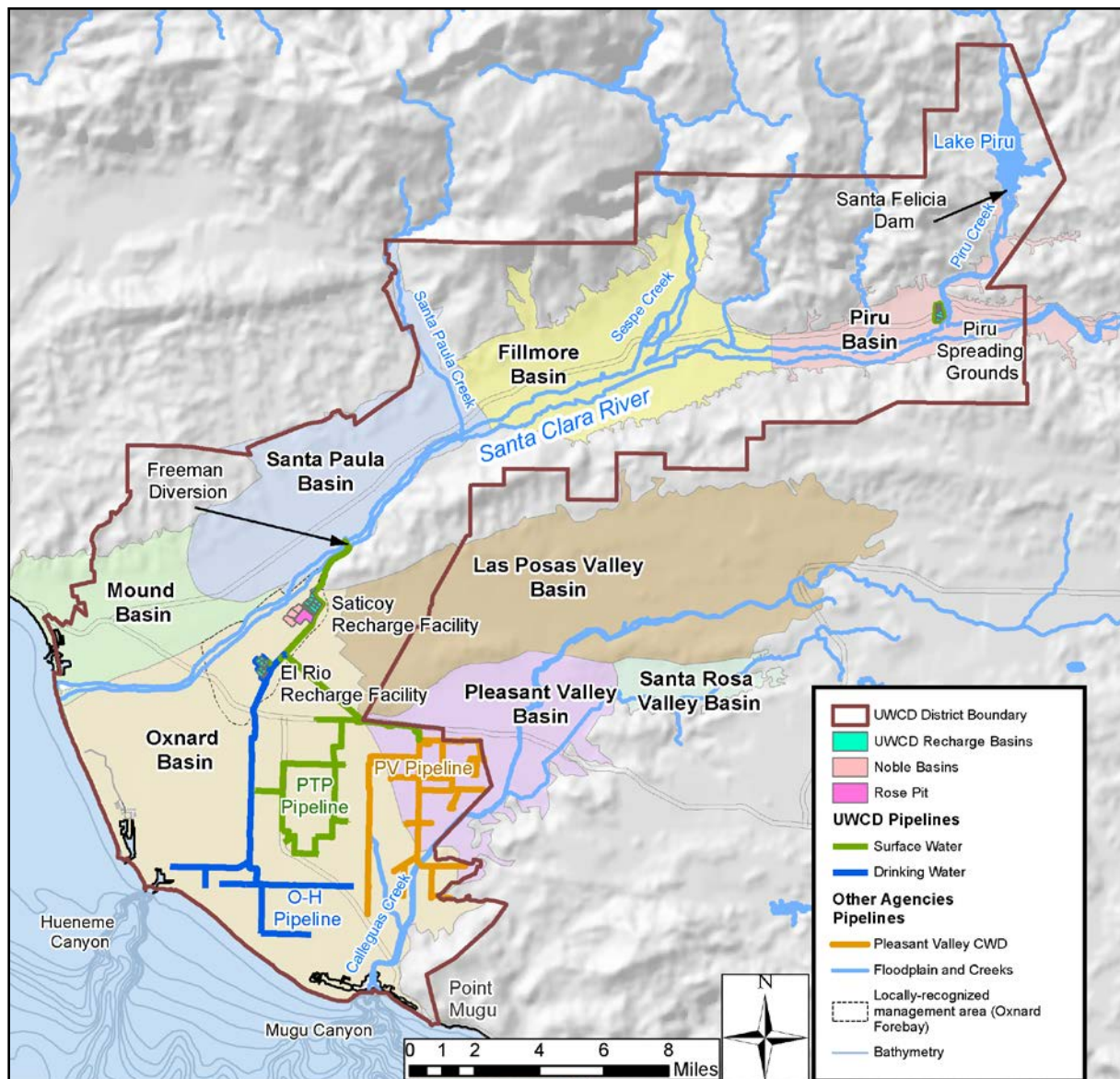




May 2022 Hydrologic Conditions Report 2021/22 Water Year

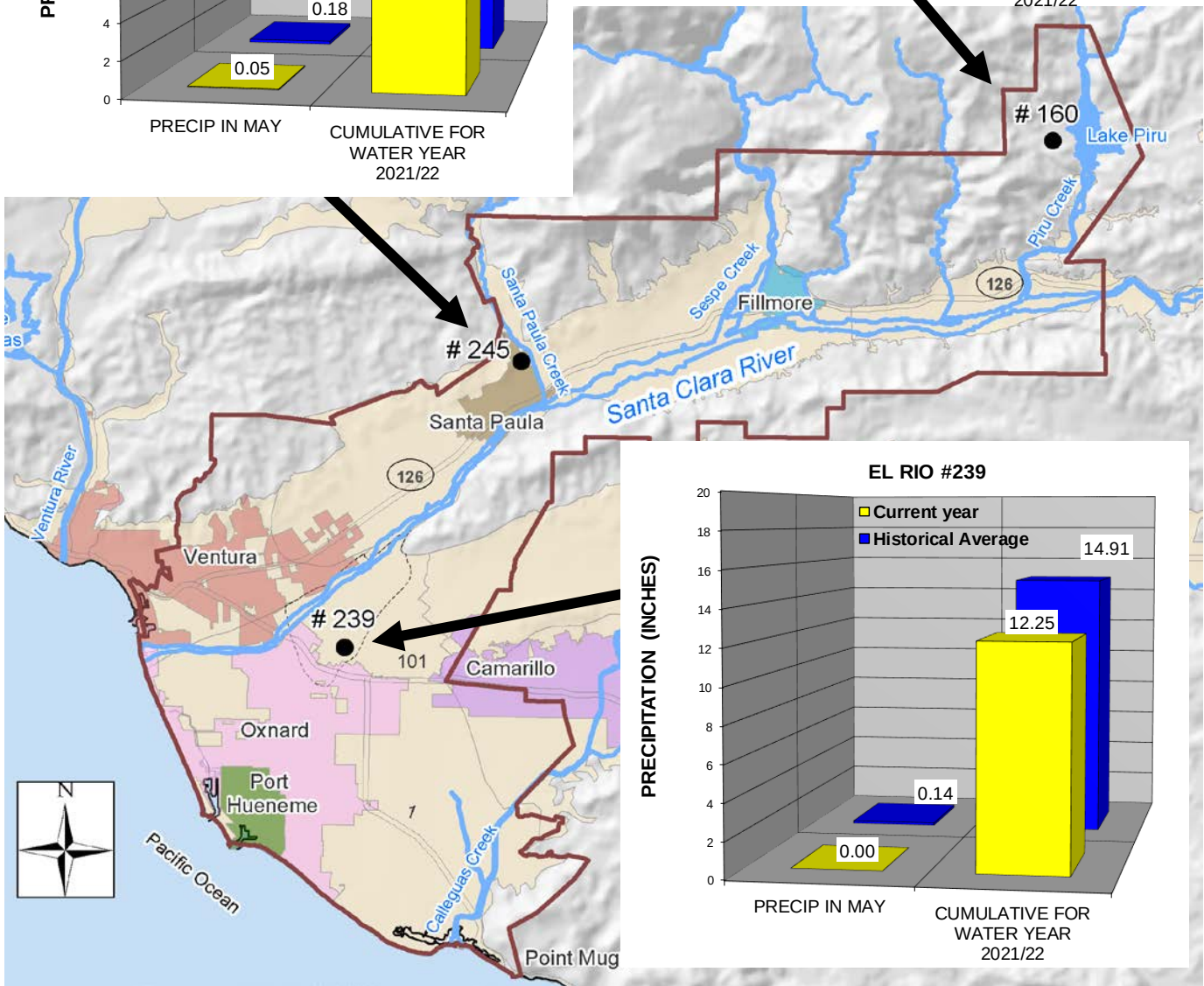
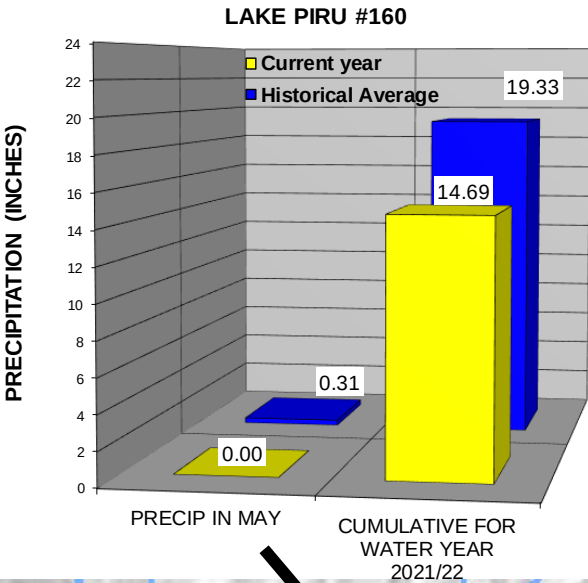
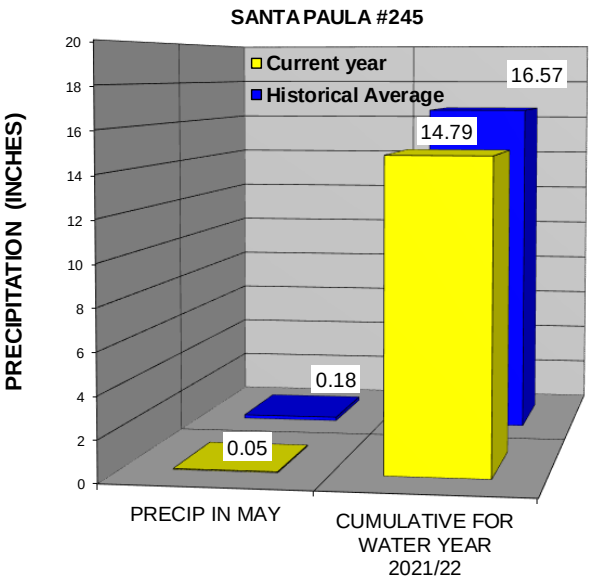
June 1, 2022



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

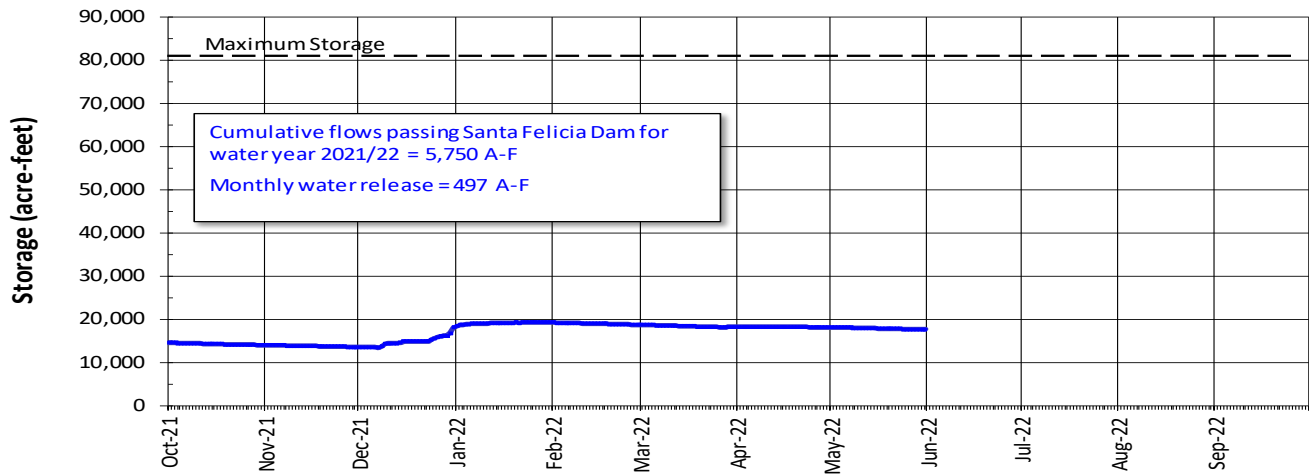
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Precipitation



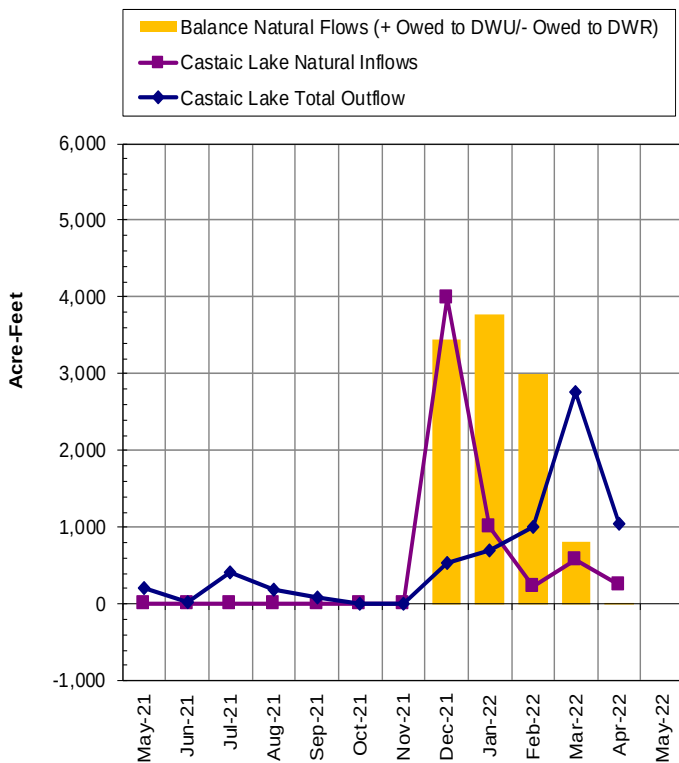
District-wide percent of normal precipitation = 82%

Lake Piru Storage and Outflow

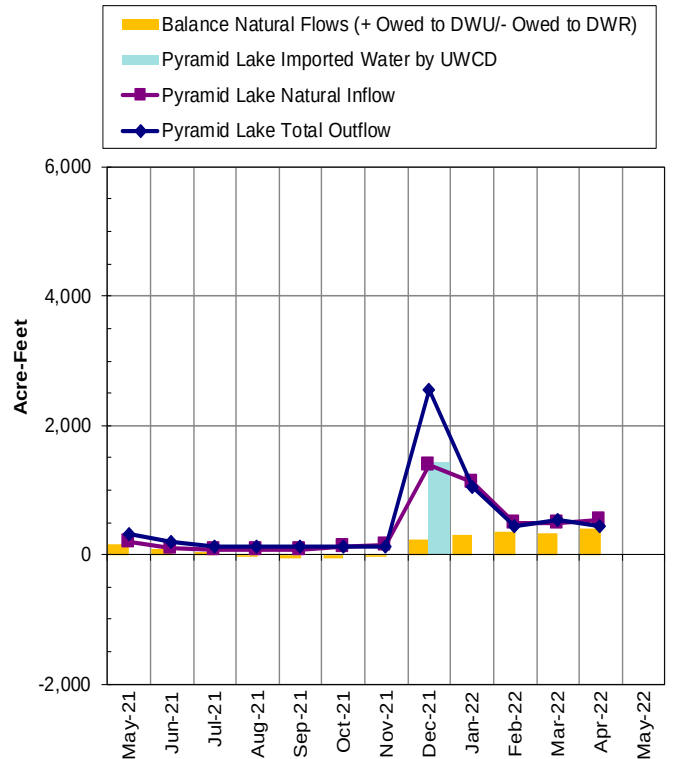


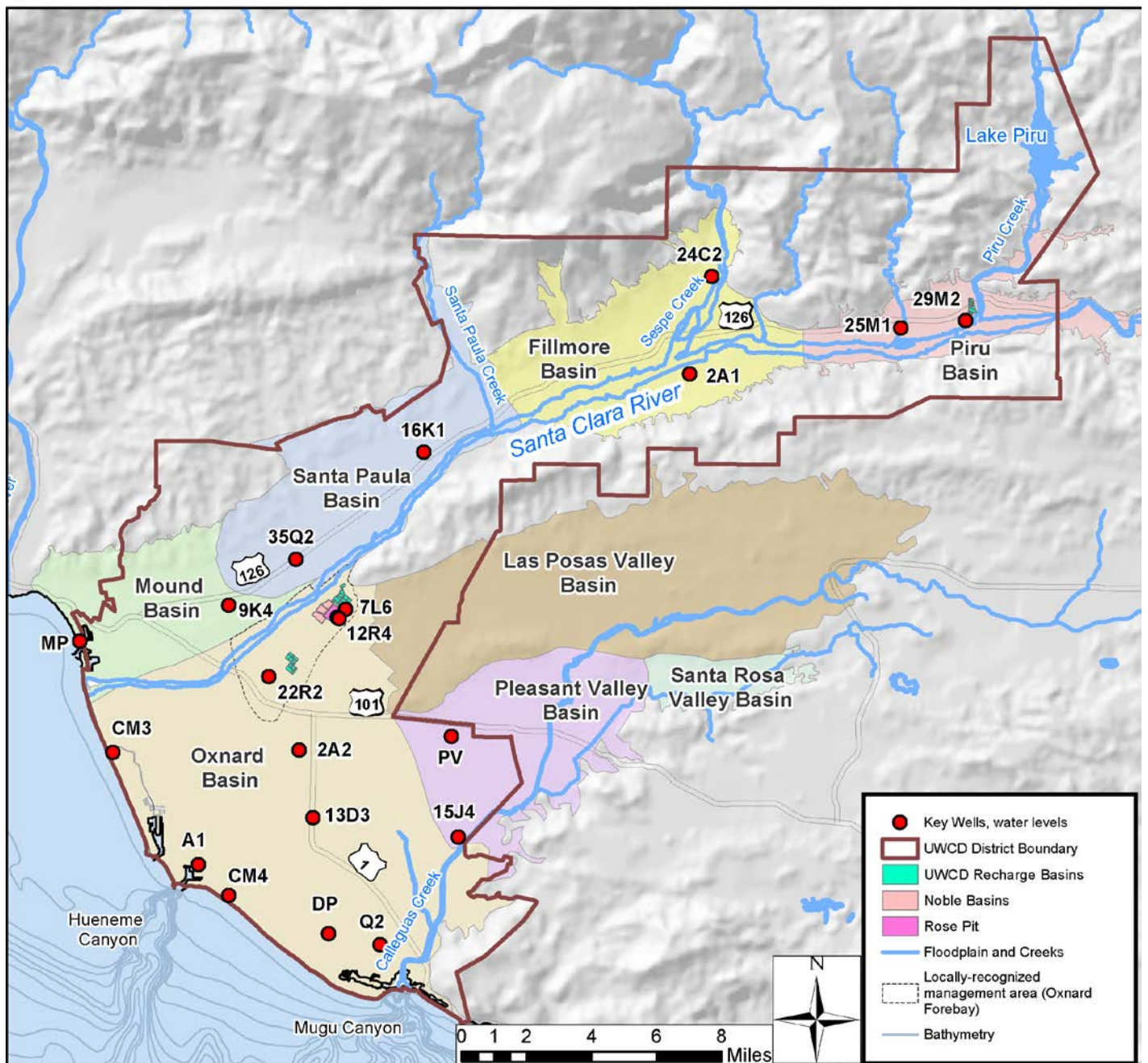
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Hydro Plant Outflow (Acre-Feet)	0	0	0	0	0	0	0	0				
Cumulative Hydro Plant Outflow (A-F)	0	0	0	0	0	0	0	0				

Castaic Lake releases to downstream water users (DWU)



Pyramid Lake releases to UWCD

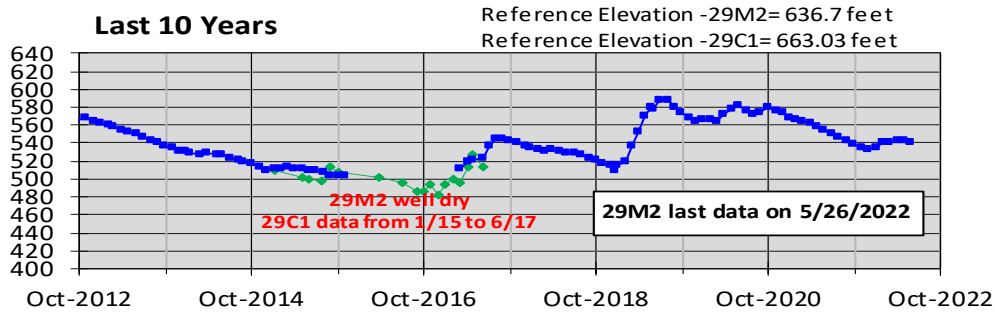




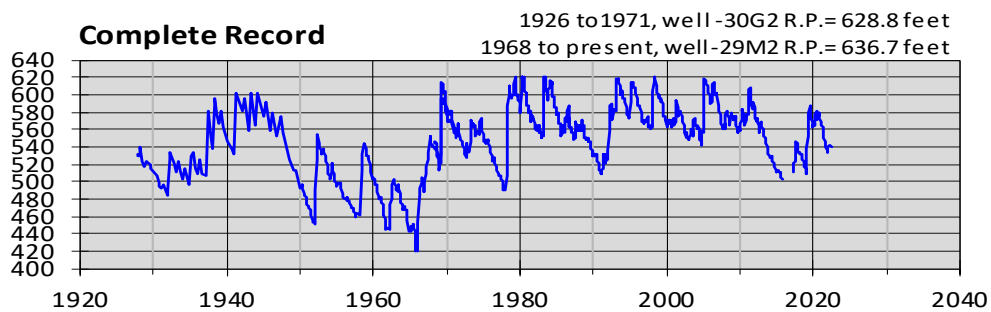
Locations of Key Wells, Monthly Groundwater Elevation Monitoring

Groundwater Elevation Records – Piru Basin

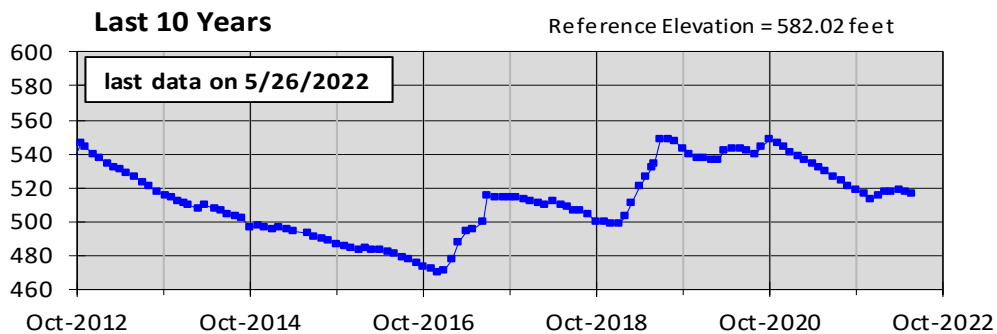
Well 04N18W29M02S (29M2)



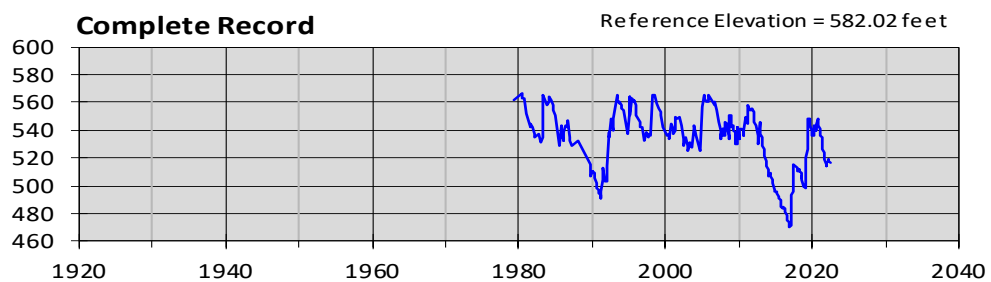
Complete Record



Well 04N19W25M01S (25M1)



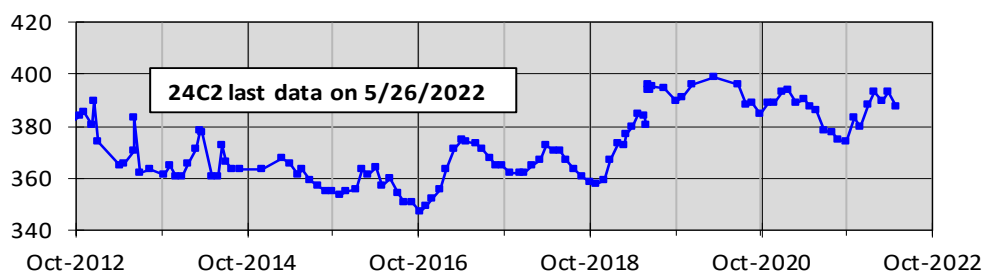
Complete Record



Groundwater Elevation Records – Fillmore Basin

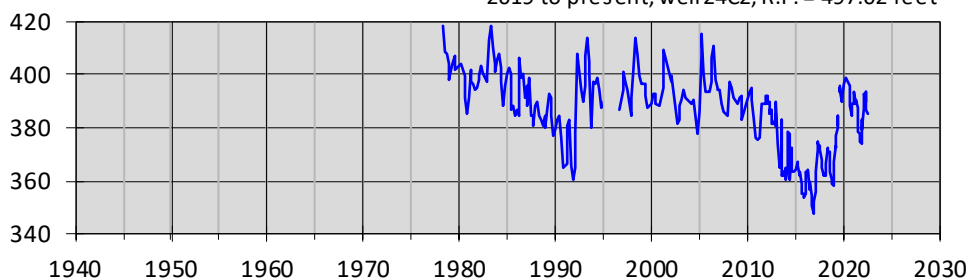
Wells 04N20W23Q02S and 04N20W24C02S (24C2)

Last 10 Years



Complete Record

1978 to 2014, well 23Q2, R.P. = 513.99 feet
2015 to 2019, well 23N1, R.P. = 559.00 feet
2019 to present, well 24C2, R.P. = 497.02 feet



Well 03N20W02A01S (2A1)

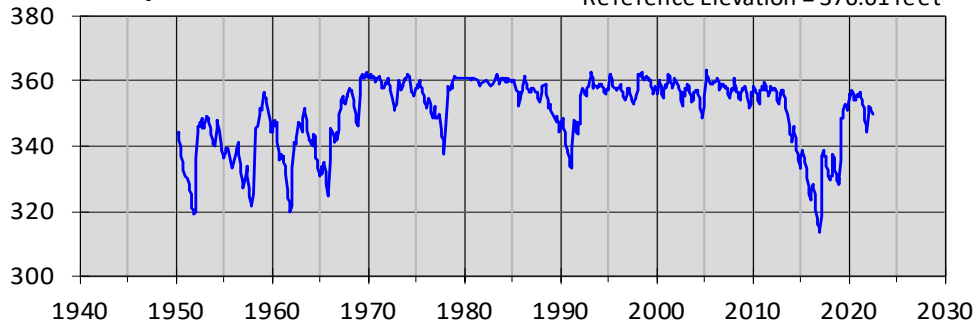
Last 10 Years

Reference Elevation = 376.61 feet

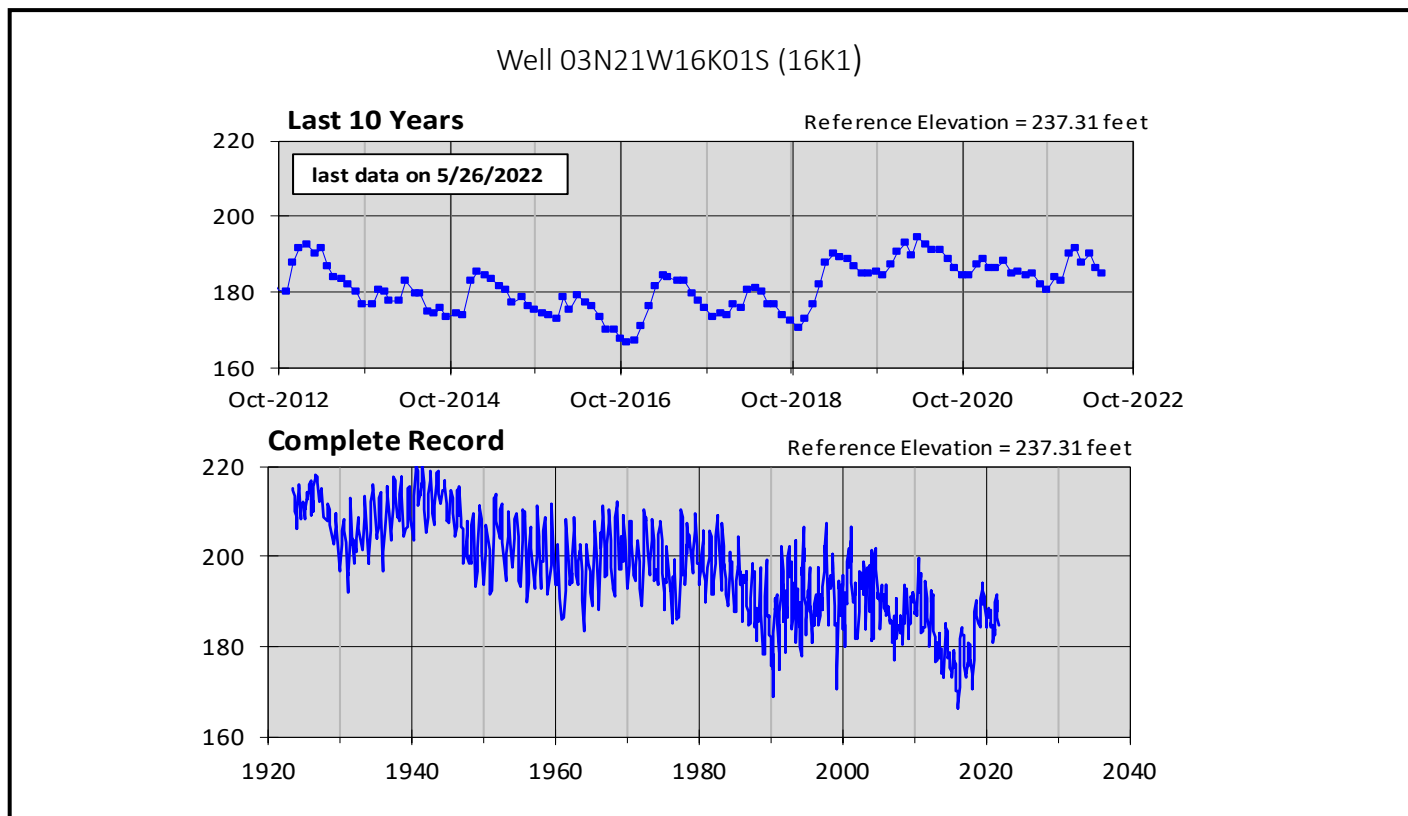


Complete Record

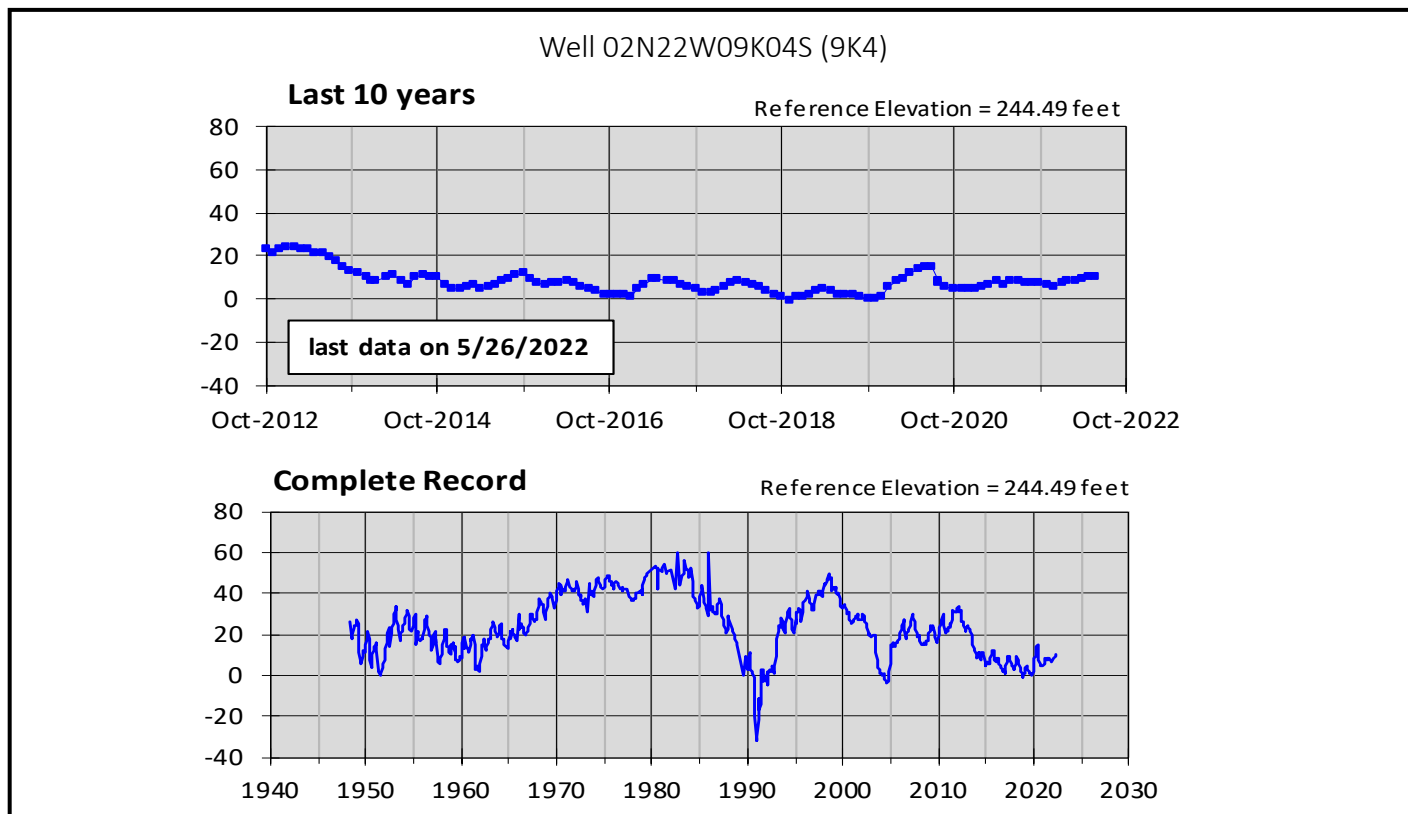
Reference Elevation = 376.61 feet



Groundwater Elevation Records – Santa Paula Basin



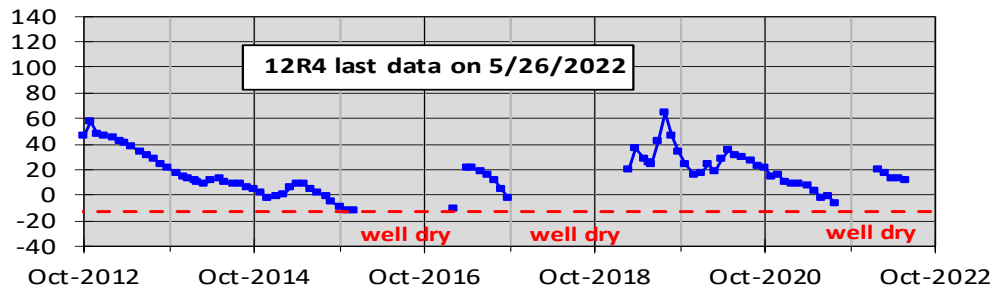
Groundwater Elevation Records – Mound Basin



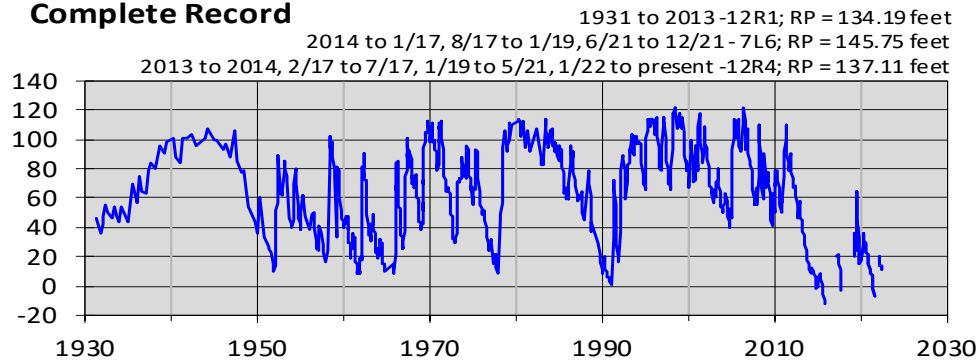
Groundwater Elevation Records – Oxnard Basin, Forebay

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

Last 10 Years



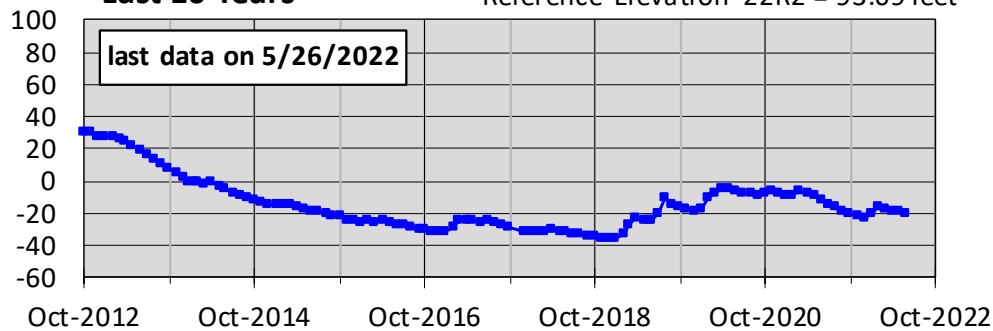
Complete Record



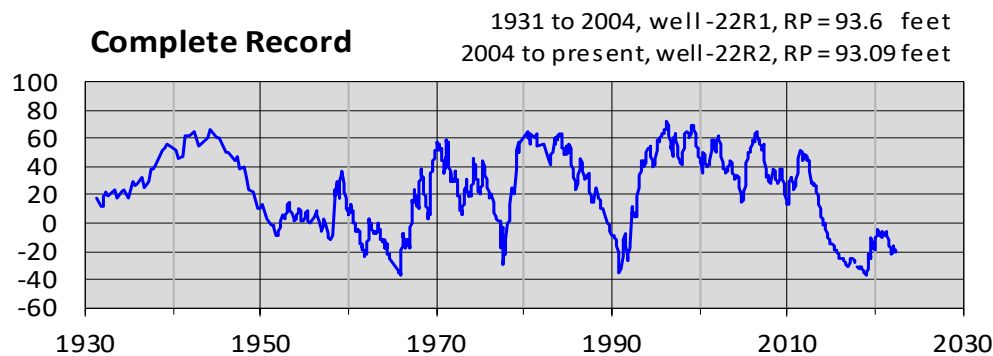
Wells 02N22W22R01S and 02N22W22R02S (22R2)

Last 10 Years

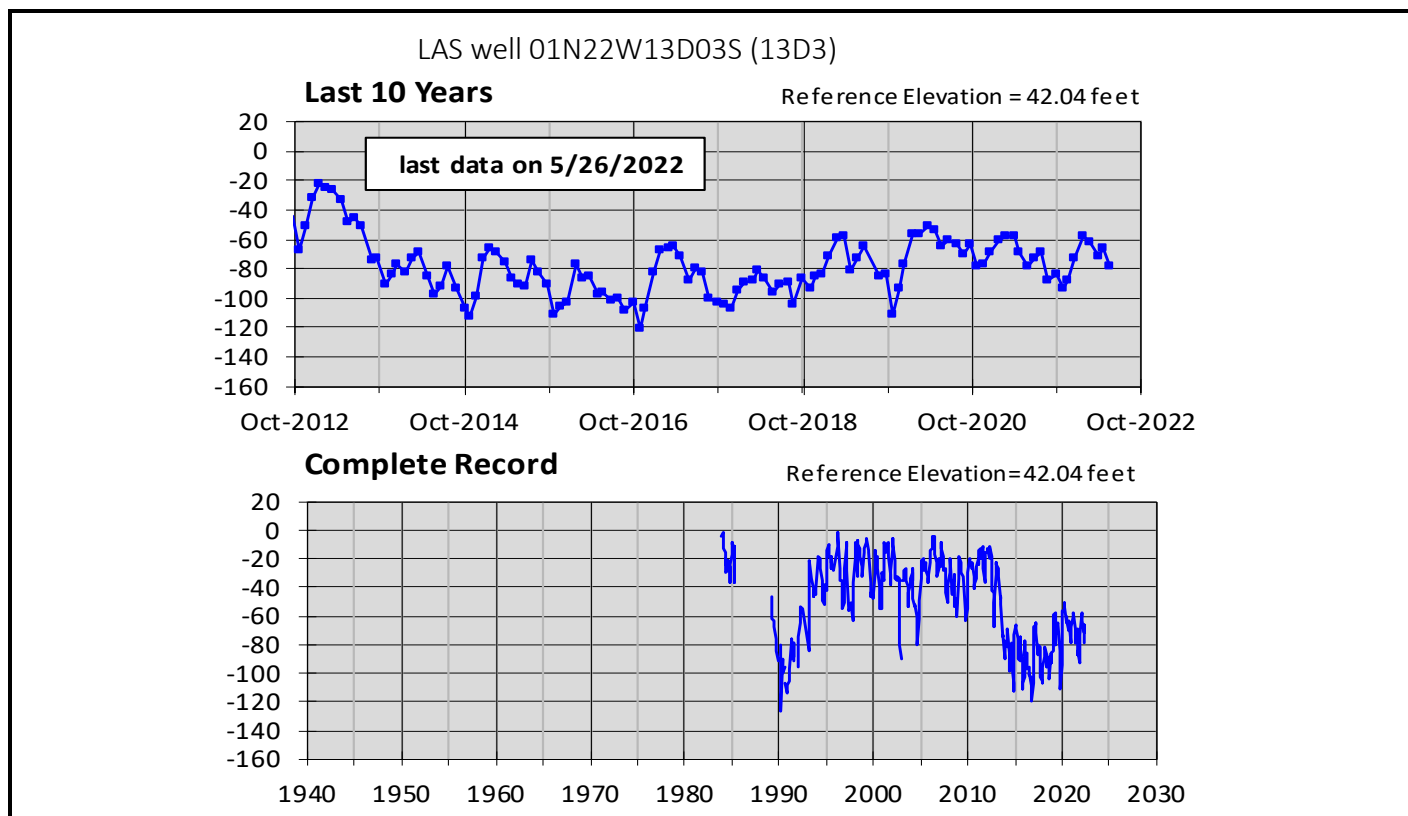
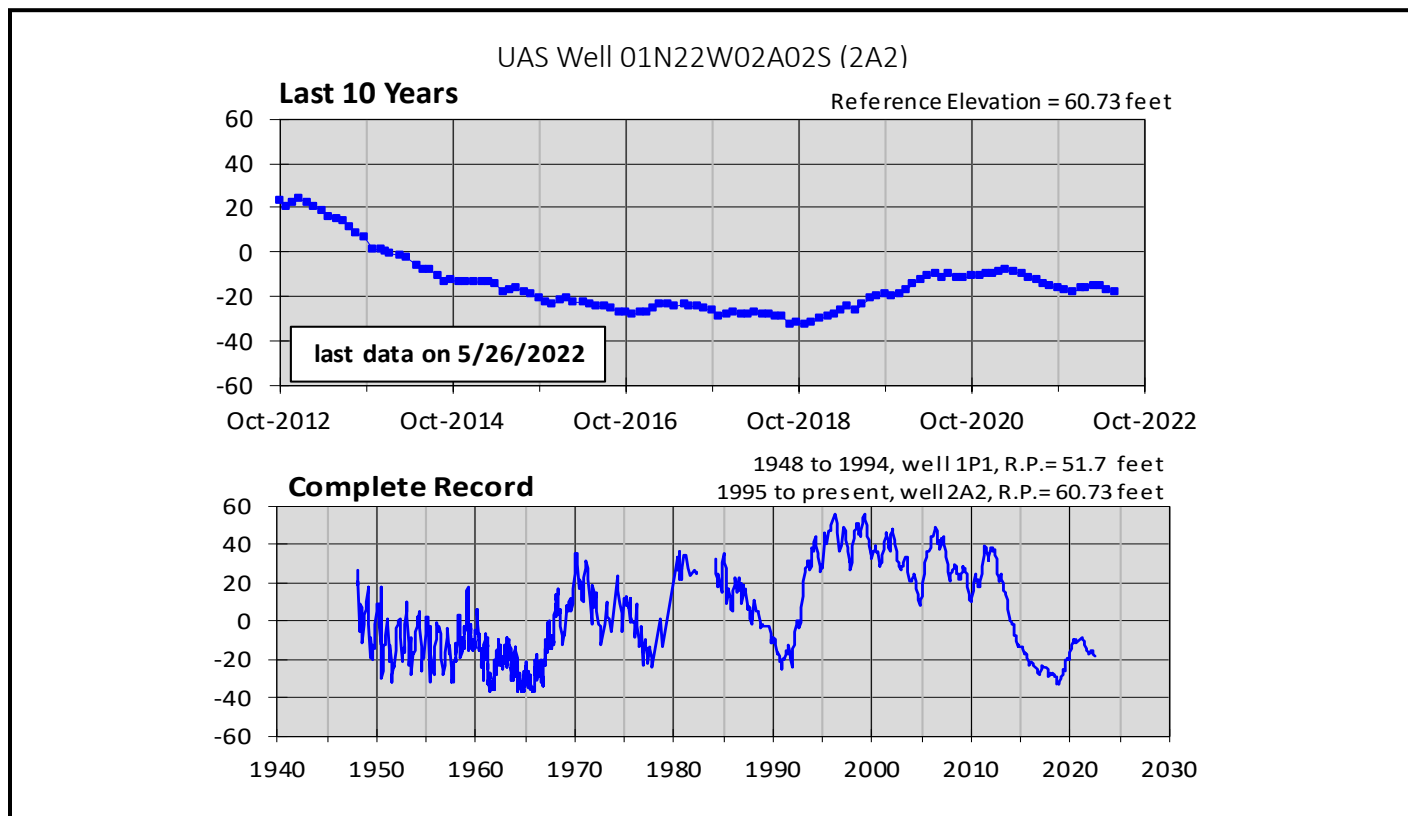
Reference Elevation -22R2 = 93.09 feet



Complete Record

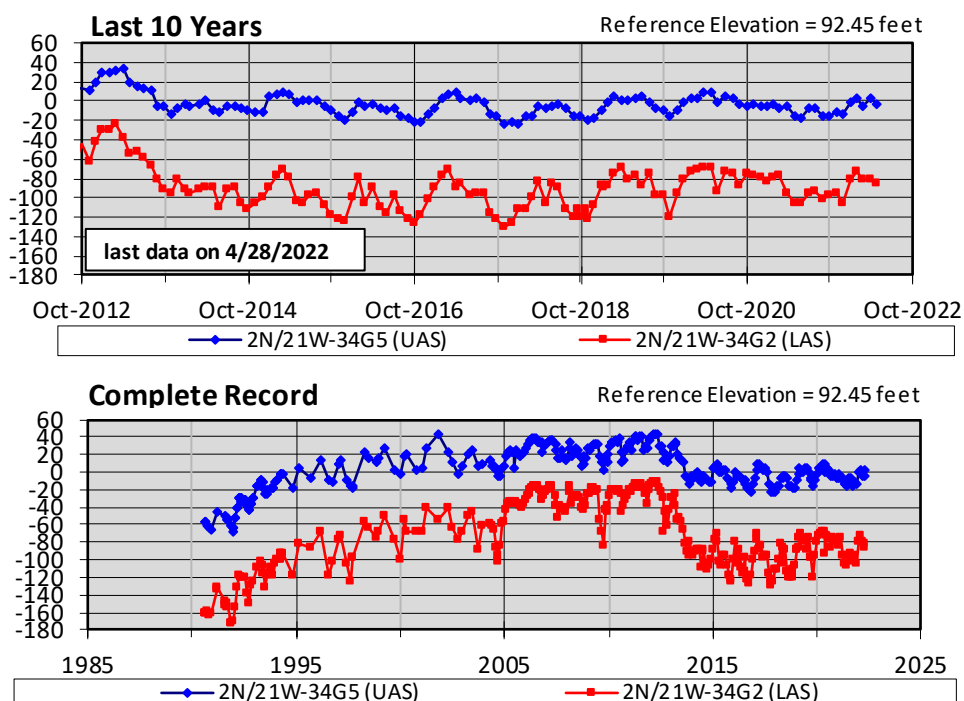


Groundwater Elevation Records – Oxnard Basin

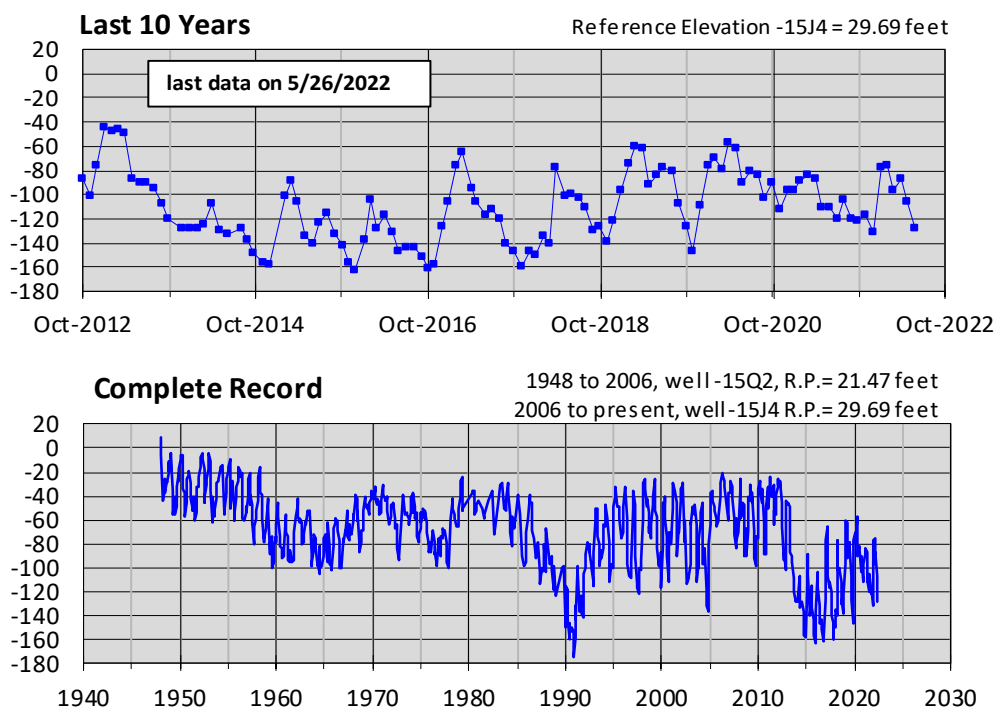


Groundwater Elevation Records – Pleasant Valley Basin

PV Nested Monitoring Wells

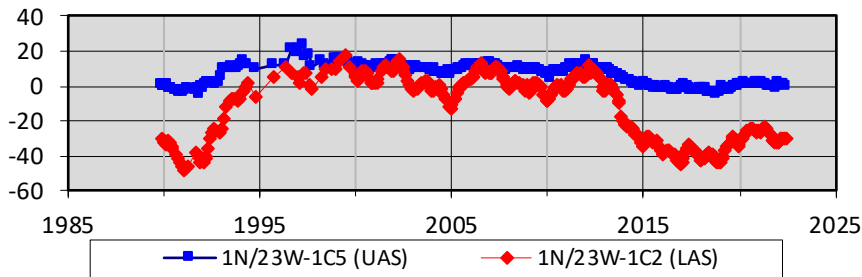


LAS Well 01N21W15J04S (15J4)

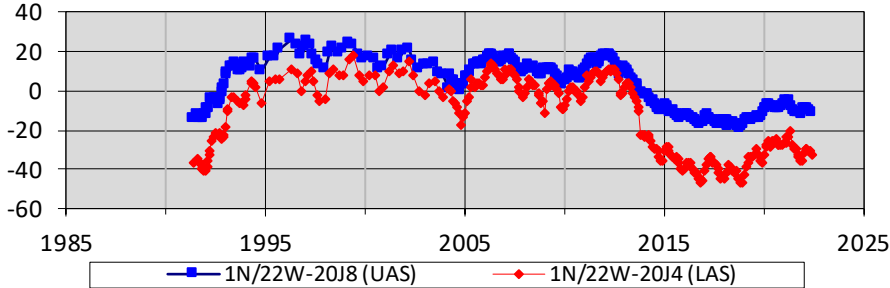


Groundwater Elevation Records – Coastal Nested Monitoring Wells

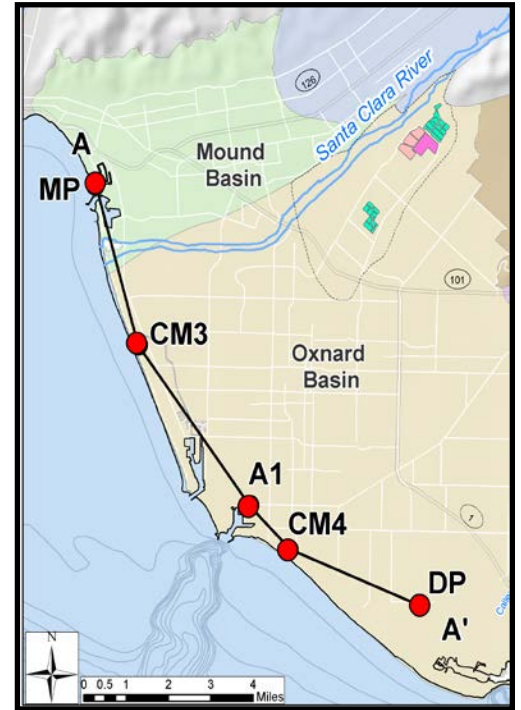
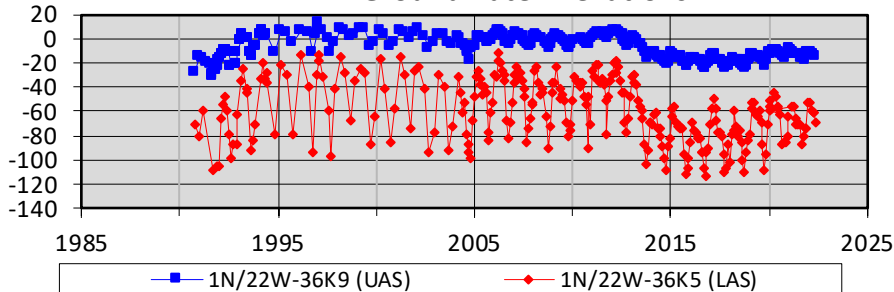
CM3 Groundwater Elevations



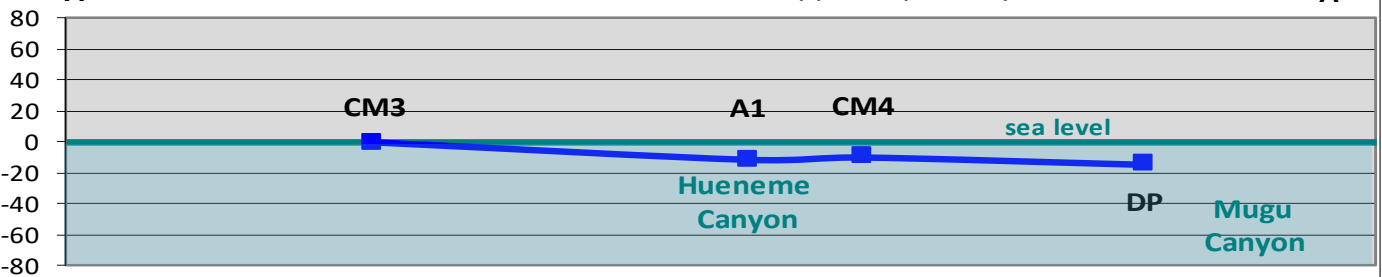
A1 Groundwater Elevations



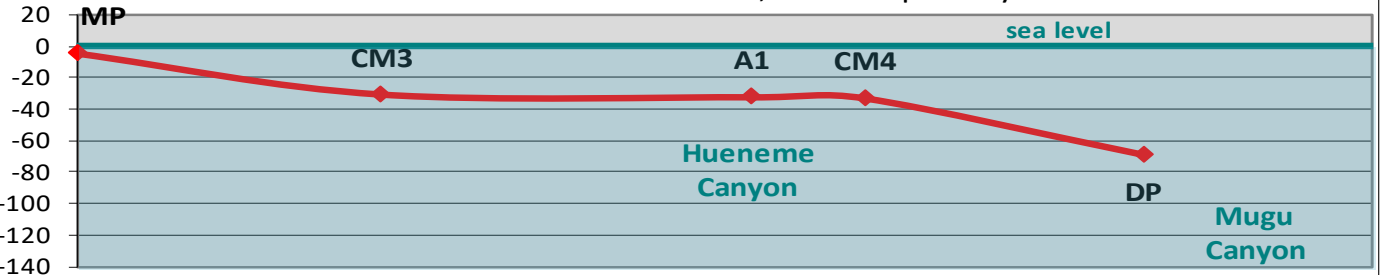
DP Groundwater Elevations



Coastal Groundwater Elevation Transect, Upper Aquifer System



Coastal Groundwater Elevation Transect, Lower Aquifer System



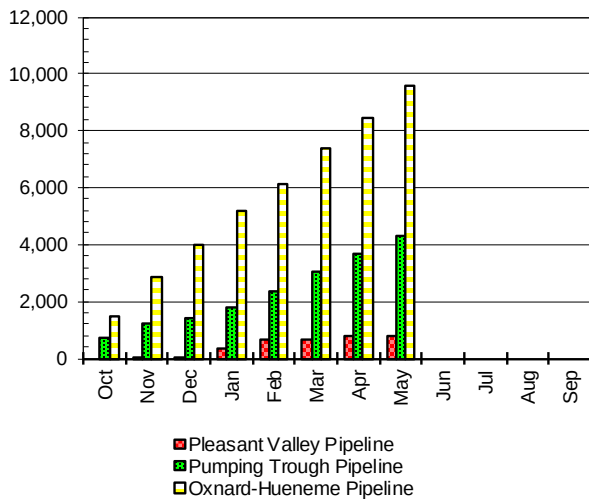
Monthly Water Deliveries, acre-feet (Water Year 2021/22)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
PV Pipeline (surface water)	0.0	0.0	15.2	342.3	304.9	0.0	99.4	8.2				
PV Pipeline (saticoy well field)	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0				
Total to Pleasant Valley Pipeline	0.0	0.1	15.2	342.3	304.9	0.0	99.4	8.2				
Saticoy Well Field	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
PTP (surface water)	0.0	0.0	37.3	296.5	501.0	301.9	459.3	300.2				
PTP (groundwater)	695.3	557.9	139.7	36.7	123.4	342.6	186.6	347.0				
PTP (Saticoy well field)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
Total PTP	695.3	557.9	177.0	333.2	624.4	644.5	645.9	647.2				
O-H Pipeline (groundwater)	1,497.9	1,346.1	1,161.3	1,148.7	993.9	1,210.7	1,074.2	1,130.6				
Total Surface Water Delivery (PTP & PV)	0.0	0.0	52.5	638.8	805.9	301.9	558.7	308.4				
Total Groundwater Delivery (OH & PTP)	2,193.2	1,904.0	1,301.0	1,185.4	1,117.3	1,553.3	1,260.8	1,477.6				
Total Delivery, Surface Water & GW	2,193.2	1,904.0	1,353.5	1,824.2	1,923.2	1,855.2	1,819.5	1,786.0				

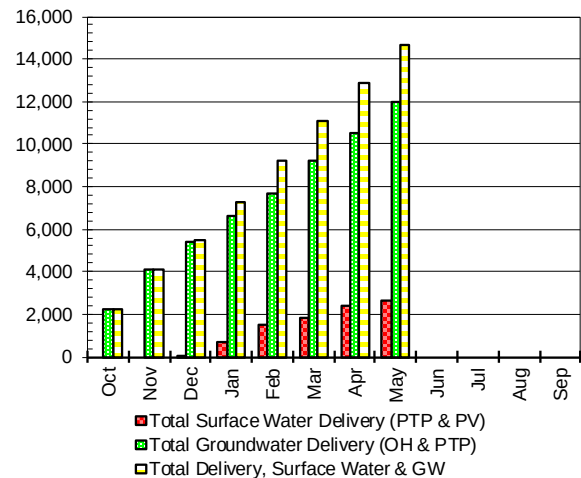
Cumulative Water Deliveries, acre-feet (Water Year 2021/22)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
PV Pipeline (surface water)	0.0	0.0	15.2	357.5	662.4	662.4	761.8	770.0				
PV Pipeline (saticoy well field)	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1				
Total to Pleasant Valley Pipeline	0.0	0.1	15.3	357.6	662.5	662.5	761.9	770.1				
Saticoy Well Field	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
PTP (surface water)	0.0	0.0	37.3	333.8	834.8	1,136.7	1,596.0	1,896.2				
PTP (groundwater)	695.3	1,253.2	1,392.9	1,429.5	1,552.9	1,895.5	2,082.1	2,429.1				
PTP (Saticoy well field)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
Total PTP	695.3	1,253.2	1,430.2	1,763.3	2,387.7	3,032.2	3,678.1	4,325.3				
O-H Pipeline (groundwater)	1,497.9	2,844.0	4,005.3	5,154.0	6,147.9	7,358.6	8,432.8	9,563.4				
Total Surface Water Delivery (PTP & PV)	0.0	0.0	52.5	691.3	1,497.2	1,799.1	2,357.8	2,666.2				
Total Groundwater Delivery (OH & PTP)	2,193.2	4,097.2	5,398.2	6,583.5	7,700.8	9,254.1	10,514.9	11,992.5				
Total Delivery, Surface Water & GW	2,193.2	4,097.2	5,450.7	7,274.8	9,198.0	11,053.2	12,872.7	14,658.7				

Cumulative deliveries by system



Cumulative deliveries by source/type



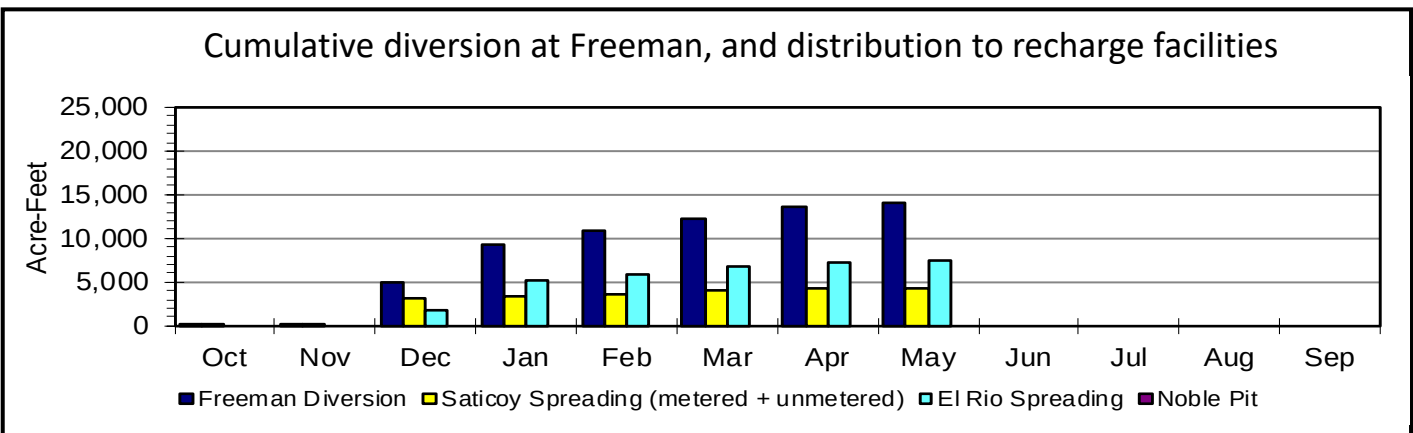
Monthly diversion and recharge totals by facility, 2021/22, in acre-feet

Month	Piru Spreading	Freeman Diversion	Saticoy Spreading (metered + unmetered)	El Rio Spreading	Noble Pit
Oct	0	2	2	0	0
Nov	0	76	76	0	0
Dec	0	4,936	3,037	1,860	0
Jan	0	4,168	371	3,262	0
Feb	0	1,702	204	807	0
Mar	0	1,445	439	744	0
Apr	0	1,337	270	621	0
May	0	428	-103 *	223	0
Jun					
Jul					
Aug					
Sep					

Lloyd-Butler diversion was not available at the time this report was prepared and therefore not accounted for in the calculation of Saticoy Spreading; *Water delivered from desilting basin.

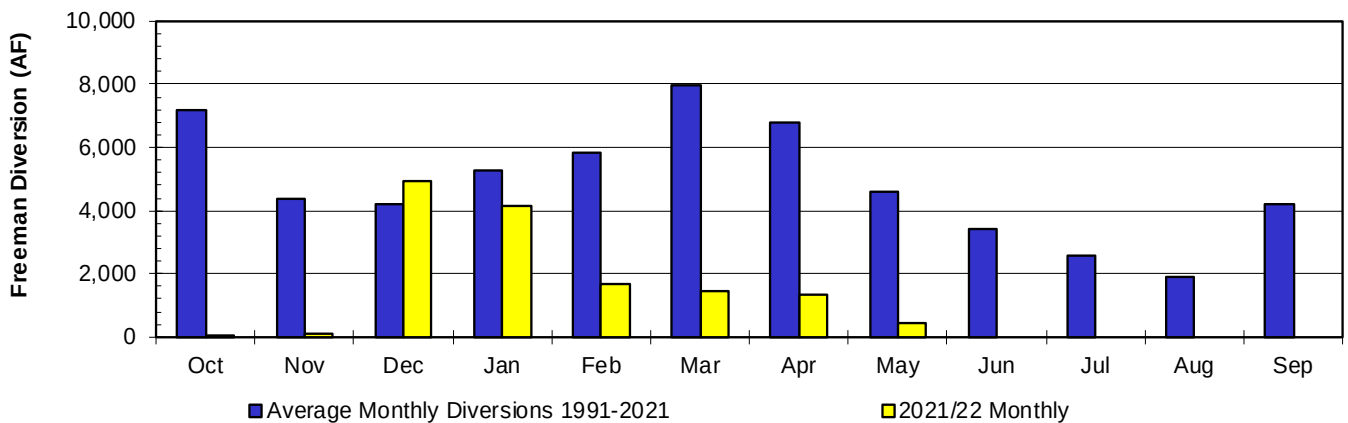
Cumulative diversion and recharge totals by facility, 2021/22, in acre-feet

Month	Piru Spreading	Freeman Diversion	Saticoy Spreading (metered + unmetered)	El Rio Spreading	Noble Pit
Oct	0	2	2	0	0
Nov	0	78	78	0	0
Dec	0	5,014	3,115	1,860	0
Jan	0	9,182	3,486	5,122	0
Feb	0	10,884	3,690	5,929	0
Mar	0	12,329	4,129	6,673	0
Apr	0	13,666	4,398	7,294	0
May	0	14,094	4,295	7,517	0
Jun					
Jul					
Aug					
Sep					

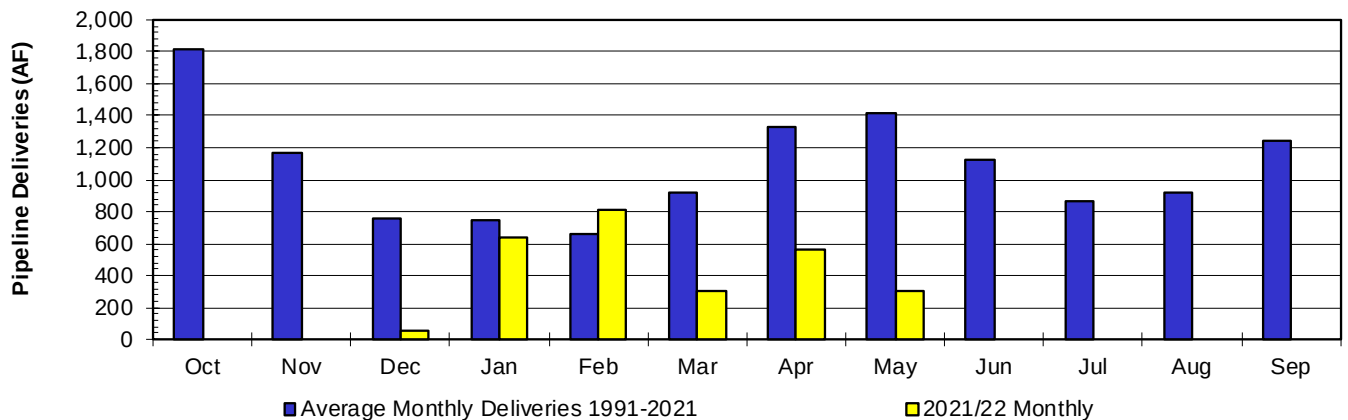


Cumulative diversions to Piru Spreading Grounds, 2021/22 = 0 AF

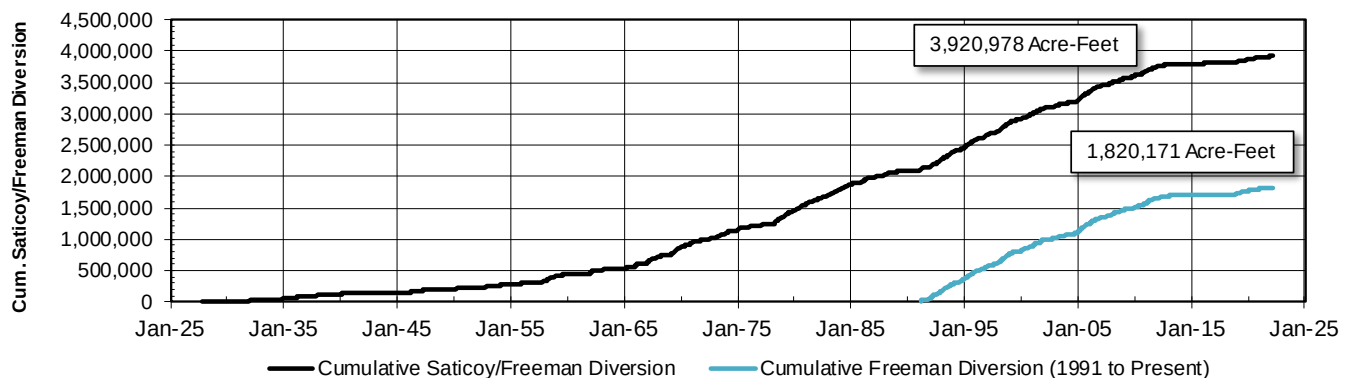
Monthly 2021/22 diversion at Freeman, compared to average monthly diversions (1991-2021)



Monthly 2021/22 pipeline deliveries (surface water deliveries), compared to average monthly pipeline deliveries (1991-2021)

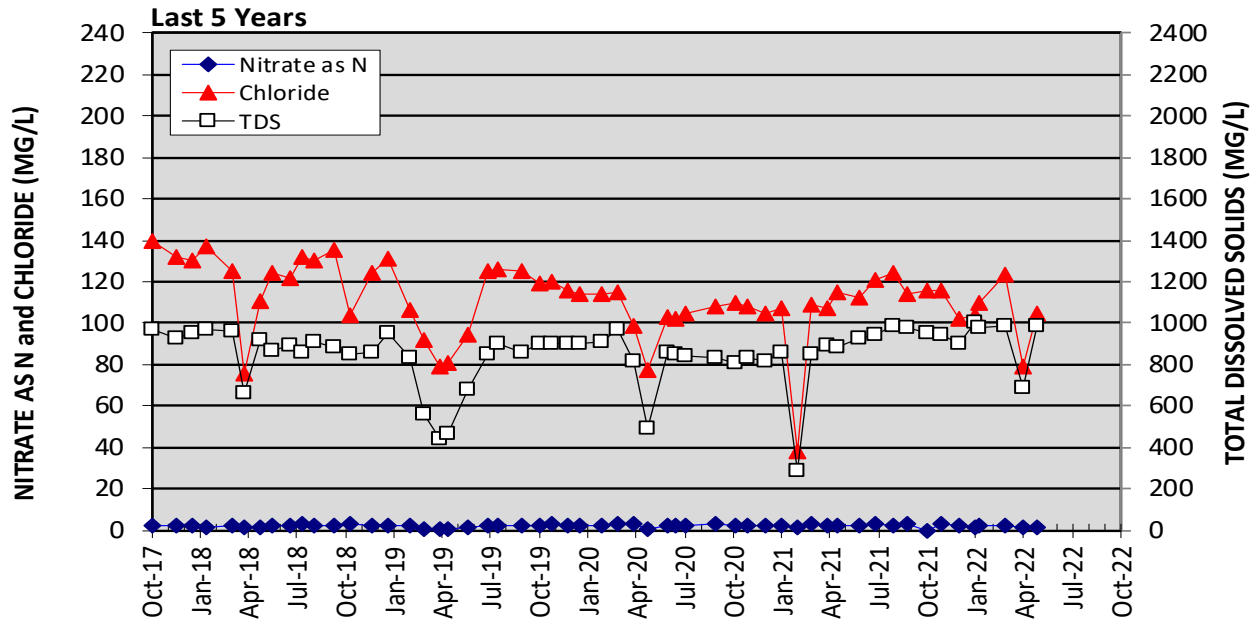


Cumulative diversion at Saticoy and Freeman Diversion, in acre-feet

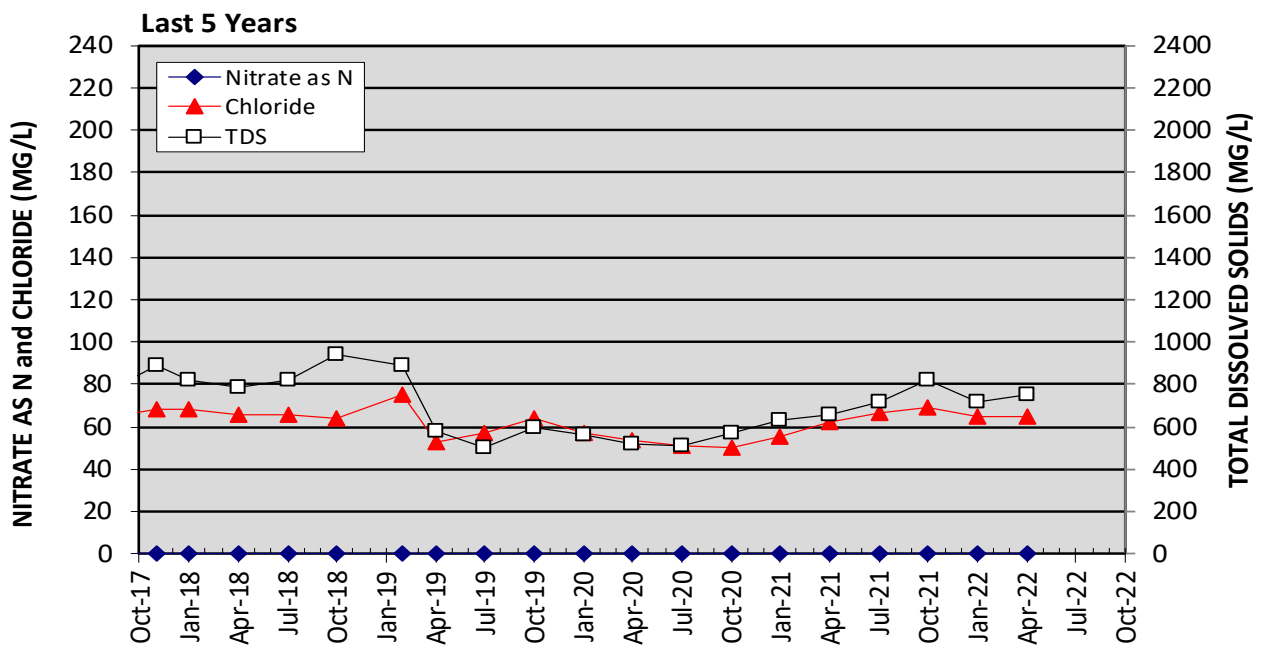


Water Quality

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

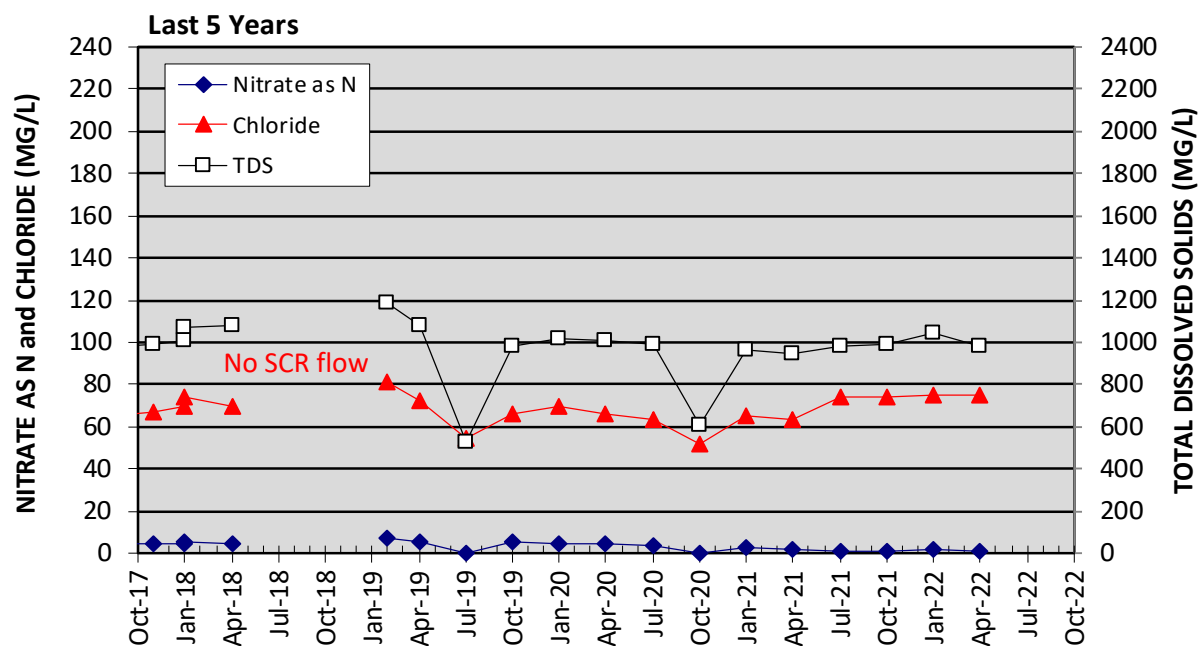


Piru Creek water quality below Santa Felicia Dam

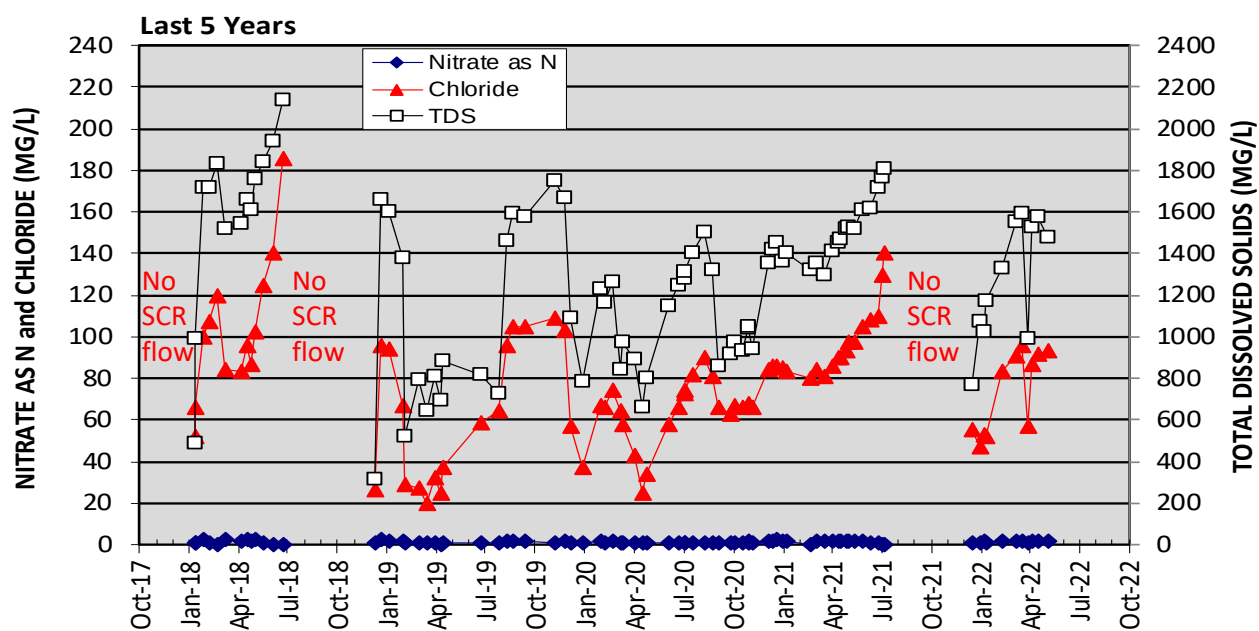


Water Quality

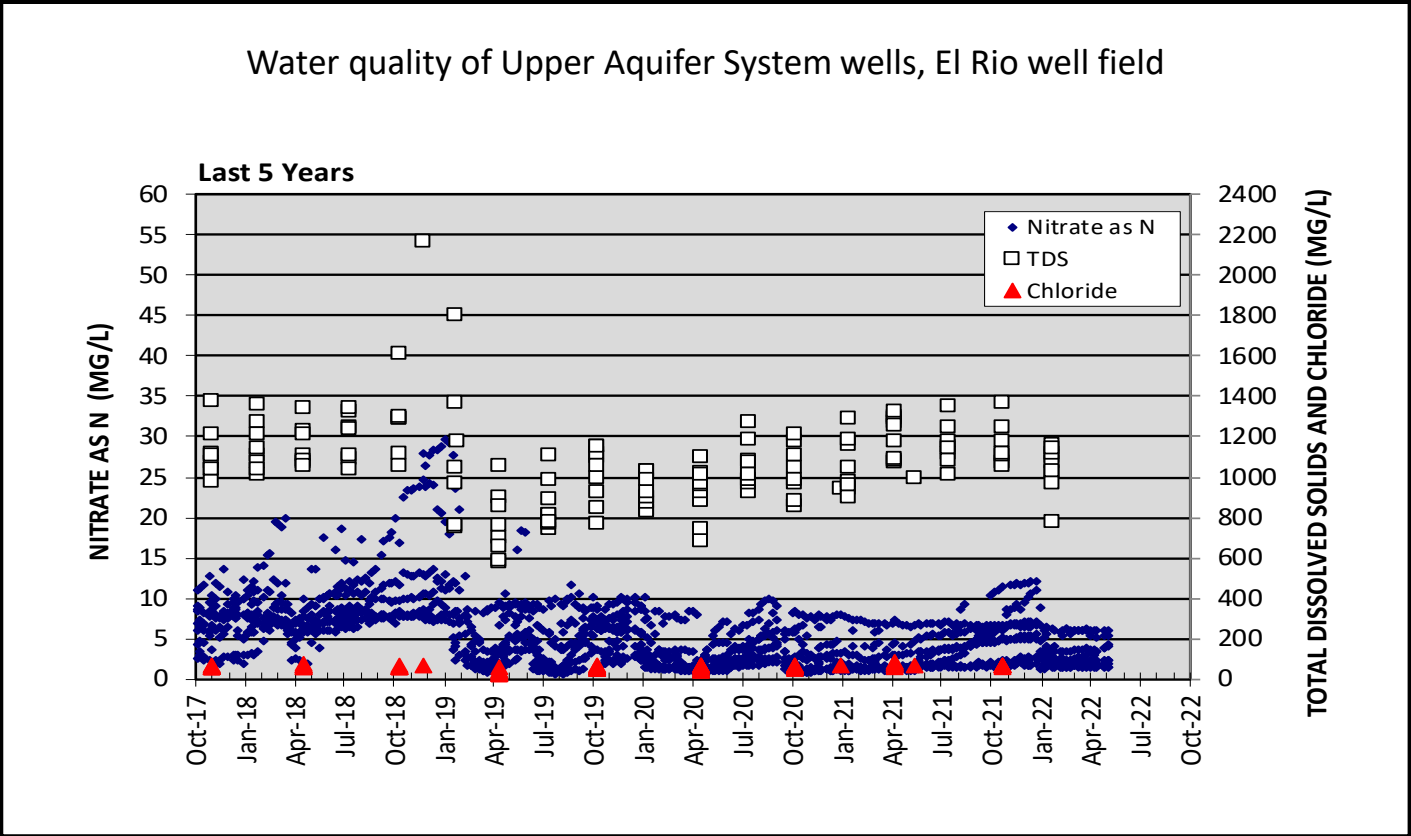
Santa Clara River water quality near Fillmore Fish Hatchery

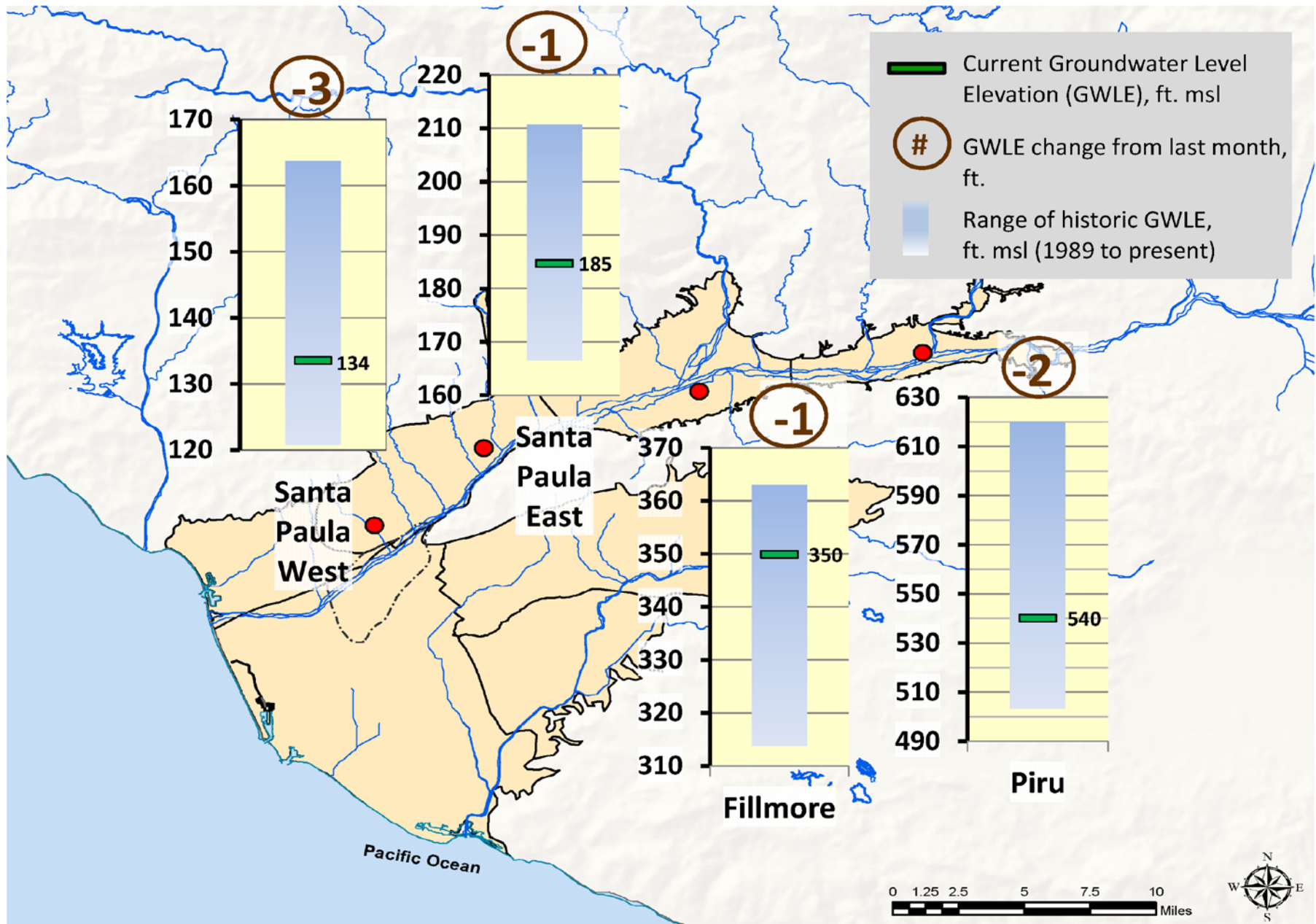


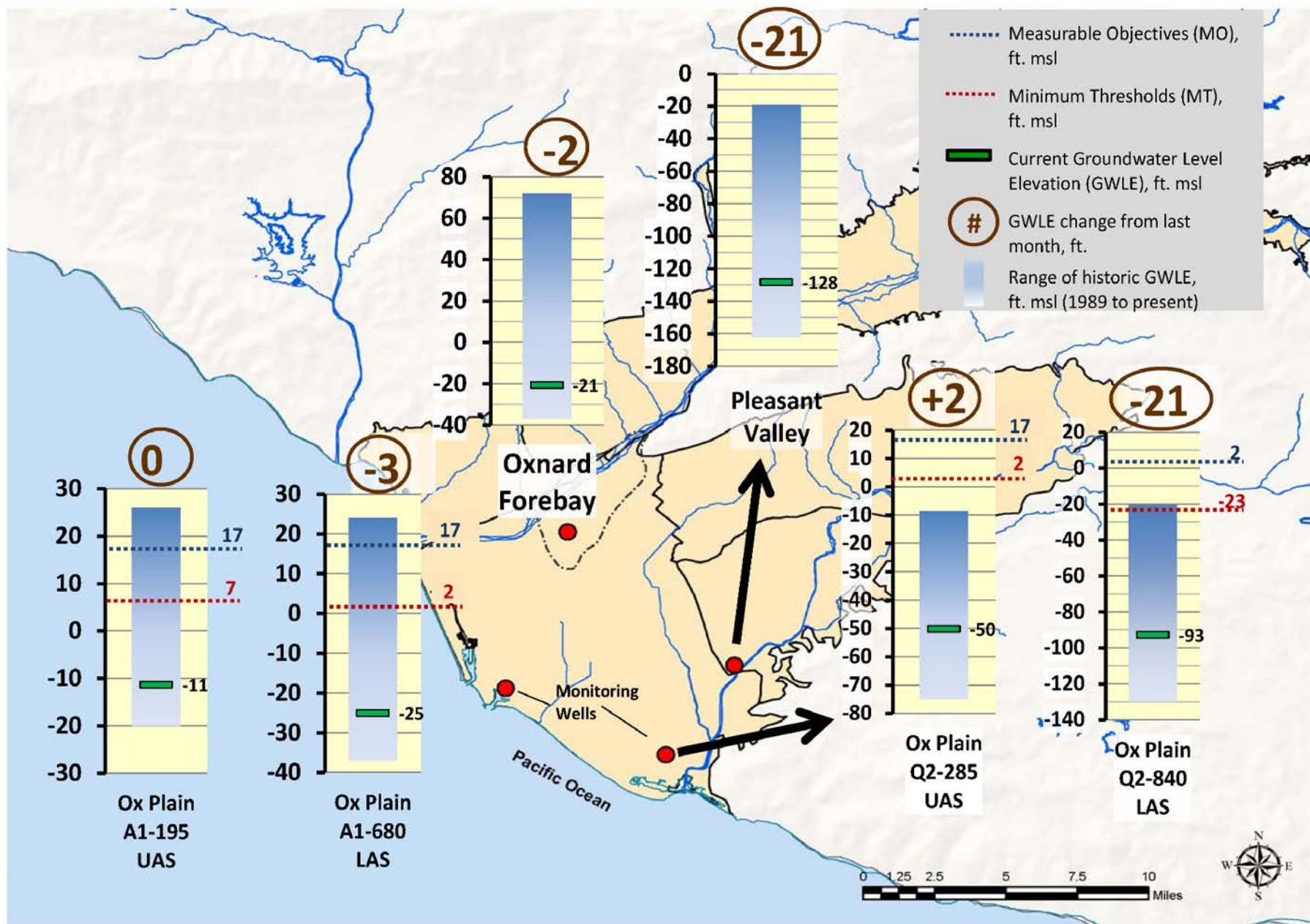
Santa Clara River water quality at Freeman Diversion



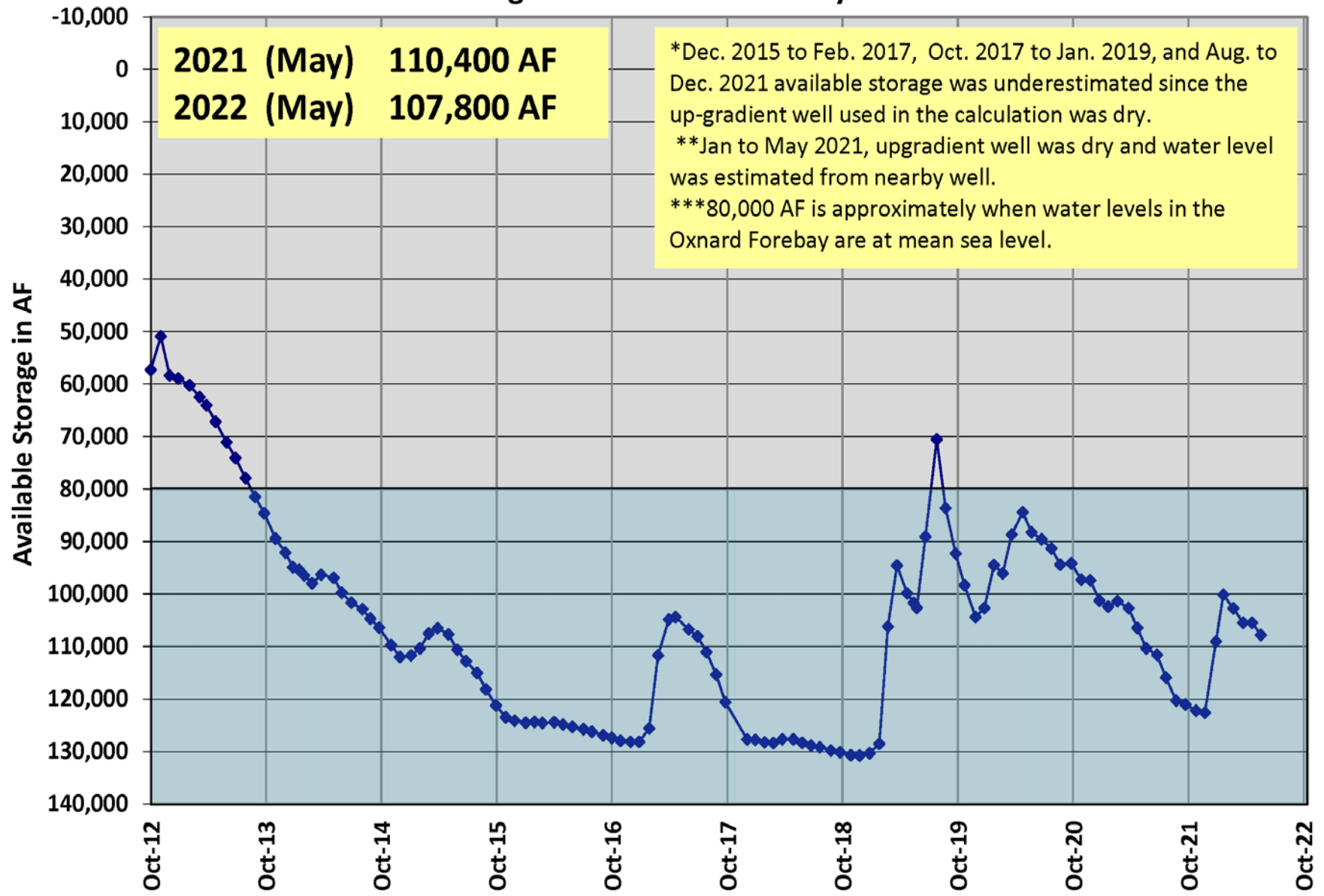
Water Quality

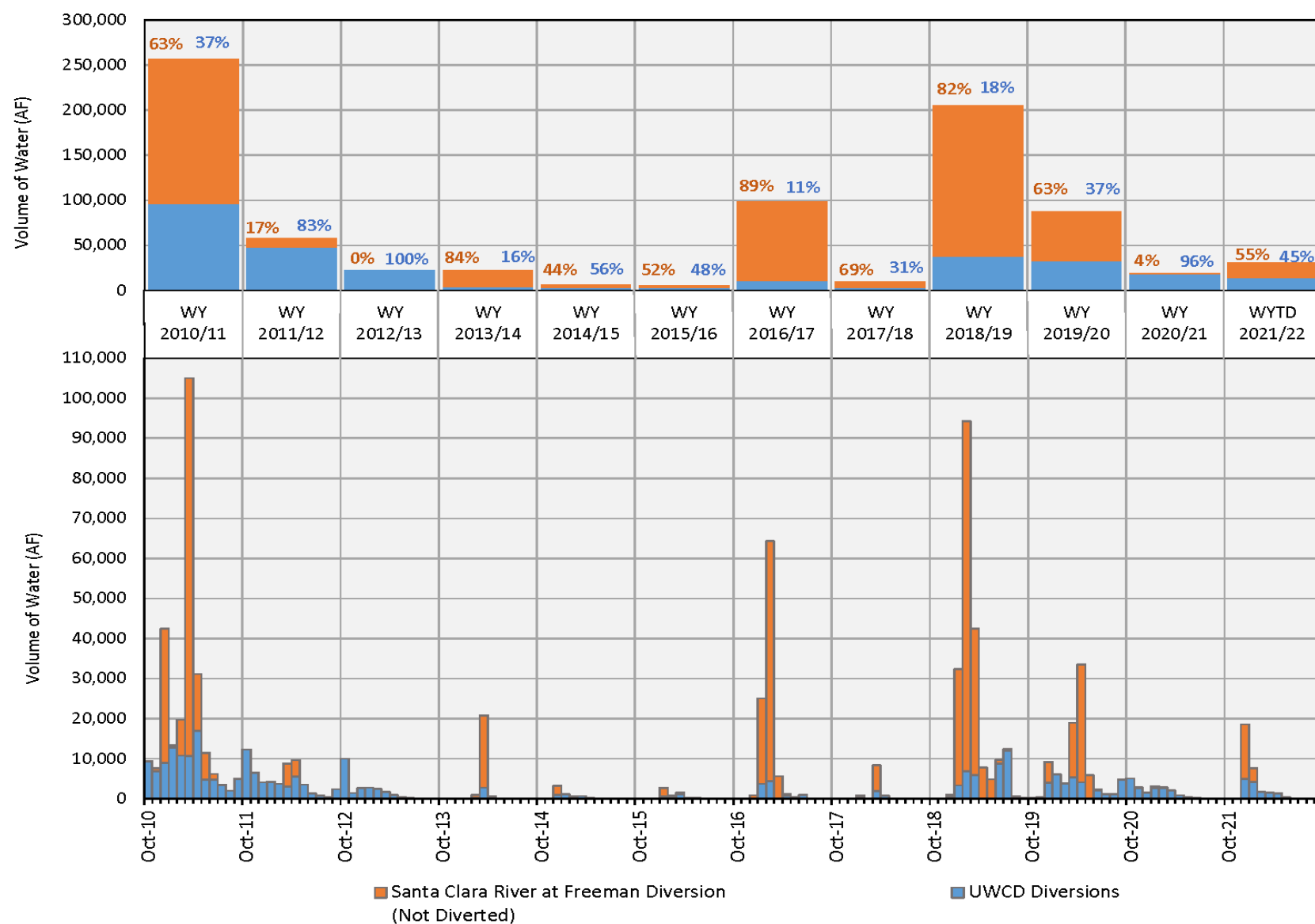






Available Storage in the Oxnard Forebay - Last 10 Years





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