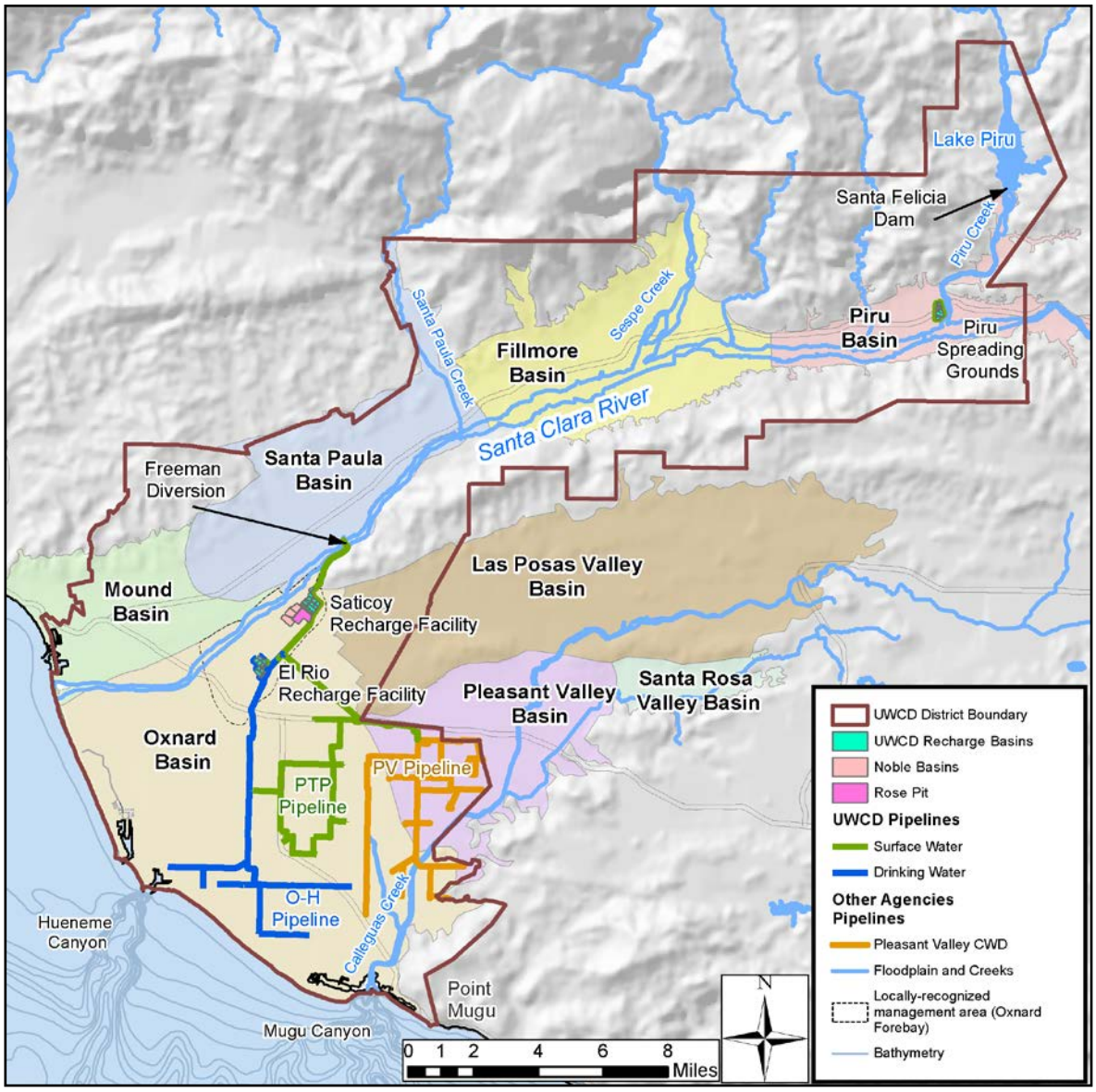
United Water CONSERVATION DISTRICT

October 2022 Hydrologic Conditions Report
2022/23 Water Year

November 2, 2022



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

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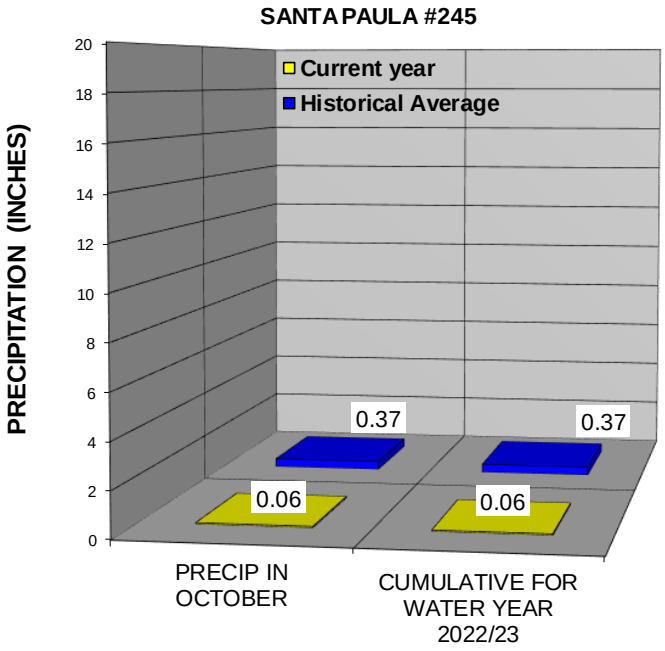
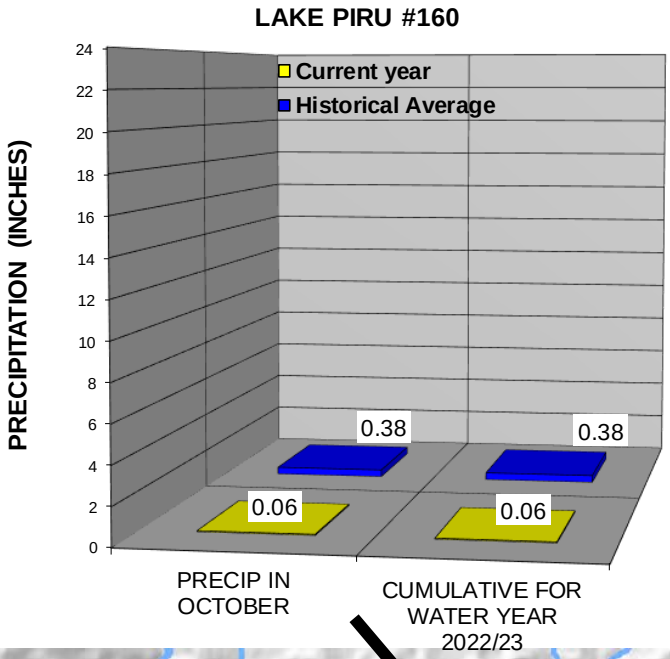
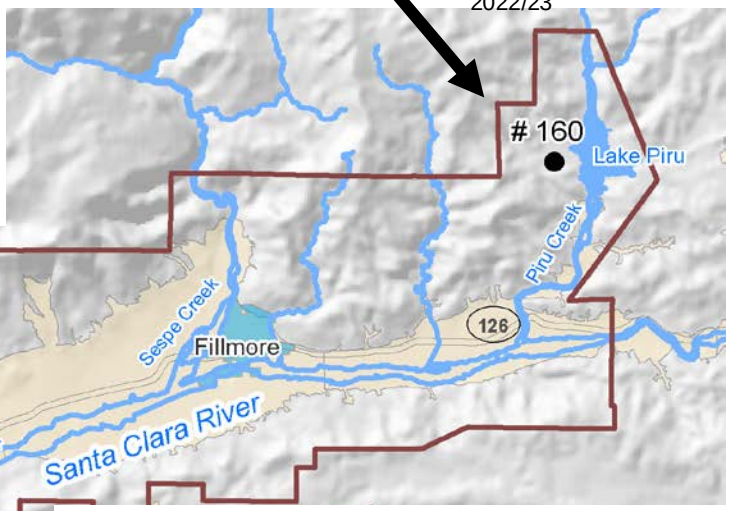
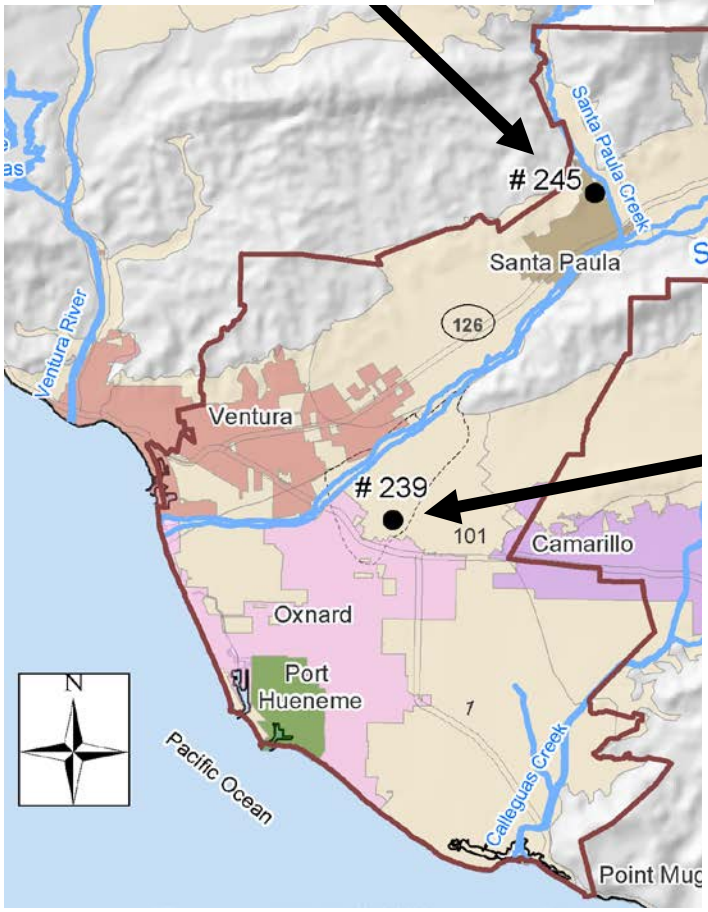
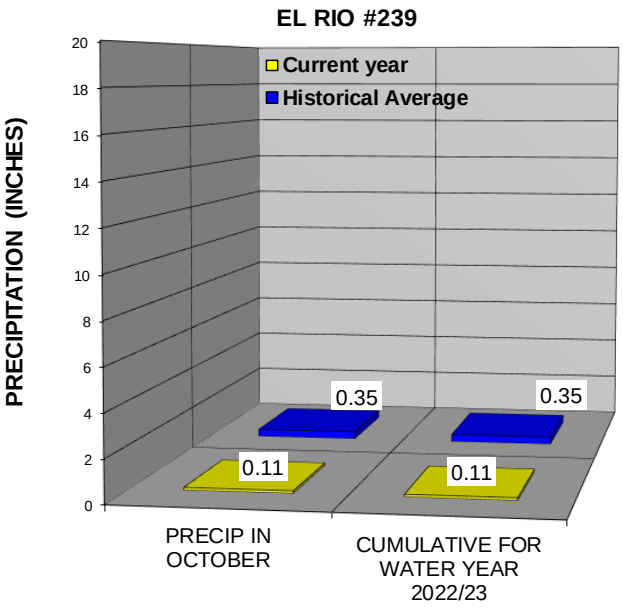
Precipitation



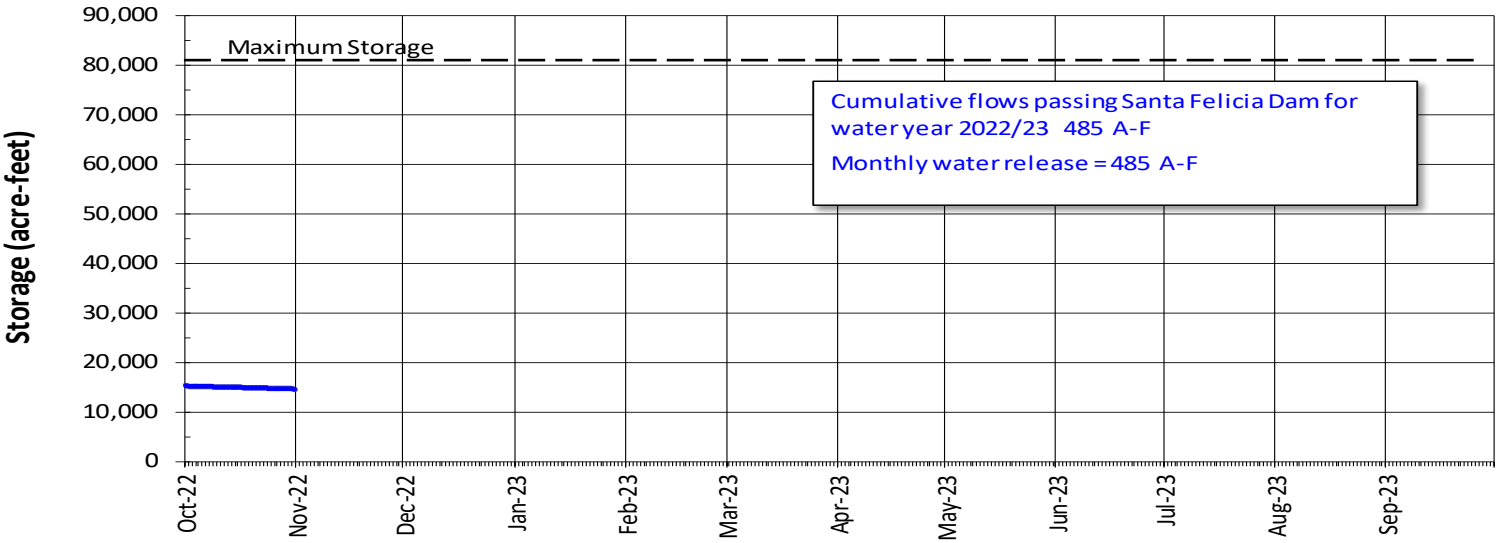






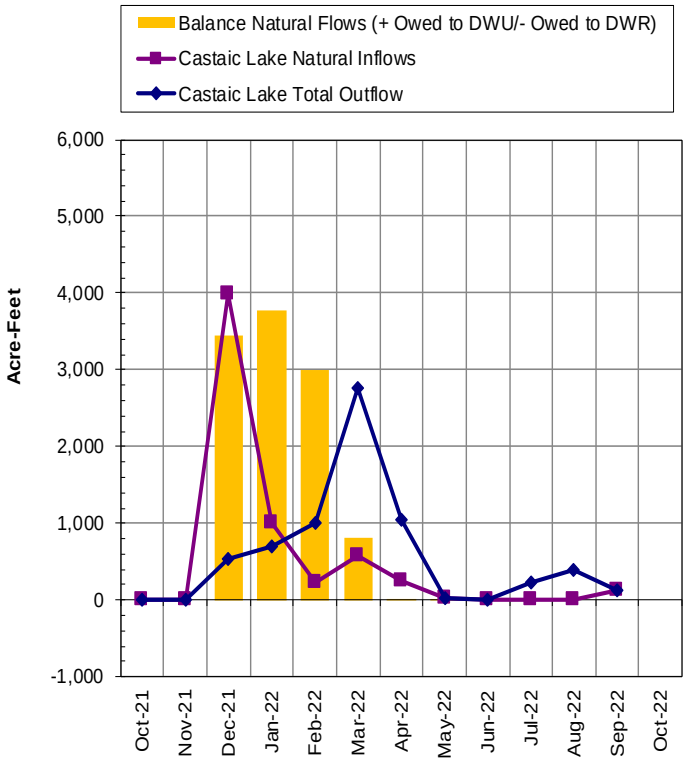


District-wide percent of normal precipitation = NA

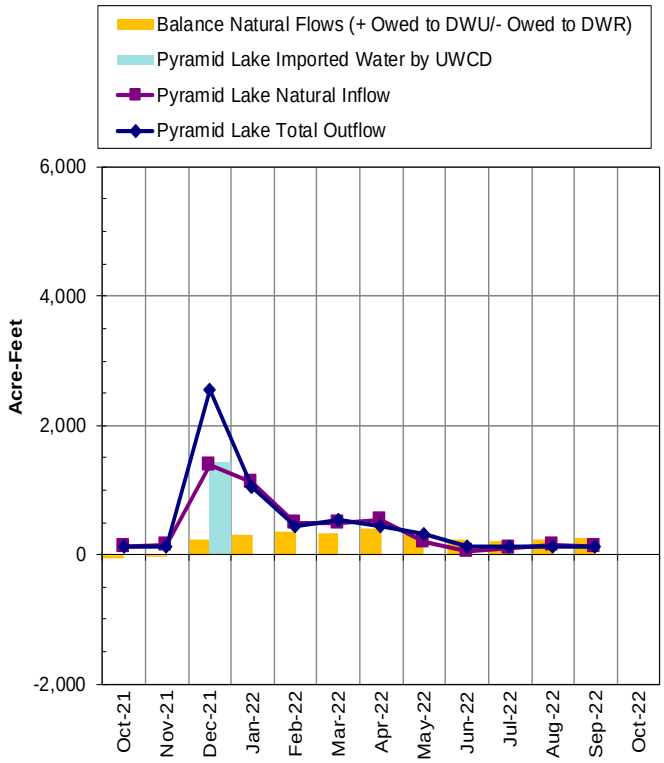


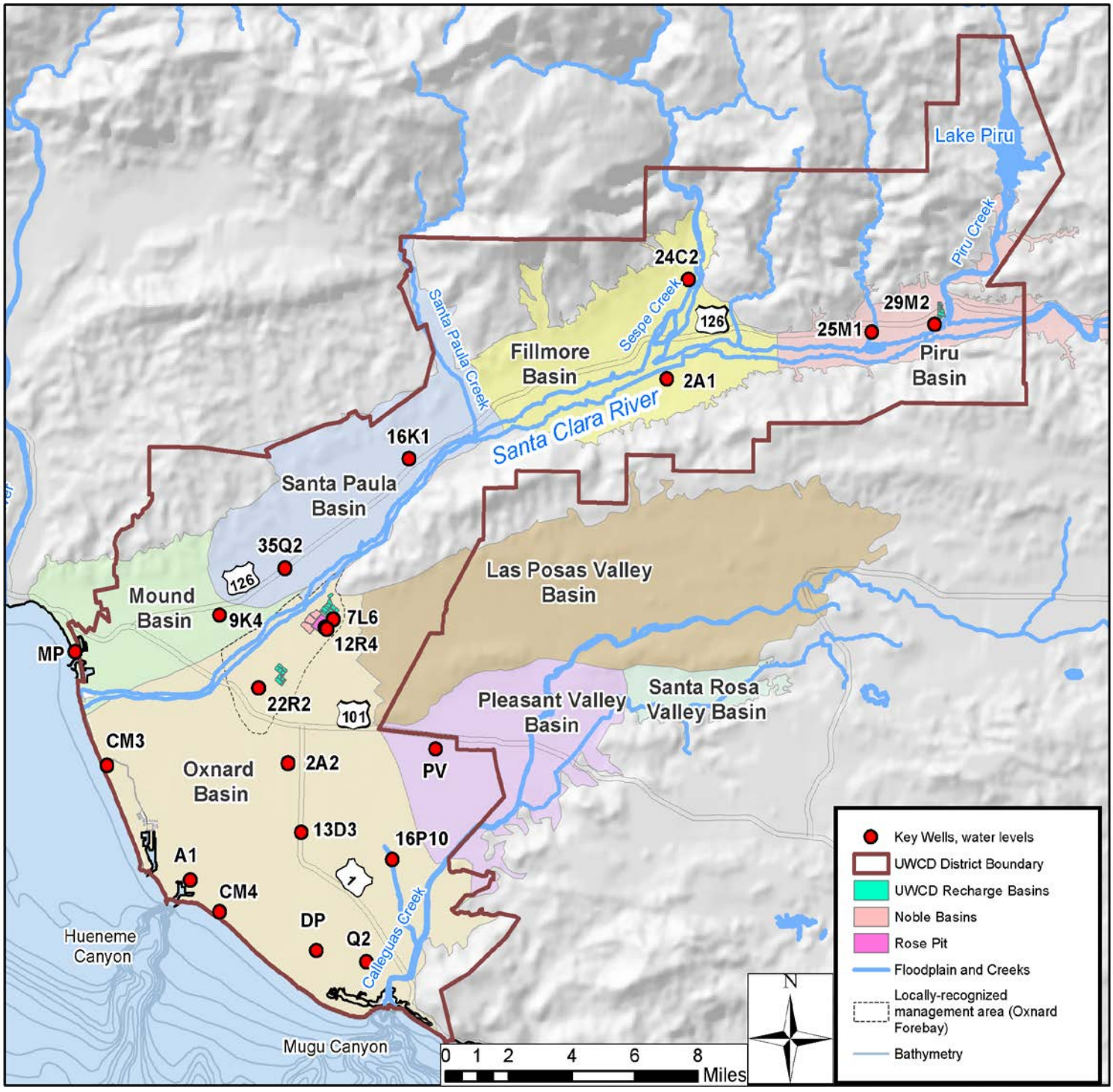
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Hydro Plant Outflow (Acre-Feet)	0											
Cumulative Hydro Plant Outflow (A-F)	0											

Castaic Lake releases to downstream water users (DWU)



Pyramid Lake releases to UWCD

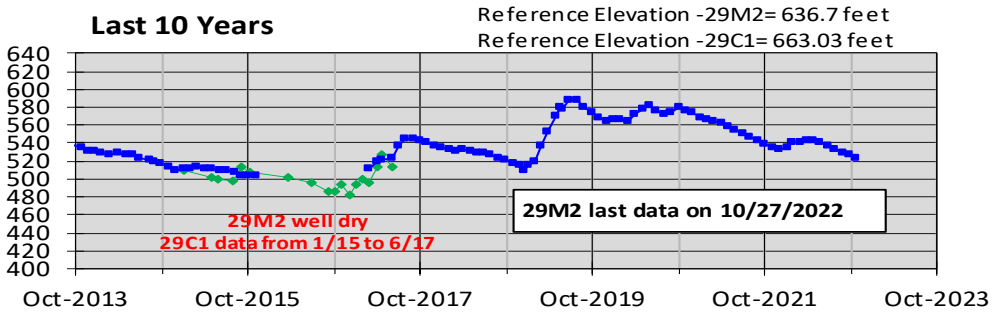


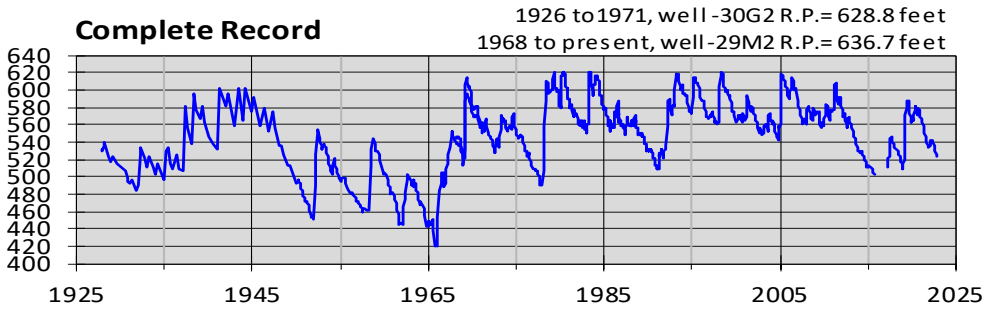


Locations of Key Wells, Monthly Groundwater Elevation Monitoring

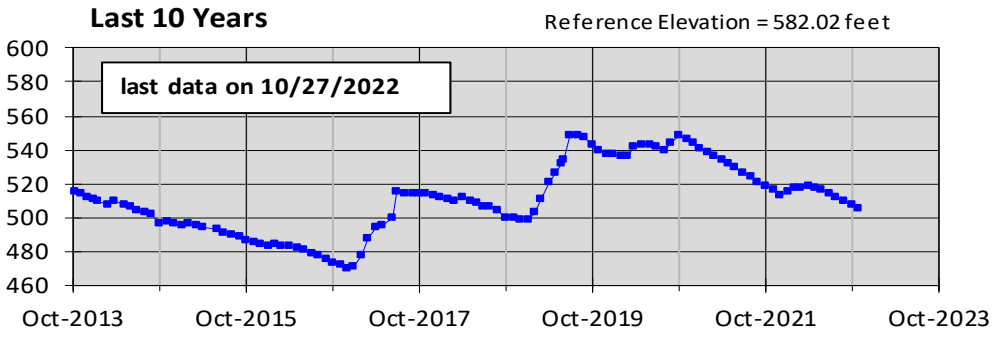
Groundwater Elevation Records – Piru Basin

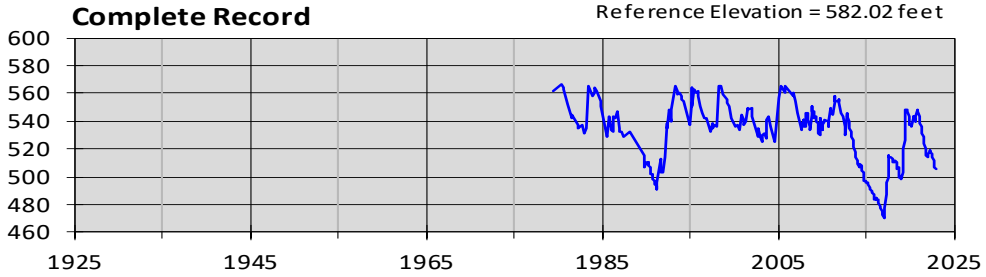
Well 04N18W29M02S (29M2)





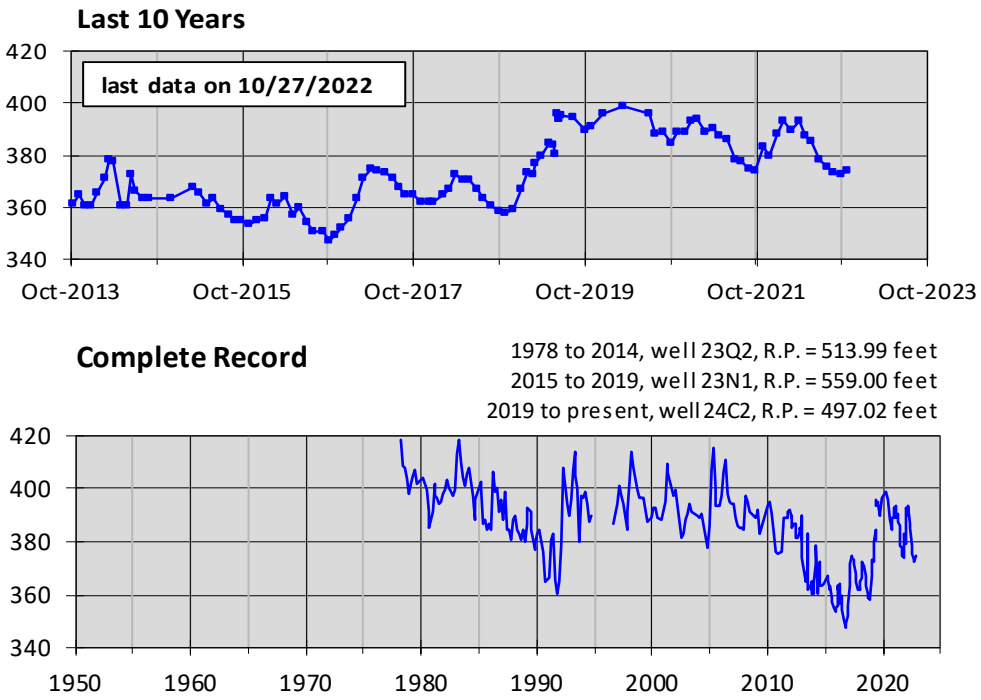
Well 04N19W25M01S (25M1)



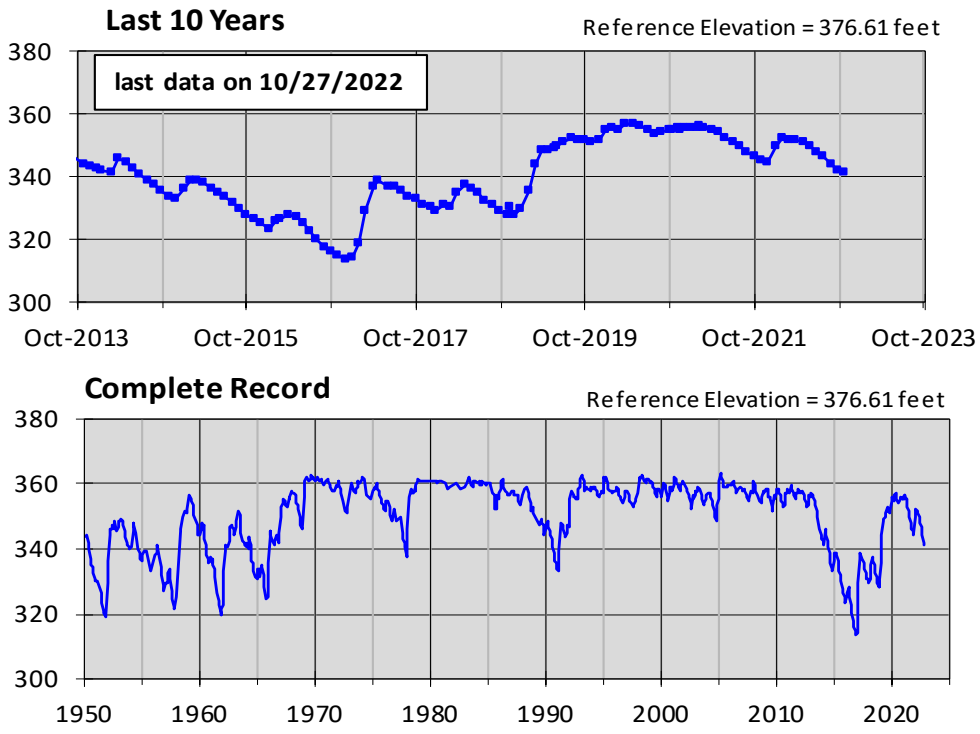


Groundwater Elevation Records – Fillmore Basin

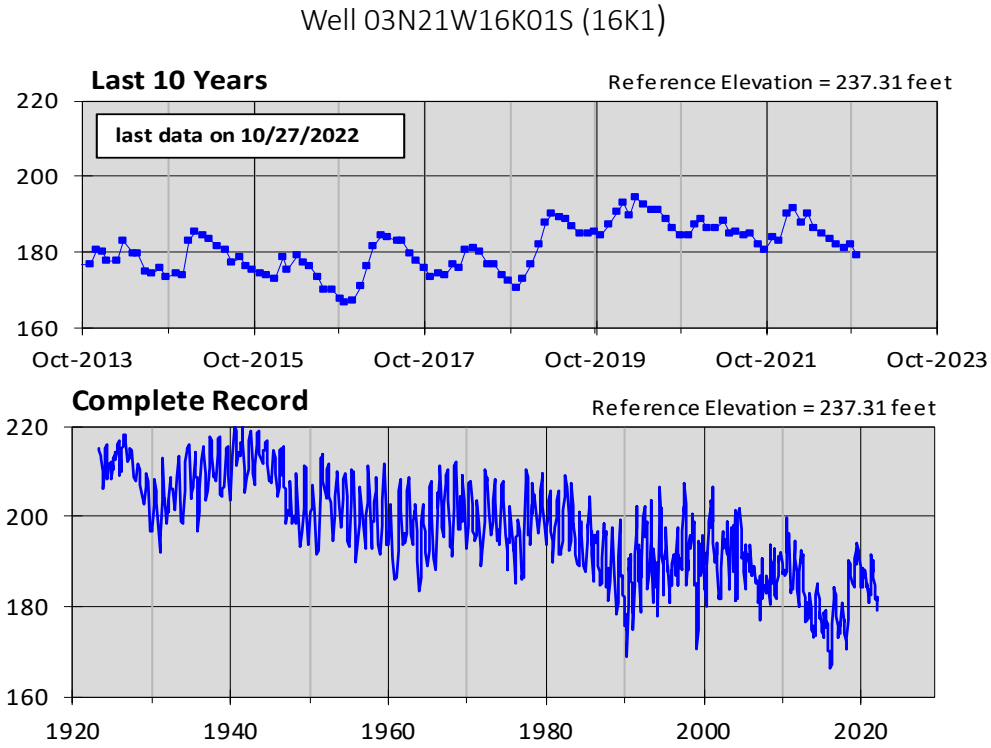
Well 04N20W24C02S (24C2)



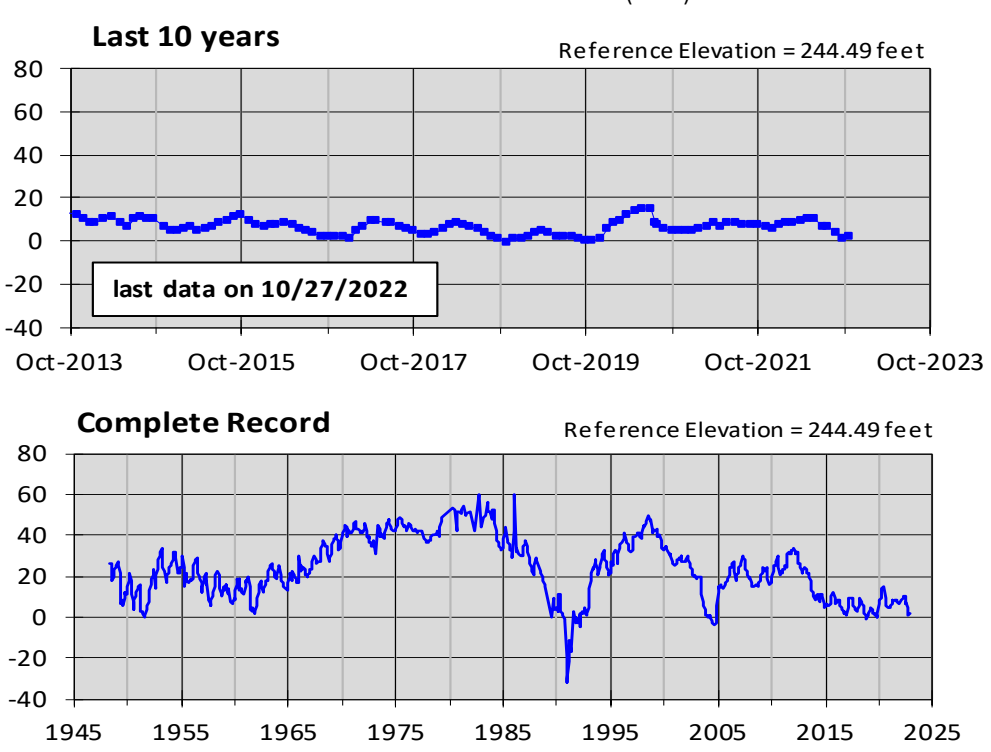
Well 03N20W02A01S (2A1)



Groundwater Elevation Records – Santa Paula Basin

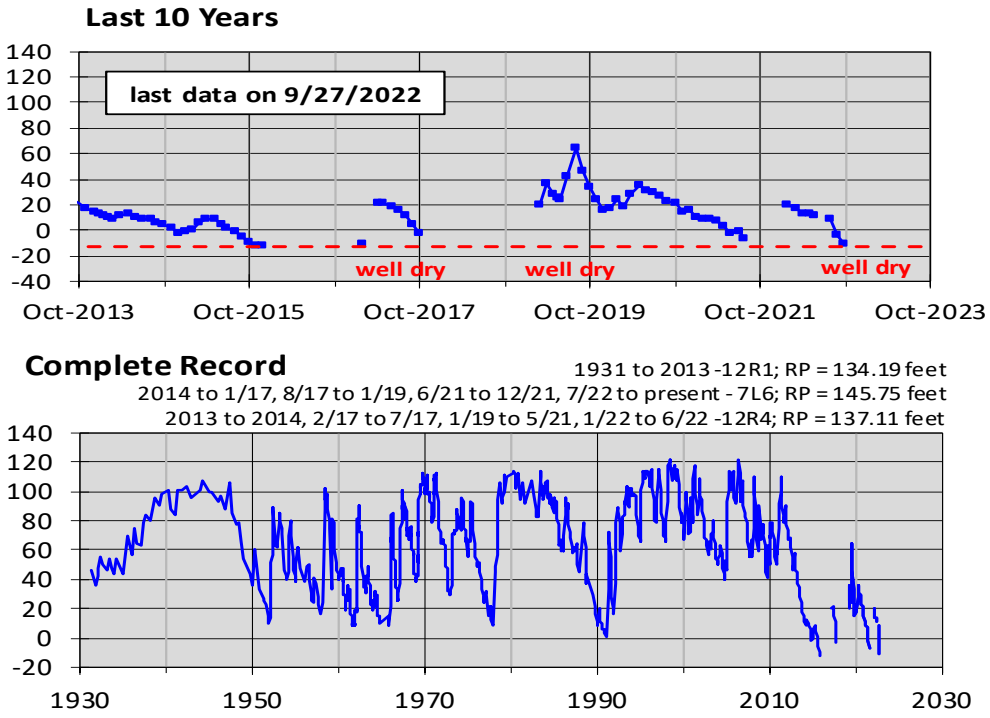


Groundwater Elevation Records – Mound Basin

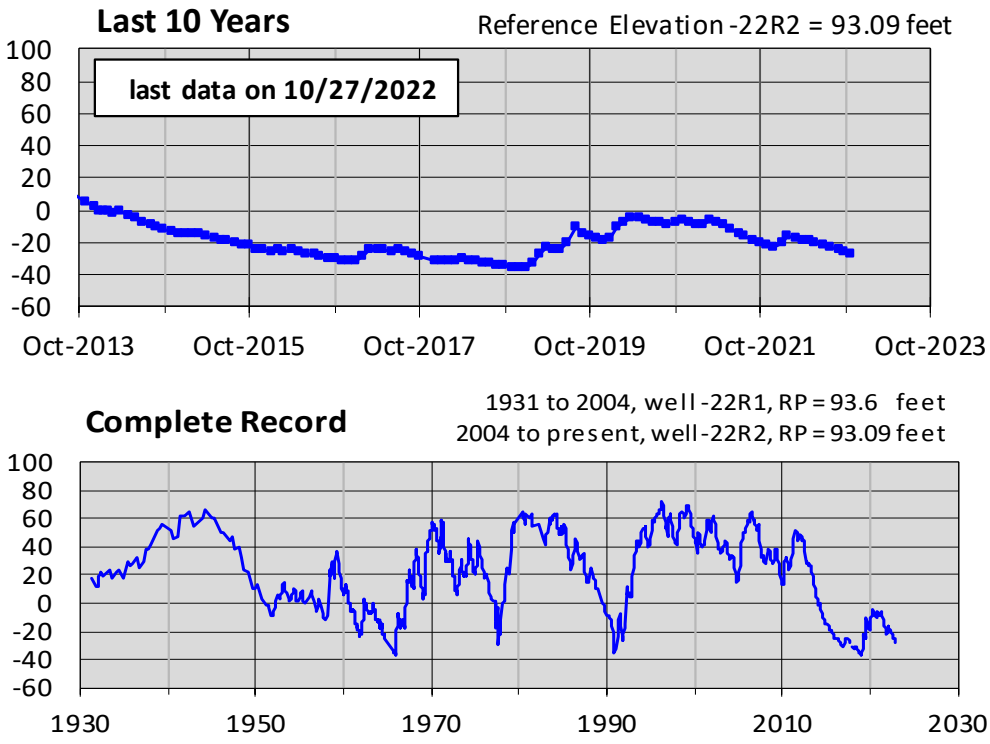


Groundwater Elevation Records – Oxnard Basin, Forebay

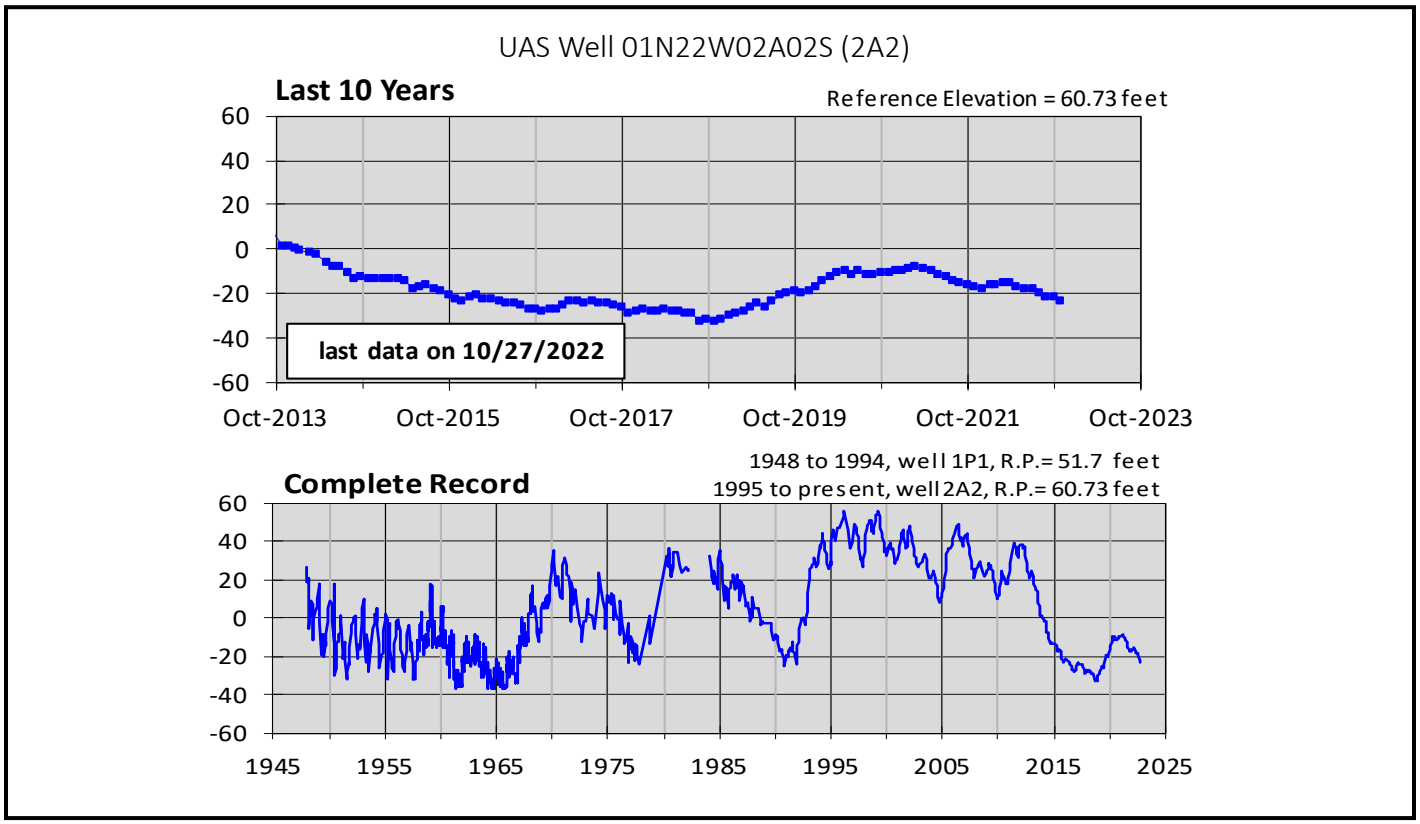
Wells 02N22W12R04S (12R4) and 02N21W07L06S (7L6)

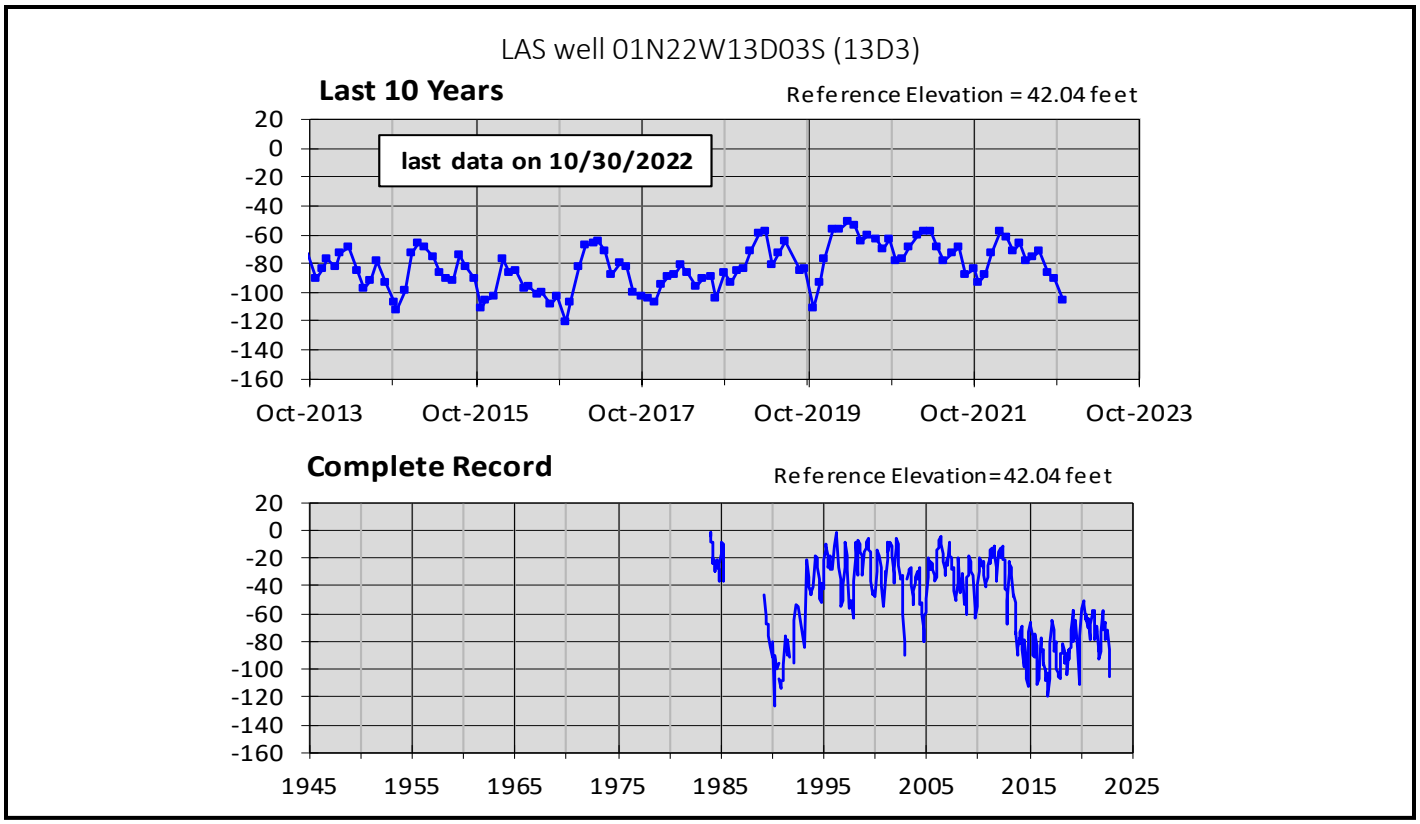


Well 02N22W22R02S (22R2)

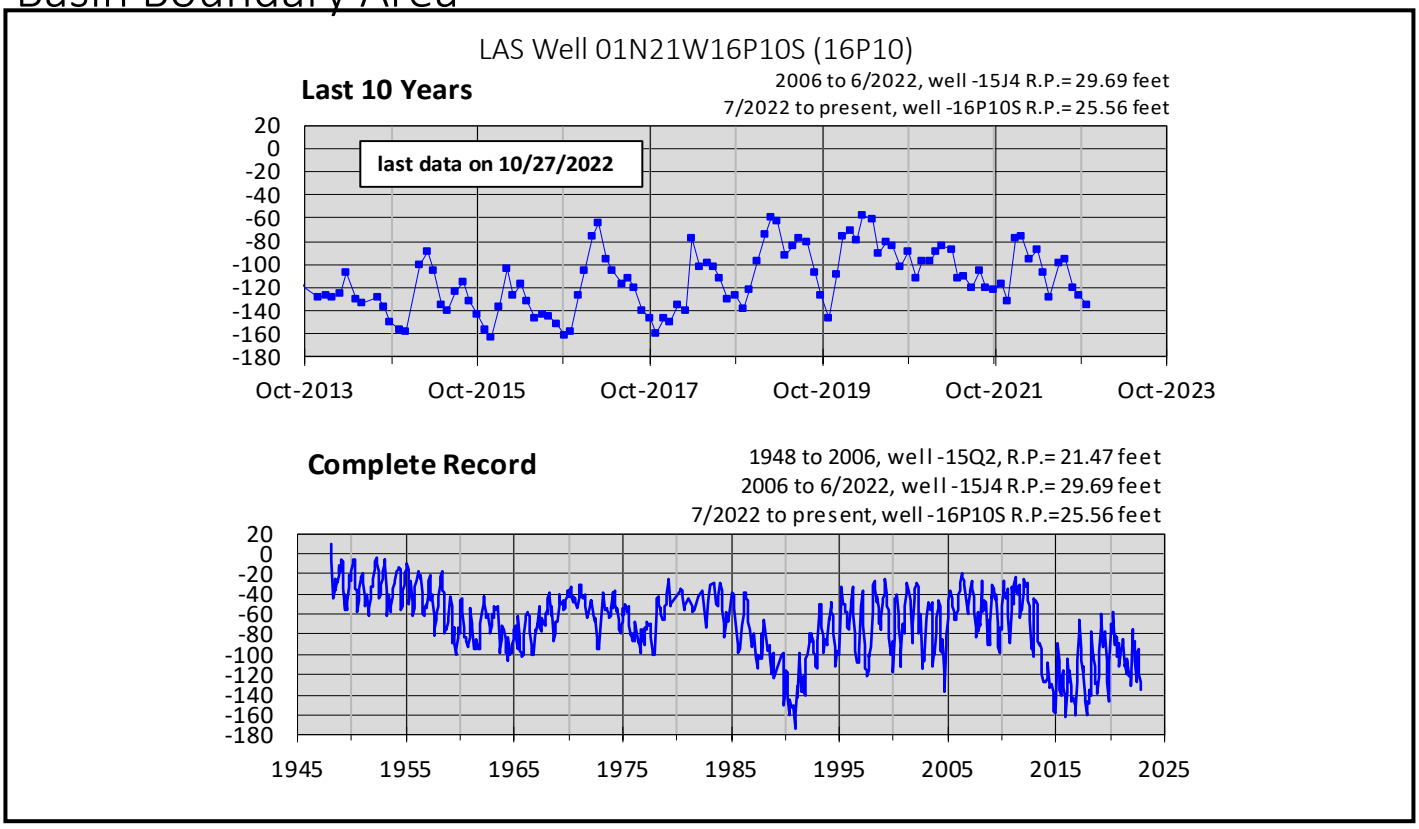


Groundwater Elevation Records – Oxnard Basin

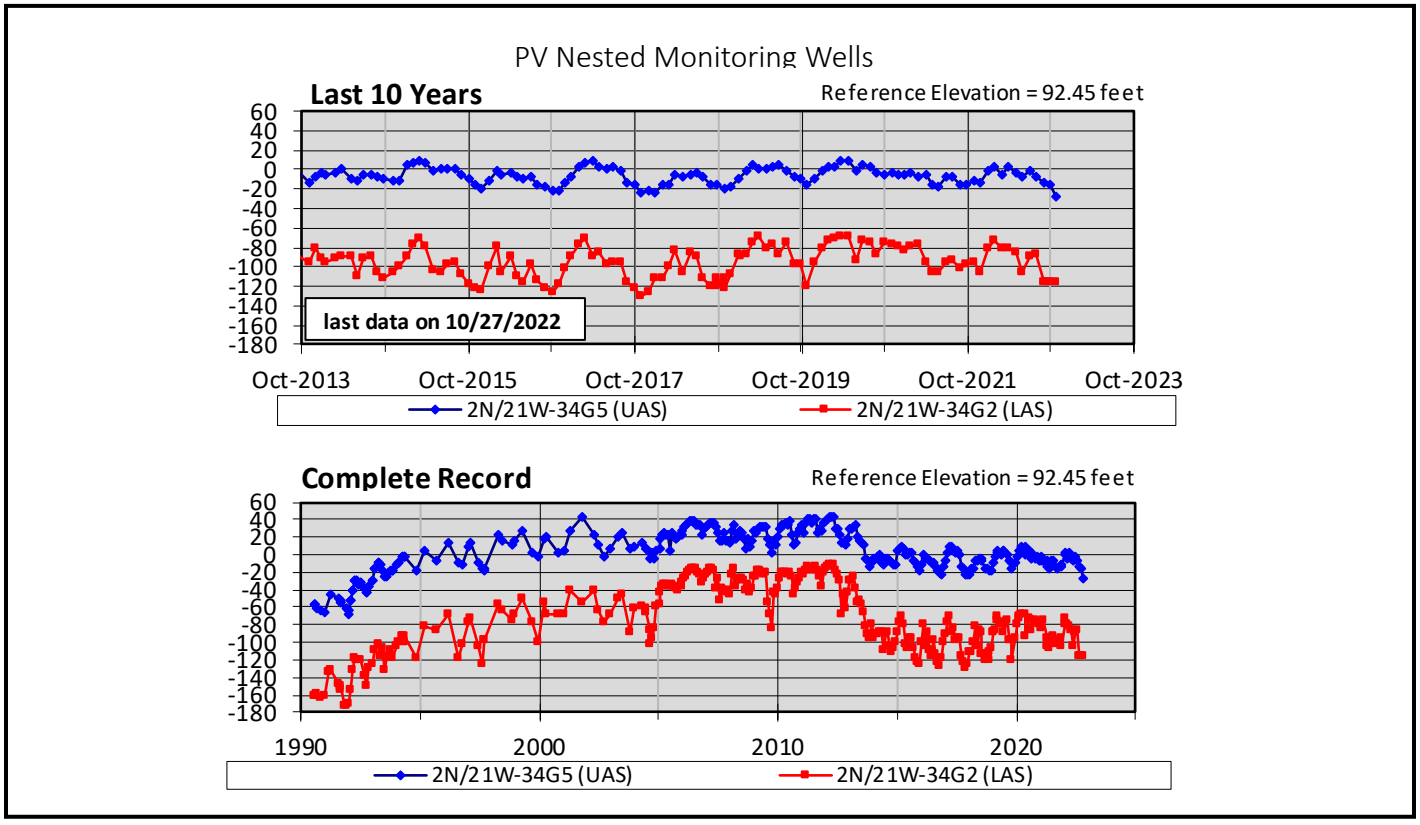




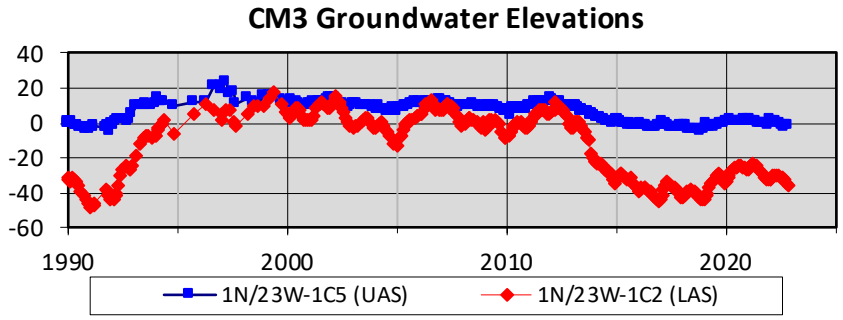
Groundwater Elevation Records – eastern Oxnard/Pleasant Valley Basin Boundary Area

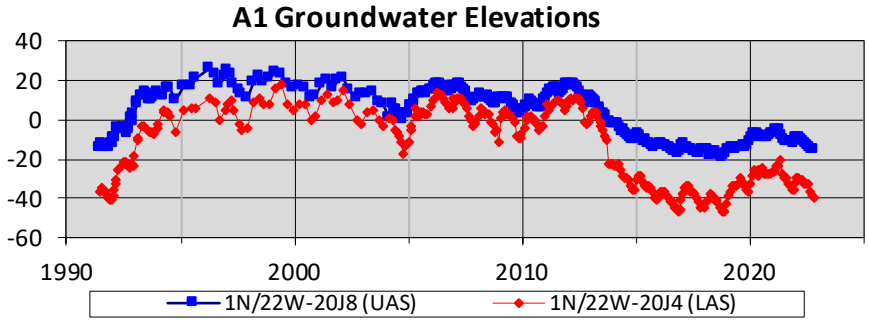


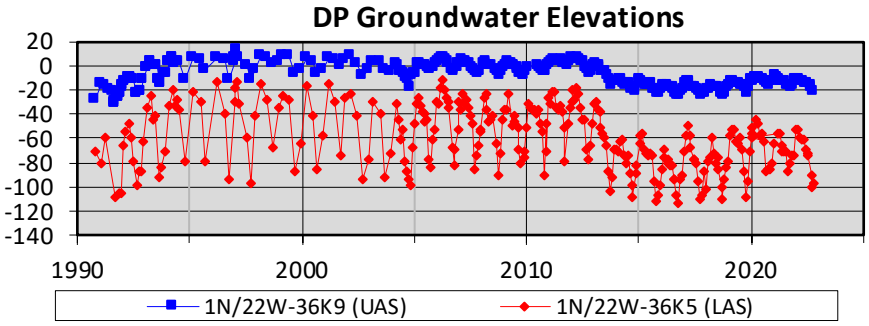
Groundwater Elevation Records – Pleasant Valley Basin

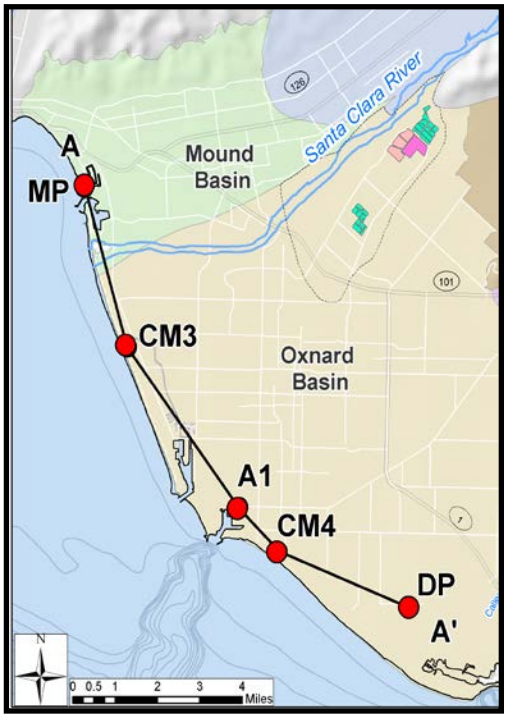


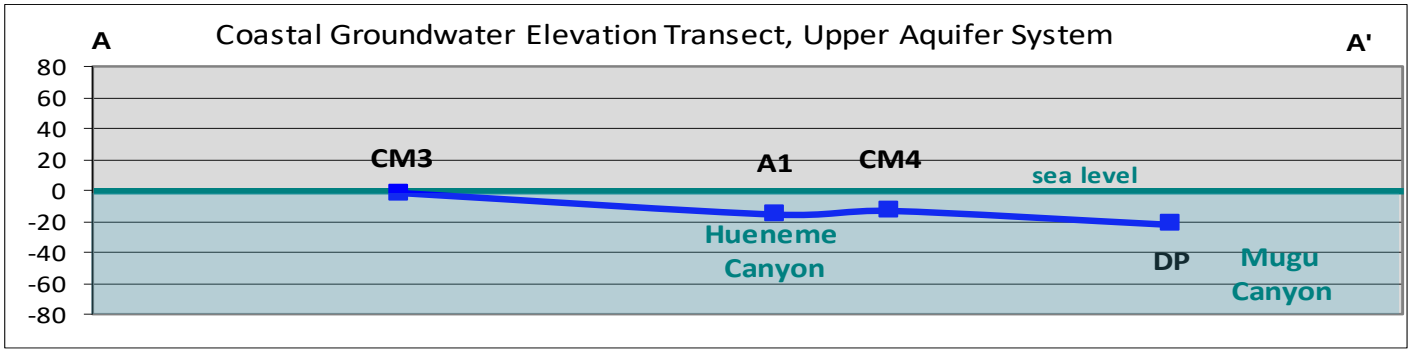
Groundwater Elevation Records – Coastal Nested Monitoring Wells

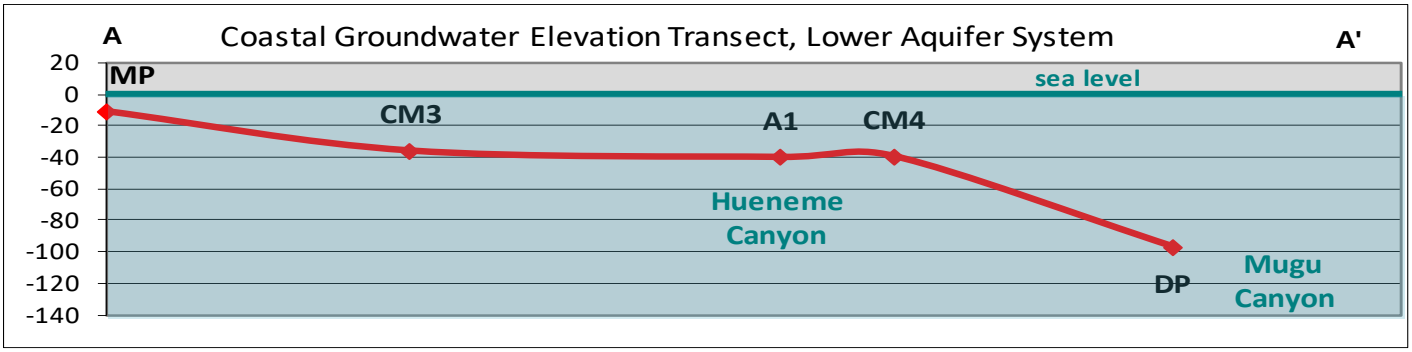












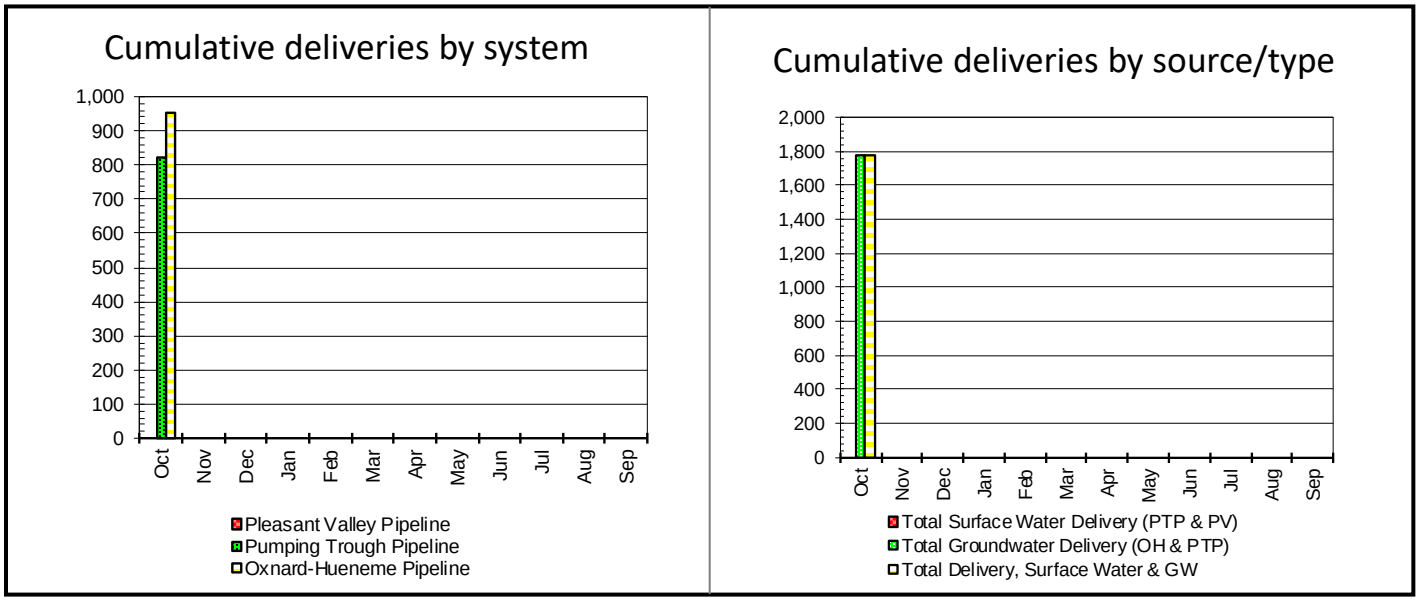
Monthly Water Deliveries, acre-feet (Water Year 2022/23)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
PV Pipeline (surface water)	0.0											
PV Pipeline (saticoy well field)	0.0											
Total to Pleasant Valley Pipeline	0.0											
Saticoy Well Field	0.0											
PTP (surface water)	0.0											
PTP (groundwater) *	823.4											
PTP (Saticoy well field)	0.0											
Total PTP	823.4											
O-H Pipeline (groundwater)	952.3											
Total Surface Water Delivery (PTP & PV)	0.0											
Total Groundwater Delivery (OH & PTP)	1,775.7											
Total Delivery, Surface Water & GW	1,775.7											

*Includes OH-12/13: 116.5 AF in Oct.

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											
PV Pipeline (saticoy well field)	0.0											
Total to Pleasant Valley Pipeline	0.0											
Saticoy Well Field	0.0											
PTP (surface water)	0.0											
PTP (groundwater) *	823.4											
PTP (Saticoy well field)	0.0											
Total PTP	823.4											
O-H Pipeline (groundwater)	952.3											
Total Surface Water Delivery (PTP & PV)	0.0											
Total Groundwater Delivery (OH & PTP)	1,775.7											
Total Delivery, Surface Water & GW	1,775.7											

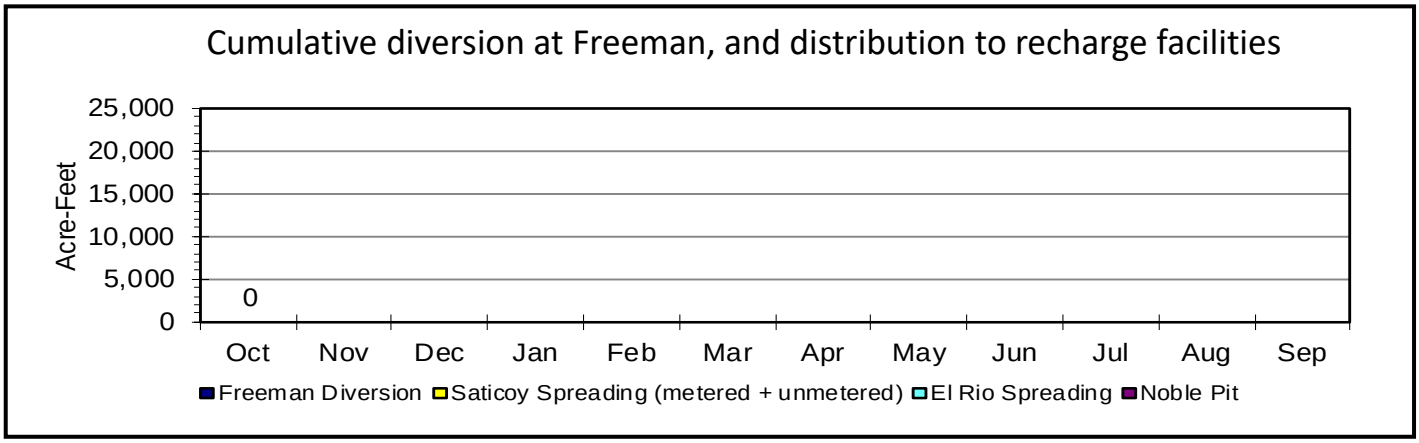


Monthly diversion and recharge totals by facility, 2022/23, in acre-feet

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						
Dec						
Jan						
Feb						
Mar						
Apr						
May						
Jun						
Jul						
Aug						
Sep						

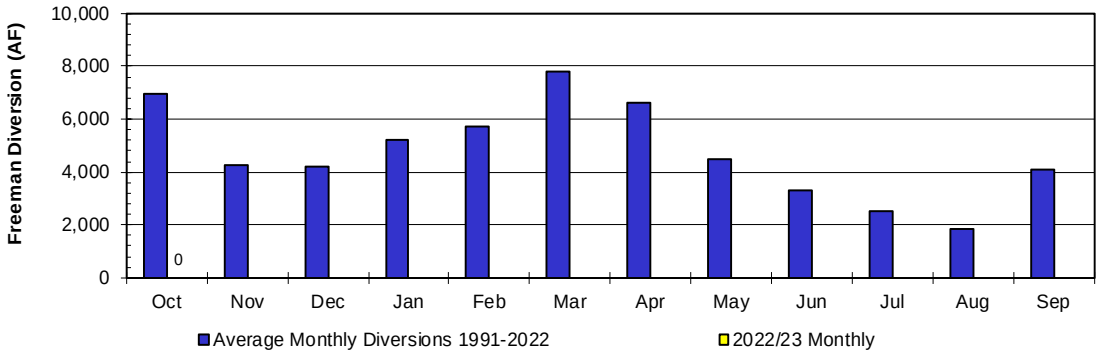
Cumulative diversion and recharge totals by facility, 2022/23, in acre-feet

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						
Dec						
Jan						
Feb						
Mar						
Apr						
May						
Jun						
Jul						
Aug						
Sep						

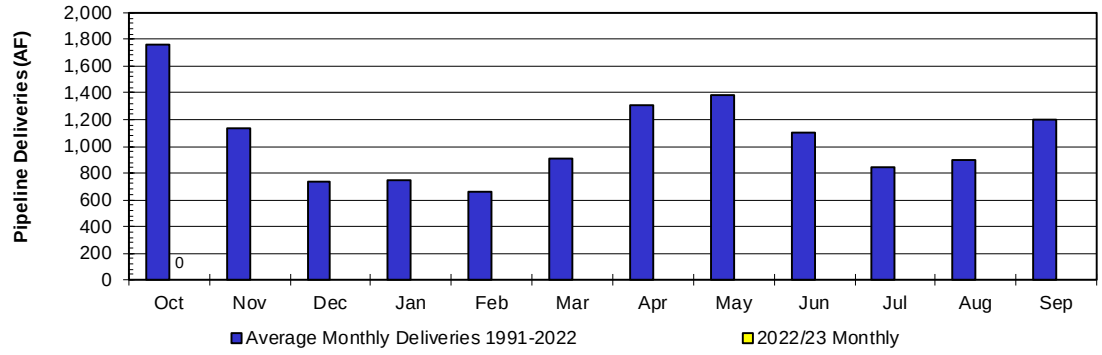


Cumulative diversions to Piru Spreading Grounds, 2022/23 = 0 AF

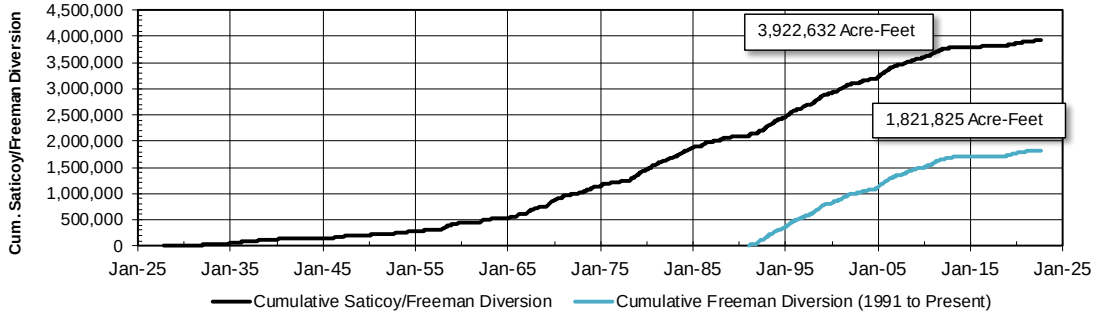
Monthly 2022/23 diversion at Freeman, compared to average monthly diversions (1991-2021)



Monthly 2022/23 pipeline deliveries (surface water deliveries), compared to average monthly pipeline deliveries (1991-2021)

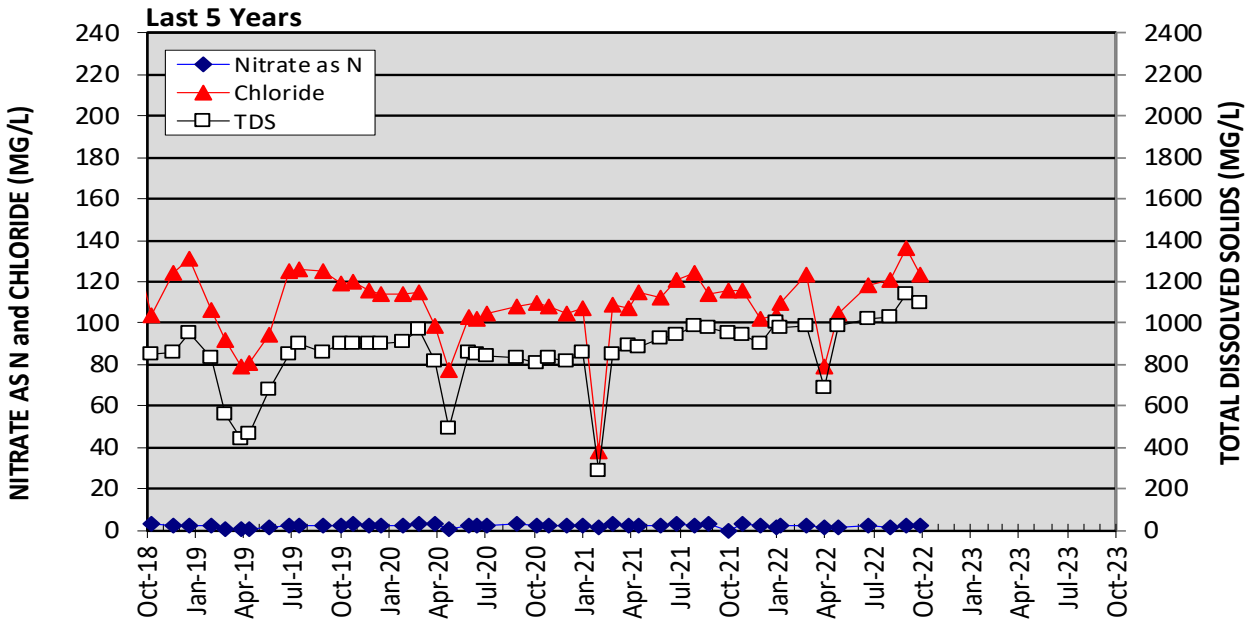


Cumulative diversion at Saticoy and Freeman Diversion, in acre-feet

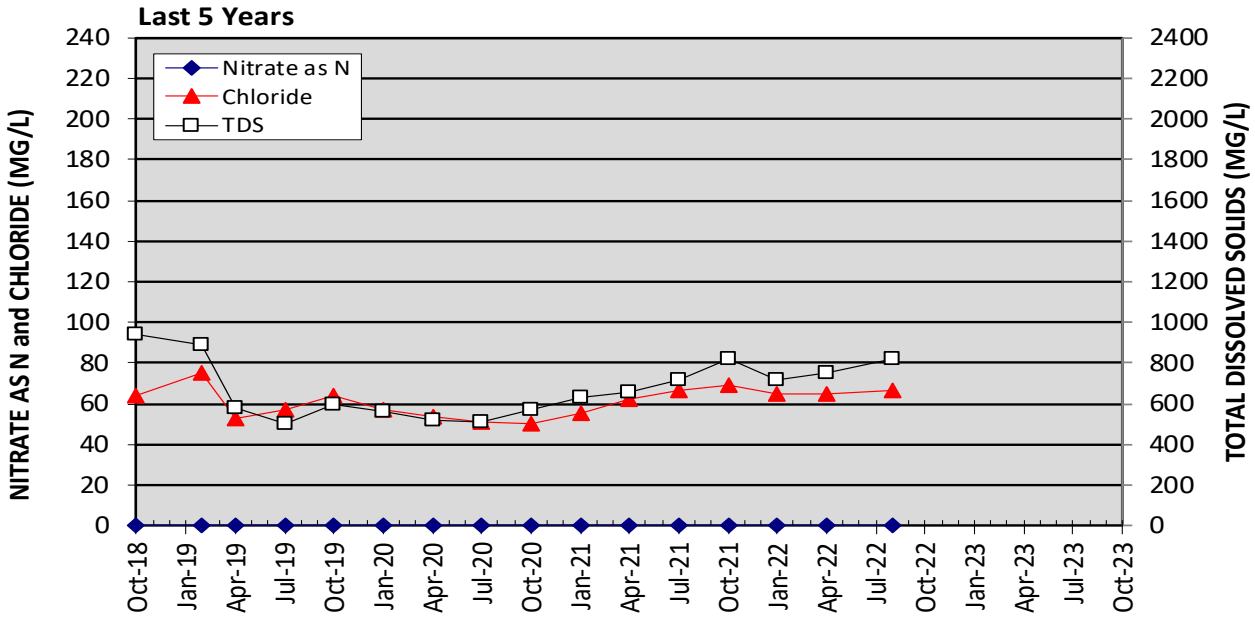


Water Quality

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

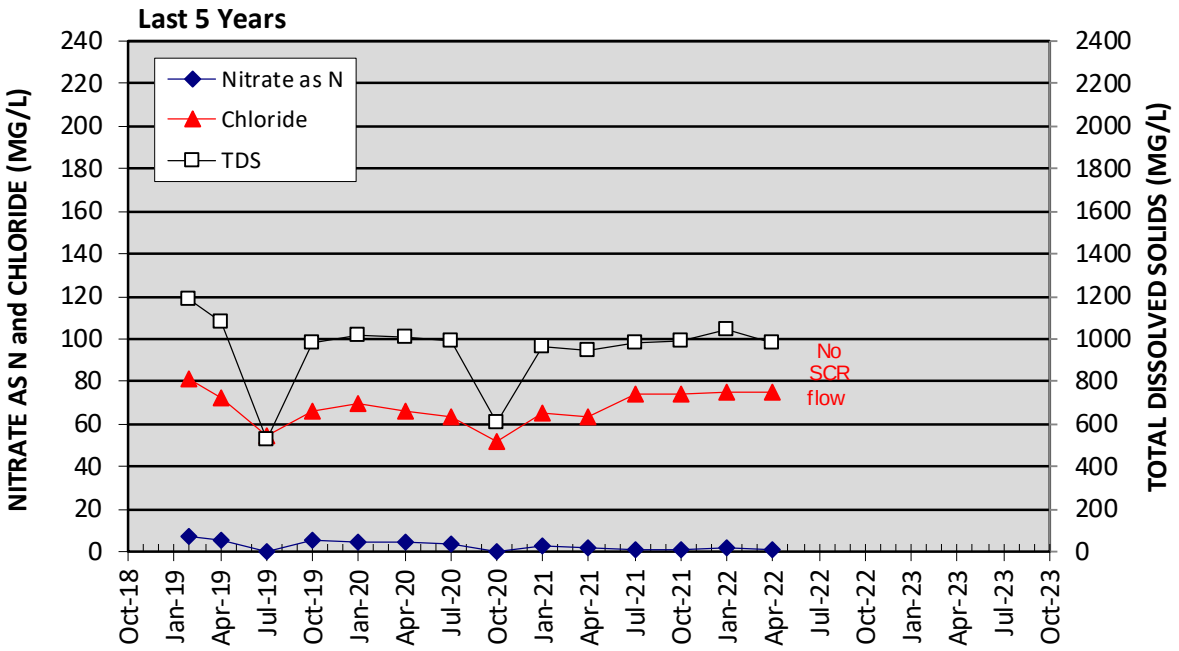


Piru Creek water quality below Santa Felicia Dam

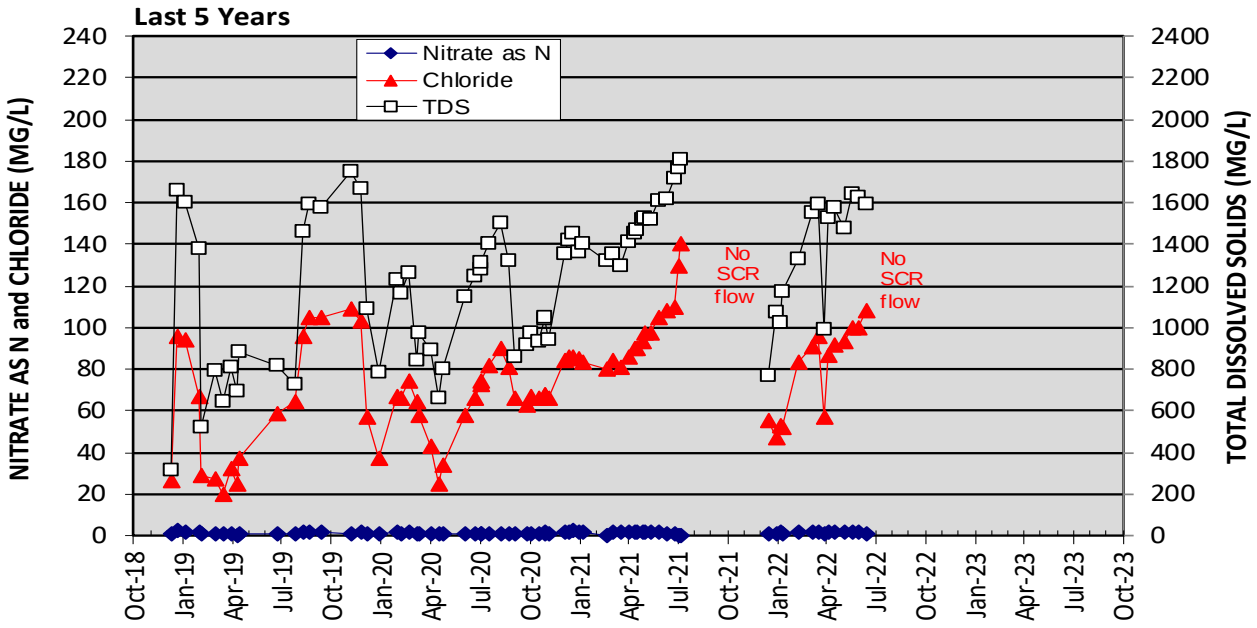


Water Quality

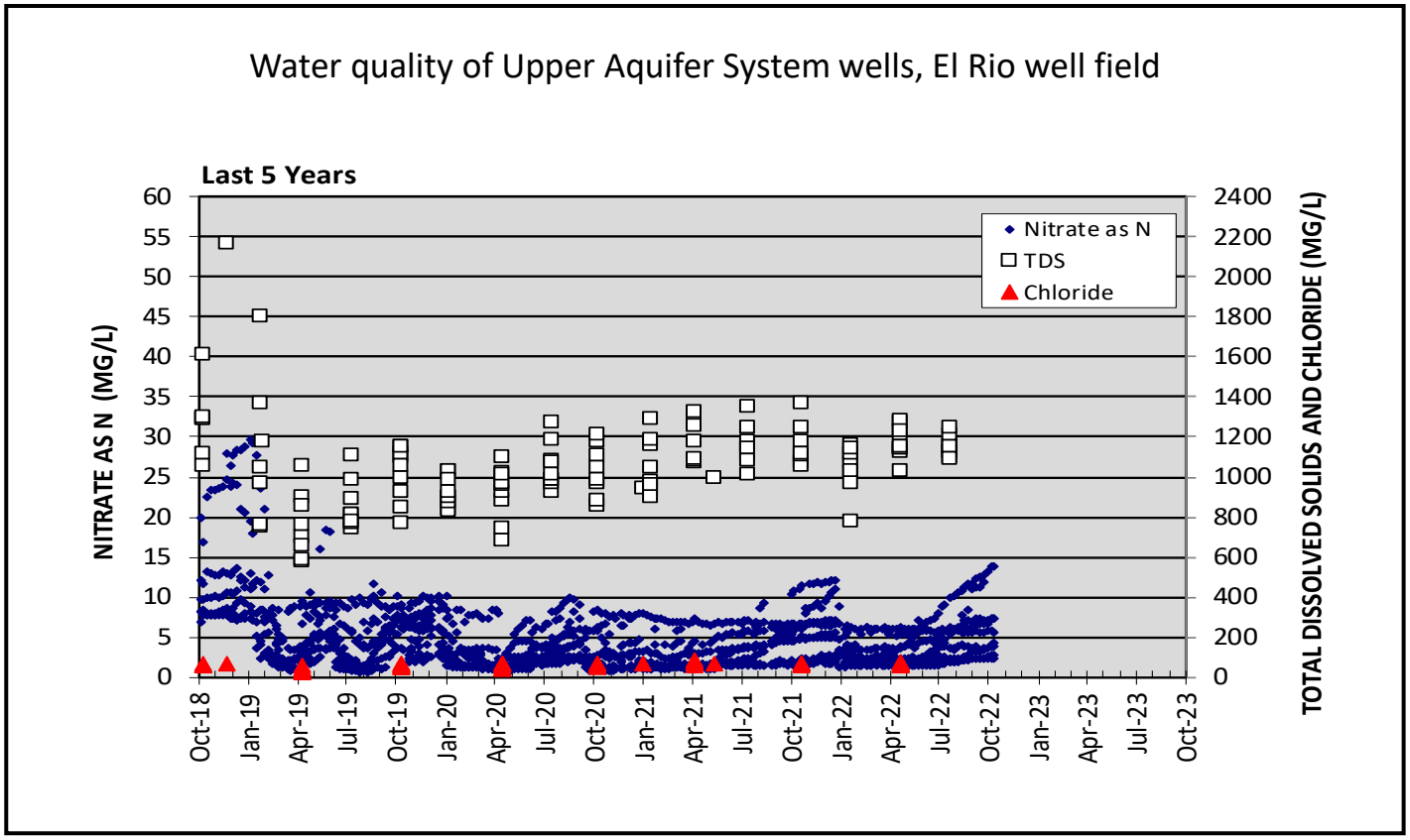
Santa Clara River water quality near Fillmore Fish Hatchery

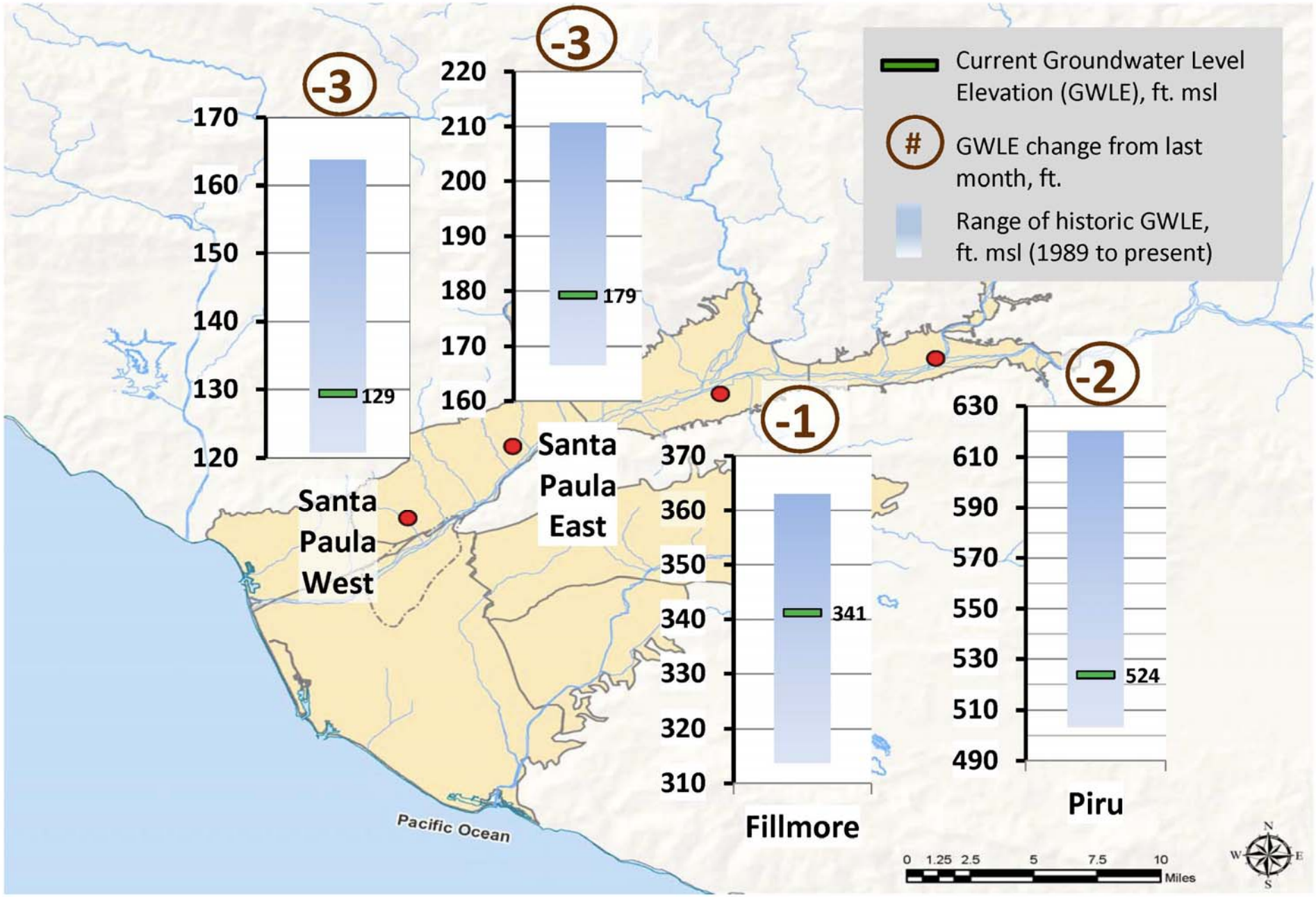


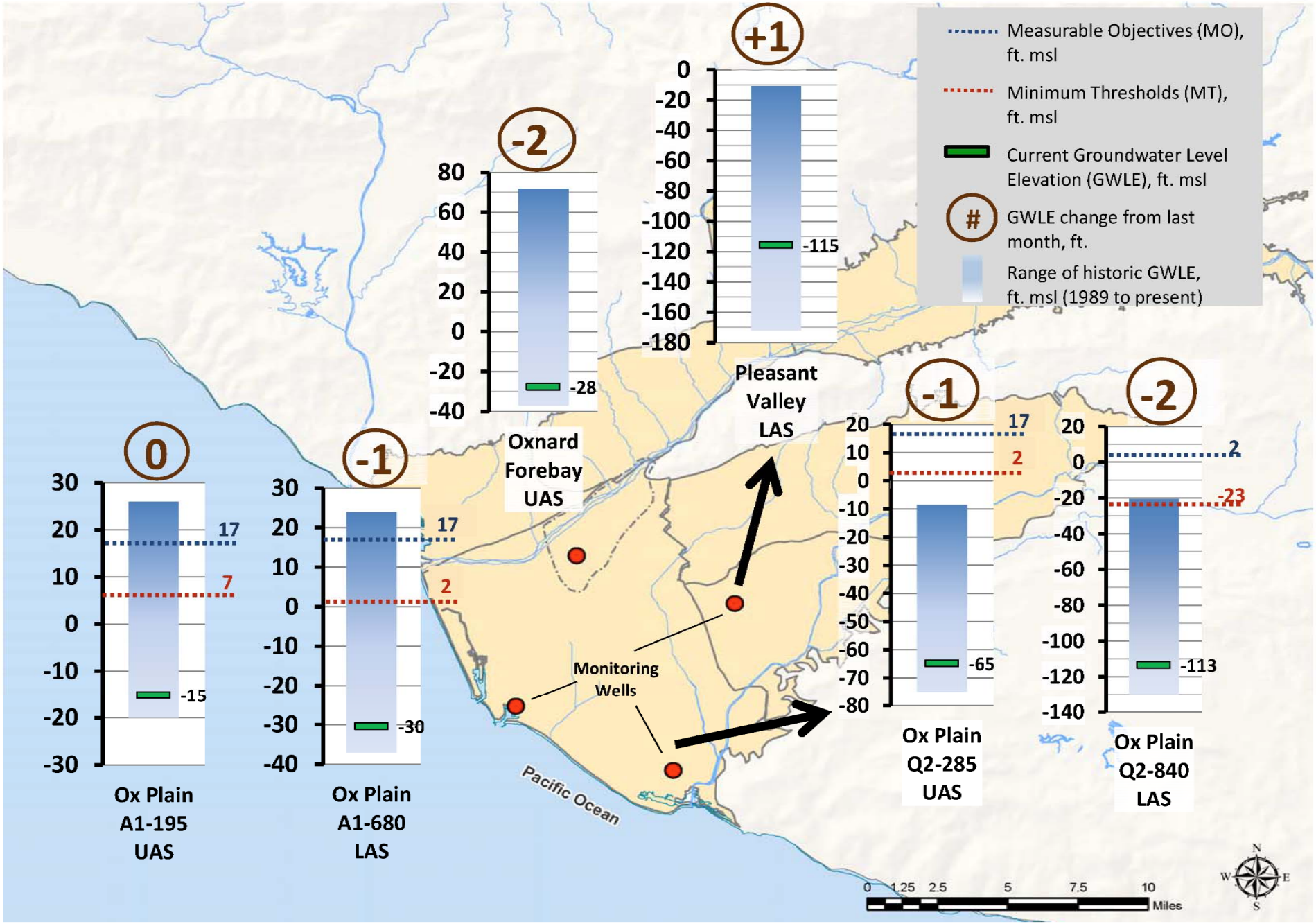
Santa Clara River water quality at Freeman Diversion



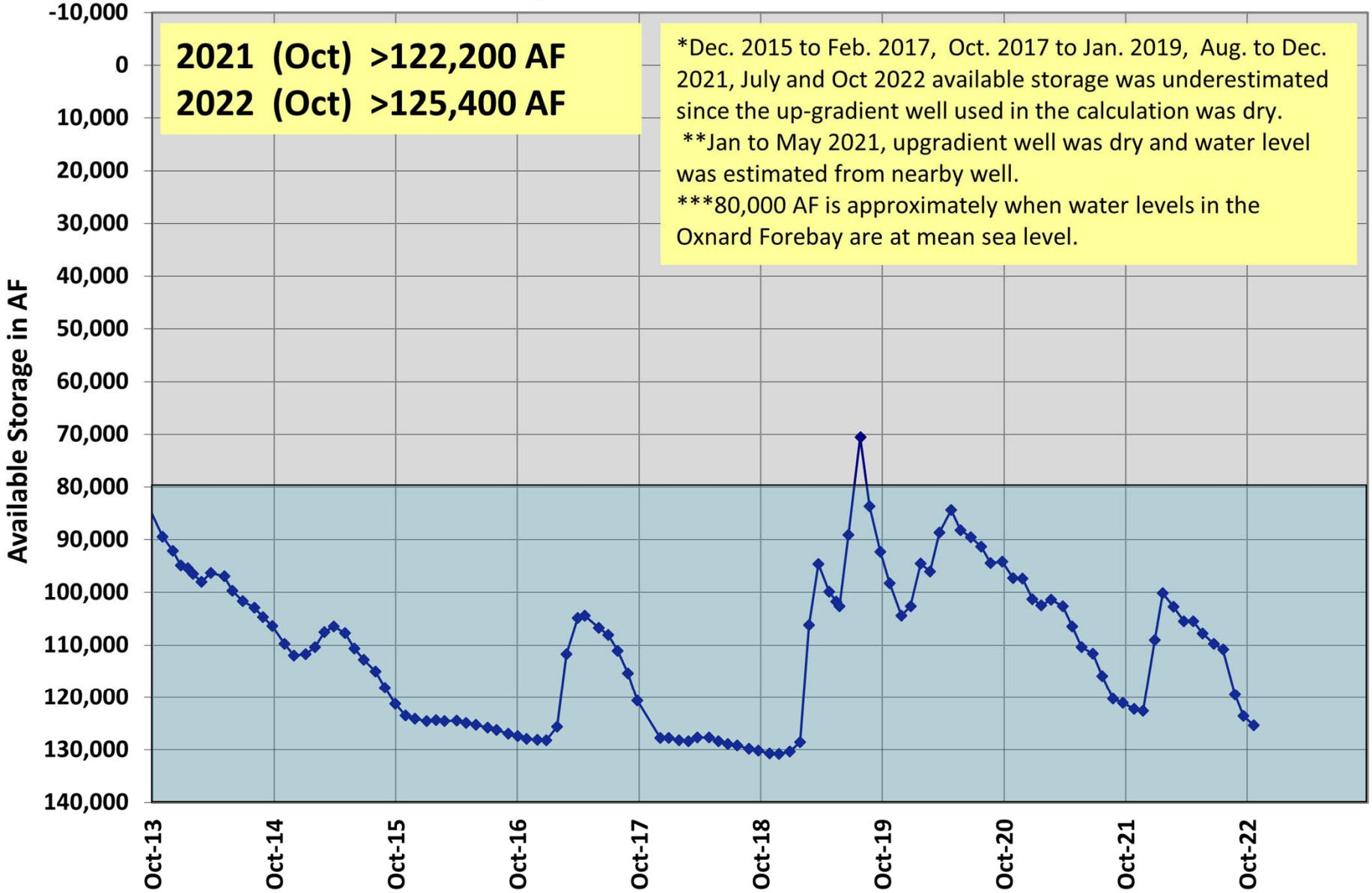
Water Quality

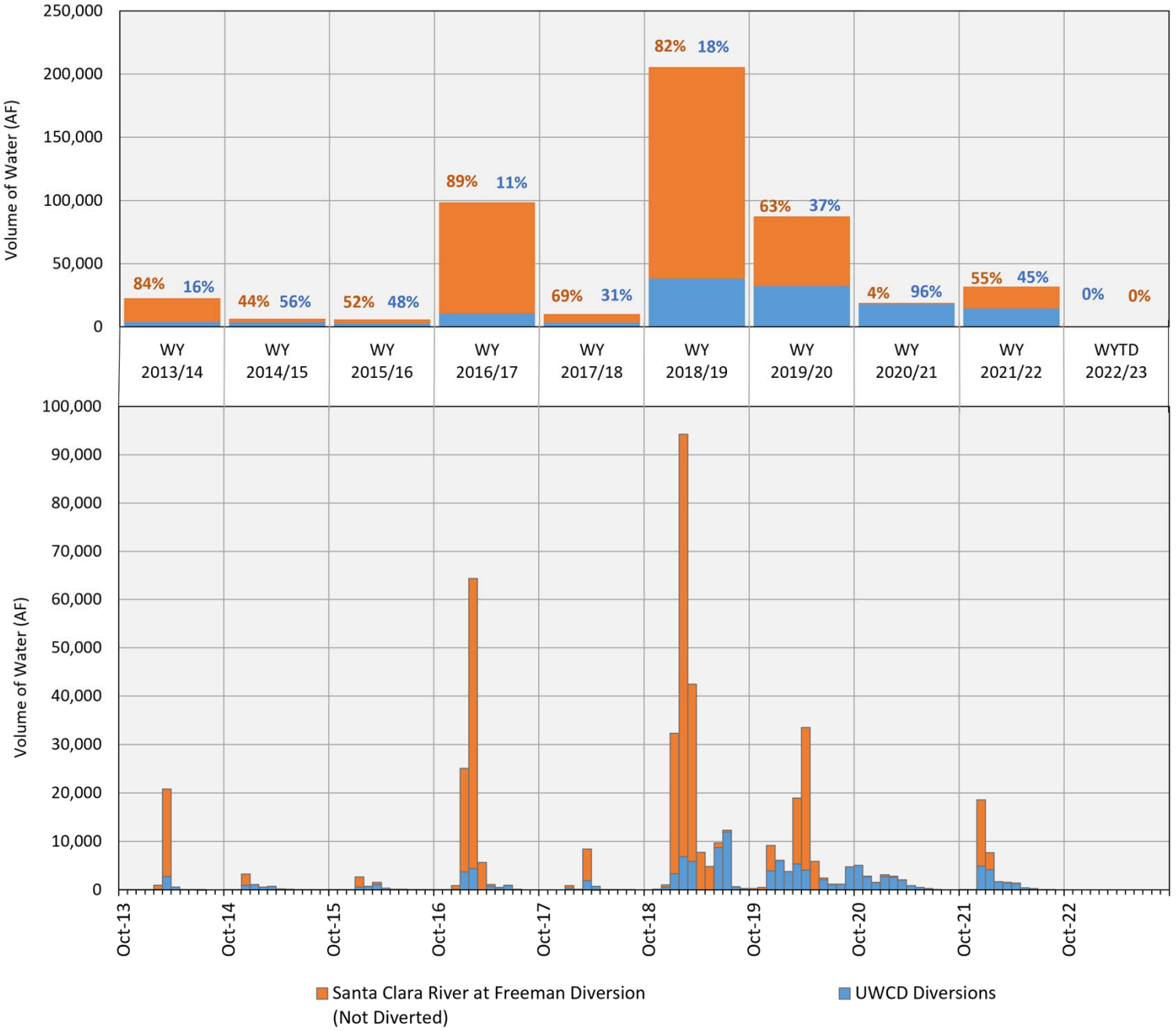



Current Groundwater Level Elevation (GWLE), ft. msl
#
GWLE change from last month, ft.
Range of historic GWLE, ft. msl (1989 to present)
-3
170
160
150
140
130
120
129
-3
220
210
200
190
180
170
160
179
-1
370
360
350
340
330
320
310
341
Fillmore
-2
630
610
590
570
550
530
510
490
524
Piru
Santa Paula West
Santa Paula East
Pacific Ocean
0 1.25 2.5 5 7.5 10
Miles
N
W
E
S


Measurable Objectives (MO), ft. msl
Minimum Thresholds (MT), ft. msl
Current Groundwater Level Elevation (GWLE), ft. msl
GWLE change from last month, ft.
Range of historic GWLE, ft. msl (1989 to present)
+1
-2
-28
Oxnard Forebay UAS
-115
Pleasant Valley LAS
0
-15
Ox Plain A1-195 UAS
-1
17
2
-30
Ox Plain A1-680 LAS
Monitoring Wells
Pacific Ocean
-1
17
2
-65
Ox Plain Q2-285 UAS
-2
2
-23
-113
Ox Plain Q2-840 LAS
0 1.25 2.5 5 7.5 10
Miles
N
W
E
S

Available Storage in the Oxnard Forebay - Last 10 Years





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