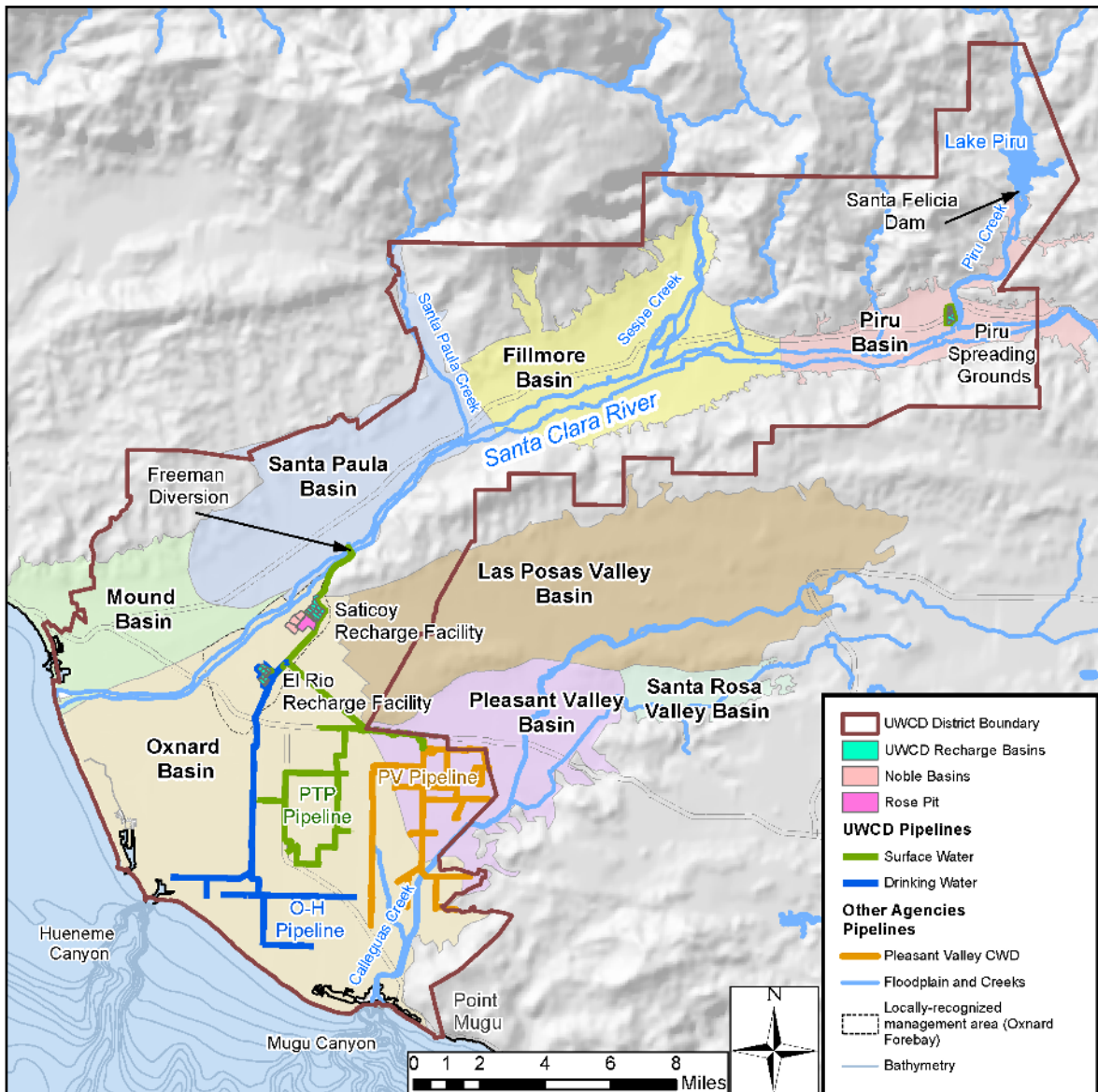


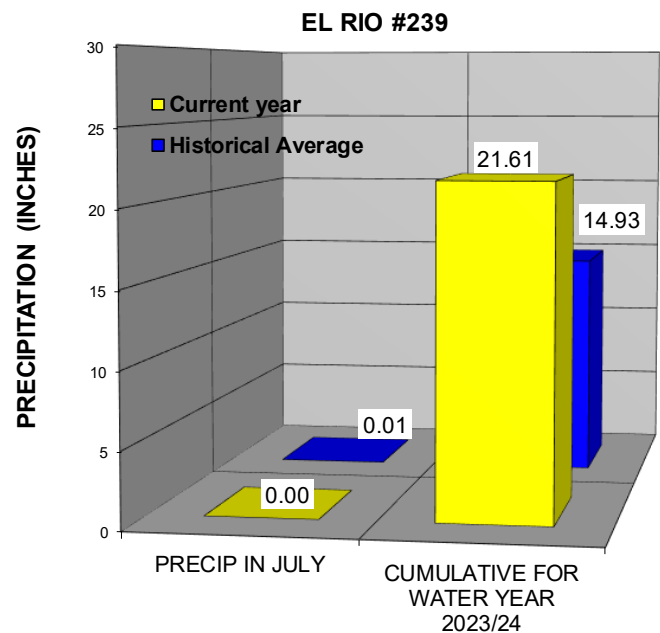
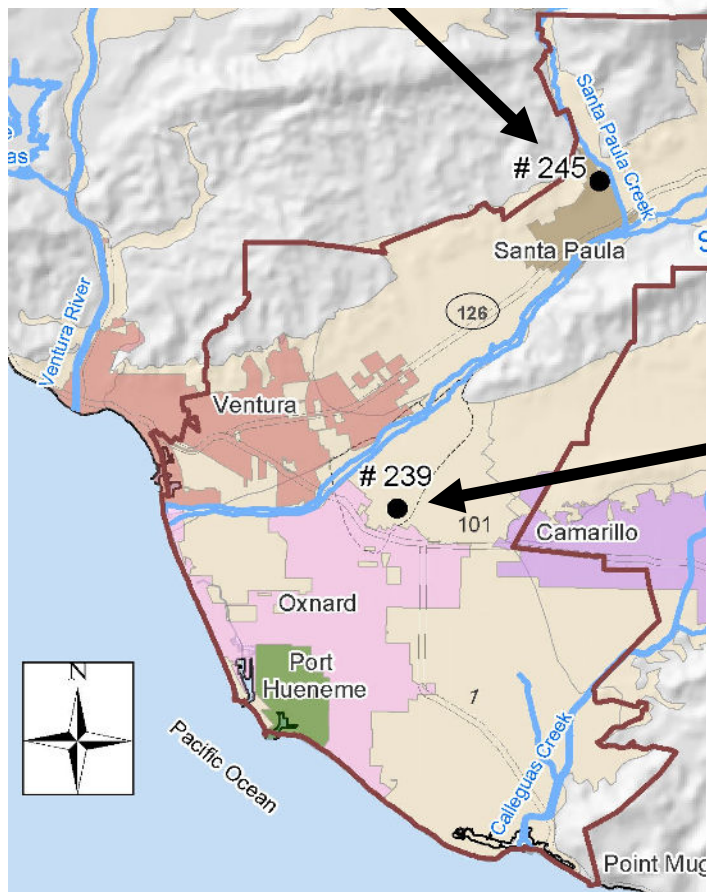
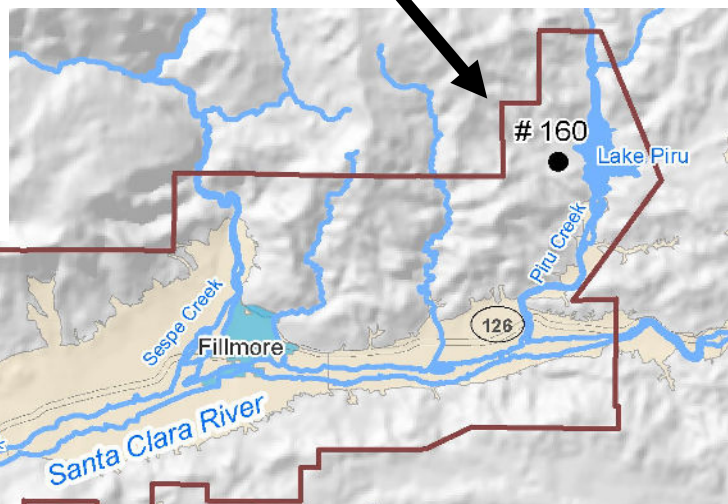
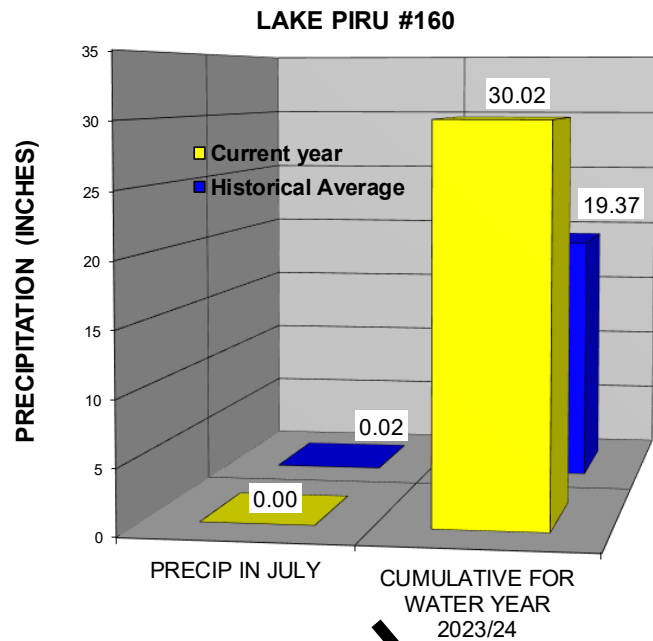
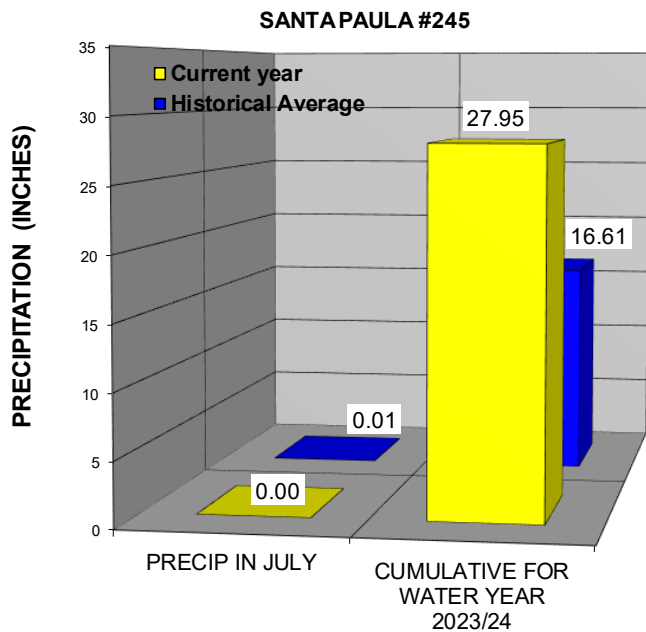
July 2024 Hydrologic Conditions Report 2023/24 Water Year

August 28, 2024



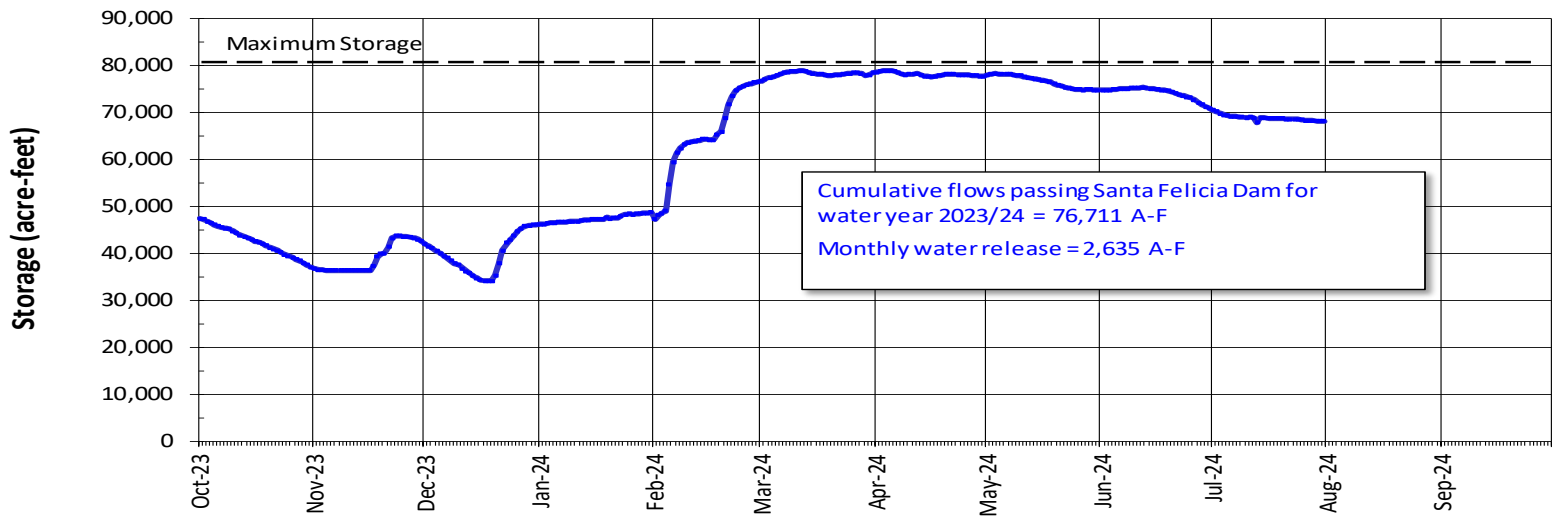
Note: This report may contain provisional data until final review at the end of the water year.

Precipitation



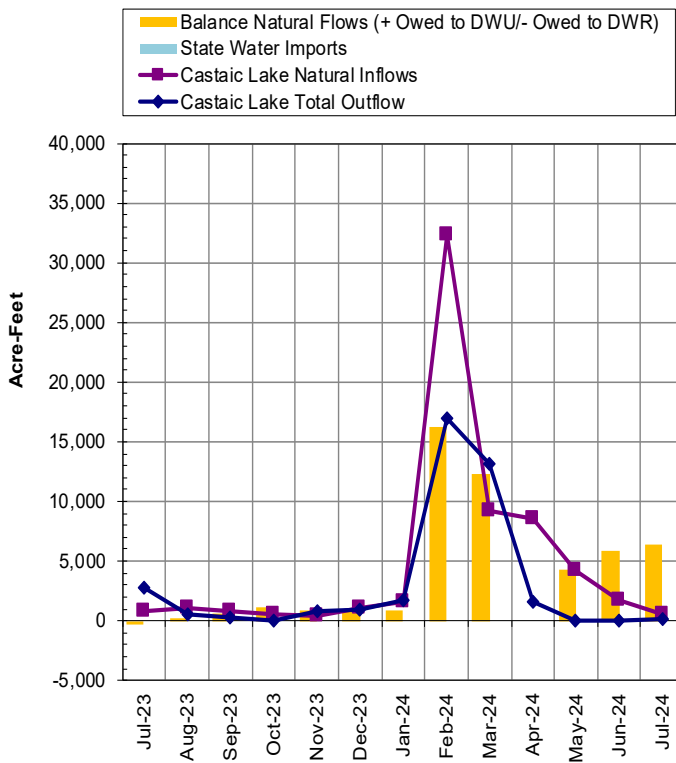
District-wide percent of normal precipitation = 156%

Lake Piru Storage and Outflow

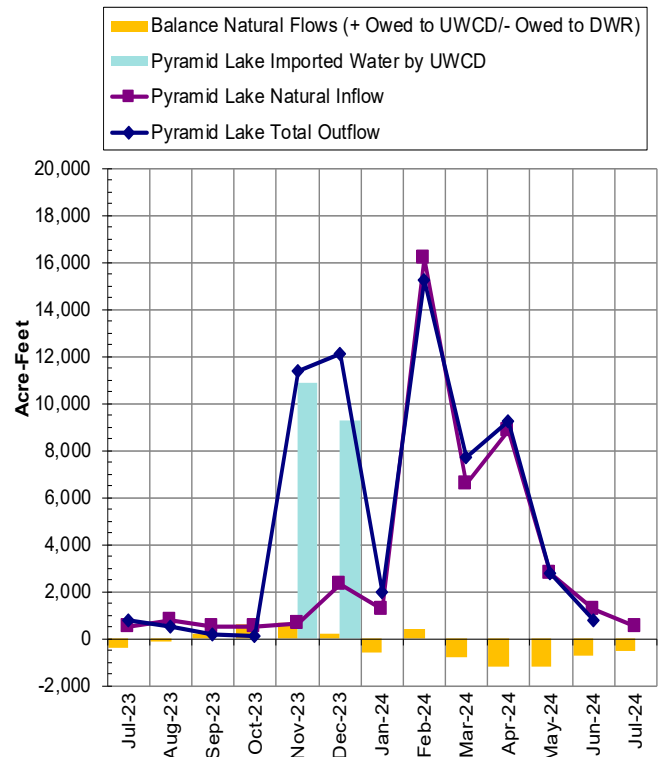


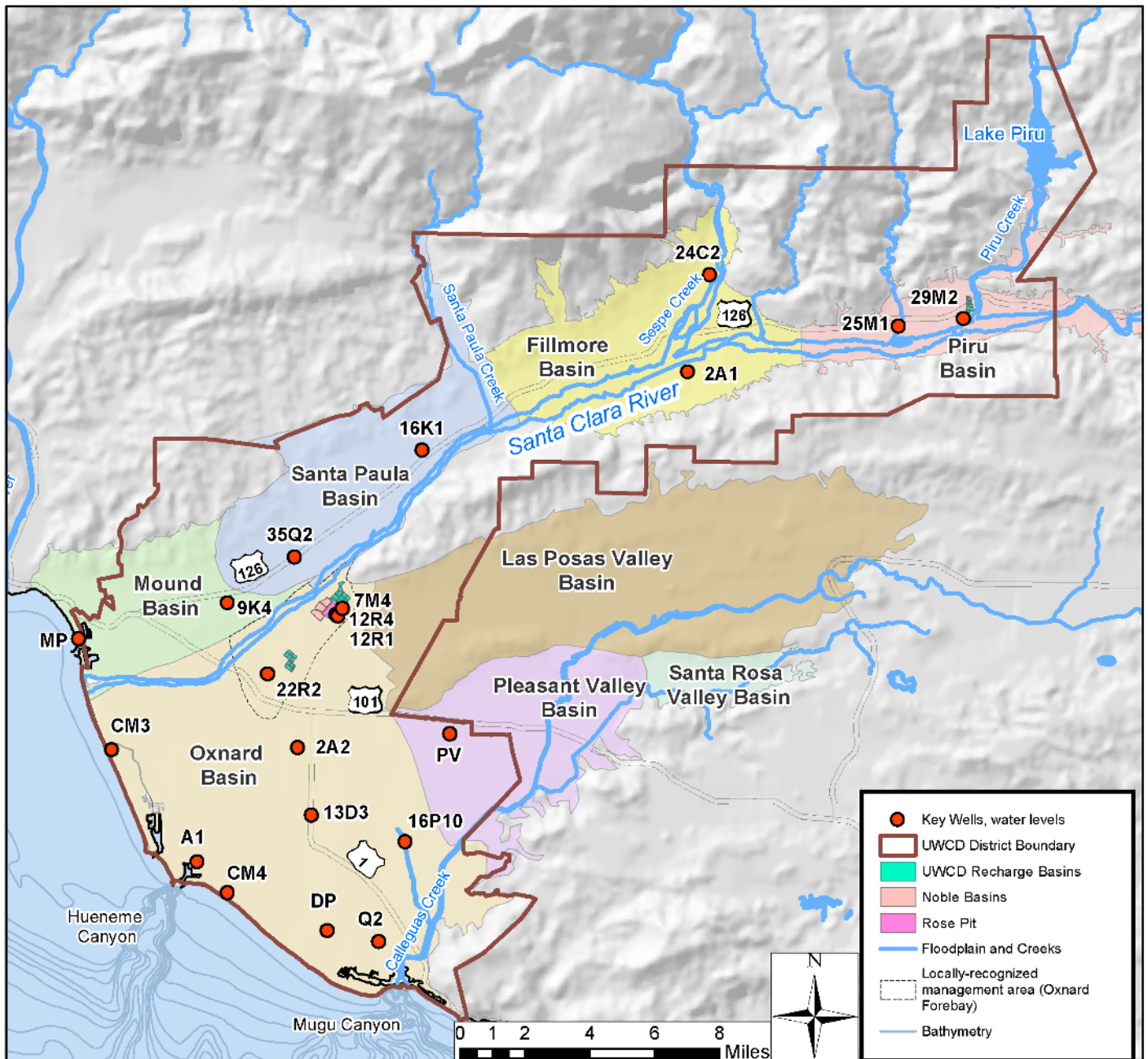
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Hydro Plant Outflow (Acre-Feet)	0	0	0	0	0	0	0	0	0	0		
Cumulative Hydro Plant Outflow (A-F)	0	0	0	0	0	0	0	0	0	0		

Castaic Lake releases to downstream water users (DWU)



Pyramid Lake releases to UWCD

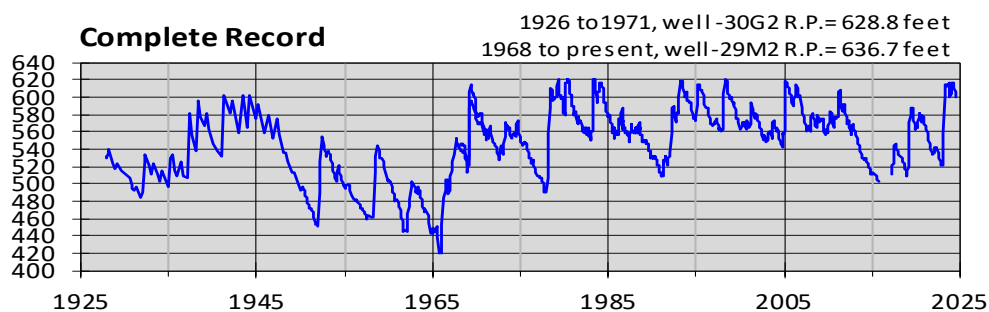
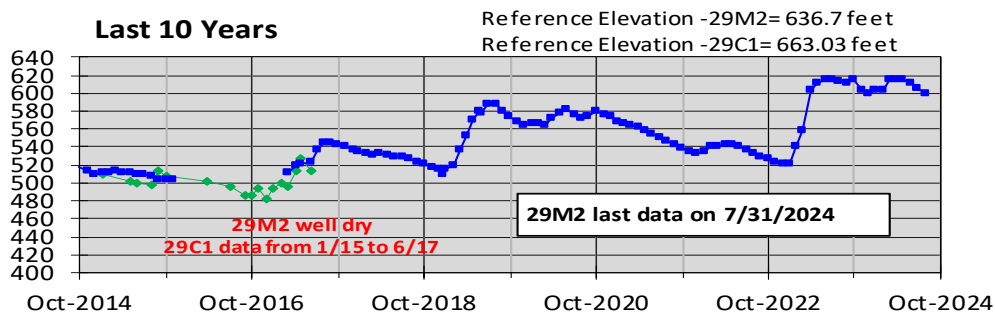




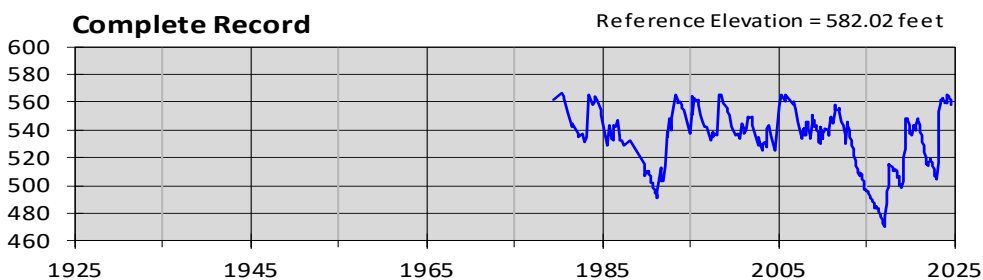
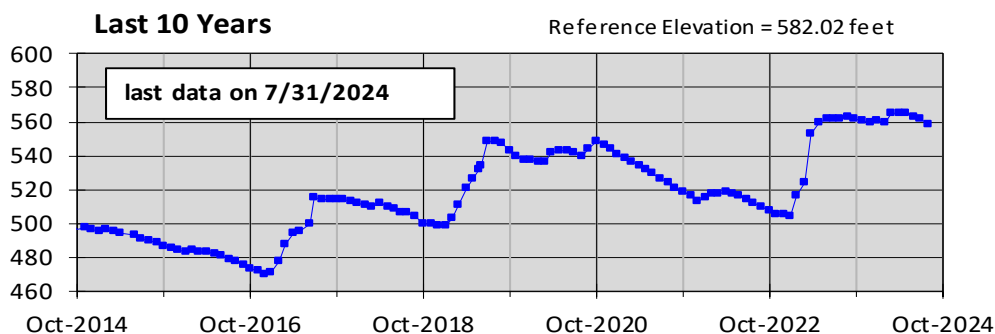
Locations of Key Wells, Monthly Groundwater Elevation Monitoring

Groundwater Elevation Records – Piru Basin

Well 04N18W29M02S (29M2)



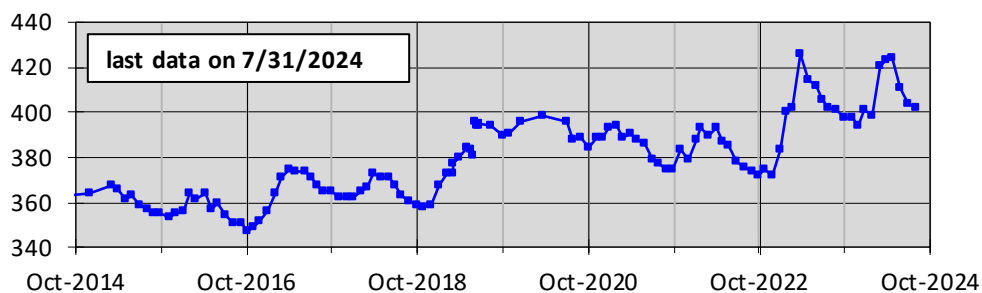
Well 04N19W25M01S (25M1)



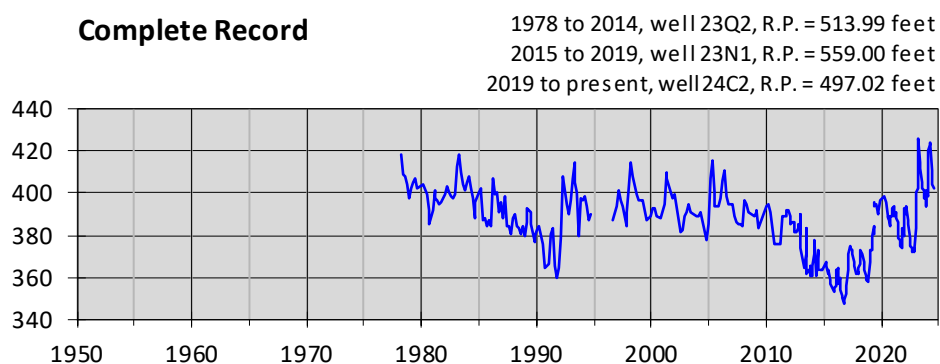
Groundwater Elevation Records – Fillmore Basin

Well 04N20W24C02S (24C2)

Last 10 Years



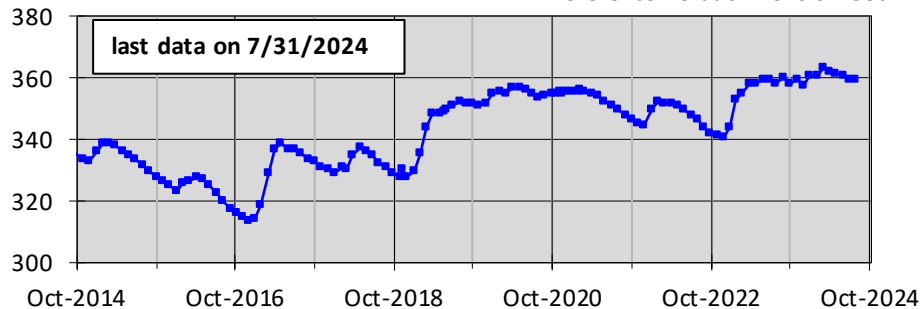
Complete Record



Well 03N20W02A01S (2A1)

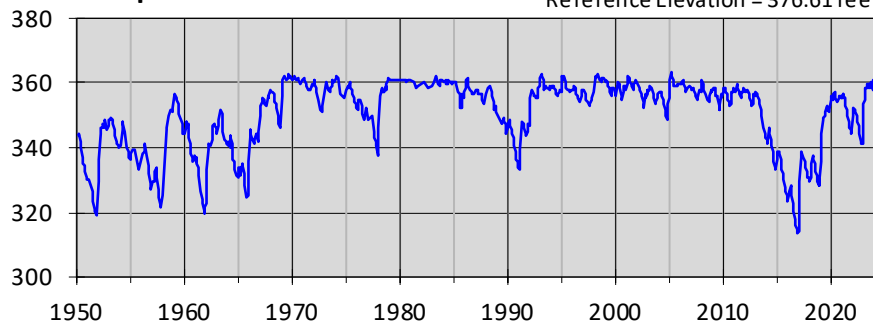
Last 10 Years

Reference Elevation = 376.61 feet

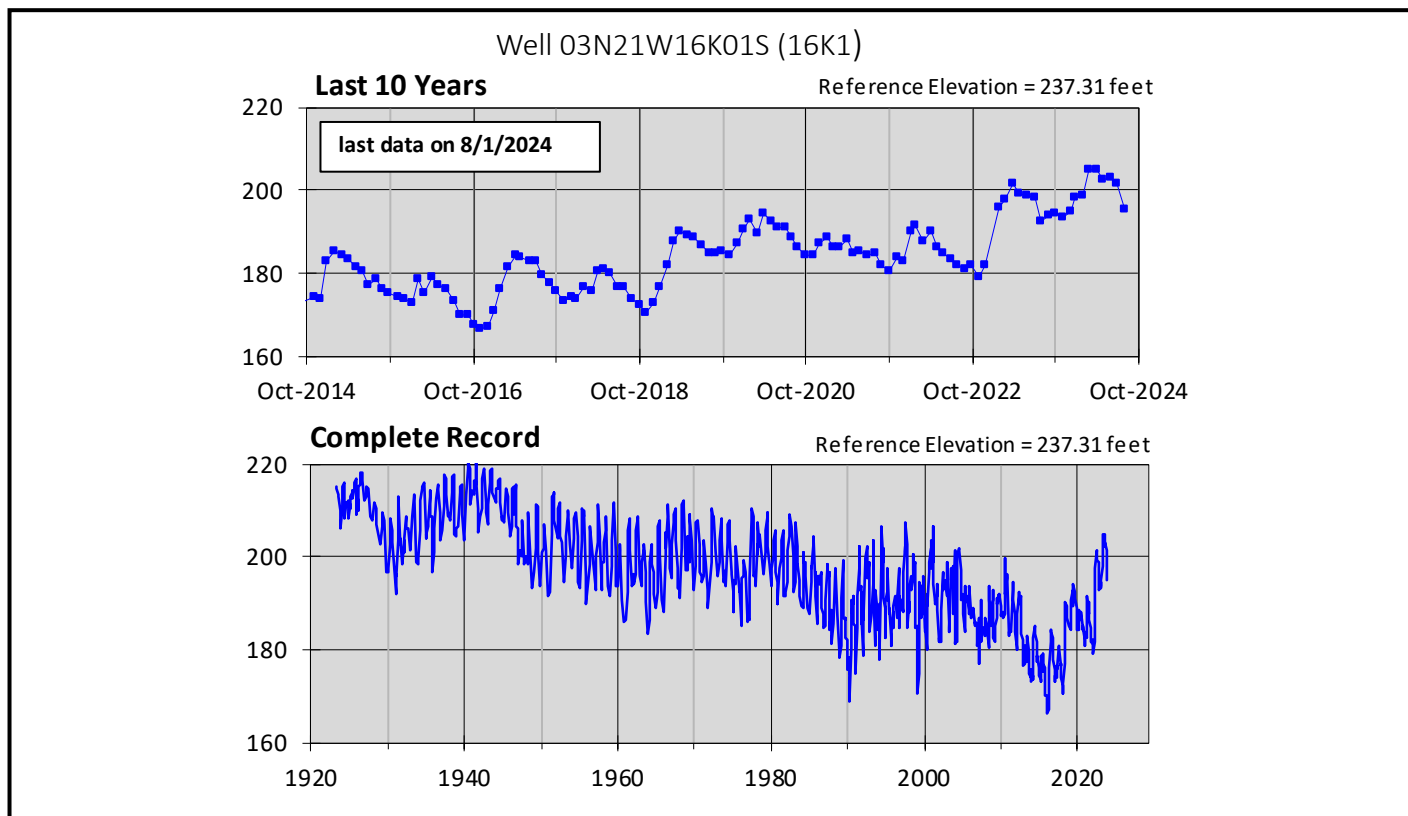


Complete Record

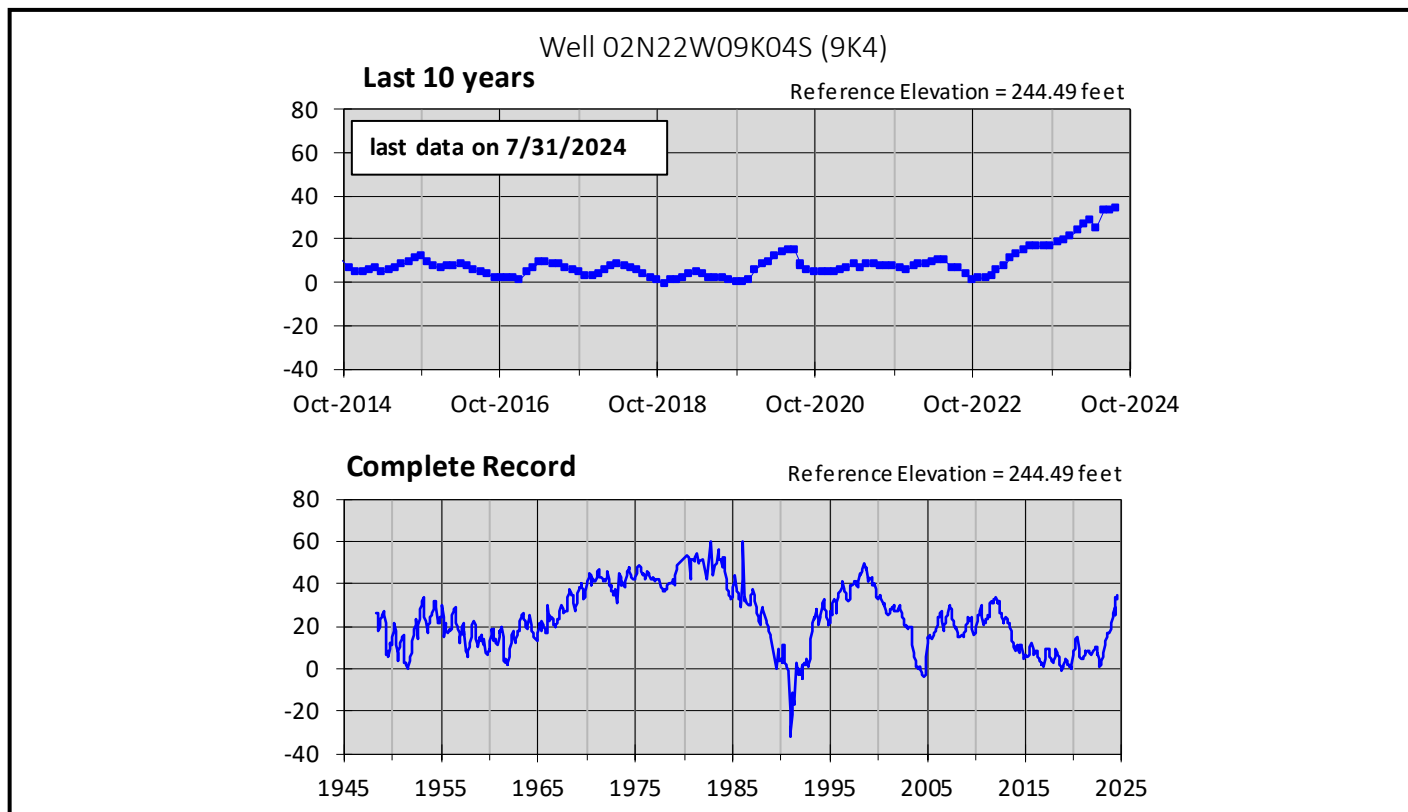
Reference Elevation = 376.61 feet



Groundwater Elevation Records – Santa Paula Basin



Groundwater Elevation Records – Mound Basin

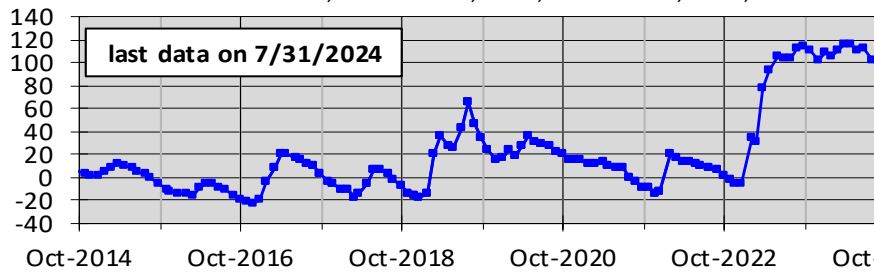


Groundwater Elevation Records – Oxnard Basin, Forebay

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

Last 10 Years

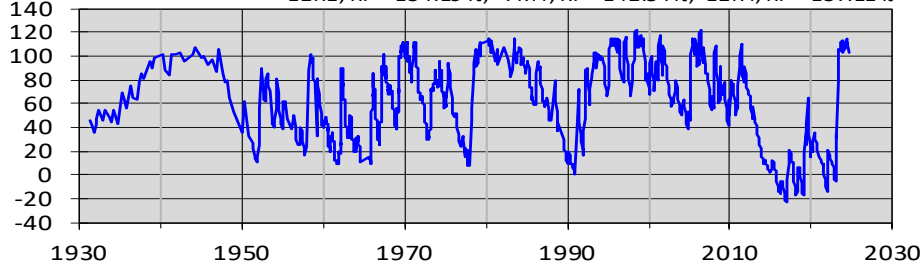
-12R1; RP = 134.19 ft; - 7M4; RP = 142.84 ft; -12R4; RP = 137.11 ft



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

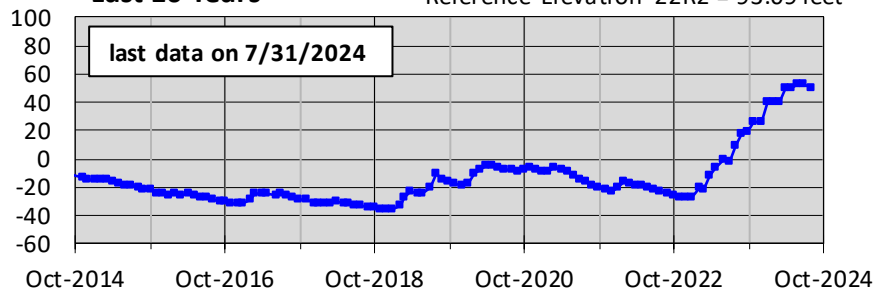


Note: Well 12R1 was destroyed in 2014 and replaced with well 12R4. When well 12R4 goes dry at approximately 9 ft msl, well 7M4 is used to measure groundwater level.

Well 02N22W22R02S (22R2)

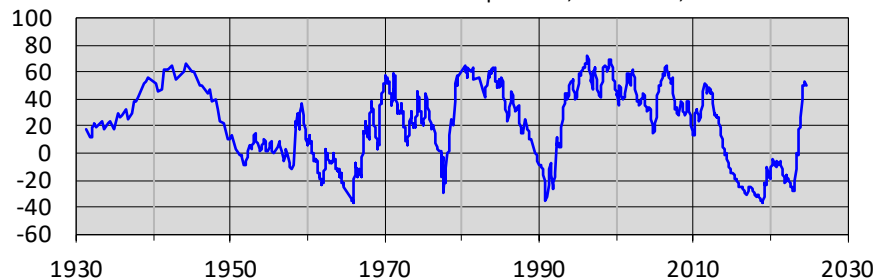
Last 10 Years

Reference Elevation -22R2 = 93.09 feet

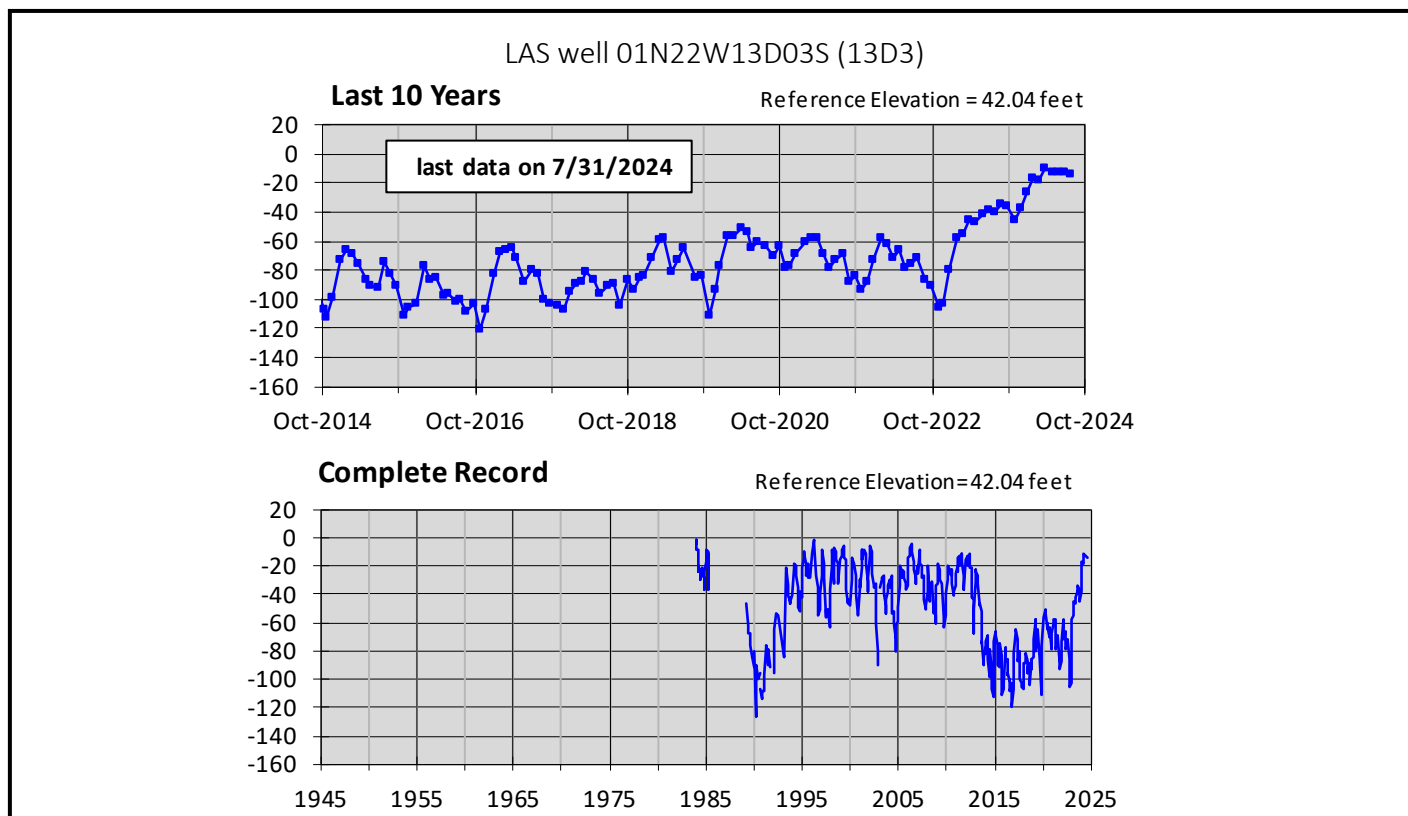
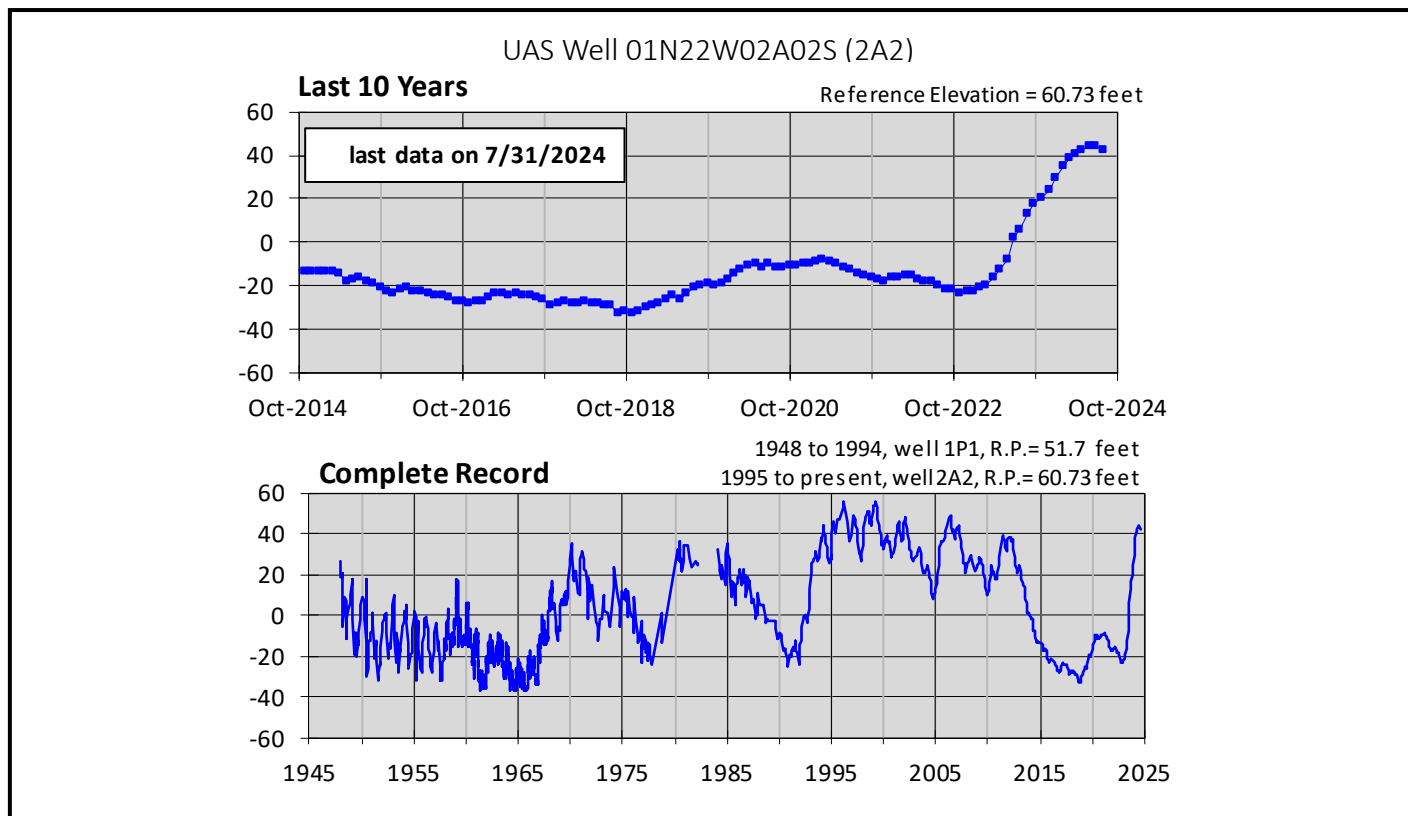


Complete Record

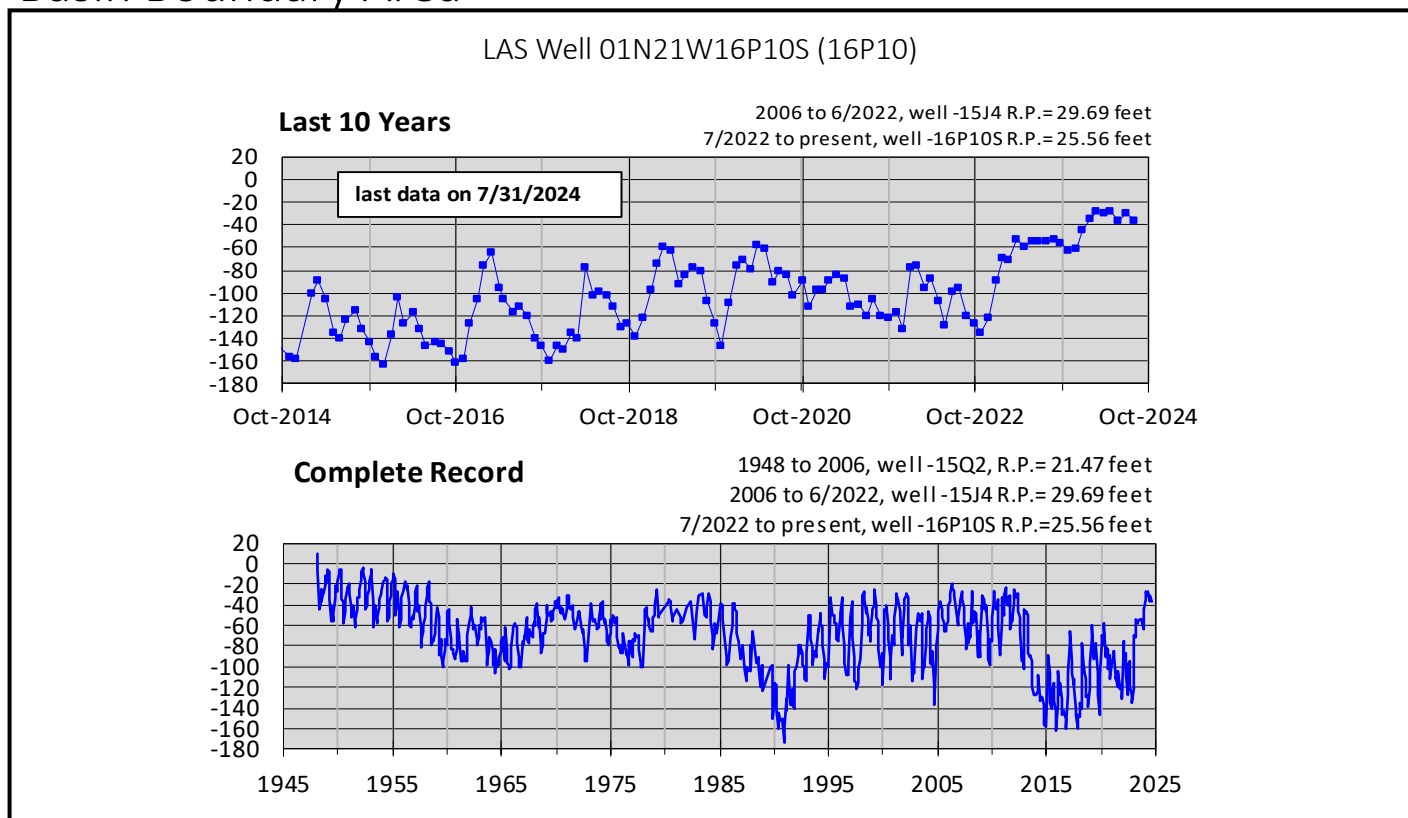
1931 to 2004, well -22R1, RP = 93.6 feet
2004 to present, well -22R2, RP = 93.09 feet



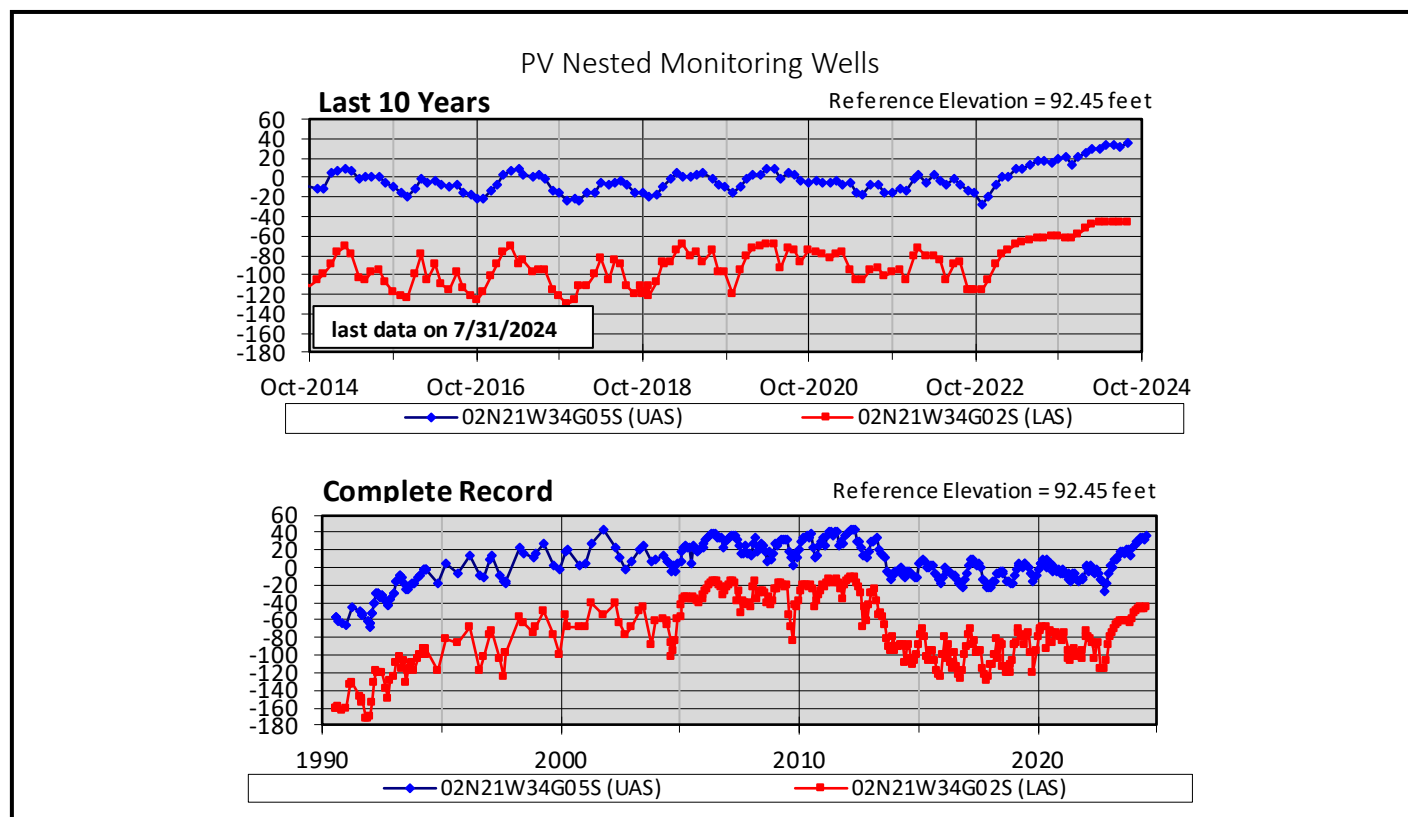
Groundwater Elevation Records – Oxnard Basin



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

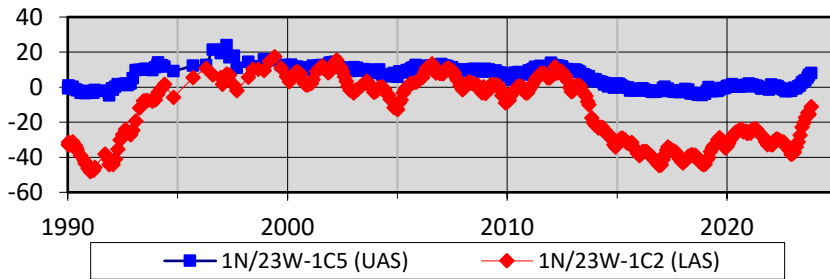


Groundwater Elevation Records – Pleasant Valley Basin

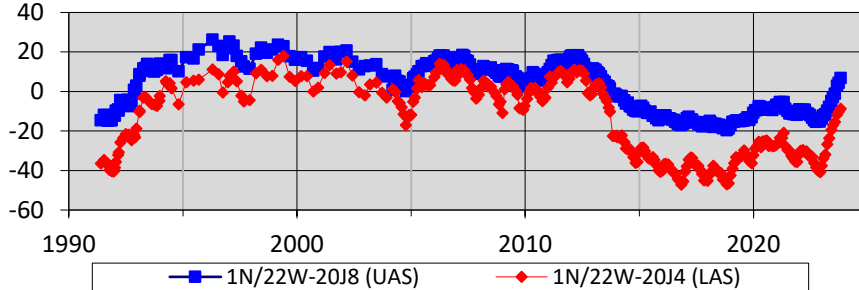


Groundwater Elevation Records – Coastal Nested Monitoring Wells

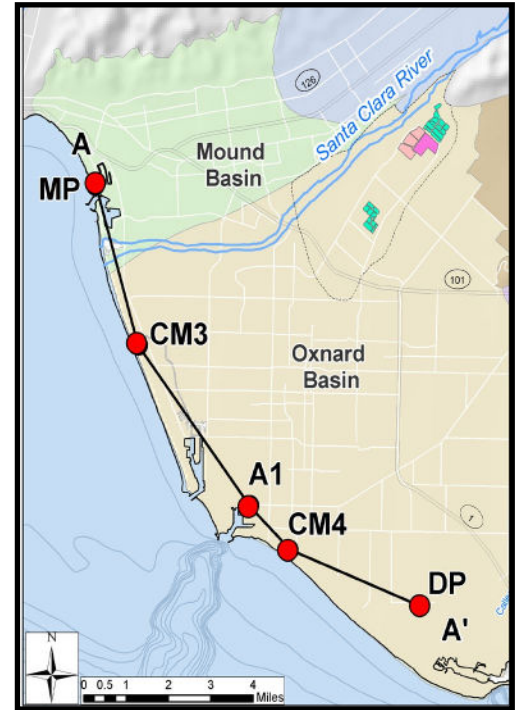
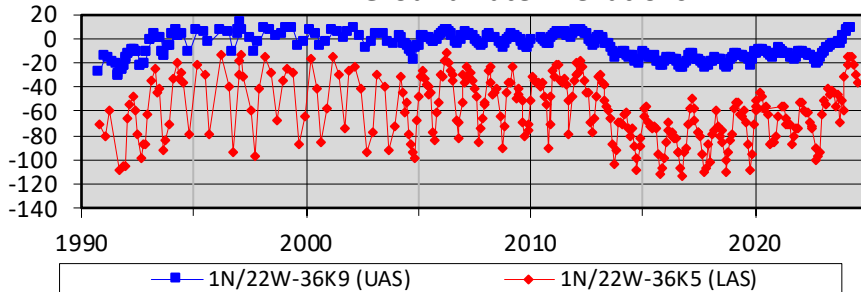
CM3 Groundwater Elevations



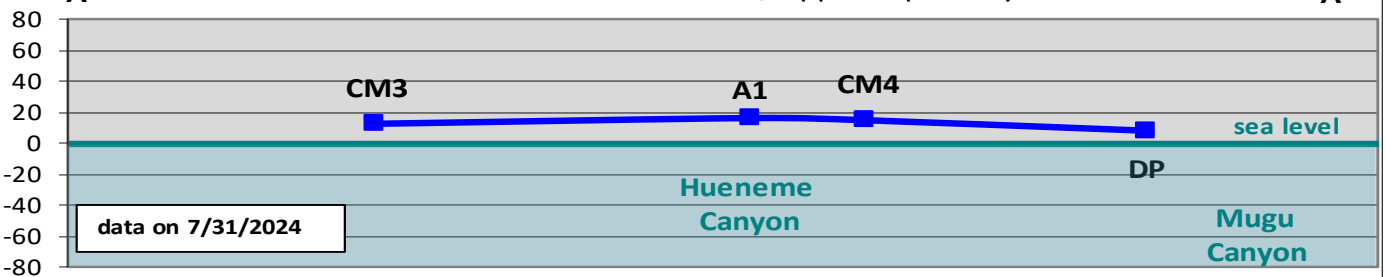
A1 Groundwater Elevations



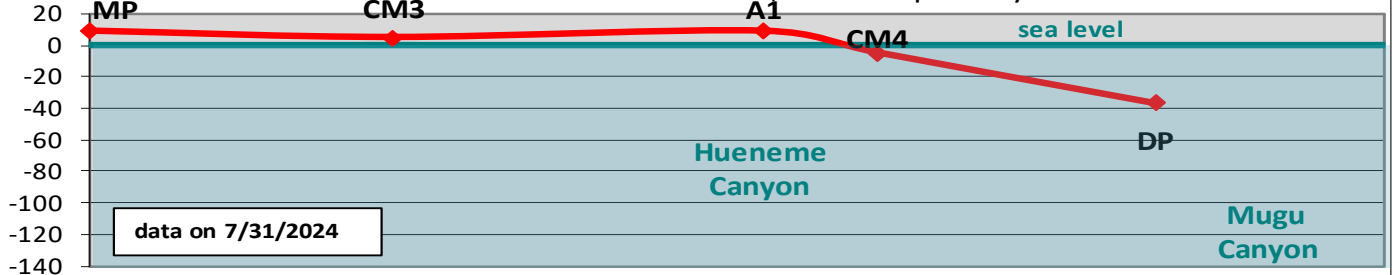
DP Groundwater Elevations



Coastal Groundwater Elevation Transect, Upper Aquifer System



Coastal Groundwater Elevation Transect, Lower Aquifer System



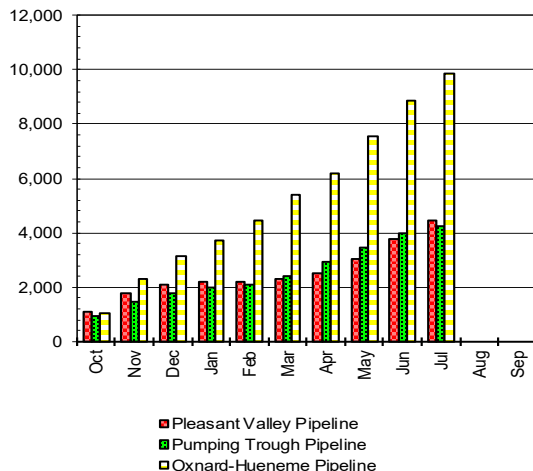
Monthly Water Deliveries, acre-feet (Water Year 2023/24)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
PV Pipeline (surface water)	1,114.2	555.3	314.4	96.3	0.0	109.8	204.3	527.5	717.6	408.3		
PV Pipeline (Saticoy well field)	0.0	105.8	0.0	4.1	0.0	0.0	0.0	0.0	0.0	296.1		
Total to Pleasant Valley Pipeline	1,114.2	661.1	314.4	100.4	0.0	109.8	204.3	527.5	717.6	704.4		
PTP (surface water)	913.9	359.0	289.4	201.6	129.1	305.5	452.3	527.2	516.3	126.4		
PTP (PTP 1-5)	10.5	54.2	7.1	16.2	10.3	7.1	36.3	3.6	0.1	90.2		
PTP (OH-12/13)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
PTP (Saticoy well field)	0.0	118.6	0.0	3.9	0.0	0.0	0.0	0.0	0.0	60.7		
Total PTP	924.4	531.8	296.5	221.6	139.5	312.6	488.6	530.8	516.4	277.2		
C-customers (surface water)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Saticoy Well Field (groundwater)	0.0	224.4	0.0	8.0	0.0	0.0	0.0	0.0	0.0	356.8		
O-H Pipeline (groundwater)	1,066.4	1,221.4	842.2	608.9	717.7	962.1	766.0	1,387.7	1,274.2	1,014.7		
Total Surface Water Delivery (PTP, PV, c-cust)	2,028.1	914.3	603.8	297.9	129.1	415.3	656.6	1,054.7	1,233.9	534.7		
Total Groundwater Delivery (PTP, OH, Sat)	1,076.9	1,500.0	849.3	633.1	728.0	969.2	802.3	1,391.3	1,274.3	1,461.6		
Total Delivery (surface water, groundwater)	3,105.0	2,414.3	1,453.1	931.0	857.2	1,384.5	1,458.9	2,446.0	2,508.2	1,996.3		

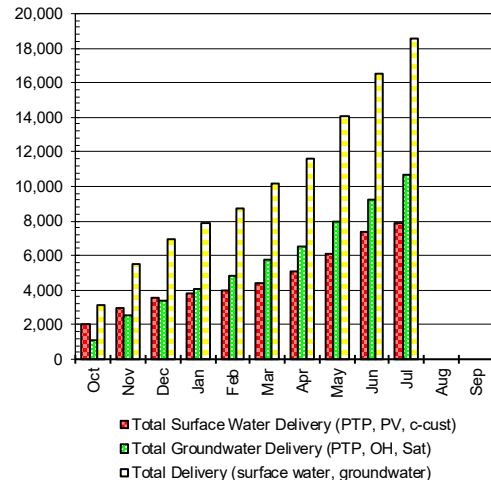
Cumulative Water Deliveries, acre-feet (Water Year 2023/24)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
PV Pipeline (surface water)	1,114.2	1,669.5	1,983.9	2,080.2	2,080.2	2,190.0	2,394.3	2,921.8	3,639.4	4,047.7		
PV Pipeline (saticoy well field)	0.0	105.8	105.8	109.9	109.9	109.9	109.9	109.9	109.9	406.0		
Total to Pleasant Valley Pipeline	1,114.2	1,775.3	2,089.7	2,190.1	2,190.1	2,299.9	2,504.2	3,031.7	3,749.3	4,453.7		
PTP (surface water)	913.9	1,272.9	1,562.3	1,763.9	1,893.0	2,198.5	2,650.8	3,178.0	3,694.3	3,820.7		
PTP (PTP 1-5)	10.5	64.7	71.8	88.0	98.3	105.4	141.7	145.4	145.5	235.6		
PTP (OH-12/13)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
PTP (Saticoy well field)	0.0	118.6	118.6	122.5	122.5	122.5	122.5	122.5	122.5	183.2		
Total PTP	924.4	1,456.2	1,752.7	1,974.3	2,113.8	2,426.4	2,915.0	3,445.8	3,962.2	4,239.5		
C-customers (surface water)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Saticoy Well Field (groundwater)	0.0	224.4	224.4	232.4	232.4	232.4	232.4	232.4	232.4	589.1		
O-H Pipeline (groundwater)	1,066.4	2,287.8	3,130.0	3,738.9	4,456.6	5,418.7	6,184.7	7,572.4	8,846.6	9,861.3		
Total Surface Water Delivery (PTP, PV, c-cust)	2,028.1	2,942.4	3,546.2	3,844.1	3,973.2	4,388.5	5,045.1	6,099.8	7,333.7	7,868.4		
Total Groundwater Delivery (PTP, OH, Sat)	1,076.9	2,576.9	3,426.2	4,059.2	4,787.3	5,756.5	6,558.8	7,950.1	9,224.4	10,686.0		
Total Delivery (surface water, groundwater)	3,105.0	5,519.3	6,972.4	7,903.3	8,760.5	10,145.0	11,603.9	14,050.0	16,558.2	18,554.5		

Cumulative deliveries by system



Cumulative deliveries by source/type



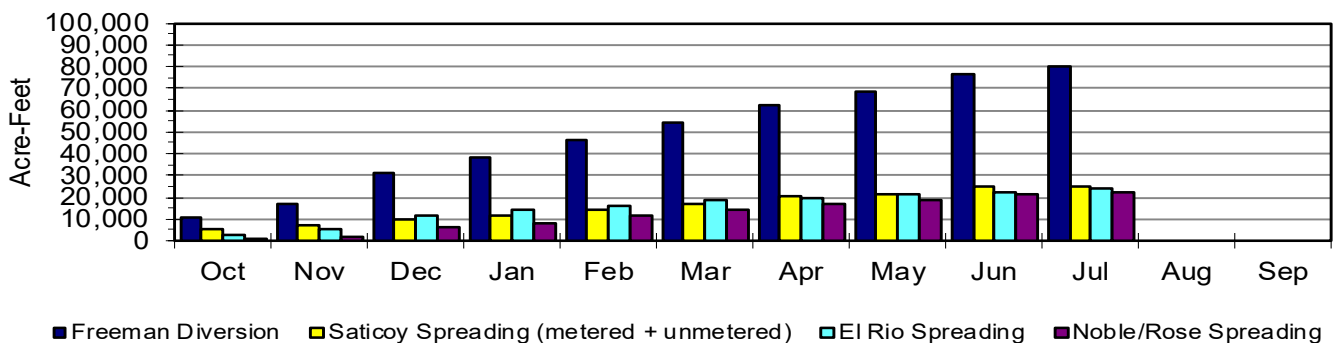
Monthly diversion and recharge totals by facility, 2023/24, in acre-feet

Month	Piru Spreading	Freeman Diversion	Saticoy Spreading (metered + unmetered)	El Rio Spreading	Noble/Rose Spreading	LBMWC Water Use
Oct	0	10,946	5,094	2,591	1,186	47
Nov	0	6,363	1,702	3,283	464	32
Dec	0	13,794	3,235	5,550	4,370	35
Jan	0	7,168	1,776	2,958	2,123	5
Feb	0	7,770	2,392	2,073	3,173	4
Mar	0	8,585	3,016	2,183	2,964	7
Apr	0	7,679	2,996	1,404	2,607	15
May	0	5,978	1,555	1,199	2,117	51
Jun	0	8,045	2,959	1,370	2,450	32
Jul	0	3,538	657	1,337	992	17
Aug						
Sep						

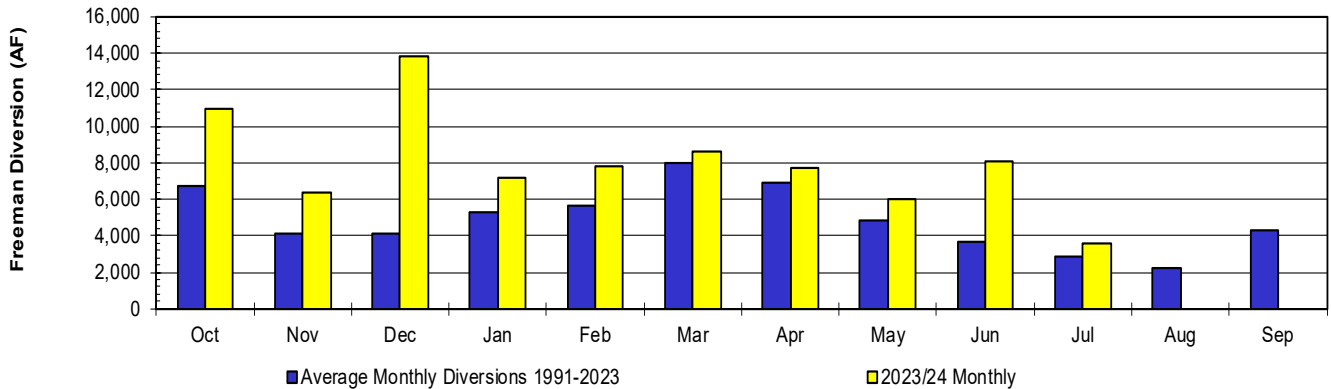
Cumulative diversion and recharge totals by facility, 2023/24, in acre-feet

Month	Piru Spreading	Freeman Diversion	Saticoy Spreading (metered + unmetered)	El Rio Spreading	Noble/Rose Spreading	LBMWC Water Use
Oct	0	10,946	5,094	2,591	1,186	47
Nov	0	17,309	6,796	5,875	1,650	78
Dec	0	31,103	10,031	11,425	6,020	113
Jan	0	38,271	11,807	14,383	8,143	118
Feb	0	46,041	14,199	16,455	11,316	122
Mar	0	54,626	17,215	18,638	14,279	128
Apr	0	62,305	20,212	20,042	16,886	144
May	0	68,283	21,766	21,241	19,004	195
Jun	0	76,327	24,726	22,611	21,454	227
Jul	0	79,865	25,383	23,948	22,445	244
Aug						
Sep						

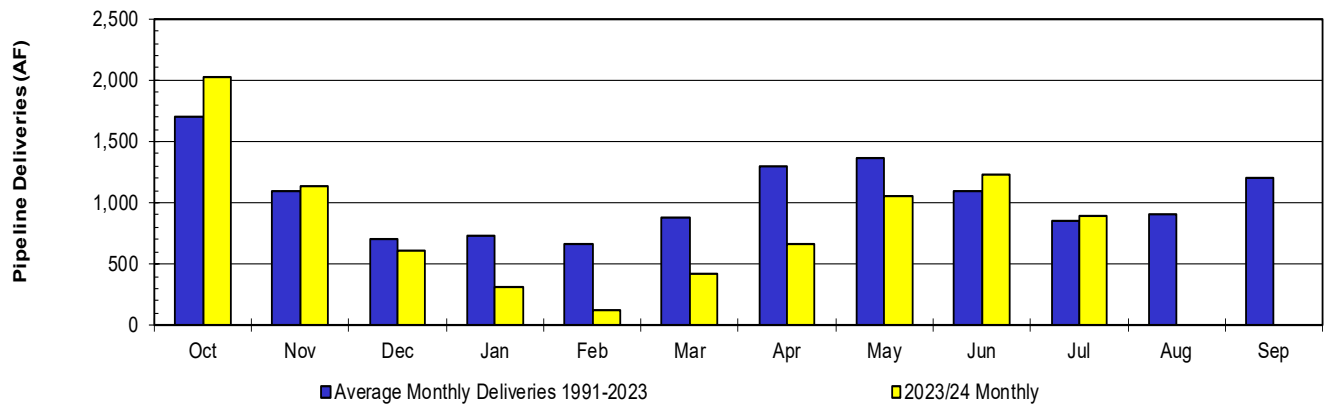
Cumulative diversion at Freeman, and distribution to recharge facilities



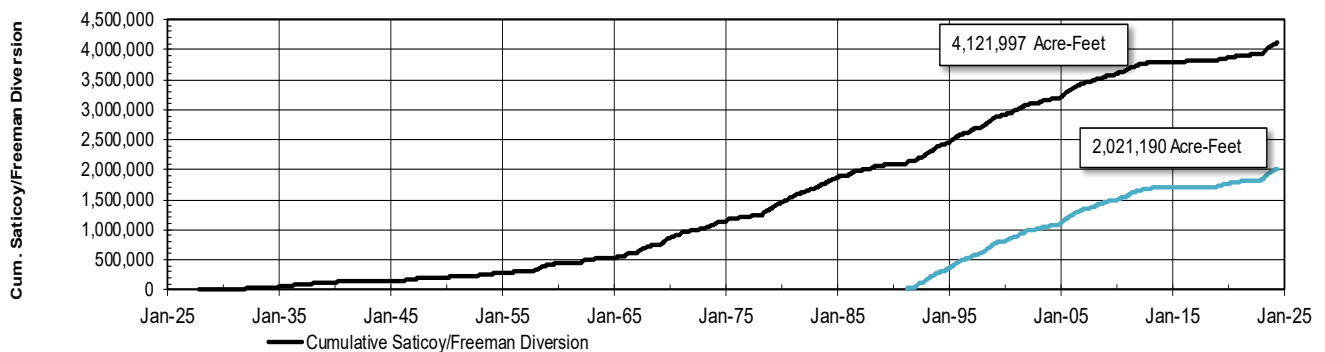
Monthly 2023/24 diversion at Freeman,
compared to average monthly diversions (1991-2023)



Monthly 2023/24 pipeline deliveries (surface water deliveries),
compared to average monthly pipeline deliveries (1991-2023)

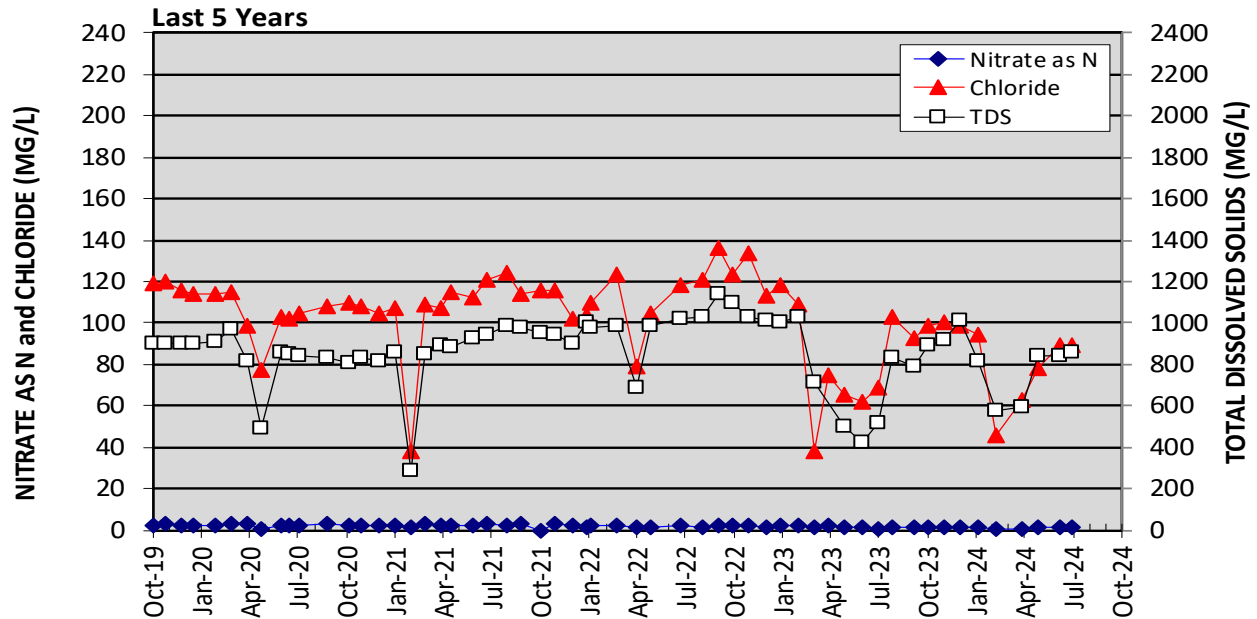


Cumulative diversion at Saticoy and Freeman Diversion, in acre-feet

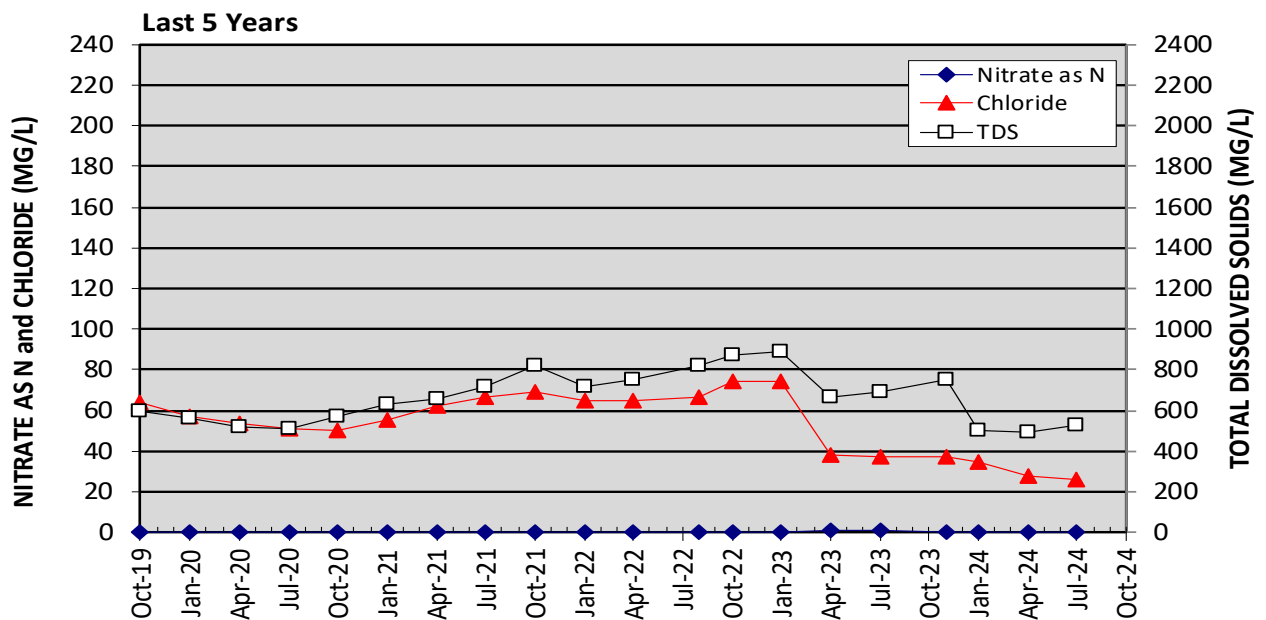


Water Quality

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

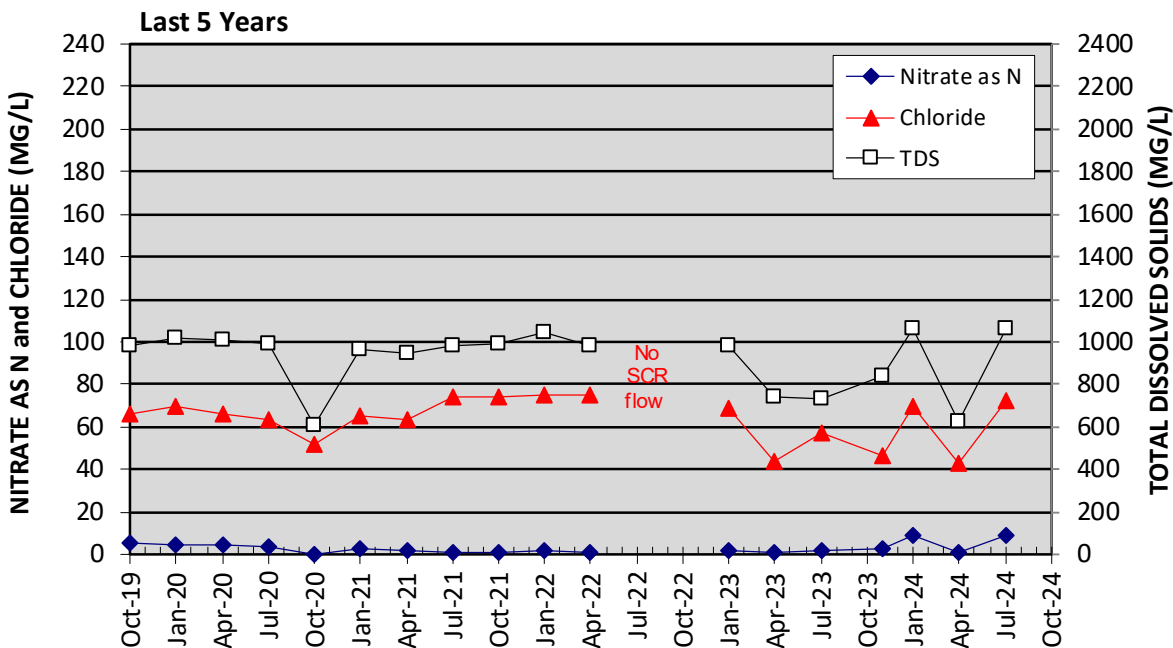


Piru Creek water quality below Santa Felicia Dam

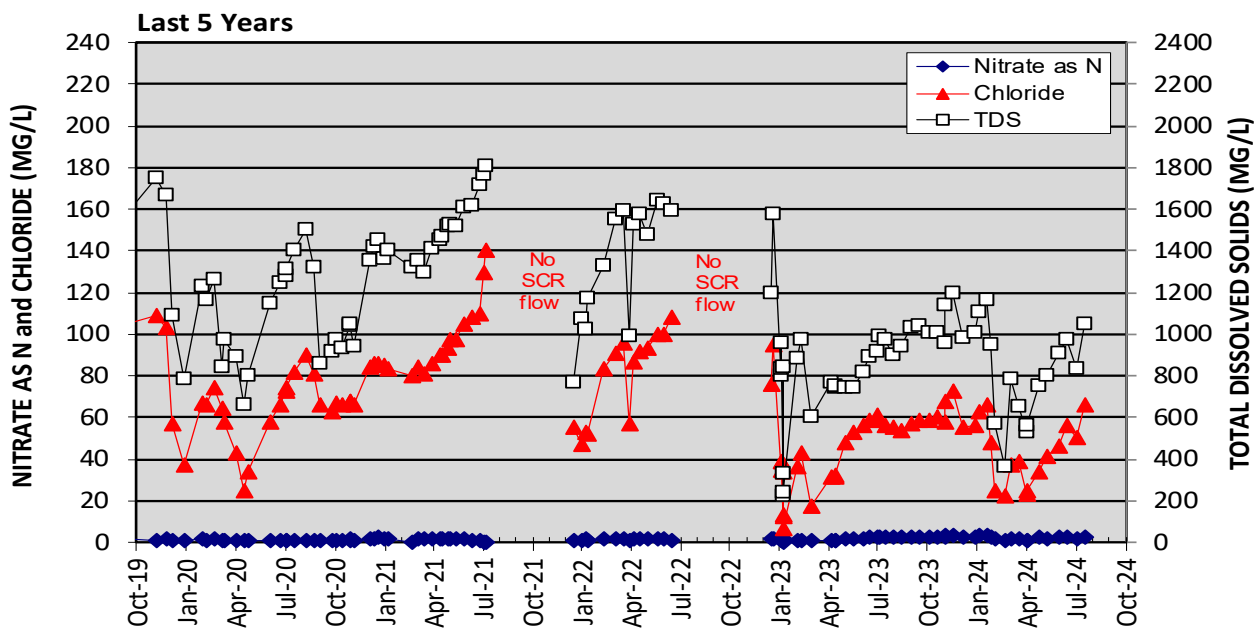


Water Quality

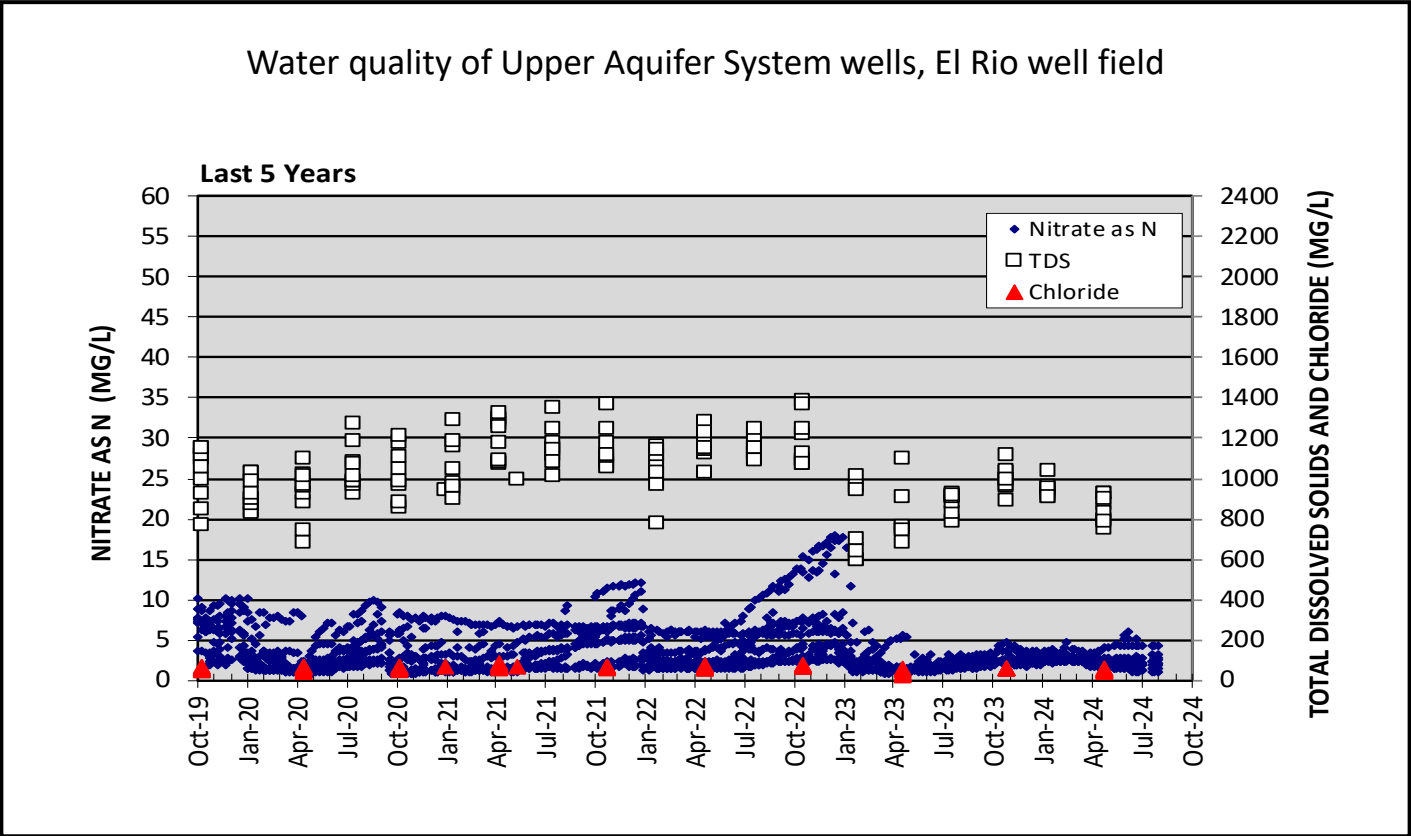
Santa Clara River water quality near Fillmore Fish Hatchery

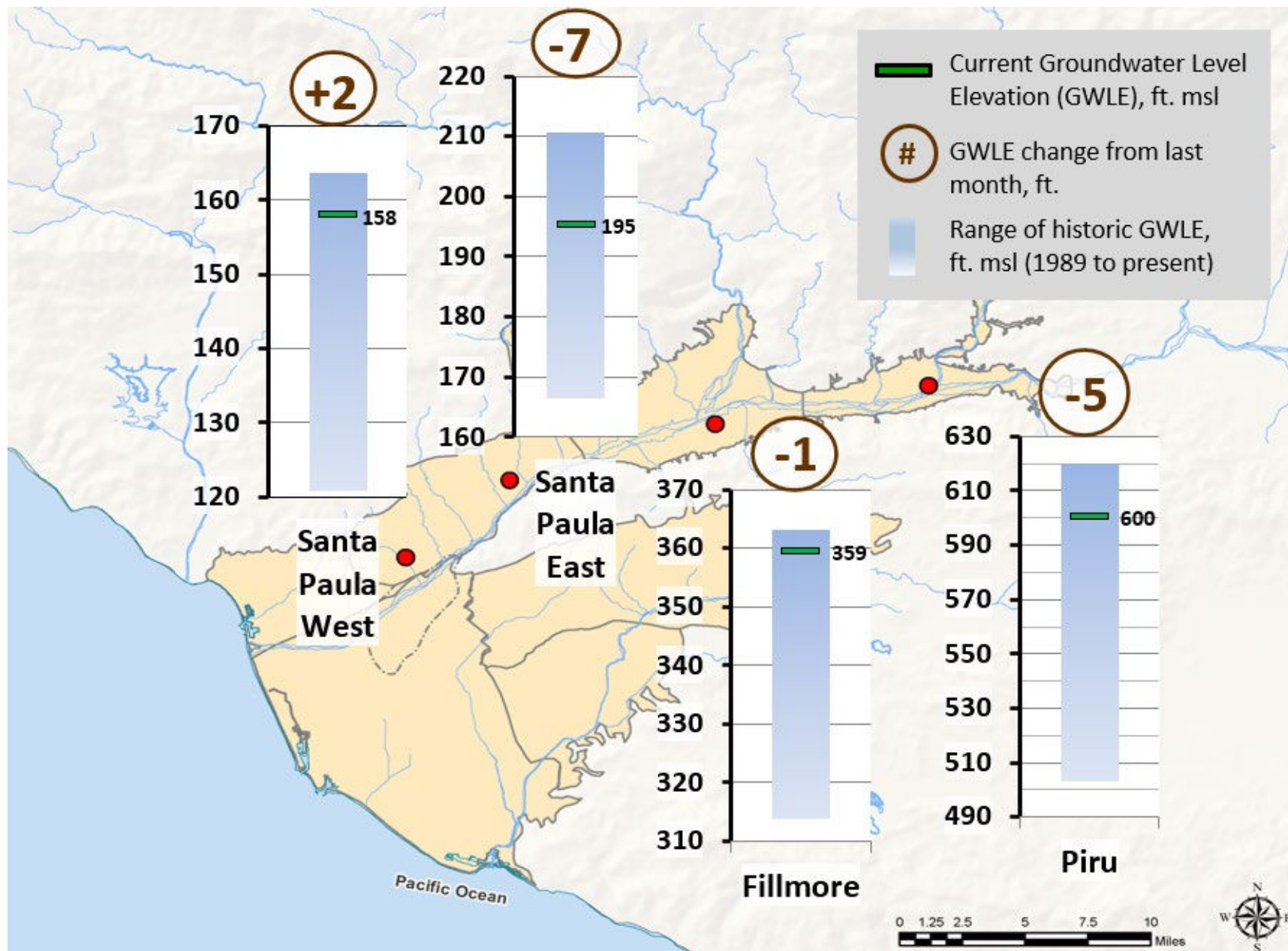


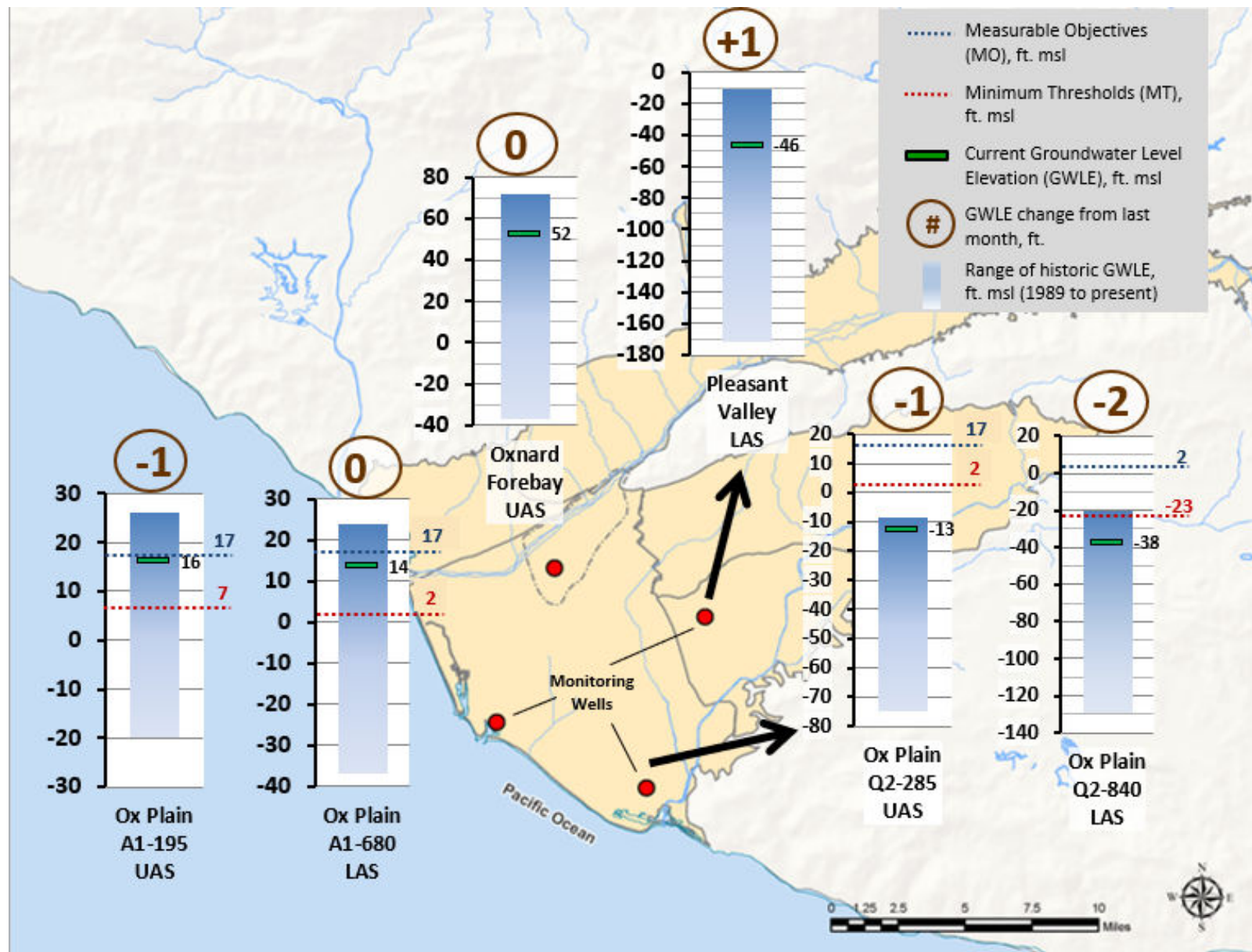
Santa Clara River water quality at Freeman Diversion



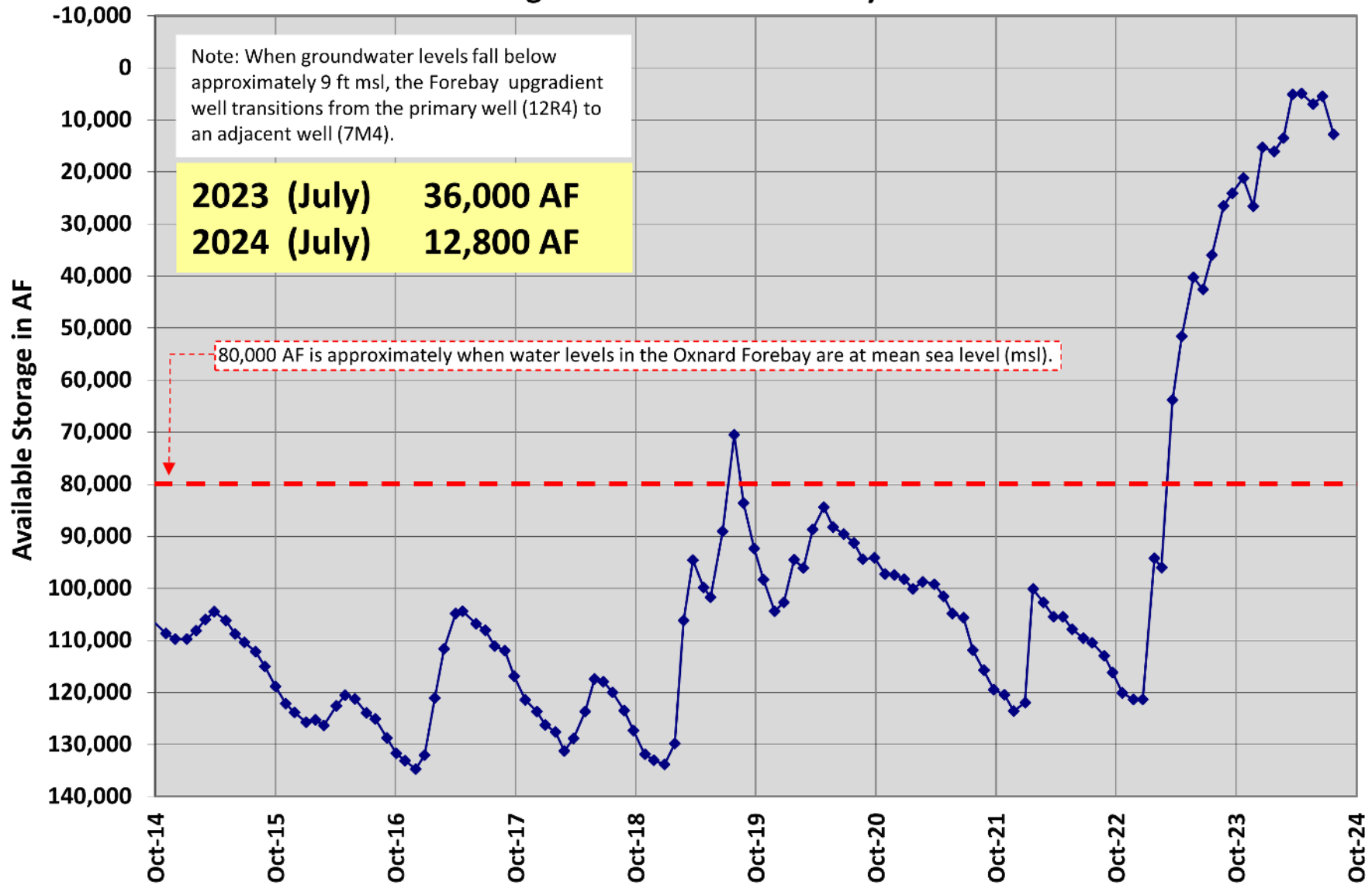
Water Quality

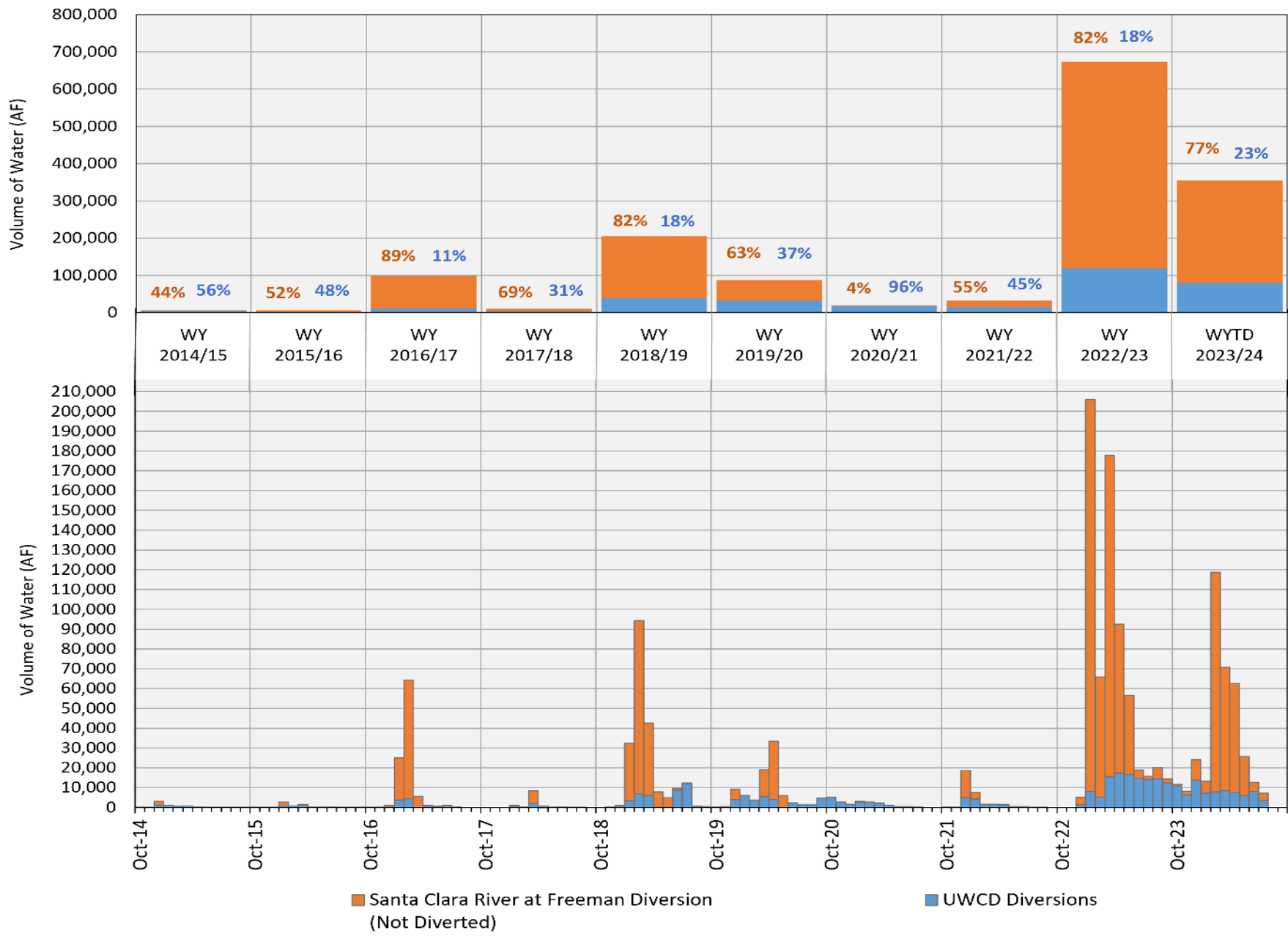






Available Storage in the Oxnard Forebay - Last 10 Years





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