



REGULAR BOARD OF DIRECTORS MEETING

501 Taft Highway
Bakersfield, California

TUESDAY, June 18, 2024

AGENDA

CALL TO ORDER AND ANNOUNCEMENT OF QUORUM

12:00PM

CLOSED SESSION:

- A. Conference with Legal Counsel – Existing Litigation – Closed Session Pursuant to Gov. Code § 54956.9(d)(1):
1. SWRCB Kern River.
 2. Rosedale Rio Bravo Water Storage District, et al. v. Kern County Water Agency, et al. (CVC).
 3. Kern Delta Water District et al. v. Rosedale Rio Bravo Water Storage District, et al. (Onyx Ranch CEQA).
 4. Rosedale Rio Bravo Water Storage District v. Buena Vista Water Storage District, et al. (Onyx Ranch Water Rights).
 5. Bring Back the Kern, et al. v. City of Bakersfield, et al.
 6. Sierra Club v. California Department of Water Resources (Delta Conveyance Project Validation).

REGULAR SESSION:

1:00PM

INTRODUCTION OF GUESTS AND PUBLIC

- I. **PUBLIC COMMENT** (Members of the public may address the Board of Directors on any matter not on the agenda, but absent extraordinary circumstances, the Board may not act on such matters. Members of the public may address items of interest that are listed on the agenda prior to the Board's decision on such items.)
- II. **CONSENT CALENDAR** (The Board will consider various non-controversial routine items and issues relating to matters which are of interest to the District. Any Board Member may request that any or all items be considered and acted upon independently of the others.)
- A. Approval of Minutes from the Regular Board Meeting of May 21, 2024.
 - B. Approval of May/June District Construction and Water Banking Project(s) Disbursements.
 - C. Approval of May/June District Disbursements.
- III. **BUSINESS AND FINANCE** (The Board will consider various items and issues relating to financial matters which are of interest to the District.)
- A. Business & Finance Committee Report – June 13, 2024.
 - i. Approval of May 2024 Financial Reports.
- IV. **OPERATIONS AND PROJECTS** (The Board will consider various items and issues relating to matters which have been, or will be, considered by committees of the Board and which are of interest to the District.)
- A. Operations and Projects Committee Report – June 4, 2024 – (Canceled).

- i. District Encroachment Permit Report.
- ii. District Facility and Banking Maintenance Report.
- iii. Pending Development Projects.
- iv. Sunset Groundwater Banking Project Update.

V. WATER RESOURCES REPORT (The Board will consider various items and issues relating to the Kern River of interest to the District.)

- A. District Watermaster Report.
 - i. State Water Project – 2024 SWP Allocation 40%.
 - ii. Kern River Runoff Forecast B120 – 108% April – July.

B. Kern River Watermaster Report.

C. District Groundwater Manager Report.

VI. MANAGER'S REPORT (The General Manager will discuss, and the Board will consider various items and issues relating to the ongoing and future operations of the District which are of interest to the Board)

- A. Verbal.
 - i. 2024 Water Management Update.
 - ii. SGMA Update.
 - iii. Appointment of Director and Alternate Director to the Kern Non-Districted Land Authority.

B. External Agency Report.

C. Water Banking Projects Report.

VII. ATTORNEY'S REPORT (Legal Counsel will discuss, and the Board will consider items and issues of legal interest to the District.)

- A. Verbal.
 - i. 2024 District Assessment Update.
 - ii. VAWC Legislative Update.

VIII. BOARD MEMBER COMMENTS (This item provides Board Members with an opportunity to make announcements or provide general comments.)

IX. ADJOURN

Requests for disability related modifications or accommodations, including auxiliary aids or services may be made by telephoning or contacting Madelyne Rodriguez at the District Office (661-834-4656). Please attempt to make such requests known at least 24 hours before the scheduled meeting. Pursuant to Government Code section 54957.5, any materials relating to an open session item on this agenda, distributed to the Board of Directors after the distribution of the agenda packet, will be made available for public inspection at the time of distribution at the District, 501 Taft Highway, Bakersfield, CA.

Tab II





To: Kern Delta Water District Board of Directors

From: Steven Teglia – General Manager

Date: June 18, 2024

Re: Agenda Item II – Consent Calendar

RECOMMENDATION:

Approve items A through C listed under Agenda Item II – Consent Calendar.

DISCUSSION:

Consent Calendar items are non-controversial routine matters. Board Members may request that any or all items listed under the Consent Calendar be moved to the regular agenda to be discussed and voted on separately. Otherwise, all items will be approved through one motion and vote.

II A. Approval of Minutes from the Regular Board Meeting of May 21, 2024 (attached).

II B. Approval of May/June District Construction and Water Banking Project(s) Disbursements totaling \$968,675.90* (attached), recommended for approval by the Business and Finance Committee (*see June 13, 2024 Business and Finance Committee Minutes for additional detail*).

II C. Approval of May/June District Disbursements (attached) recommended for approval by the Business and Finance Committee (*see June 13, 2024 Business and Finance Committee Minutes for additional detail*).

**The Operations and Projects Committee meeting of June 4, 2024 was canceled. Therefore the District Construction and Water Banking Project(s) Disbursements were subsequently recommended for approval by the Business and Finance Committee on June 13, 2024.*



MINUTES OF THE REGULAR MEETING OF THE BOARD OF DIRECTORS

May 21, 2024

WEDNESDAY, May 21, 2024, 12:04PM– 3:09PM

DIRECTORS PRESENT: Palla, Mendonca, Tillema, Garone, Spitzer, Fanucchi, and Kaiser.

DIRECTORS ABSENT: Antongiovanni and Borba.

STAFF PRESENT: General Manager Teglia, Assistant General Manager Bellue, General Counsel Iger, Controller Duncan, Hydrographer Hyatt, Groundwater Manager Marquez, Office Manager Rodriguez, and Assessor Thorne-Casey.

OTHERS PRESENT: Maddie Reyes.

CLOSED SESSION DECLARED AT 12:04PM

President Palla called to order the Closed Session of the Kern Delta Board of Directors at 12:04PM regarding the following agenda items:

A. Conference with Legal Counsel – Existing Litigation – Closed Session Pursuant to Gov. Code § 54956.9(d)(1):

1. SWRCB Kern River.
2. Rosedale Rio Bravo Water Storage District, et al. v. Kern County Water Agency, et al. (CVC).
3. Kern Delta Water District et al. v. Rosedale Rio Bravo Water Storage District et al. (Onyx Ranch CEQA).
4. Rosedale Rio Bravo Water Storage District v. Buena Vista Water Storage District, et al. (Onyx Ranch Water Rights).
5. Bring Back the Kern, et al. v. City of Bakersfield, et al.
6. Sierra Club v. California Department of Water Resources (Delta Conveyance Project Validation).

Closed Session concluded at 12:59PM.

REGULAR SESSION DECLARED AT 1:01PM

President Palla called to order the Regular Session of the Kern Delta Board of Directors at 1:01PM.

Closed Session Report: District General Counsel Iger reported the following:

Item A: No reportable action.

INTRODUCTION OF GUESTS AND PUBLIC

Those listed as others present were introduced.

I. PUBLIC COMMENT

None.

II. CONSENT CALENDAR

M/S/C (Mendonca/Spitzer) (yes-7, no-0): By unanimous vote, with Directors Antongiovanni and Borba absent, the Board approved and authorized items II A through II C of the Consent Calendar.

- A. Approval of Minutes from the Regular Board Meeting of May 7, 2024.
- B. Approval of the April/May District Construction and Water Banking Project(s) Disbursements.
- C. Approval of the April/May District Disbursements.

III. BUSINESS AND FINANCE

A. Business & Finance Committee Report – May 14, 2024 (Special Meeting): District Controller Duncan provided a report from the May Business & Finance Committee Meeting.

A(i). Approval of April 2024 Financial Reports: Mr. Duncan presented the April 2024 District and Water Banking Project(s) Financial Statements, Treasurer's Reports, and District Delinquency Report.

M/S/C (Tillema/Kaiser) (yes-7, no-0): By unanimous vote, with Directors Antongiovanni and Borba absent, the Board approved the April 2024 District and Water Banking Project(s) Financial Statements, Treasurer's Reports, and Delinquency Report as presented.

IV. OPERATIONS AND PROJECTS

A. - A(i-iv). Operations and Projects Committee – May 7, 2024: Assistant General Manager Bellue reported on several items, including District maintenance activities, recent encroachment permit requests, pending development projects impacting District facilities, and a status update related to the Sunset Groundwater Banking project. During the discussion regarding the Sunset Groundwater Banking Project staff presented a fencing proposal developed by Arvin-Edison Water Storage District (AEWSD) for the Sunset Pumping Station. The proposal includes the installation of a chain link fence with barbed wire by Bear Mountain Fence Co. (\$15,465) as well as the addition of an internal electrified fence which will be installed by AMAROK. Installation, monitoring, and maintenance of the electrified fence is managed via a monthly rental fee arrangement (\$1,000 per month). It was noted that since Kern Delta administers the financial accounts for the Sunset Project, Kern Delta would proceed with an agreement with AMAROK to facilitate the installation of the secondary electrified fence. Staff recommended the Board take action to concur with the AEWSD Fencing Plan.

M/S/C (Garone/Spitzer) (yes-7, no-0): By unanimous vote, with Directors Antongiovanni and Borba absent, the Board approved the AEWSD fencing plan for the Sunset Pumping Station as discussed above and presented by staff, including the installation of the secondary electrified fence.

B. Review and Approval of Plans for Caltrans SR 119 Widening Project: Staff provided an overview of the final plans associated with the Caltrans project to widen SR 119 between just west of Ashe Road to highway 99. The widening project will include widening adjacent to several District facilities (Farmers, Randall,

Burness, Stillson, and Branch 1 Canals). District staff worked with Caltrans during the design phase to ensure that the final plans reflected District feedback applicable to each facility. Pending the receipt of additional letters from Caltrans regarding additional nuances associated with the Randall and Branch 1 Canals, District staff is satisfied with the plans for the SR 119 Widening Project as presented. As such, staff recommended that the Board approve the plans for the Caltrans SR 119 Widening Project subject to final review by the General Manager and General Counsel.

M/S/C (Tillema/Mendonca) (yes-7, no-0): By unanimous vote, with Directors Antongiovanni and Borba absent, the Board approved the Plans for Caltrans SR 119 Widening Project as presented subject to final review by the General Manager and General Counsel.

V. WATER RESOURCES REPORT

A. - A(i-ii). District Watermaster Report: Staff reviewed and discussed the water supplies of the District for the month of April and early May. Approximately 18,813 acre-feet of water was diverted in District during April. Staff also provided information related to current precipitation totals and future forecasts. It was noted that the State Water Project allocation for 2024 sits at 40% and the current Kern River April – July runoff forecast is 108% of average.

B. Kern River Watermaster Report: The May Kern River Watermaster Report was included in the Board packet.

C. District Groundwater Manager Report: Groundwater Manager Marquez provided verbal comments supplementing graphical information regarding depth to groundwater at various monitoring locations throughout the District.

VI. MANAGER'S REPORT

A(i-iii). Verbal & SGMA Update: Mr. Teglia provided a verbal report regarding several items including an update on 2024 water management activities and the April District Proration Letter which is distributed to all District water users. Mr. Teglia provided a recap of recent grower meetings which informed the District's plan to begin the summer run on June 1 with expectation of continuing the run through August.

Mr. Teglia also provided an update regarding current SGMA activities. This included a PowerPoint presentation overview of the revised GSP applicable to the Kern River GSA, which was prepared for submittal to the State Water Resources Control Board (SWRCB). Future amendments to the current GSPs will be based on feedback from the SWRCB and public review process.

B. External Agency Report: Mr. Teglia provided verbal comments supplementing a memorandum included in the Board package which provided information on the meetings and activities of various external agencies. These agencies include, but are not limited to, the Kern County Water Agency, Kern Fan Authority, Kern River Watershed Coalition Authority, Kern Groundwater Authority, Kern River Groundwater Sustainability Agency, the South Valley Water Resources Authority, the Water Association of Kern County, and the Integrated Regional Water Management Plan.

C. Water Banking Projects Report: Mr. Teglia provided verbal comments supplementing a memorandum included in the Board package which provided information on water banking project activity on the Kern Fan as well as District water banking project activities.

Note: Director Garone left the meeting at 2:54pm.

VII. ATTORNEY'S REPORT

A. - A(i). Verbal & 2024 District Assessment Update: Mr. Iger and District Assessor Thorne-Casey provided a brief update regarding the collection of District Assessments for 2024.

A(ii). Legislative Update: The most recent legislative update provided by the VAWC was provided.

VIII. BOARD MEMBER COMMENTS

IX. ADJOURNMENT

There being no further business, President Palla adjourned the meeting at approximately 3:09PM.

Respectfully Submitted,



Steven Teglia, General Manager

Approved by Board,



Richard Tillema, Board Secretary

**KERN DELTA WATER BANKING PROGRAM DISBURSEMENTS
RECOMMENDED BY THE OPERATIONS & PROJECTS COMMITTEE**

Tuesday, June 4, 2024

#	PAYEE		AMOUNT	CHECK
1	PGE - KD1	Well utilities	29.70	3927
2	PGE - KB4	Well utilities	59.13	3928
3	PGE - KB6	Well utilities	59.51	3929
4	PGE - FR2	Well utilities	59.85	3930
5	PGE - KB1	Well utilities	60.03	3931
6	PGE - AE2	Well utilities	62.21	3932
7	PGE - AE3	Well utilities	66.52	3933
8	PGE - KI7	Well utilities	68.29	3934
9	PGE - KI8	Well utilities	68.63	3935
10	PGE - AE4	Well utilities	115.31	3936
11	PGE - KD2	Well utilities	128.73	3937
12	PGE - AE1	Well utilities	143.49	3938
13	PGE - KB3	Well utilities	29.40	3939
14	SIERRA HYDRO	Progress payment 11	3,023.11	3940
15	DANIELS TIRE	New tire #401	2,142.36	3941
16	PGE - FR3	Well utilities	29.70	3942
17	SIERRA HYDRO	Reissue Check	11,326.48	3943
18	STEPHEN B. SMITH	Reissue Check	7,095.00	3944
19	KCWA	2024 3rd Quarter CVC Operating costs	181,223.00	3945
20	KCWA-ID4	2022 CVC O&M reconciliations credit	185,157.00	3946
21	KDWD	2022 CVC O&M reconciliations credit	185,157.00	3947
22	KERN MACHINERY	Air bag, shocks, etc. #T15	1,600.66	3948
23	PGE - ST1	Well utilities	28.16	3949
24	PGE - BV5	Well utilities	71.10	3950
25	PGE - BV3	Well utilities	33.71	3951
26	PGE - BV4	Well utilities	77.12	3952
27	PGE - BV2	Well utilities	69.05	3953
28	QUINN	Teeth #408	239.28	3954
29	STEPHEN B. SMITH	Weed control	5,555.00	3955
30	TARGET SPECIALTY	Roundup pro 30 gal	1,066.47	3956
TOTAL			584,845.00	

**The June 4th, 2024, Operations and Projects Committee was canceled, the above will be reviewed at the June 13th, 2024, Business and Finance Committee meeting.*

SUNSET WATER BANKING PROGRAM DISBURSEMENTS
RECOMMENDED BY THE OPERATIONS & PROJECTS COMMITTEE
Tuesday, June 4, 2024

#	PAYEE		AMOUNT	CHECK
1	PACIFIC PREMIER BANK	Retainage	23,079.35	38
2	SPECIALTY CONSTRUCTION, INC.	Progress Payment 12 & 13	294,639.15	39
3	ZEIDERS CONSULTING	Jan.- May 2024 Consulting	66,112.40	40
TOTAL			383,830.90	

**The June 4th, 2024, Operations and Projects Committee was canceled, the above will be reviewed at the June 13th, 2024, Business and Finance Committee meeting.*

KERN DELTA WATER DISTRICT
DISBURSEMENTS RECOMMENDED BY THE BUSINESS AND FINANCE COMMITTEE
Thursday, June 13, 2024

MAY 2024 SUB TOTAL \$ 217,911.47

# PAYEE	AMOUNT	CHECK
1 CITIZENS - Office Supplies, Lunch, Subscriptions	6,466.62	EFT
2 VERIZON - Cell Service	677.00	EFT
3 AG SPRAY EQUIPMENT - Bushing, Hose Barb #329	19.53	47373
4 B&B SURPLUS, INC. - Metal-290 Over Pour	365.89	47374
5 BEST FIRE PROTECTION - Annual Fire Sprinkler Inspection	500.00	47375
6 BLUE PRINT SERVICE CO. - Copies	40.82	47376
7 BSE RENTS - Concrete for Turnout	240.35	47377
8 CARQUEST, INC. - Fuel Cap #327, Solenoid #326, Oil	100.82	47378
9 CASH - 05/2024 Safety Incentive	900.00	47379
10 CHRISTENSEN, INC. - Fuel	10,153.64	47380
11 CINTAS - Uniforms, Towels, Mats	521.41	47381
12 COMPUTERSHARE - Trustee Fee	4,500.00	47382
13 COX, CASTLE & NICHOLSON LLP - Professional Services	4,326.71	47383
14 ELLISON, SCHNEIDER & HARRIS L.L.P. - Professional Services	44,541.31	47384
15 HERC RENTALS - Telehandler Rental	2,562.14	47385
16 JIM BURKE FORD - Truck #235, Filters	43,969.39	47386
17 KERN COUNTY PUBLIC WORKS - Dump Fees	1,576.26	47387
18 KERN COUNTY WATER AGENCY - 11/2023 Pioneer Recharge	16,566.00	47388
19 MARCOM GROUP - Website Hosting	95.00	47389
20 NORTH KERN WATER STORAGE DISTRICT - Weather Mod	12,054.07	47390
21 PACIFIC GAS & ELECTRIC - Office Utilities Shop	111.27	47391
22 PACIFIC GAS & ELECTRIC - Office Utilities Office	1,905.34	47392
23 PITNEY BOWES - Postage Lease	261.90	47393
24 PROGRESSIVE TECHNOLOGY, INC. - Phone Service	455.48	47394
25 RELIABLE JANITORIAL - Cleaning Service	2,370.00	47395
26 SIERRA HYDROGRAPHICS - Progress Payment 11	7,053.93	47396
27 SOUTH VALLEY WATER RESOURCES AUTHORITY - Cash Call #8	6,885.00	47397
28 UNITED AG BENEFIT TRUST - 06/2024 Medical Premium	34,015.52	47398
29 VALLEY AG WATER COALITION - 2024 Dues	3,500.00	47399
30 VALLEY DECAL - Decals #234	51.09	47400
31 WHITE CAP - Safety Glasses, N95mask, First Aid Kit 234,235,332	272.86	47401
32 CHRISTENSEN, INC. - Reissue Check	11,716.65	47402
33 CINTAS - Uniforms, Towels, Mats	515.50	47403
34 EL PUEBLO RESTAURANT - Lunch	529.34	47404
35 ENVIRO TECH - Sonic Meter Rental	143.13	47405
36 GREENFIELD BASEBALL ASSOCIATION - 2024 Sponsorship	250.18	47406
37 KERN FAN MONITORING COMMITTEE - 2023 Inst #2	5,410.00	47407
38 PRICE DISPOSAL - Waste Removal	73.20	47408
39 PRINCIPAL LIFE INSURANCE - 06/01/24-06/30/24	5,025.45	47409
40 SCHWEBEL PETROLEUM - Rotella	1,159.79	47410
41 SIERRA HYDROGRAPHICS - Reissue Check	26,428.47	47411
42 SPECTRUM - Internet Service	391.51	47412
43 STEPHEN B. SMITH - Reissue Check	220.00	47413
44 VULCAN MATERIALS COMPANY - Reissue Check	7,672.48	47414

45 Payroll #11	81,829.08	Wire
46 EFT-IRS P/R #11	26,760.85	Wire
47 Edd-State P/R #11	5,218.85	Wire
48 CASDU	363.22	Wire
49 Payroll People #11	455.30	Wire
50 Lincoln Life - Retirement Program	13,607.07	Wire
51 Lincoln Life - Deferred Comp.	3,222.00	Wire
52 Empower - Deferred Comp.	1,582.00	Wire
MAY 2024 TOTAL		617,544.89

# PAYEE	AMOUNT	CHECK
1 A-1 ANSWERING SERVICE - Answering Service	981.68	47415
2 ADVANCED DISTRIBUTION - Lights #235, Tire Inflator	1,147.82	47416
3 AMERICAN HYDROTECH - Lawn Service	325.00	47417
4 CAREFREE TECHNOLOGY - It Support	5,750.00	47418
5 CHRISTENSEN, INC. - Fuel	10,350.80	47419
6 CINTAS - Uniforms, Towels, Mats	1,007.41	47420
7 DANIELS TIRE SERVICE - Spare Tires	1,092.22	47421
8 GREENFIELD COUNTY WATER DIST. - Office Utilities	248.52	47422
9 CRYSTAL CLEAN, LLC - Waste Oil	225.00	47423
10 INDUSTRIAL MEDICAL GROUP - Employee Physicals	390.00	47424
11 JIM BURKE FORD - Oil Filters #327, Fan #223	280.71	47425
12 KERN COUNTY WATER AGENCY - 2024 3rd Qtr Cvc Standby	3,759.92	47426
13 KERN DELTA WATER BANKING PROJECT - 2024 3rd Qtr Cvc	45,305.75	47427
14 McMURTREY, HARTSOCK, WORTH & ST. LAWRENCE - Professional Services	2,000.00	47428
15 O'REILLY AUTO PARTS - Brakes #218	60.99	47429
16 PACIFIC GAS & ELECTRIC - Office Utilities Outdoor Lights	14.96	47430
17 PROGRESSIVE TECHNOLOGY, INC. - PC	3,072.71	47431
18 QUINN - Filters #403	711.32	47432
19 RELIABLE JANITORIAL - Cleaning Service	510.00	47433
20 SCHWEBEL PETROLEUM - DEF	207.63	47434
21 SSD ALARM - 2024 3rd Qtr Alarm Service	1,219.97	47435
22 STERICYCLE, INC. - Shred Service	131.80	47436
23 TARGET SPECIALTY PRODUCTS - Roundup 265 Gal	7,521.10	47437
24 VACUSWEEP - Parkinglot Maintenance	460.00	47438
25 VERIZON CONNECT - Gps Service	438.70	47439
26 ZENITH INSURANCE COMPANY - Installment 2	7,785.00	47440
27 LOWE'S BUSINESS ACCOUNT - Concrete, Bolts, Anchors, Rope	284.97	EFT
28 CENTRALIZE HR, LLC. - Hr Services	1,895.00	EFT
28 STERLING ADMINISTRATION - Hra Admin	125.00	EFT
30 Payroll #12	81,669.66	Wire
31 EFT-IRS P/R #12	26,821.37	Wire
32 Edd-State P/R #12	5,273.73	Wire
33 CASDU	363.22	Wire
34 Payroll People #12	175.52	Wire
35 Lincoln Life - Retirement Program	12,798.75	Wire
36 Lincoln Life - Deferred Comp.	3,222.00	Wire
37 Empower - Deferred Comp.	1,582.00	Wire
JUNE 2024 SUBTOTAL		229,210.23

KERN DELTA WATER DISTRICT**Anticipated Disbursements - Month End - March 2024**

Payee	Reason	June 2024 Estimated
AG SPRAY EQUIPMENT	spray parts	50.00
BATTERY SYSTEMS	vehicle maintenance	150.00
BROWN ARMSTRONG	professional services	10,000.00
CAREFREE TECH MANAGEMENT	IT support and security	5,750.00
CHRISTENSEN/(Amerifuel)	gas/diesel fuel	10,150.00
CINTAS	uniform/laundry service	1,050.00
CITIZENS CARDMEMBER SERV	misc expenses	5,000.00
COX, CASTLE & NICHOLSON LLP	professional services	5,000.00
DANIELS TIRE SERVICE	vehicle tires/repair	1,200.00
ELLISON, SCHNEIDER & HARRIS	professional services	45,000.00
EMPOWER	deferred comp contributions	1,582.00
GRAINGER	safety materials	50.00
JIM BURKE	truck maintenance/repair	1,200.00
KERN COUNTY PUBLIC WORKS	waste disposal	3,200.00
KERN COUNTY WATER AGENCY	agency programs and fees	5,000.00
LINCOLN FINANCIAL	pension/deferred comp contributions	15,750.00
MARCOM GROUP	district web site support	95.00
MOSSMAN'S	catering	575.00
NORTH KERN WSD	weather modification	13,000.00
P.G.&E.	district office utilities	2,100.00
PITNEY BOWES	postage	135.00
PRINCIPAL LIFE INS.	dental/vision/life insurance premium	5,200.00
PROGRESSIVE TECH.	phones	456.00
RELIABLE JANITORIAL	janitor service	1,185.00
SCHWEBEL PETROLEUM	oil/lubricants	450.00
SPECTRUM	internet access	391.50
STERICYCLE, INC (Shred-it)	office shredding and disposal	125.00
STERLING ADMINISTRATION	medical insurance - annual fees	125.00
STINSON'S	office supplies	175.00
TARGET	weed control chemicals	12,000.00
UNITED AG	medical insurance premium	28,968.50
VERIZON	cell phones and service	677.00
WHITE CAP	maintenance peripherals	250.00
		<u>176,040.00</u>

Tab III





BUSINESS & FINANCE COMMITTEE MEETING

**501 Taft Highway
Bakersfield, CA**

**THURSDAY, June 13, 2023
10:00AM**

A G E N D A

- 1. Call to Order**
- 2. Public Comment Period**
- 3. Approve Minutes of May 14, 2024, Special Meeting of the Business & Finance Committee**
- 4. Financial Reports and Disbursements:**
 - a. Approve May and June District and Banking Project(s) Disbursements
 - b. Approve May 2024 Financial Reports
- 5. District Controller's Report:**
 - a. Review of District Investments
- 6. Committee Comments**
- 7. Adjourn**

A handwritten signature in black ink, appearing to read "Bryan Duncan", is written over a light gray rectangular background.

**Bryan Duncan
District Controller**

**Posted: Monday June 10, 2024
Bakersfield, California**

Requests for disability related modifications or accommodations, including auxiliary aids or services may be made by telephoning or contacting Madelyne Rodriguez at the District Office (661-834-4656). Please attempt to make such requests known at least 24 hours before the scheduled meeting. Pursuant to Government Code section 54957.5, any materials relating to an open session item on this agenda, distributed to the Board of Directors after the distribution of the agenda packet, will be made available for public inspection at the time of distribution at the District, 501 Taft Highway, Bakersfield, CA.



MINUTES OF THE MEETING OF THE BUSINESS & FINANCE COMMITTEE

Thursday, June 13, 2024

DIRECTORS PRESENT: Antongiovanni, Tillema, Garone, and Kaiser

OTHERS PRESENT: From KDWD: Assistant General Manager Bellue, Controller Duncan, Office Manager Rodriquez

1. CALL TO ORDER

Director Antongiovanni called the meeting to order at 10:00 A.M.

2. PUBLIC COMMENTS

None.

3. APPROVAL OF PREVIOUS COMMITTEE MEETING MINUTES

- a. **M/S/C (Kaiser/Tillema) (yes – 4, no – 0):** The Business & Finance Committee approved the minutes of the Special Meeting of the Business & Finance Committee held on May 14, 2024, as presented.

4. FINANCIAL REPORTS AND DISBURSEMENTS

- a.- b. Approval of May 2024 and June 2024 Disbursements and May 2024 Financial Reports.

M/S/C (Tillema/Garone) (yes – 4, no – 0): The Business & Finance Committee recommends the Board approve the May 2024 and June 2024 District Disbursements, the May 2024 and June 2024 Water Banking Projects' Disbursements, the anticipated June 2024 end of month Disbursements, and the May 2024 District and Water Banking Projects' Financial Statements, Treasurer's Reports, and Delinquency Report as presented.

5. DISTRICT CONTROLLER'S REPORT

- a. Review of District Investments.

Staff reviewed recent cash receipts and investment activity with the Business & Finance Committee. Staff noted an error in purchasing two \$250,000 CDs from the same bank. The Business & Finance Committee directed staff to sell one of the CDs and use the proceeds to purchase a different CD from a different bank or, if another bank is not available, to purchase a US Treasury Note if the yield and terms are similar to those provided by the CD to be sold.

6. DIRECTORS' COMMENTS

None.

7. ADJOURN

Director Antongiovanni adjourned the meeting at 10:26 A.M.

Respectfully submitted,

Kevin Antongiovanni – Chair

**Kern Delta Water District
Balance Sheet
As of May 31, 2024**

	<u>05/31/2024</u>	<u>04/30/2024</u>	<u>Month-to-Month Variance</u>
Assets			
Current Assets			
Cash & Cash Equivalents	26,347,393	26,407,836	(60,443)
Accounts Receivable	1,221,322	998,399	222,922
Inventory & Prepaid Expenses	394,388	469,258	(74,869)
Total Current Assets	<u>27,963,103</u>	<u>27,875,493</u>	<u>87,610</u>
Net Fixed Assets			
Fixed Assets			
District Structures, Rights of Way	18,077,760	18,077,760	0
CVC Expansion	8,776,668	8,776,668	0
Machinery & Equipment	3,693,331	3,746,900	(53,569)
Fixed Assets	<u>30,547,759</u>	<u>30,601,328</u>	<u>(53,569)</u>
Less Accumulated Depreciation	<u>(8,276,868)</u>	<u>(8,350,298)</u>	<u>73,430</u>
Net Fixed Assets	<u>22,270,891</u>	<u>22,251,030</u>	<u>19,861</u>
Investment in Joint Powers Authority	<u>12,052</u>	<u>5,167</u>	<u>6,885</u>
Investment in Banking Project	<u>9,527,537</u>	<u>9,527,537</u>	<u>0</u>
Investment in Sunset Banking Program	<u>1,638,344</u>	<u>1,638,344</u>	<u>0</u>
Total Assets	<u>61,411,927</u>	<u>61,297,571</u>	<u>114,356</u>
Liabilities & Equity			
Current Liabilities			
Accounts Payable	156,517	186,626	(30,109)
Other Liabilities	172,616	167,820	4,796
Total Current Liabilities	<u>329,133</u>	<u>354,446</u>	<u>(25,313)</u>
Long Term Liabilities			
Bonds & COP Debt	3,325,000	3,325,000	0
Bonds Premium & Costs	97,467	97,467	0
Total Long Term Liabilities	<u>3,422,467</u>	<u>3,422,467</u>	<u>0</u>
Equity From Past Years	57,890,288	57,890,288	0
Accumulated Equity - Current Year	<u>(229,961)</u>	<u>(369,630)</u>	<u>139,669</u>
Total Liabilities & Equity	<u>61,411,927</u>	<u>61,297,571</u>	<u>114,356</u>

Kern Delta Water District
Cash Variance Analysis
May 31, 2024

Cash Received:

Accounts Receivable Collections	338,853
Property Tax Receipts	98,317
Interest Received	95,429
	532,599

Cash Disbursed:

Disbursements for Goods and Services:

Professional Services	(60,868)
Jim Burke Ford - New Truck	(43,969)
Medical/Dental Monthly Insurance Premiums	(39,041)
Sierra Hydrographics - SCADA	(33,482)
Diesel/Gas for Fleet	(21,870)
KCWA - Pioneer Recharge	(16,566)
NKWSD - Weather Mod	(12,054)
Dues - KFMC, VAWC	(8,910)
SVWRA - JPA Cash Call	(6,885)
Progressive Tech/Carefree Tech - Cyber Security, Tech	(6,205)
Other Disbursements	(44,192)
	(294,044)

Payrolls Paid	(272,137)
Wells Fargo COP Interest	(57,380)
	(623,560)

Positive/(Negative) Cash Variance Before FMV Adjustment	(90,961)
--	-----------------

FMV Adjustment to Kern County Funds	30,518
--	---------------

Adjusted Positive/(Negative) Cash Variance	(60,443)
---	-----------------

Kern Delta Water District
Accounts Receivable Variance Analysis
May 31, 2024

Revenue Added to Accounts:

Seepage Revenue	75,577
Water Sales - Utility Water	427,504
Water Sales - State Water	39,547
Other Misc Revenues:	
Penalties/Interest/Adjustments	1,305
KCWA Credit	15,366
Sale of Vehicles	29,000
Other	18,530
	606,829

Cash Received:

Water Payments	(210,031)
Misc Payments	(86,785)
Assessments Payments	(42,037)
	(338,853)

2023 Accrued Interest Converted to Cash **(45,054)**

(383,907)

Net positive/(negative) variance **222,922**

Kern Delta Water District
Inventory/Prepays Variance Analysis
May 31, 2024

Additions to Accounts:

Weed Control Chemicals Purchased	8,793
Prepaid Additions	-
	8,793

Usage/Amortization:

Chemicals Consumed During Month	(58,595)
Amortization of Prepaid Accounts	(25,067)
	(83,662)

Net positive/(negative) variance	(74,869)
---	-----------------

**Kern Delta Water District
Statement of Operating Results
Through the Period Ended May 31, 2024**

	<u>Current Month</u>	<u>Year to Date</u>	<u>Annual Budget</u>	<u>YTD as %age of Budget (Target is 42%)</u>	<u>Budget Remaining</u>
REVENUE					
State Water Sales	39,547	49,154	1,102,239	4 %	(1,053,085)
Utility Water Sales	427,505	823,245	3,214,296	26 %	(2,391,051)
Seepage Revenue	75,576	75,577	750,000	10 %	(674,423)
Equalization	0	9,618	9,045	106 %	573
Assessments	0	978,411	980,678	100 %	(2,267)
Property Tax	98,318	2,644,355	6,391,589	41 %	(3,747,234)
Interest Revenue	50,449	323,140	720,000	45 %	(396,860)
Other Revenue	40,561	85,702	250,000	34 %	(164,298)
Water Transfer Charges	0	481,365	950,000	51 %	(468,636)
Expense Reimb From Banking	0	0	150,000	0 %	(150,000)
Total Revenue	<u>731,956</u>	<u>5,470,567</u>	<u>14,517,847</u>	<u>38 %</u>	<u>(9,047,281)</u>
EXPENDITURES					
Source of Supply					
State Water Costs	0	2,253,657	4,000,000	56 %	(1,746,344)
Exchange Fees	0	0	63,750	0 %	(63,750)
Watermaster, City, Isabella	12,055	59,492	550,600	11 %	(491,107)
Grower Recharge Program Costs	0	0	0	0 %	0
Miscellaneous Source Costs	0	10,098	950,000	1 %	(939,902)
Total Source of Supply	<u>12,055</u>	<u>2,323,247</u>	<u>5,564,350</u>	<u>42 %</u>	<u>(3,241,103)</u>
Transmission and Distribution					
Labor	261,141	1,211,995	2,977,807	41 %	(1,765,812)
Employee Benefits	93,207	399,637	1,067,816	37 %	(668,179)
Maintenance & Repairs	96,417	520,584	1,791,380	29 %	(1,270,796)
Total Transmission and Distribution	<u>450,765</u>	<u>2,132,216</u>	<u>5,837,003</u>	<u>37 %</u>	<u>(3,704,787)</u>
Administrative & Other Costs					
Engineering Consultants	0	0	50,000	0 %	(50,000)
Legal Expense	0	585	10,000	6 %	(9,415)
Special Legal/Engineering	46,109	250,233	300,000	83 %	(49,767)
Office Operations	38,779	197,804	425,609	46 %	(227,805)
Insurance	16,363	79,334	230,348	34 %	(151,014)
Special Expenses	6,234	442,635	976,000	45 %	(533,365)
Kern River GSA & SGMA	0	0	300,000	0 %	(300,000)
Construction Expense - Peripheral	0	0	0	0 %	0
Bond Interest Expense	0	57,380	106,986	54 %	(49,606)
FMV Adjustment	(30,519)	(45,406)	0	0 %	(45,406)
Depreciation	52,500	262,500	0	0 %	262,500
Total Administrative & Other	<u>129,466</u>	<u>1,245,065</u>	<u>2,398,943</u>	<u>52 %</u>	<u>(1,153,878)</u>
Total Expenses	<u>592,286</u>	<u>5,700,528</u>	<u>13,800,296</u>	<u>41 %</u>	<u>(8,099,768)</u>
Net Fav/(Unfav) Operating Results	<u>139,670</u>	<u>(229,961)</u>	<u>717,551</u>	<u>(32) %</u>	<u>(947,512)</u>

KERN DELTA WATER DISTRICT

Labor and Benefits Tracker

2024

[illegible][illegible][illegible]

KERN DELTA WATER DISTRICT

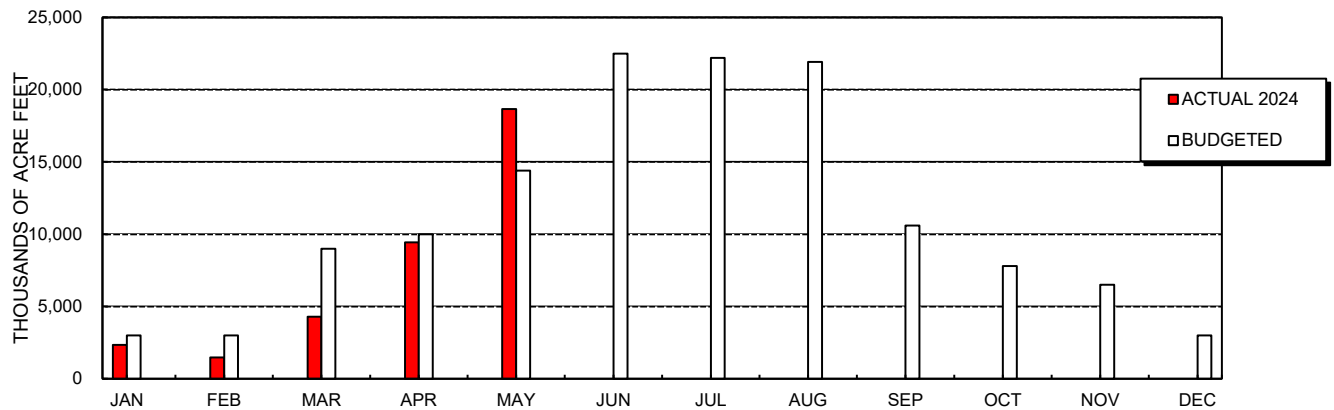
TREASURER'S REPORT

May 2024

	2024	2023	2022	2021
Cash & Securities on hand - May 1, 2024	\$ 26,407,836	\$ 21,446,529	\$ 22,227,995	\$ 22,558,879
Add: May receipts	563,117	548,007	355,449	383,115
Less: May disbursements	(623,560)	(522,963)	(616,244)	(477,627)
Cash & Securities on hand - May 31, 2024	\$ 26,347,393	\$ 21,471,573	\$ 21,967,200	\$ 22,464,367
Petty Cash \$ 500				
Citizens Business Bank 360,916				
Kern County Treasury 413,016				
JP Morgan Money Market 3,903,503				
LPL Financial 21,669,457				
\$ 26,347,393				
Restricted Reserves:				
Restricted Reserve Fund - Water Resources Manager	\$ (235,000)	\$ (272,915)	\$ (300,000)	\$ (300,000)
Unrestricted Reserves:				
Pipeline Maintenance	(311,912)	(216,912)	(216,912)	(213,845)
Water Rights Protection & Litigation Reserve	(3,408,358)	(3,168,358)	(2,718,358)	(2,746,648)
2015-A COP Reserve Fund	(3,325,000)	(3,565,000)	(4,015,000)	(4,015,000)
Operating Reserve	(5,000,000)	(5,000,000)	(5,000,000)	(5,000,000)
Capital Reserve	(2,000,000)	(2,000,000)	(2,000,000)	(2,000,000)
Groundwater Program Reserve	(3,500,000)	(3,500,000)	(3,500,000)	(3,500,000)
Total Reserves	\$ (17,780,271)	\$ (17,723,185)	\$ (17,750,270)	\$ (17,775,493)
Cash Available - May 31, 2024	\$ 8,567,122	\$ 3,748,388	\$ 4,216,930	\$ 4,688,874

**Kern Delta Water District
Monthly Water Sales Volume
in Acre Feet**

	2023	2024										
	Actual (Accum- ulated)	Budgeted		Actual								
		Monthly	(Accum- ulated)	Monthly				Accumulated				% of Budget
				Utility	State	Contracts	Total	Utility	State	Contracts	Total	
JAN	2,560	3,000	3,000	2,229	0	114	2,343	2,229	0	114	2,343	78%
FEB	6,738	3,000	6,000	1,356	0	115	1,471	3,585	0	229	3,814	64%
MAR	8,465	9,000	15,000	3,864	2	420	4,287	7,449	2	649	8,100	54%
APR	22,049	10,000	25,000	8,998	106	330	9,434	16,447	108	979	17,534	70%
MAY	45,308	14,400	39,400	17,817	444	404	18,665	34,264	553	1,383	36,200	92%
JUN	72,318	22,500	61,900									
JUL	107,829	22,200	84,100									
AUG	130,881	21,929	106,029									
SEP	144,263	10,600	116,629									
OCT	152,046	7,800	124,429									
NOV	157,262	6,500	130,929									
DEC	158,607	3,000	133,929									



KERN DELTA WATER DISTRICT

Aged Accounts Receivable

Past Due Accounts

June 18, 2024

Account		Name	0-30 Days	31-60 Days	61-90 Days	Over 90 Days	Total Past Due
725	DK Farms		1,228.47	-	-	-	1,228.47
5864	Rodd Living Trust		695.72	-	-	-	695.72
5977	Mike Vandborg Farms		1,047.73	-	-	-	1,047.73
	OTHER		92.17	1.95	1.92	128.21	224.25
			3,064.09	1.95	1.92	128.21	3,196.17

Kern Delta Water Banking Project
Balance Sheet
As of May 31, 2024

	<u>05/31/2024</u>	<u>04/30/2024</u>	<u>Month-to-Month Variance</u>
Total Assets			
Current Assets			
Cash & Cash Equivalents	7,682,353	6,766,304	916,049
Due From MWD	4,918,148	4,918,148	0
Other Receivables	0	147,912	(147,912)
Inventory and Prepaids	83,098	95,902	(12,804)
Total Current Assets	<u>12,683,599</u>	<u>11,928,266</u>	<u>755,333</u>
Fixed Assets			
All Structures	64,756,837	64,744,468	12,369
Machinery and Equipment	598,824	598,824	0
Less Accumulated Depreciation	<u>(13,188,074)</u>	<u>(13,134,073)</u>	<u>(54,000)</u>
Fixed Assets Net of Depreciation	<u>52,167,587</u>	<u>52,209,219</u>	<u>(41,631)</u>
Other Assets			
Investment in Sunset Banking Project	1,638,344	1,638,344	0
Total Other Assets	<u>1,638,344</u>	<u>1,638,344</u>	<u>0</u>
Total Assets	<u>66,489,530</u>	<u>65,775,829</u>	<u>713,702</u>
Total Liabilities & Equity			
Current Liabilities			
Accounts Payable	1,067	2,023	(956)
Total Current Liabilities	<u>1,067</u>	<u>2,023</u>	<u>(956)</u>
Equity			
Capital Contributions From KDWD	9,527,537	9,527,537	0
Equity From Past Years	56,731,021	56,731,021	0
Accumulated Equity - Current Year	229,905	(484,752)	714,658
Total Equity	<u>66,488,463</u>	<u>65,773,806</u>	<u>714,658</u>
Total Liabilities & Equity	<u>66,489,530</u>	<u>65,775,829</u>	<u>713,702</u>

Kern Delta Water Banking Project
Cash Variance Analysis
May 31, 2024

Cash Received:

Received From KDWD	102,606
Received From ID#4 - CVC Ops/Power	45,306
Received From KCWA - CVC Prior Years O&M Credit	748,753
Interest Received	47,398
	944,062

Cash Disbursed:

Weed Chemicals Purchased	(2,404)
Sierra Hydrographics - SCADA	(14,350)
Weed Control Labor by Others	(7,095)
PG&E - Well Power	(1,022)
Equipment Maintenance	(2,142)
	(27,014)

Positive/(Negative) Cash Variance Before FMV Adjustment	917,048
--	----------------

FMV Adjustment to Kern County Funds	(999)
--	--------------

Adjusted Positive/(Negative) Cash Variance	916,049
---	----------------

**Kern Delta Water Banking Project
Inventory/Prepays Variance Analysis
May 31, 2024**

Additions to Accounts:

Chemicals Purchased	3,471
Prepaid Additions	-
	3,471

Usage/Amortization:

Chemicals Consumed During Month	(16,275)
Amortization of Prepaid Accounts	-
	(16,275)

Net positive/(negative) variance	(12,804)
---	-----------------

**Kern Delta Water Banking Project
Statement of Operating Results
As of May 31, 2024**

	<u>Current Month</u>	<u>Year to Date</u>
REVENUE:		
Miscellaneous Revenue	8,125	8,125
Interest Revenue	47,397	123,498
Total Revenue	<u>55,522</u>	<u>131,623</u>
 EXPENSES		
Other Costs		
Power Cost - Wells	981	4,666
CVC Operating Costs	(740,628)	(561,802)
CVC Power Costs	0	2,397
Spreading OM&R	25,512	150,982
Wells OM&R and Other	0	36,195
FMV Adjustment	1,000	(720)
Depreciation	54,000	270,000
Total Other Costs	<u>(659,135)</u>	<u>(98,282)</u>
Total All Expenses	<u>(659,135)</u>	<u>(98,282)</u>
Favorable/(Unfavorable) Operating Results	<u>714,657</u>	<u>229,905</u>

KERN DELTA WATER BANKING PROJECT

TREASURER'S REPORT

May 2024

	2024	2023	2022	2021
Cash & Securities on hand - May 1, 2024	\$ 6,766,304	\$ 7,868,169	\$ 7,602,214	\$ 7,534,941
Add: May receipts	944,062	44,516	1,274,035	5,062
Less: May disbursements	(28,013)	(328,629)	(153,747)	(333,445)
Cash & Securities on hand - May 31, 2024	\$ 7,682,353	\$ 7,584,056	\$ 8,722,502	\$ 7,206,558
Citizens Business Bank \$ 1,274,356 Kern County Treasury 238,679 JP Morgan Money Market 4,890,647 LPL Financial 1,278,672 <u>\$ 7,682,353</u>				
Restricted Cash included in above: OM&R Spreading	\$ (251,841)	\$ (81,495)	\$ (177,032)	\$ (365,591)
OM&R Extraction	(488,484)	(583,270)	(587,240)	(555,198)
Take/Put Fees	(2,827,711)	(6,014,124)	(2,805,905)	(1,464,681)
Total Restricted	\$ (3,568,037)	\$ (6,678,889)	\$ (3,570,177)	\$ (2,385,470)
Cash Available for Construction - May 31, 2024	\$ 4,114,316	\$ 905,167	\$ 5,152,326	\$ 4,821,090

Sunset Water Banking Project
Balance Sheet
As of May 31, 2024

	<u>05/31/2024</u>	<u>04/30/2024</u>	<u>Month-to-Month Variance</u>
Assets			
Current Assets			
Cash & Cash Equivalents	1,270,909	1,271,104	(194)
Due From Banking Partners	32,277	0	32,277
Total Current Assets	<u>1,303,186</u>	<u>1,271,104</u>	<u>32,083</u>
 Fixed Assets			
Construction in Progress	5,308,583	5,308,582	0
Total Fixed Assets at Cost	<u>5,308,583</u>	<u>5,308,582</u>	<u>0</u>
Net Fixed Assets	<u>5,308,583</u>	<u>5,308,582</u>	<u>0</u>
 Total Assets	 <u>6,611,769</u>	 <u>6,579,686</u>	 <u>32,083</u>
 Liabilities & Equity			
Current Liabilities			
Accounts Payable	0	0	0
Total Current Liabilities	<u>0</u>	<u>0</u>	<u>0</u>
 Equity			
Contributions to Equity - KDWD	1,627,928	1,627,928	0
Contributions to Equity - KDWBP	1,627,929	1,627,929	0
Contributions to Equity - AEWSD	3,255,856	3,255,856	0
Equity From Past Years	41,663	41,663	0
Accumulated Equity - Current Year	58,393	26,310	32,083
Total Equity	<u>6,611,769</u>	<u>6,579,686</u>	<u>32,083</u>
 Total Liabilities & Equity	 <u>6,611,769</u>	 <u>6,579,686</u>	 <u>32,083</u>

**Sunset Water Banking Project
Statement of Operating Results
As of May 31, 2024**

	<u>Current Month</u>	<u>Year to Date</u>
Revenue		
Fees Revenue-KDWD	273	273
Fees Revenue - AEWS	32,004	32,004
Interest Revenue	3,714	14,397
Total Revenue	<u>35,991</u>	<u>46,674</u>
Expenses		
FMV Adjustment	3,908	(11,719)
Total Expenses	<u>3,908</u>	<u>(11,719)</u>
Fav/(Unfav) Operating Results	<u>32,083</u>	<u>58,393</u>

SUNSET BANKING PROJECT

TREASURER'S REPORT

May 2024

	2024	2023	2022	2021
Cash & Securities on hand - May 1, 2024	\$ 1,271,104	\$ 3,118,177	\$ 420,142	\$ -
Add: May receipts	3,714	54,575	515	-
Less: May disbursements	(3,908)	-	(167,168)	-
Cash & Securities on hand - May 31, 2024	\$ 1,270,909	\$ 3,172,752	\$ 253,488	\$ -
Citizens Business Bank 340,719 Kern County Treasury 930,191 \$ 1,270,909				
Unrestricted Reserves: Cash From Operations				
Total Reserves	\$ -	\$ -	\$ -	\$ -
Cash Available - May 31, 2024	\$ 1,270,909	\$ 3,172,752	\$ 253,488	\$ -

Kern Delta Water District Summary of Invested Cash Reserves
US Treasury Investment Summary
As of May 31, 2024

Acquistion Date	Maturity Date	Quantity (Q)	Par Value (PV)	Customer Price (P)	Principal (Prin) (Q x P)	Accrued Interest (AI)	Service Charge	Net Money (NM) (Prin + AI)	Coupon Rate (CR)	Coupon Interest (Cou)	Discount Returned (Disc) (PV - Prin)	Estimated Total Yield (Y) (Cou + Disc)	YTM	Value at Maturity (Prin + EYV)
10/28/2022	1/24/2023	999	999,000	991.61	990,615.59	-	5	990,621	0.000%	-	8,384	8,384	3.511%	999,000
10/28/2022	1/26/2023	999	999,000	991.32	990,328.68	-	5	990,334	0.000%	-	8,671	8,671	3.551%	999,000
10/28/2022	7/13/2023	1,000	1,000,000	971.80	971,803.96	-	5	971,809	0.000%	-	28,196	28,196	4.105%	1,000,000
10/28/2022	8/10/2023	1,000	1,000,000	968.43	968,427.19	-	5	968,432	0.000%	-	31,573	31,573	4.161%	1,000,000
10/14/2022	9/30/2023	1,000	1,000,000	987.39	987,390.00	1,105.77	5	988,501	2.875%	27,647	12,610	40,257	4.240%	1,027,647
10/14/2022	9/30/2023	1,000	1,000,000	972.49	972,490.72	528.85	5	973,025	1.375%	13,223	27,509	40,732	4.355%	1,013,223
10/14/2022	9/30/2023	1,000	1,000,000	961.80	961,803.13	96.15	5	961,904	0.250%	2,404	38,197	40,601	4.390%	1,002,404
11/7/2022	2/15/2024	3,000	3,000,000	975.38	2,926,130.00	18,831.52	5	2,944,967	2.750%	105,103	73,870	178,973	4.801%	3,105,103
11/7/2022	4/30/2024	3,000	3,000,000	962.00	2,886,005.00	1,160.22	5	2,887,170	2.000%	88,603	113,995	202,598	4.754%	3,088,603
10/14/2022	10/15/2024	1,000	1,000,000	929.20	929,205.00	3,107.92	5	932,318	0.625%	12,106	70,795	82,901	4.606%	1,012,106
10/14/2022	10/31/2024	1,000	1,000,000	960.50	960,507.24	10,210.60	5	970,723	2.250%	44,568	39,493	84,061	4.418%	1,044,568
10/14/2022	10/31/2024	1,000	1,000,000	945.55	945,553.94	6,807.07	5	952,366	1.500%	29,712	54,446	84,158	4.493%	1,029,712
7/26/2023	1/31/2025	2,000	2,000,000	964.10	1,928,191.18	24,309.39	5	1,952,506	2.500%	76,027	71,809	147,836	4.946%	2,076,027
7/26/2023	4/15/2025	2,000	2,000,000	962.15	1,924,305.00	14,631.15	5	1,938,941	2.625%	90,369	75,695	166,064	4.993%	2,090,369
8/16/2023	7/31/2025	1,000	1,000,000	916.08	916,084.79	108.70	5	916,198	0.250%	4,850	83,915	88,765	5.067%	1,004,850
10/18/2023	10/15/2025	3,000	3,000,000	985.27	2,955,829.07	1,045.08	5	2,956,879	4.250%	253,258	44,171	297,429	5.052%	3,253,258
2/20/2024	1/31/2026	3,000	3,000,000	995.00	2,985,005.00	7,005.50	5	2,992,016	4.250%	253,258	14,995	268,253	4.512%	3,253,258
5/24/2024	5/31/2026	3,505	3,505,000	923.54	3,237,023.67	12,640.98	5	3,249,670	0.750%	52,216	255,134	307,350	4.767%	3,544,374
				23,505,000	16,781,704.89									

Fixed Income CDs Investment Summary
As of May 31, 2024

Purchase Date	Maturity Date	Days to Maturity	Quantity/ Price	Service Charge	Net Amount	YTM	Expected Interest
5/23/2023	11/2/2024	529	250,000	5	250,001.65	4.850%	17,573
5/18/2023	11/5/2024	537	250,000	5	250,001.48	5.050%	18,574
5/25/2023	11/25/2024	550	250,000	5	250,001.65	5.100%	19,212
5/25/2023	11/25/2024	550	250,000	5	250,001.65	5.050%	19,024
5/26/2023	11/26/2024	550	250,000	5	250,001.66	5.050%	19,024
5/30/2023	11/29/2024	549	250,000	5	250,001.71	4.950%	18,613
5/19/2023	2/19/2025	642	250,000	5	250,002.09	4.850%	21,327
5/31/2023	4/30/2025	700	250,000	5	250,002.74	4.750%	22,774
5/19/2023	5/19/2025	731	250,000	5	250,002.48	4.850%	24,283
5/24/2023	5/22/2025	729	250,000	5	250,002.70	4.850%	24,217
5/24/2023	5/23/2025	730	250,000	5	250,002.70	4.850%	24,250
5/26/2023	5/26/2025	731	250,000	5	250,002.53	4.650%	23,282
5/24/2023	5/27/2025	734	250,000	5	250,002.52	4.850%	24,383
5/24/2023	5/27/2025	734	250,000	5	250,002.52	4.850%	24,383
5/30/2023	5/30/2025	731	250,000	5	250,002.55	4.950%	24,784
6/2/2023	6/2/2025	731	250,000	5	250,002.58	4.850%	24,283
5/24/2024	6/5/2026	742	250,000	5	250,005.00	5.000%	25,411
5/24/2024	6/1/2026	738	250,000	5	500,004.99	5.000%	25,274

4,500,000	4,750,045.20	400,671
Total Invested Funds at Cost	21,531,750.09	
Cash Balance	137,707.17	
	21,669,457.26	

Kern Delta Water Banking Project
Fixed Income CDs Investment Summary
As of April 30, 2024

Purchase Date	Maturity Date	Days to Maturity	Quantity/ Price	Service Charge	Net Amount	YTM	Expected Interest
5/31/2023	12/2/2024	551	250,000	5	250,001.72	5.100%	19,247
5/31/2023	12/2/2024	551	250,000	5	250,001.72	5.100%	19,247
5/31/2023	12/2/2024	551	250,000	5	250,001.72	5.100%	19,247
5/30/2023	5/30/2025	731	250,000	5	250,002.55	4.850%	24,283
5/31/2023	5/30/2025	730	250,000	5	250,002.59	4.950%	24,750

106,775

Total Invested Funds at Cost	1,250,010.30
Cash Balance	28,661.58
	1,278,671.88

Tab IV





**OPERATIONS AND PROJECTS
COMMITTEE MEETING**

501 Taft Highway
Bakersfield, CA

TUESDAY June 4, 2024

CANCELED

The June 4, 2024 Operations and Projects Committee Meeting has been canceled.



To: Kern Delta Water District Board of Directors

From: Daniel Deleon

Date: June 18th, 2024

Re: Encroachment Permit Applications & Easement Requests

DISCUSSION:

Following are the organizations that have applied for an encroachment permit with Kern Delta Water District and a summary of their intended locations and purposes for encroaching.

Organization: PG&E

Location: Farmers Canal – Old River Road

Purpose: Install gas pipeline underneath canal

Anticipated Start Date: TBD

Organization: Charter Communications

Location: Eastside Canal – 30th Street

Purpose: Install overhead fiber using existing utility poles

Anticipated Start Date: TBD

Organization: PowerPlus!

Location: Romero Basins

Purpose: Install temporary power line for school construction project

Anticipated Start Date: TBD

Maintenance Report

May 2024

1. **Structure and Turnout Repairs.** The following jobs were completed during the month.
 - a. Replaced turnout structure, gate and pipe (No. 219) on the BV.
 - b. Installed new meter on at turnout 107 on the Kern Island.
 - c. Installed steel slide plates on BV structure (No. 290) for over pour reading.
 - d. Repaired Central canal by weir 540 due to leak, also fixed erosion on the outer bank due to farmer removing old pipeline.
 - e. Stopped gopher hole leak on Burness Ditch.
 - f. Cleaned Eastside crossings from the Railroad Weir to the Hamilton Weir.
 - g. Used a long reach excavator to remove sand from the BV canal from Stockdale Highway Ming Ave.
 - h. Wedge boards in place at Sunset Basins.
2. **Shop.** The following jobs were completed during the month;
 - a. Normal service and repairs on District vehicles and equipment.
 - b. Repair mower implement (T-15)
 - c. Prep truck #235 by installing, toolbox, floor mats, and lighting.
 - d. Serviced district fire extinguishers.
 - e. Serviced motor-grader (#403).
 - f. Replaced front window on truck #221.
 - g. Repaired boom on spray truck (#326) and service timing chain.
3. **District Wells.**
 - a. Monthly service and inspection of all District wells, clean well pads as needed.
4. **Motor Grader # 403** The following canals were sloped, and roads graded;
 - a. Stine Canal.
 - b. BV Canal from the head to Taft Hwy.
5. **Backhoe # 402** The following jobs were completed during the month;
 - a. No jobs this month
6. **Backhoe # 404** The following jobs were completed this month;
 - a. Assist with turnout replacement (No. 219) on the BV Canal
 - b. Stop leak on the Central.
7. **Backhoe # 408** The following jobs were completed this month;
 - a. Clean East Branch and removed burnt trees from ditch.
 - b. Remove sand from inlet and outlets of BV at Howell and Camino Media.
 - c. Stopped gopher hole leak on the Stine at the bladder.
 - d. Stopped gopher hole leak on the Burness Ditch.
 - e. Cleaned Canfield Ditch and mucked out first section.

8. **Weed Spraying.** The following canals were sprayed during the month;
 - a. All the East Branch Canal.
 - b. The outer banks of the Eastside Canal and inner banks as needed.
 - c. BV Canal from I-5 south.
 - d. Spot sprayed the Central Canal.
9. **Aquatic Treatments.** Treatments including surface spraying for algae mats and injection treatments for control of algae or vascular aquatic weeds;
 - a. One treatment on the Kern Island with Cascade for curly leaf, sago, horn weed.
 - b. One treatment on the Central with Teton (algae & elodea).
 - c. Surface sprayed Randall and 18 North and South (algae & elodea).
 - d. Two treatments on Eastside for algae.
10. **Rodent Control**
 - a. Filled bait stations.
11. **Trash Removal.**
 - a. Clean trash racks throughout District.
 - b. Removed trash left behind from homeless encampments.
 - c. Removed wood and thick foam (used to float stolen things across canal) from the Railroad and Hamilton Weirs.
12. **Fence Repairs.** Fences and Gates were repaired at the following locations;
 - a. Stine Canal- White Lane and Ash Rd.
 - b. Central Canal- Union Ave and Wilson Rd.
 - c. Eastside Canal- Williams St and Sterling Rd.
 - d. Kern Island Canal- Columbus St.
 - e. Branch 1- White Ln.
 - f. BV Canal- Reattached wood on south gate on Howell Street.
 - g. Farmers Canal- Seasons Dr. and Harris Rd.
13. **Safety Meetings.** Weekly tailgate safety topics were;
 - a. Being Respectful To Coworkers – respect and trust and good communication improve safety at worksites.
 - b. Success Through Reaching Potential – success is the fulfillment of potential.
 - c. Hydration, The Importance of Water – water serves very important purposes to our bodies and our bodily functions.
 - d. Heat Stress – workers who are exposed to extreme heat or work in hot environments may be at risk of heat stress.
 - e. Company Quarterly Safety Meeting- Fire Extinguishers types, sizes, and demonstration.
14. **Water Banking Activities.** The following jobs were completed during the month;
 - a. Spot treated basins with herbicides.
 - b. Mowed BV and Old River Basins (too wet on big cell).

15. Future Projects Projects.

- a. Repair eroded levees at the Kern Island and Stonefield Basins
- b. Shop Repairs; Replace roof, install catwalks to service swamp coolers, and enclose bay to repurpose as a fab shop, extend electrical, and extend alarm service to new bay.



Project No.	Tract	Developer/Owner	Facility	Location	Engineer/Contractor	Plans Received	Plan Check Comments	Status	Brief Description/Comment
1	N/A	AEWSD	FFP/Eastide Canal	Eastside Canal	Provost & Pritchard	-	-	A	Overhead power and modifications to intertie.
2	7405	Balfanz	Central Branch	North of Planz	Porter & Associates, Inc.	-	-	U	Panama Lane northern extension.
3	N/A	BCSD	Eastside Canal	34th Street	Porter & Associates, Inc.	01-May-24	-	R	In review
4	N/A	Bidart Dairy	14 Ditch	Head of 14 Ditch	SA Camp	-	-	R	Overhead power
5	N/A	Caballero	East Branch Canal	South of Panama Ln	Caballero	-	-	R	Waiting on plans.
6	N/A	Cal Water	Kern Island Canal	Multiple	Pacific Irrigation	-	-	U	Well discharges into District canals.
7	N/A	Cal Water	East Branch Canal	Terrace Way		-	-	R	Well discharge into canal.
8	N/A	Caltrans	Multiple	Multiple	Caltrans	-	-	R	Culvert extensions of multiple District canals along Taft Hwy.
9	7136	Deertrail/D.R. Horton	Stine Canal	North of McCutchen	McIntosh & Associates	27-Mar-24	-	R	Canal realignment.
10	N/A	Dosanjh Bros.	Eastside Canal	South of Mt. View Road	Pacific Irrigation	-	-	U	Install new turnout.
11	N/A	HP LLC	Multiple	Multiple	HP LLC	-	-	U	Fiber line crossing, two locations (34th St and White Ln).
12	N/A	KDWD	Old River Basins	Old River Basins	Zeiders Consulting	-	-	R	New recovery well.
13	N/A	KDWD	Sunset Basins	Sunset Basins	Zeiders Consulting	-	-	A	Pump installation, electrical wiring.
14	6880	Lennar	Branch II Canal	West of Gosford Road	McIntosh & Associates	-	-	A	Swale and stormdrain inlet boxes remain.
15	6873	LGI	Branch II Canal	East of Gosford Road	McIntosh & Associates	-	-	A	Canal realignment and pipeline.
16	N/A	MPS Construction Mgm	Kern Island Canal	South of Hosking Ave	Dewalt	12-Mar-24	-	R	Southerly box culvert extension.
17	N/A	Newhouse Dairy	BV East Canal	North of Bear Mt. Blvd	SA Camp	13-Mar-24	-	R	Install irrigation line underneath canal.
18	N/A	Panama BVUSD	Randall Ditch	East of Stine Road	-	-	-	U	Waiting on plans.
19	N/A	Panama BVUSD	Randall Ditch	West of Stine Road	Cornerstone Engineering	-	30-Jan-24	R	Canal realignment and pipeline.
20	N/A	Panama BVUSD	Randall Ditch	Stine Road	PG&E	01-May-24	01-May-24	R	In review
21	N/A	PG&E	Farmers Canal	Old River Road	PG&E	-	-	U	Waiting on plans.
22	N/A	PG&E	Central Branch	Ming Avenue	PG&E	-	-	U	Waiting on plans.
23	N/A	PG&E	Branch II Canal	McCutchen Road	PG&E	30-Apr-24	01-May-24	R	Waiting for insurance and permit fee.
24	N/A	Pilot Truck Stop	Branch One Canal	Taft Highway	LAV//Pinnacle	-	-	R	Canal realignment and pipeline.
25	6410	S&S Homes	Burnes Ditch	North of Taft Hwy	McIntosh & Associates	09-Nov-24	26-Feb-24	R	Taft Hwy culvert extension and new culvert at future street.
26	N/A	Unknown	Kern Island Canal	22nd Street	QK	-	-	U	Storm drain discharge. Waiting on plans.
27	N/A	AEWSD	Sunset Basins	Sunset Basins	Provost & Pritchard	-	-	C	Overhead power line construction.
28	N/A	Cal Water	Kern Island Canal	N Street	Caltrans	-	-	C	Install water line underneath canal.
29	N/A	County of Kern	Eastside Canal	Buena Vista Blvd	Nicholas Construction	-	-	C	Repair Eastside Canal road crossing.
30	N/A	KDWD	Stine Canal	South of Stine Road	Mr. Backhoe	-	-	C	Stine Canal dredging.
31	N/A	KDWD	Multiple	Multiple	Ruben's Pipeline	-	-	C	Branch One and Kern Island Canal dredging.
32	N/A	KDWD	Drain and Rim	East of Union	Cross Land Leveling	-	-	C	Drain and Rim Ditch dredging.
33	N/A	KDWD	Central Branch	South of Panama Ln	IWS	-	-	C	Install traveling water screens.
34	N/A	Love's Truck Stop	Kern Island Canal	Taft Highway	Lane Engineers	-	-	C	Storm drain bore scheduled for April 15th, 2024
35	N/A	Love's Truck Stop	Kern Island Canal	Taft Highway	Lane Engineers	-	-	C	Culvert extension.
36	N/A	PG&E	Eastside Canal	North of 30th Street	PG&E	-	-	C	Utility bridge removal
37	N/A	Pilot Truck Stop	Branch One Canal	Taft Highway	PowerPlus!	-	-	C	Temporary overhead power line construction.
38	N/A	Vanden Berge Dairy	Stine Canal	Vanden Berge Dairy	SA Camp	-	-	C	Overhead power line construction.

A-Active, in Construction
R - Under Review
U- Unknown
C - Complete

Tab V



KERN DELTA WATER DISTRICT

June 13, 2024

	6/13/2024	Last Year
KERN RIVER 3 DAY MEAN INFLOW	2,186 CFS	6,860 CFS
KERN RIVER MEAN OUTFLOW	2,156 CFS	6,574 CFS
ISABELLA RESERVOIR STORAGE	409,604 ACFT	456,374 ACFT
REQUESTED OUTFLOW	2,085 CFS	6,450 CFS

Estimated: (CFS)

KDWD DAILY DIVERTED: (JUNE 13, 2024)	@HEAD	STATE	XCHNG	BANKING
KERN ISLAND	418	0	0	0
EASTSIDE	51	0	0	0
BUENA VISTA -LEVEE	116	0	0	0
STINE	128	0	0	0
OTHER - River Channel	0	0	0	0
K.I. / A.E. Exchange Gate	0	0	0	0
STINE / A.E. Exchange Gate	0	0	0	0
EASTSIDE / A.E. Intertie	20	0	20	0
Total CFS	733	0	20	0

Estimated: (Acre Feet)

DIVERTED (MAY 2024)	UTILITY	STATE	PURCHASE	BANKING
KERN ISLAND	14,586	438	0	0
EASTSIDE	3,057	6	0	1,849
C.O.B. Misc.	0	0	0	0
BUENA VISTA	508	0	0	0
STINE	3,199	0	0	0
FARMERS	2,741	0	0	0
SOUTH FORK	0	0	0	0
West Side State Sale	0	0	0	0
MONTHLY TOTAL	24,091	444	0	1,849
YEAR TO MAY 31, 2024	70,813 ACFT	623	0	1,849
Year to May 31, 2024 Utility - State - Banking	73,285 ACFT			

ACFT. STORAGE BALANCE AS OF:	5/31/2024	Estimate 6/13/2024	Max Storage
KERN ISLAND	14,805	12,240	14,000
BUENA VISTA	10,891	10,423	11,000
STINE	11,700	10,747	9,000
FARMERS	12,184	12,667	6,000
STATE (23) Carryover	5,377	4,805	N/A
STATE (24) Contract	10,200	10,200	N/A
RRBWSO STORAGE	18,805	18,805	N/A
PIONEER PROJECT STORAGE (ODC)	45,938 (100,617)	45,938 (100,617)	N/A
TOTAL ACFT.	129,900	125,825	

K.D.W.D. CLIMATOLOGICAL OBSERVATION:

<u>70</u>	MINIMUM TEMPERATURE	<u>66</u>
<u>104</u>	MAXIMUM TEMPERATURE	<u>99</u>
<u>78</u>	PRESENT TEMPERATURE	<u>78</u>
<u>0.00</u>	PRECIPITATION - 24 HR. DAY	<u>0.00</u>
<u>0.00</u>	PRECIPITATION - MONTH	<u>0.00</u>
Seasonal <u>7.14</u>	YEAR TO DATE PRECIP.	<u>7.73</u> Seasonal

ISABELLA CLIMATOLOGICAL OBSERVATION:ISABELLA RESEVOIR:

LAKE ELEVATION (FT.)	2,590.59	MAY AC. FT. INFLOW	167,645
STORAGE ACFT.	409,604	MAY AC. FT. OUTFLOW	84,107
GROSS STORAGE CAPACITY	568,075	ACCUMULATIVE ACFT. INFLOW (23-24)	557,172
% OF CAPACITY	72%	ACCUMULATIVE ACFT. OUTFLOW	500,298
SEASONAL STORAGE CAPACITY	568,100	% OF SEASONAL CAPACITY	72%

Summary of Utility Water Diverted Year to Date: 5/31/2024

	Utility	North Kern	Other Exchanges
January	9,884	0	0
February	10,554	0	0
March	7,577	0	0
April	18,707	7,500	0
May	24,091	0	0
June			
July			
August			
September			
October			
November			
December			
Total	70,813	7,500	0

Summary of Other Water Diverted Year to Date: 5/31/2024

	State	Purchase	3rd Party Banking
January	0	0	0
February	0	0	0
March	73	0	0
April	106	0	0
May	444	0	1,849
June			
July			
August			
September			
October			
November			
December			
Total	623	0	1,849

Water owed to K.D.W.D as of: 5/31/2024

B.V.W.S.D. 2023 State Carryover*:	6,000
2024 State Contract: Table A	10,200

Summary of Total State Water Used Year to Date: 5/31/2024

	(OWED)	(USED)
2023 Contract	5,377	623
2024 Contract	10,200	0
Total	15,577	623

Quantities in acft. TOTAL 16,200

Net Owed to KDWD TOTAL 16,200

Maximum Annual State Carryover Balance: 6,000 acre feet

DISTRICT BANKING OPERATIONS

Thursday, June 13, 2024

KERN ISLAND PROJECTS

Branch 1:	-	CFS
Kern Island Met:	-	CFS
Other:	-	CFS
Total:	-	CFS

BUENA VISTA PROJECTS

BV North Basins:	-	CFS
Buena Vista I5:	-	CFS
Other:	-	CFS
Total:	-	CFS

FARMERS PROJECTS

Romero:	-	CFS
Stonefield:	-	CFS
Church:	-	CFS
Other:	-	CFS
Total:	-	CFS

EASTSIDE PROJECTS

Digiorgio:	-	CFS
Sunset:	10.0	CFS*
Other:	-	CFS
Total:	10.0	CFS

STINE PROJECTS

Old River:	-	CFS
Bladder & Triangles:	-	CFS
Other:	-	CFS
Total:	-	CFS

BANKING SUPPLIES

KDWD Utility:	-	CFS
AEWSD Project:	10.0	CFS*
Other:	-	CFS
Total In District:	10.0	CFS

Estimated: (Acre Feet)

				3RD PARTY	OPERATIONAL
DIVERTED FOR BANKING (MAY 2024)	UTILITY	STATE	PURCHASE	BANKING	RECHARGE
KERN ISLAND	0	0	0	0	3,590
EASTSIDE	0	0	0	1,849	0
BUENA VISTA	0	0	0	0	228
STINE	0	0	0	0	1,378
FARMERS	0	0	0	0	729
MONTHLY TOTAL	0	0	0	1,849	5,925
YEAR TO MAY 31, 2024	10,378 ACFT	0	0	1,849	25,545
Year to May 31, 2024 All Supplies	37,772 ACFT				

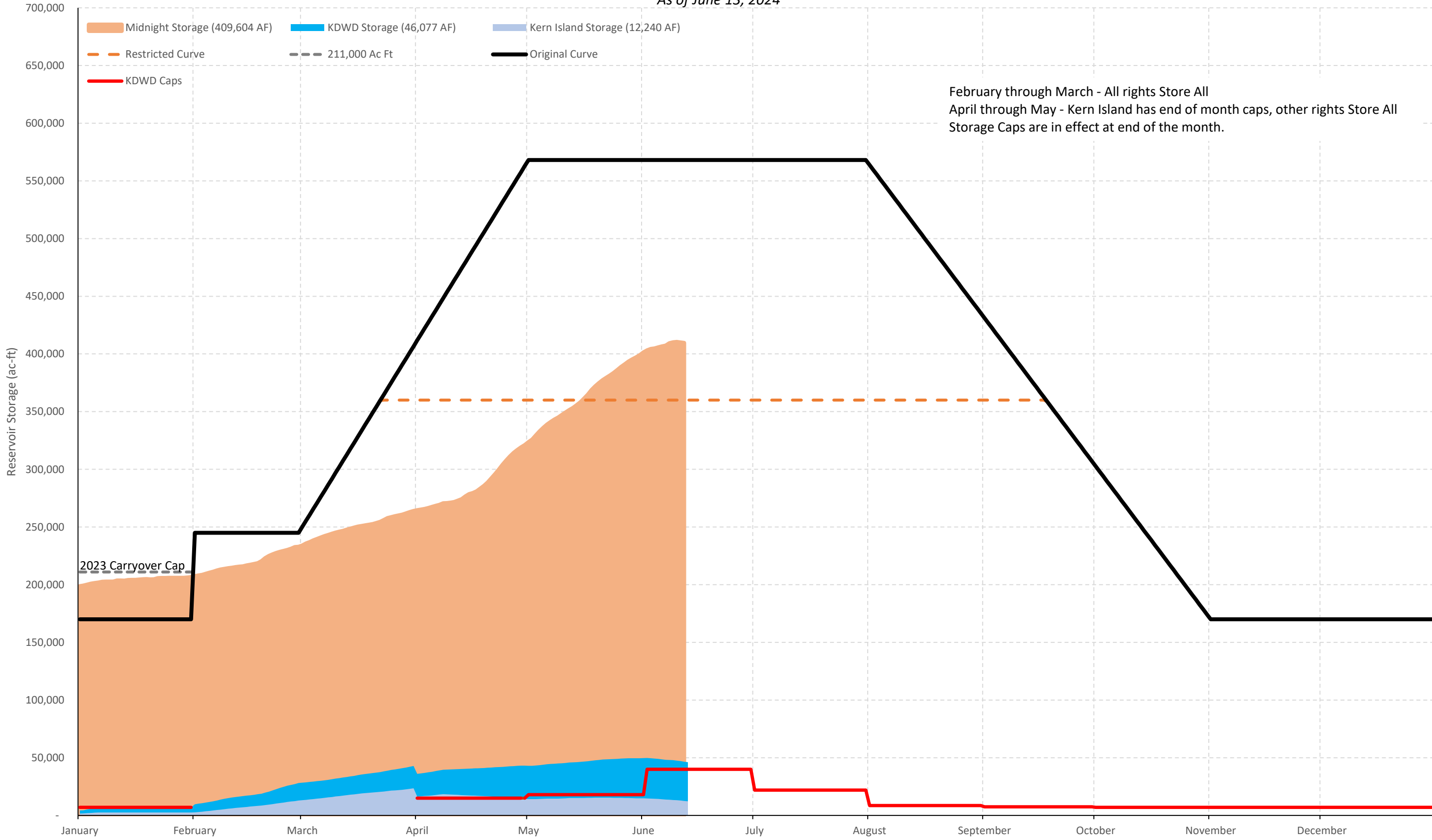
Summary of Spreading Year to Date: 5/31/2024

	Utility	State	Purchase	3 Pty Bk	Op. Re.
January	3,024	0	0	0	4,913
February	5,374	0	0	0	4,051
March	167	0	0	0	3,200
April	1,813	0	0	0	7,456
May	0	0	0	1,849	5,925
June					
July					
August					
September					
October					
November					
December					
Total	10,378	0	0	1,849	25,545

Facility Flow Rate Quick Reference

PROJECT	Fill (CFS)	Operational (CFS)		Acreage
		Summer	Winter	
Kern Island Met:	60	25	20	175
Branch 1:	18	18	5	75
Digiorgio:	30	15	10	70
Sunset:	TBD	TBD	TBD	140
BV North:	65	55	20	240
Buena Vista I5:	40	25	15	65
Old River:	40	30	TBD	145
Bladder & Triangles:	30	20	10	40
Romero:	45	40	15	170
Stonefield:	25	15	10	80
Church:	4	1	1	5
Total	357	244	106	1205

Midnight Lake Isabella Storage and Pool Restrictions
As of June 13, 2024

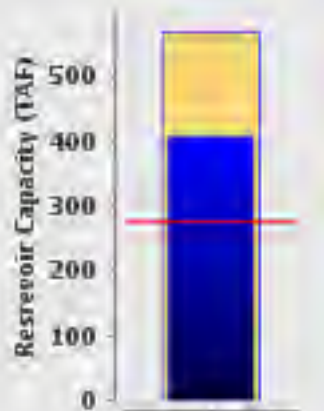


CURRENT RESERVOIR CONDITIONS



Isabella Lake Conditions

(as of Midnight - June 13, 2024)

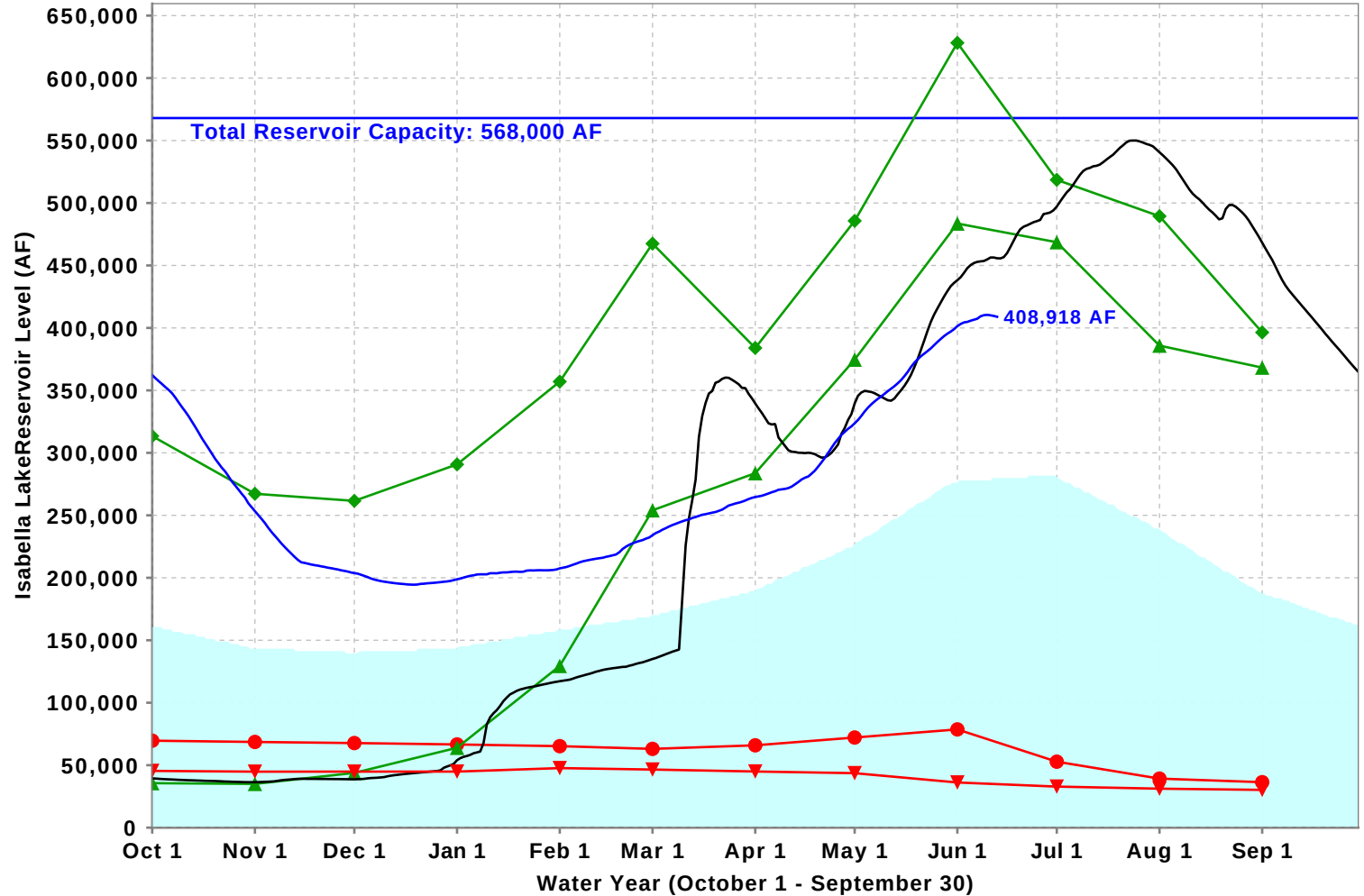


Current Level: 408,918 AF

72%
(Total Capacity)

147%
(Historical Avg.)

Isabella Lake Levels: Various Past Water Years and Current Water Year, Ending At Midnight June 13, 2024



Historical Average Total Reservoir Capacity 1976-1977 1977-1978 1982-1983 (Wettest) 2022-2023 2014-2015 (Driest) Current: 2023-2024

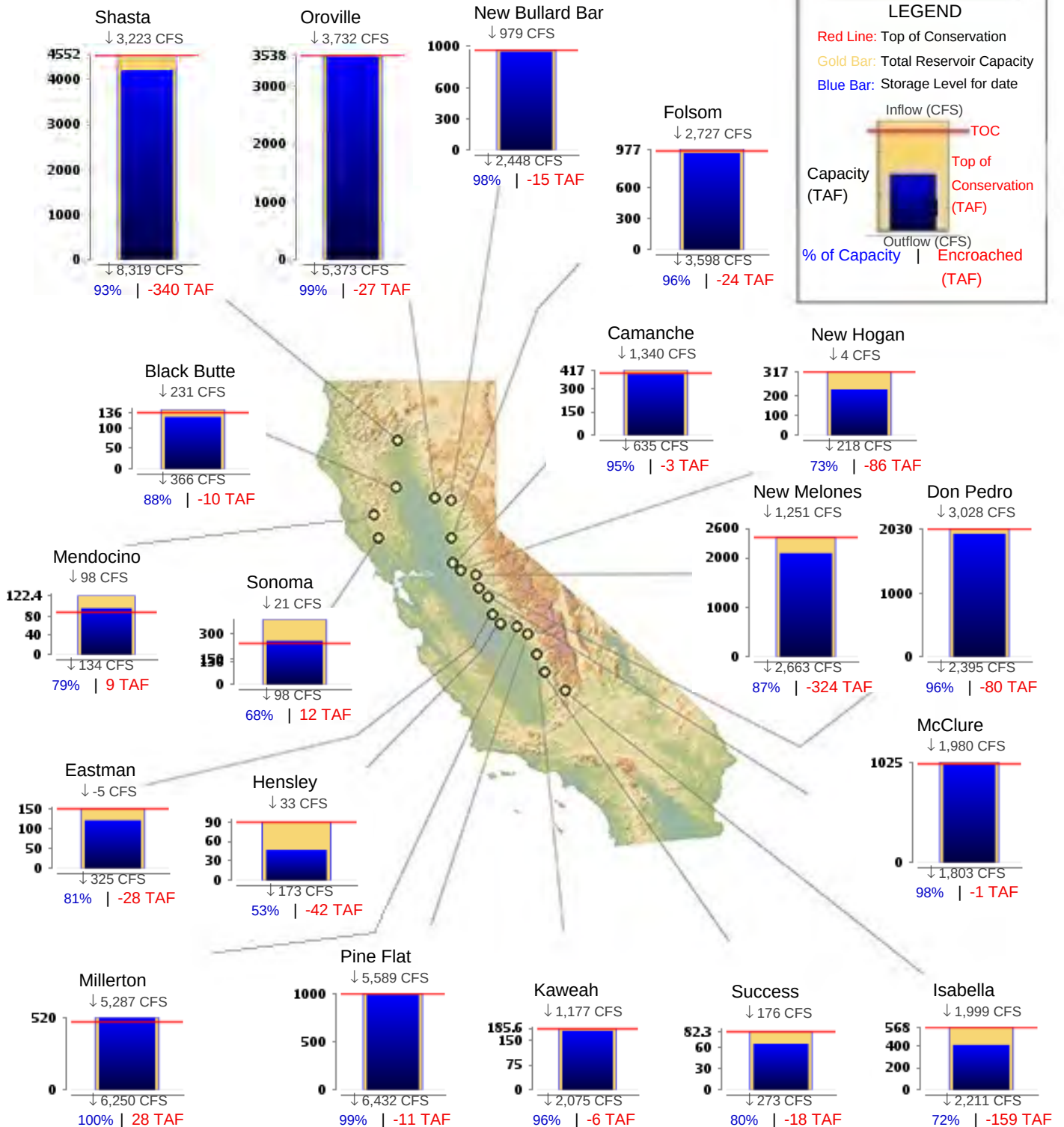


CURRENT RESERVOIR CONDITIONS

TOP OF CONSERVATION CONDITIONS (TOC)

Midnight - June 13, 2024

CENTRAL VALLEY RUSSIAN RIVER FLOOD CONTROL RESERVOIRS



APRIL-JULY FORECAST UPDATE SUMMARY (IN THOUSANDS OF ACRE-FEET)										
10% Exceedance	490	104	470	100	Average = 699					
Stanislaus River below Goodwin Res (blw New Melones)										
90% Exceedance	680	97	700	100						
50% Exceedance	720	103	730	104						
10% Exceedance	770	110	760	109						
Tuolumne River below La Grange Res (blw Don Pedro)					Average = 1,222					
90% Exceedance	1,130	92	1,140	93						
50% Exceedance	1,200	98	1,200	98						
10% Exceedance	1,300	106	1,270	104						
Merced River below Merced Falls (blw Lake McClure)										
90% Exceedance	600	96	610	97	Average = 627					
50% Exceedance	630	100	640	102						
10% Exceedance	690	110	670	107						
San Joaquin River below Millerton Lake										
90% Exceedance	1,150	94	1,220	99						
50% Exceedance	1,230	100	1,270	103	Average = 1,229					
10% Exceedance	1,320	107	1,330	108						
DAYS OF MONTH	JUNE 04		JUNE 11							
WATERSHED PERCENTILES	AJ VOL	% AVG	AJ VOL	% AVG	AJ VOL	% AVG	AJ VOL	% AVG	AJ VOL	% AVG
Kings River below Pine Flat Reservoir					Average = 1,204					
90% Exceedance	1,110	92	1,150	96						
50% Exceedance	1,170	97	1,210	100						
10% Exceedance	1,260	105	1,270	105						
Kaweah River below Terminus Reservoir										
90% Exceedance	245	89	265	96	Average = 276					
50% Exceedance	260	94	280	101						
10% Exceedance	285	103	300	109						
Tule River below Lake Success										
90% Exceedance	70	125	72	129						
50% Exceedance	75	134	76	136	Average = 56					
10% Exceedance	82	146	81	145						
Kern River, Inflow to Lake Isabella										
90% Exceedance	435	102	440	103						
50% Exceedance	460	108	460	108						
10% Exceedance	495	116	480	112	Average = 427					

NOTES

- Runoff forecasts are unimpaired (full natural) flows which represent the natural water production of the river basin, unaltered by upstream diversions, storage, or export or import of water to or from other watersheds.

WATER YEAR FORECAST SUMMARY AND MONTHLY DISTRIBUTION (IN THOUSANDS OF ACRE-FEET)														
WATERSHED	OCT THRU JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	WATER YEAR TOTAL	80% PROBABILITY RANGE 90% 10%		WY % AVERAGE	
American, Folsom	341	335	457	511	481	150	28	8	8	2,320		2,270	2,380	86
Cosumnes, Michigan Bar	56	85	129	82	44	12	3	1	1	413		404	425	106
Mokelumne, Pardee	65	66	95	155	202	82	11	2	2	680		655	705	89
Stanislaus, Goodwin	91	104	155	273	308	125	23	6	4	1,090		1,055	1,125	92
Tuolumne, La Grange	129	170	231	367	509	270	55	12	6	1,750		1,685	1,825	90
Merced, McClure	73	86	112	203	295	115	26	6	3	920		885	955	91
San Joaquin, Millerton	161	129	166	344	529	300	97	27	13	1,765		1,710	1,835	99
Kings, Pine Flat	140	92	113	270	533	310	97	27	13	1,595		1,530	1,665	95
Kaweah, Terminus	43	33	45	78	124	68	10	2	2	405		388	428	95
Tule, Success	29	20	27	34	29	10	3	0	0	151		147	159	114
Kern, Isabella	142	51	71	122	168	115	56	21	13	760		735	785	113

NOTES

- The averages are for the period 1991 to 2020.
- Unimpaired runoff represents the natural water production of a river basin, unaltered by upstream diversions, storage, or by export or import of water to or from other watersheds.
- Water year distributions and 90 and 10 percent exceedance water year forecasts from the February 1, March 1, April 1, and May 1 Bulletin 120 forecasts are official forecasts.
- Water year distributions and 90 and 10 percent exceedance water year forecasts from weekly Bulletin 120 Update forecasts are considered unofficial. Bulletin 120 Update forecasts are for conditions as of any day of the month other than the first of the month.

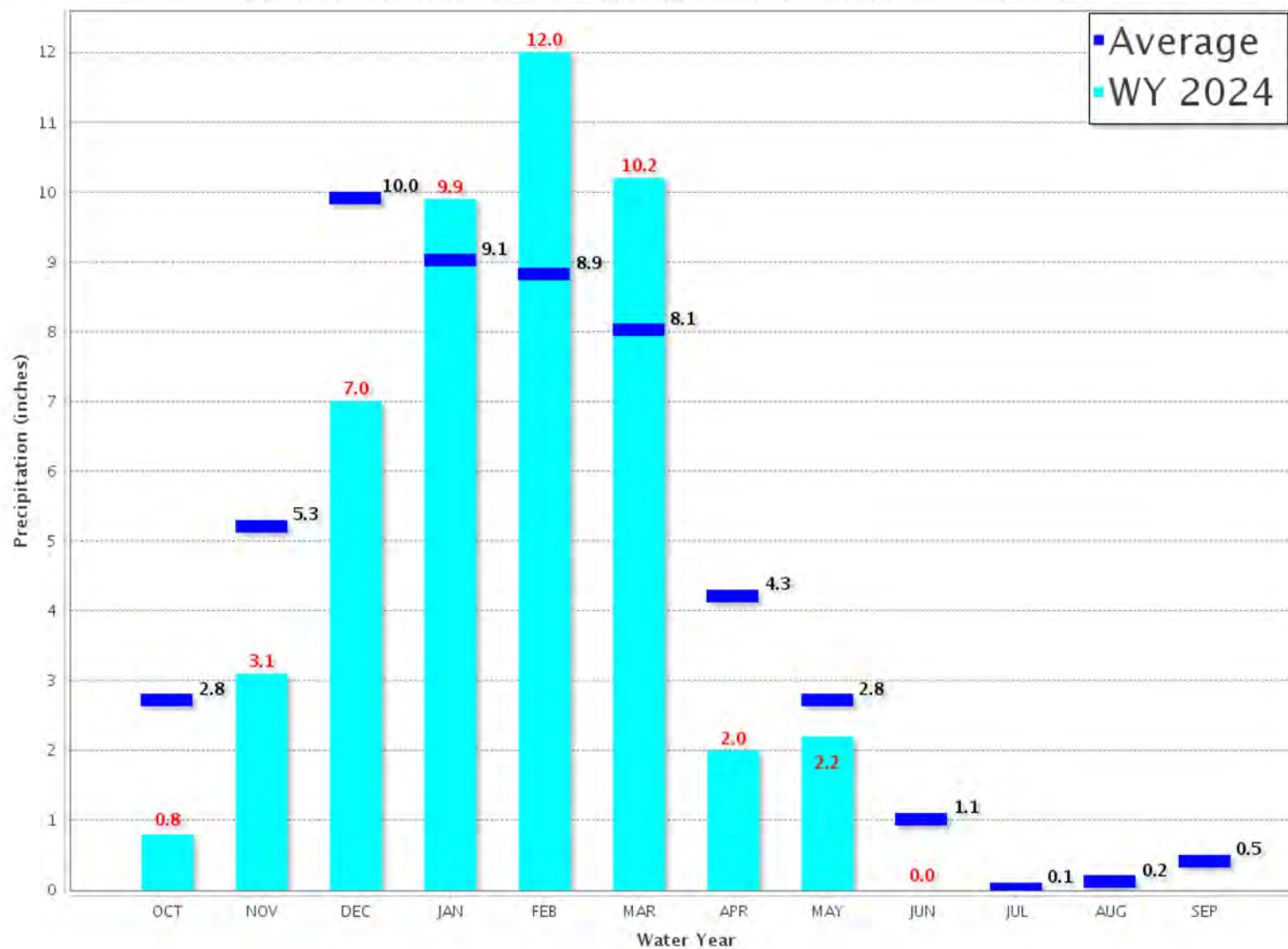


Northern Sierra 8-Station

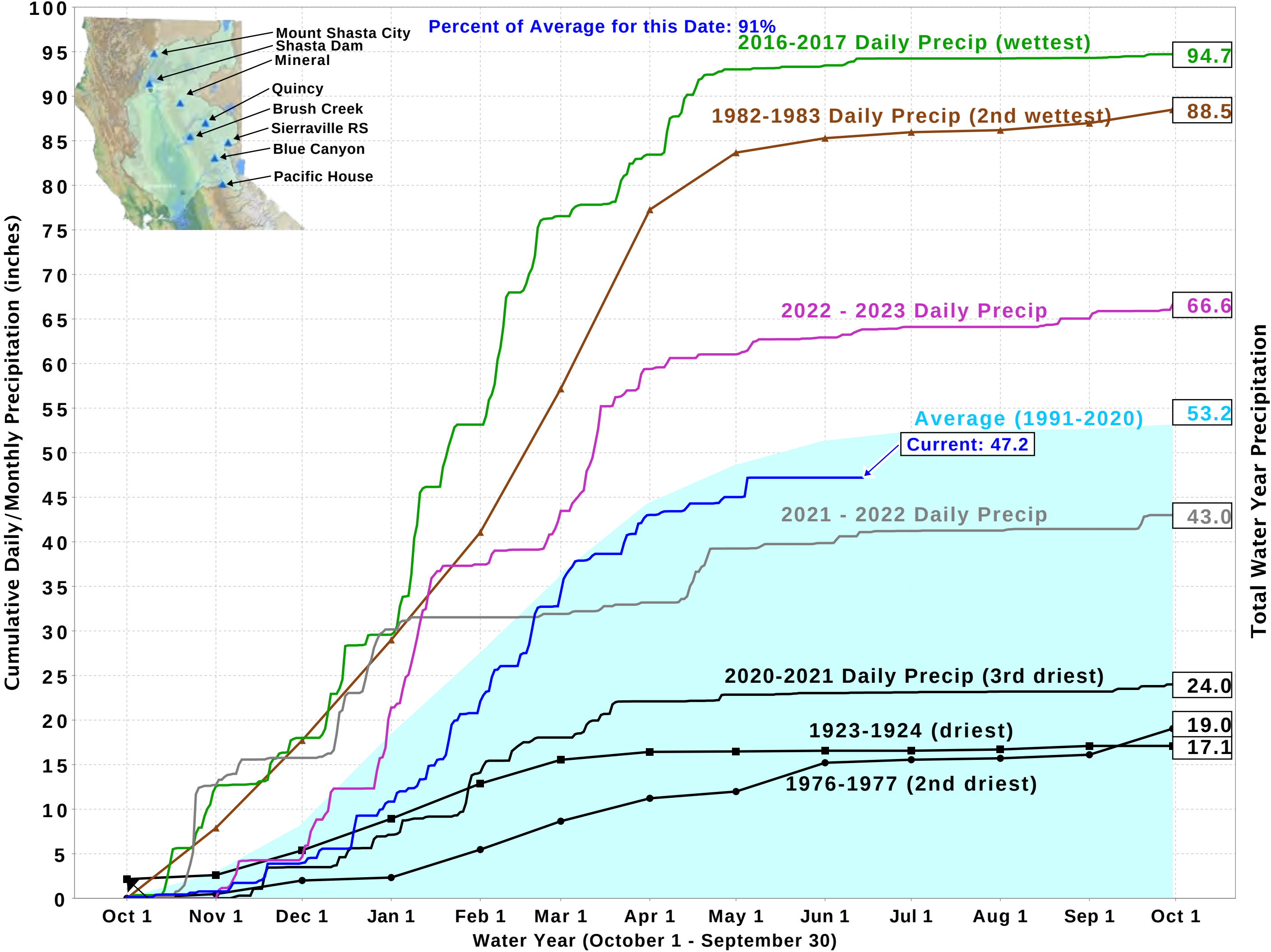
Precipitation Index for Water Year 2024 – Updated on June 14, 2024 09:48 PM

Note: Monthly totals may not add up to seasonal total because of rounding

Water Year Monthly totals are calculated based on Daily precipitation data from 12am to 12am PST



Northern Sierra Precipitation: 8-Station Index, June 14, 2024



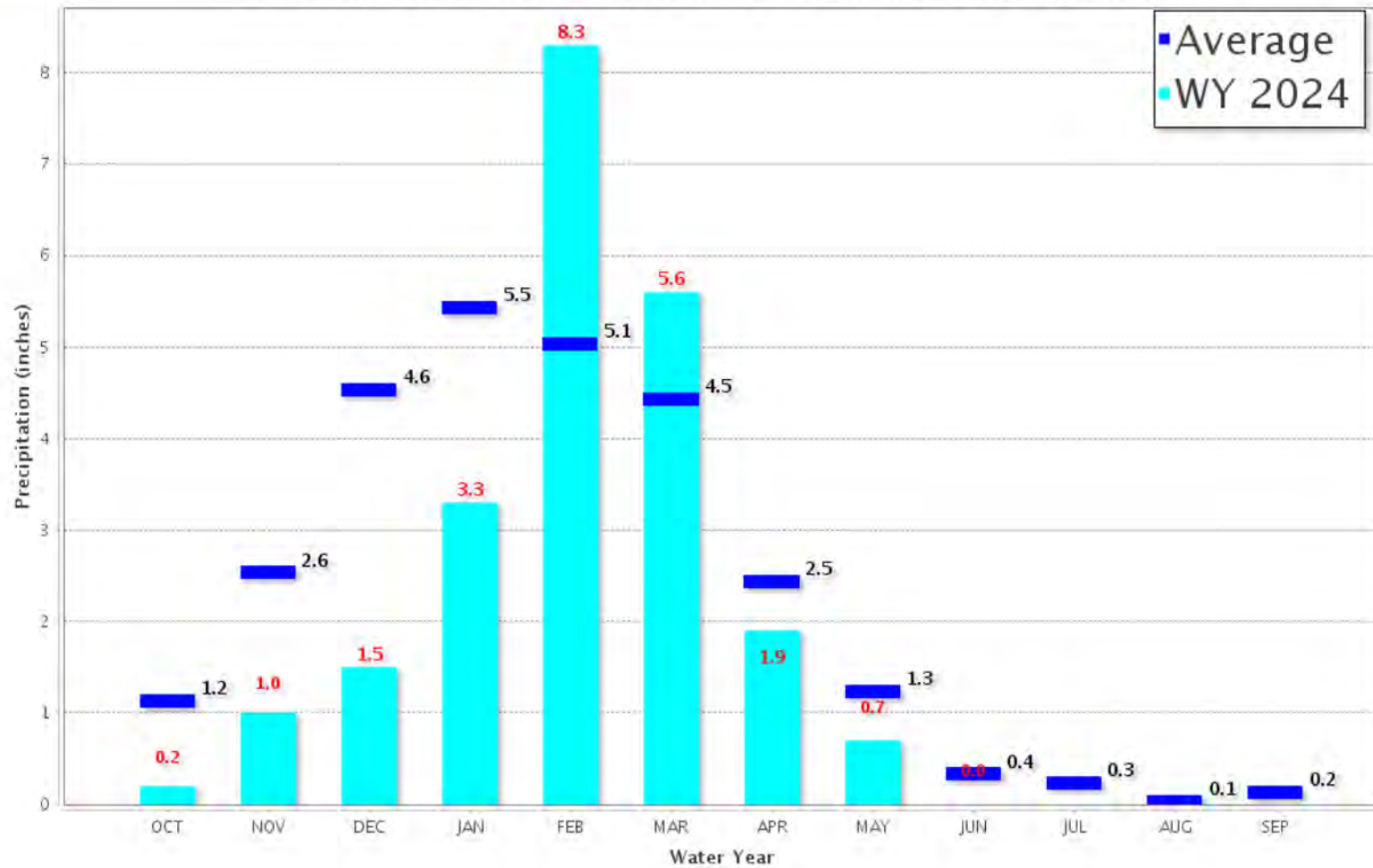


Tulare Basin 6-Station

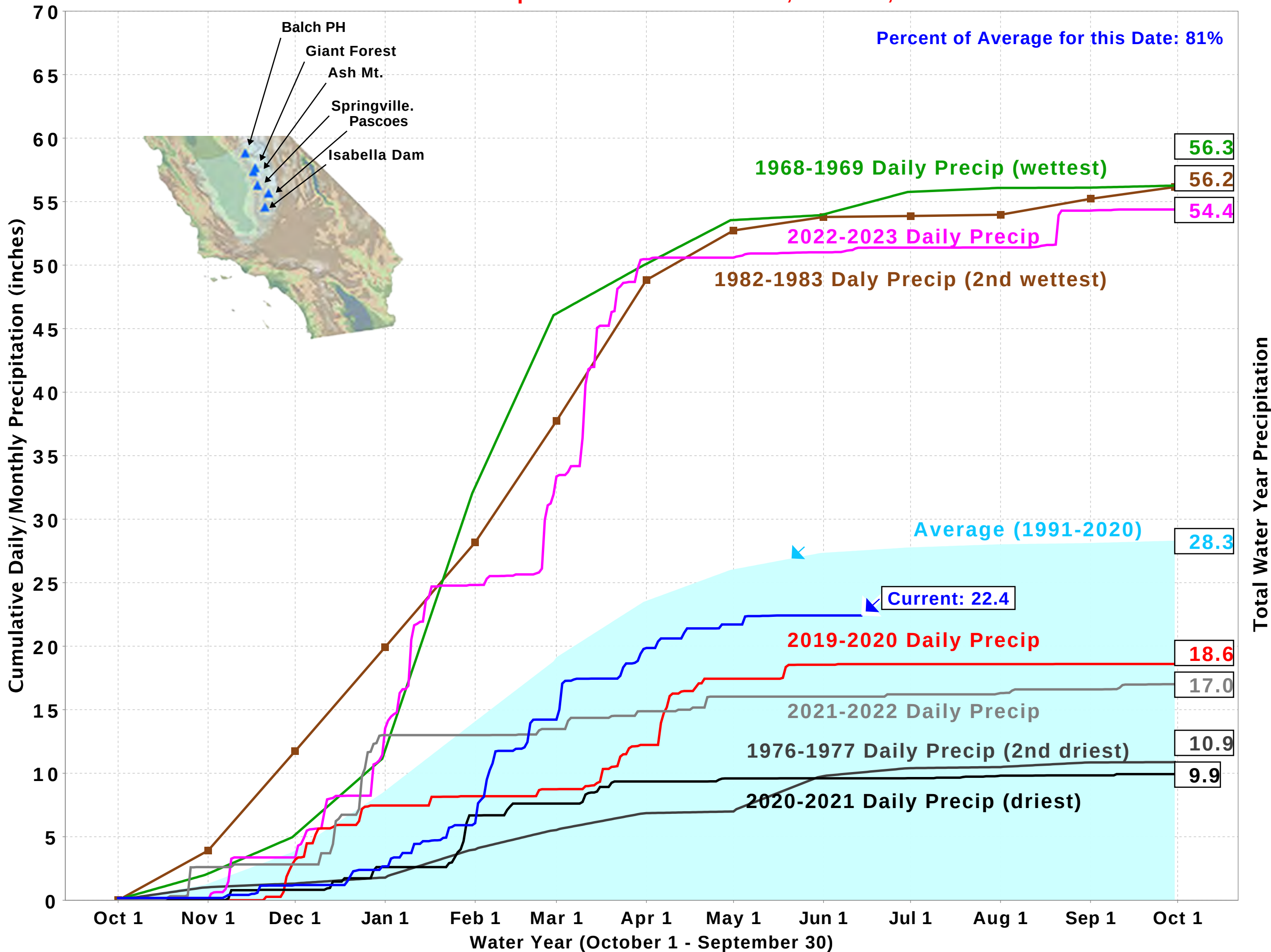
Precipitation Index for Water Year 2024 – Updated on June 14, 2024 09:49 PM

Note: Monthly totals may not add up to seasonal total because of rounding

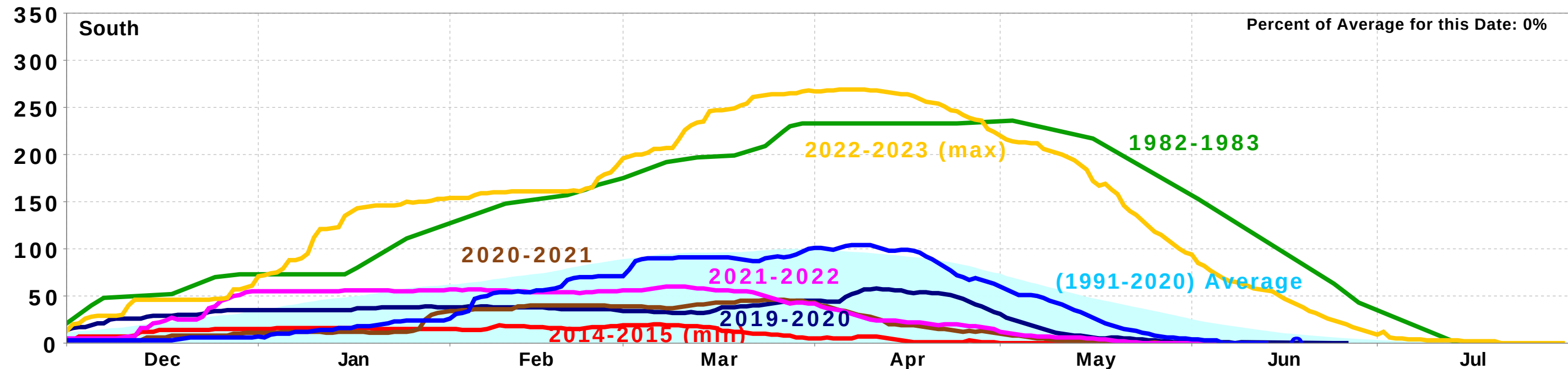
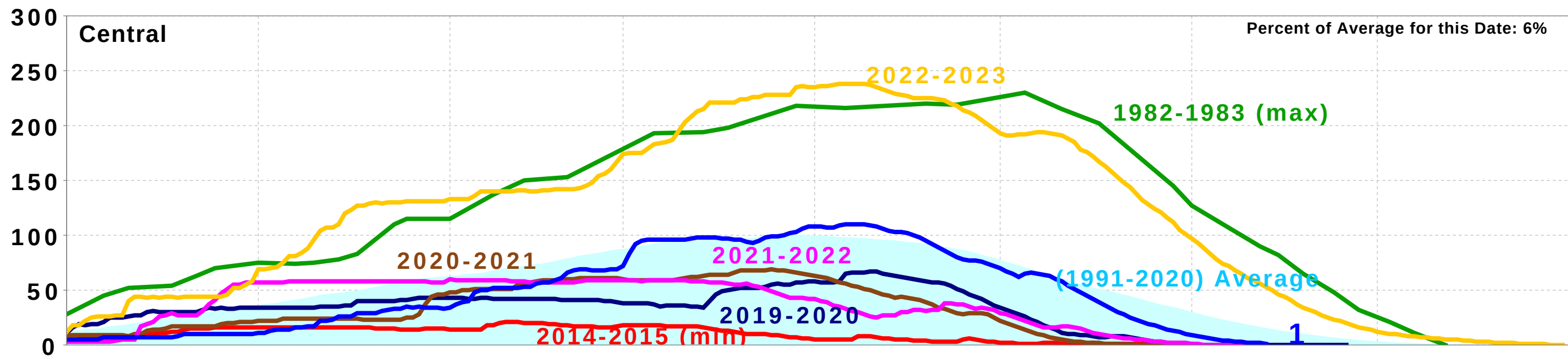
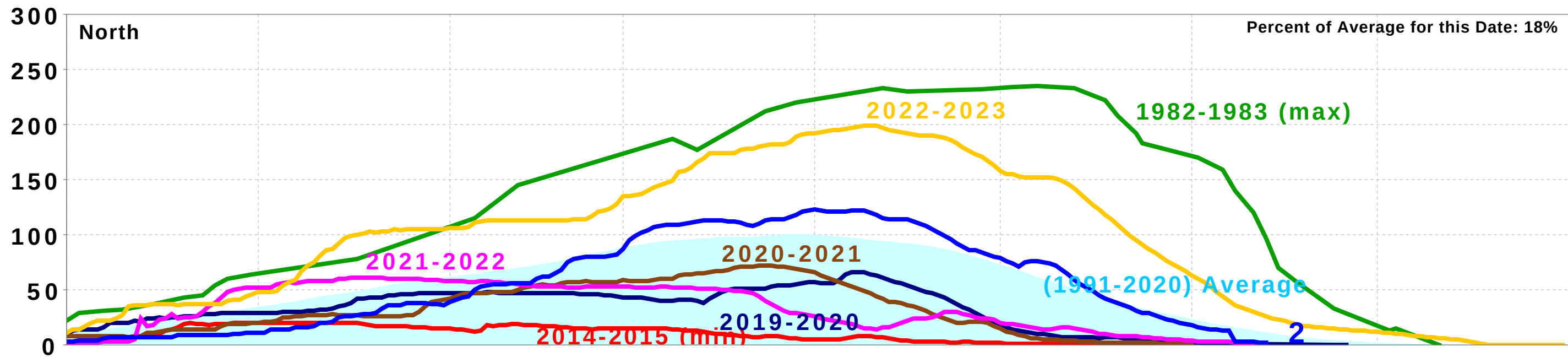
Water Year Monthly totals are calculated based on Daily precipitation data from 12am to 12am PST



Tulare Basin Precipitation: 6-Station Index, June 14, 2024



California Snow Water Content, June 13, 2024, Percent of April 1 Average



Statewide Percent of April 1: 1%

Statewide Percent of Average for Date: 7%



STATEWIDE SNOW WATER CONTENT

CURRENT REGIONAL SNOWPACK FROM AUTOMATED SNOW SENSORS

% of April 1 Average / % of Normal for This Date



NORTH

Data as of June 13, 2024

Number of Stations Reporting	26
Average snow water equivalent (Inches)	0.6
Percent of April 1 Average (%)	2
Percent of normal for this date (%)	18

CENTRAL

Data as of June 13, 2024

Number of Stations Reporting	49
Average snow water equivalent (Inches)	0.4
Percent of April 1 Average (%)	1
Percent of normal for this date (%)	6

SOUTH

Data as of June 13, 2024

Number of Stations Reporting	26
Average snow water equivalent (Inches)	0.1
Percent of April 1 Average (%)	0
Percent of normal for this date (%)	0

STATE

Data as of June 13, 2024

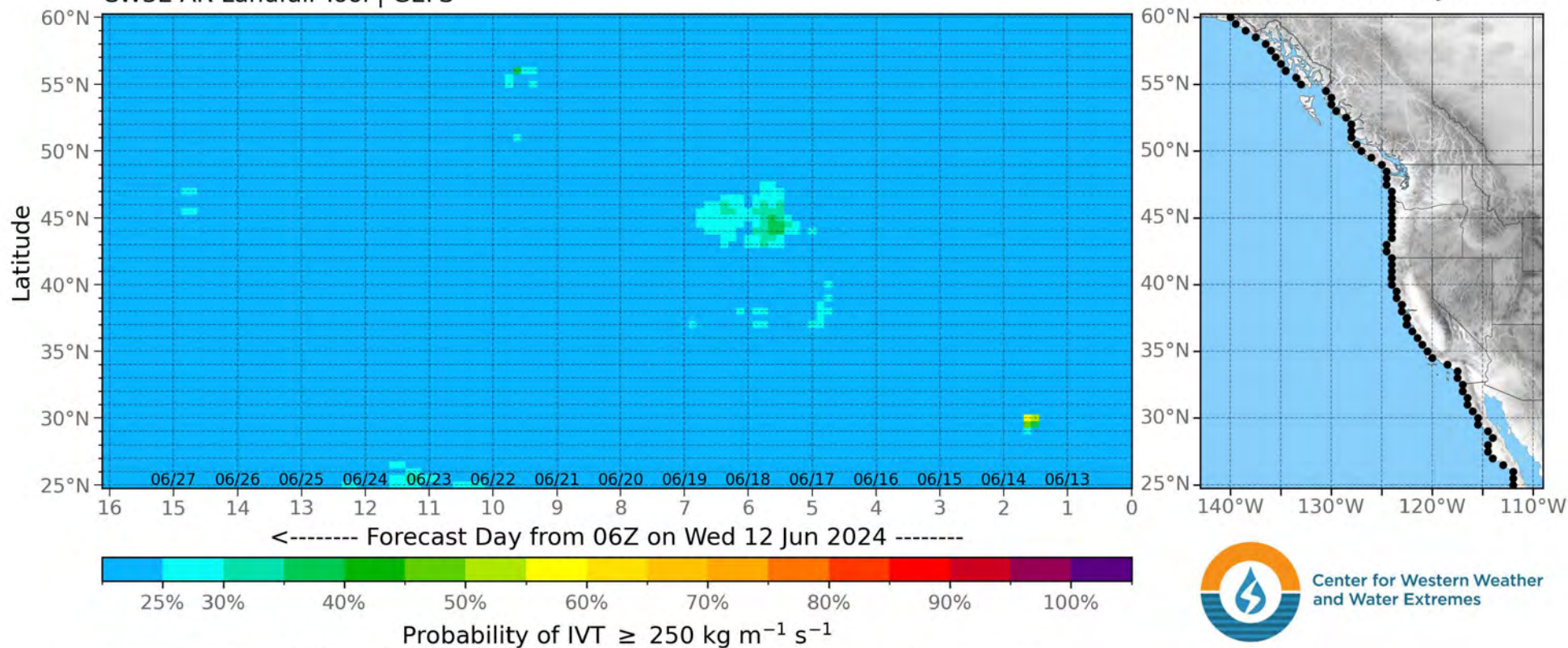
Number of Stations Reporting	101
Average snow water equivalent (Inches)	0.4
Percent of April 1 Average (%)	1
Percent of normal for this date (%)	7

Statewide Average: 1% / 7%

Data as of June 13, 2024

CW3E AR Landfall Tool | GEFS

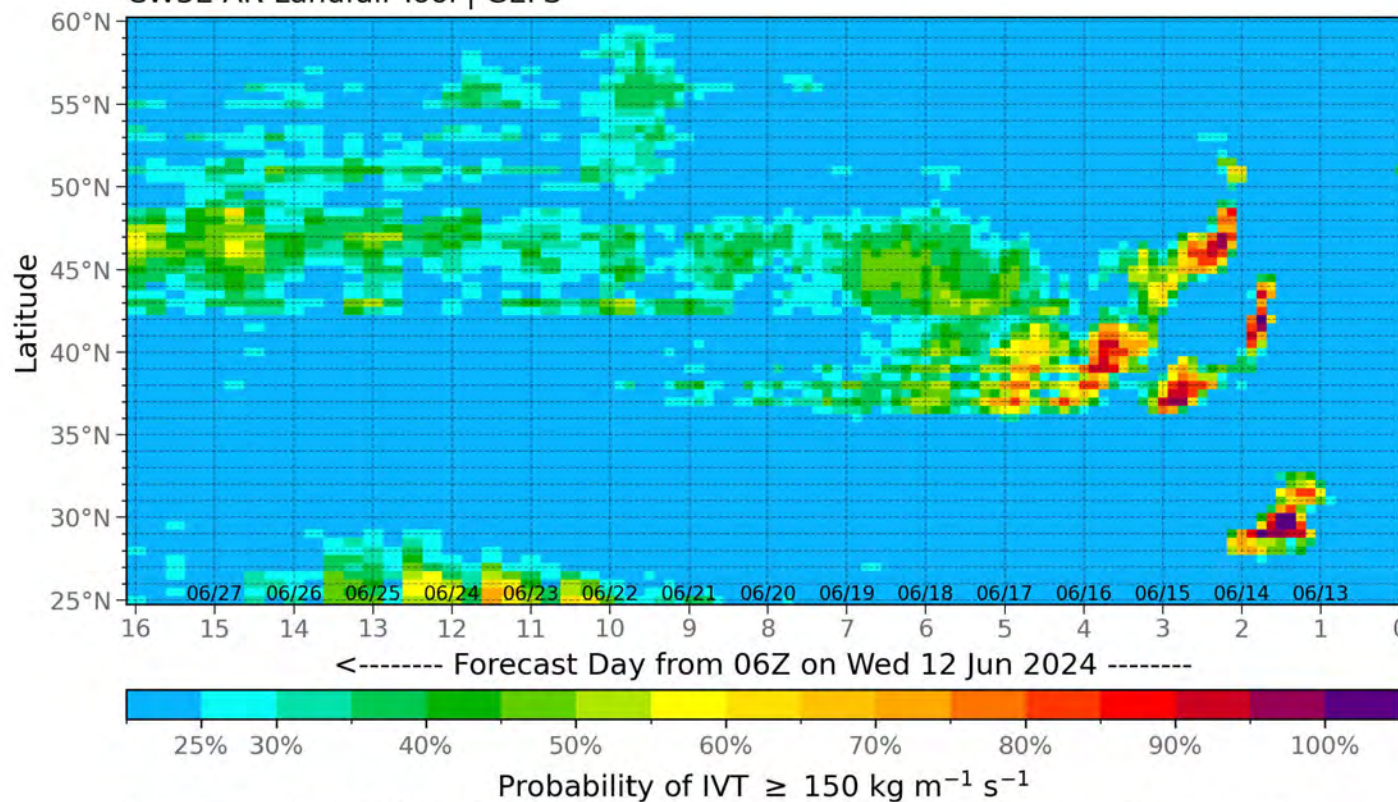
Model Run: 06Z Wed 12 Jun 2024



Forecasts support FIRO/CA-AR Program and NSF #2052972 | Intended for research purposes only

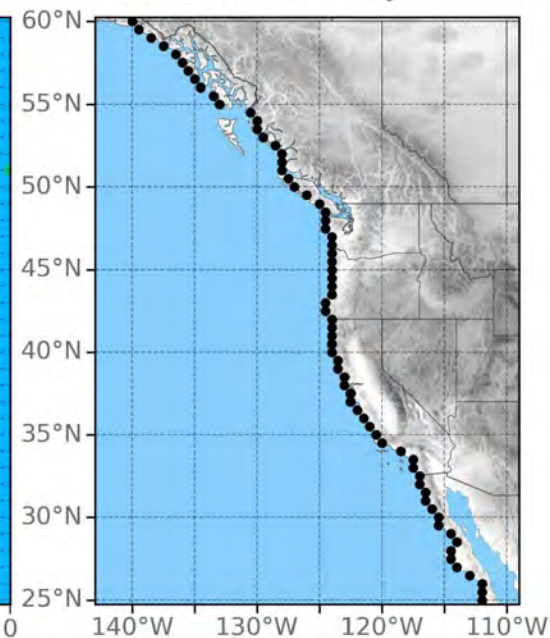


CW3E AR Landfall Tool | GEFS

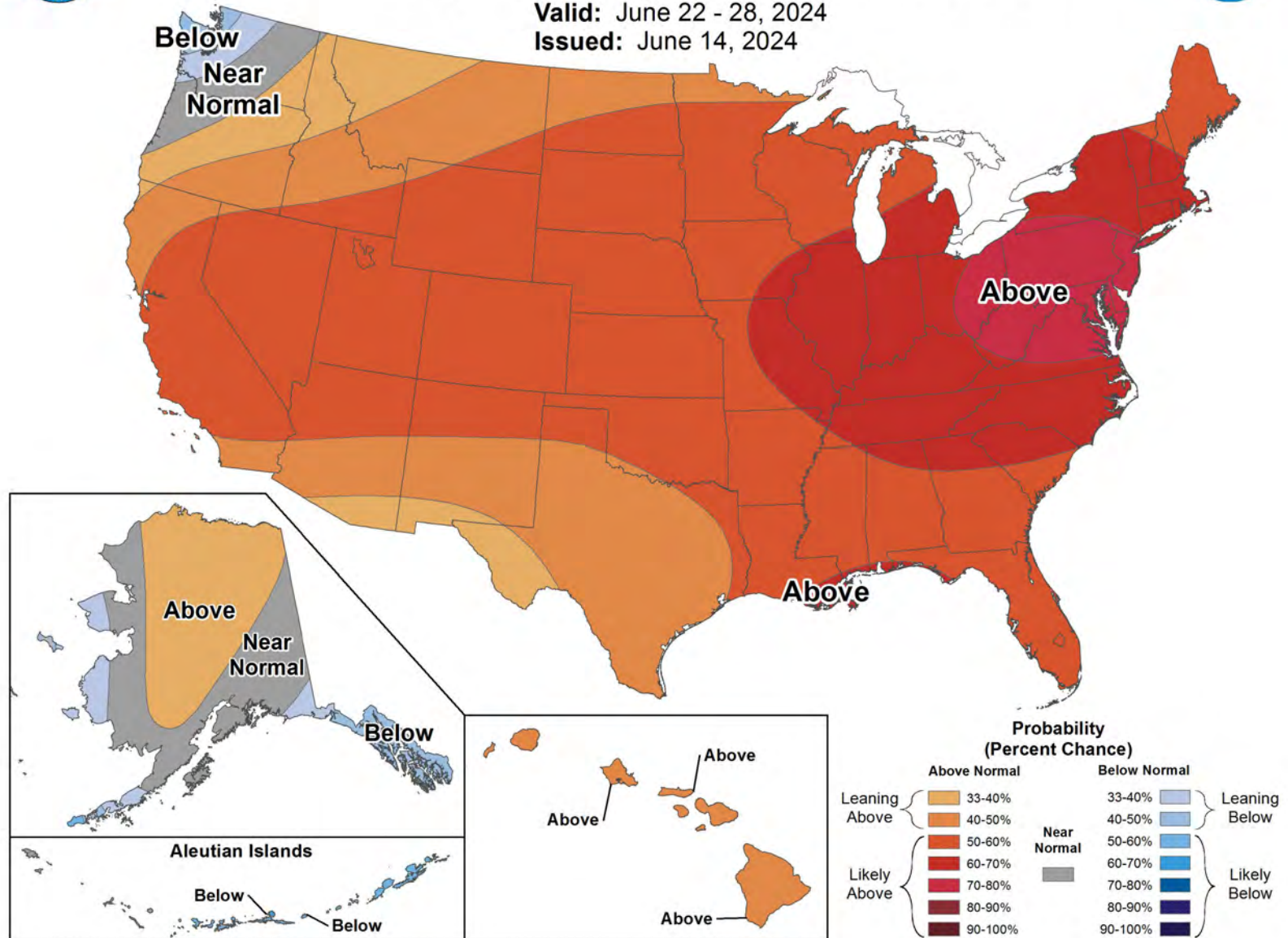
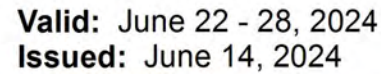


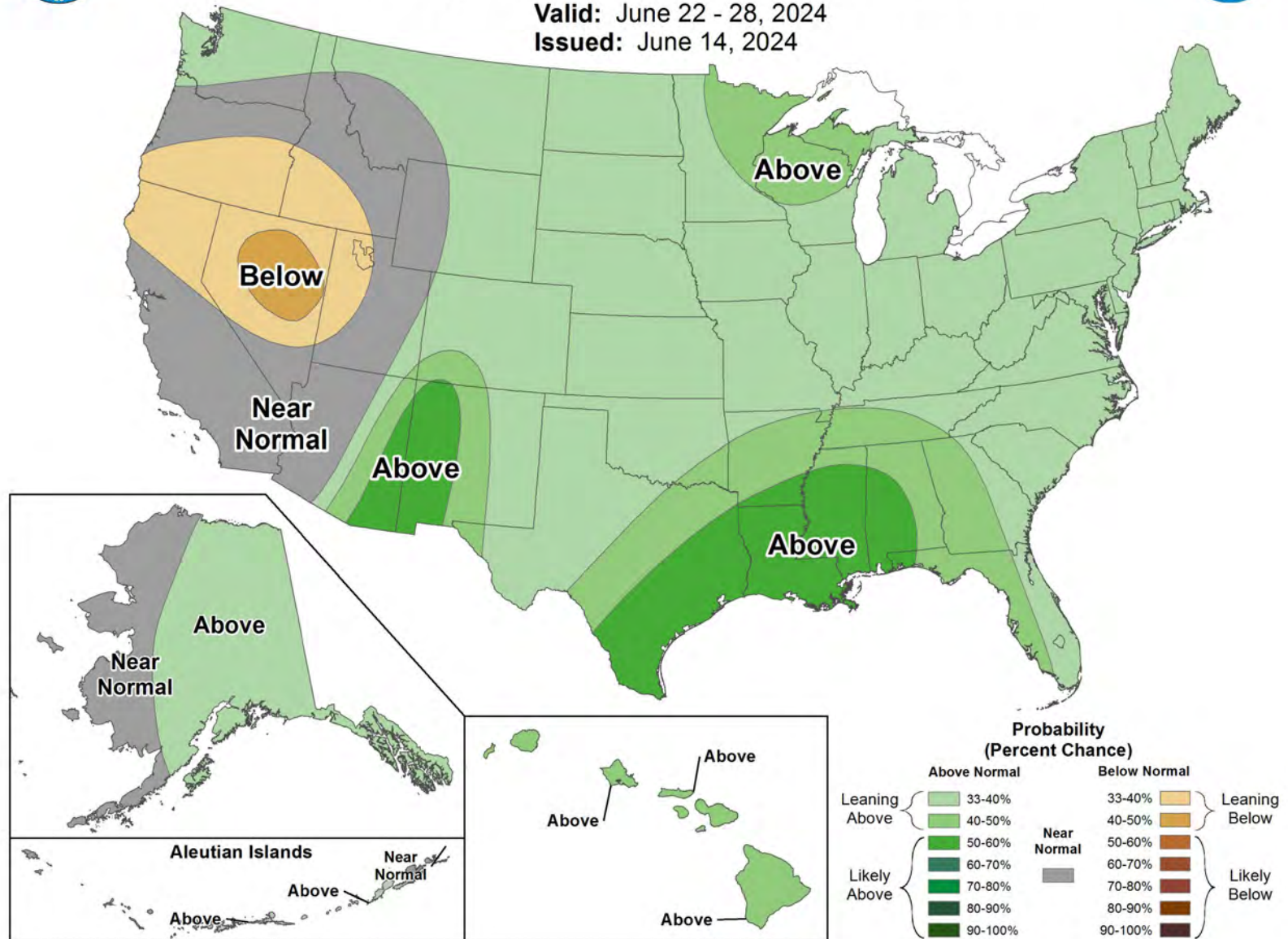
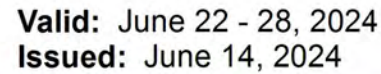
Forecasts support FIRO/CA-AR Program and NSF #2052972 | Intended for research purposes only

Model Run: 06Z Wed 12 Jun 2024



Center for Western Weather
and Water Extremes





KERN RIVER WATERMASTER

achianello@krwatermaster.org

661-549-6313

To: Kern River Interests

June 10, 2024

From: Art Chianello
Kern River Watermaster

RE: Report of Recent Activities

Runoff and Operations - DWR's June 4th Kern River April-July median forecast is 108% or 460,000 acre-feet. CNRFC's June 10th median forecast is 107% or 470,000 acre-feet.

The monthly Kern River Basin runoff volumes for the water year are shown below and compared to historical inflows. June through September are DWR's forecasted median values.

Water Year 2024, acre-feet		
Month	Total Inflow, Actual	Total Inflow, Historical
October 2023	36,571	16,500
November 2023	36,099	20,300
December 2023	35,811	28,800
January 2024	33,966	37,600
February 2024	51,391	42,400
March 2024	71,371	60,600
April 2024	121,661	90,900
May 2024	167,644	146,500
June 2024	119,000 Forecasted	130,200
July 2024	49,000 Forecasted	68,200
August 2024	22,000 Forecasted	30,500
September 2024	13,000 Forecasted	18,400
Total	757,515	690,900

The Aerial Snow Observatory (ASO) modeling report for the period May 14 - June 2 indicates that 61,600 acre-feet of snow water equivalent (SWE) remains in the Kern River basin. DWR’s B-120 is forecasting approximately 203,000 acre-feet runoff for June, July, August, and September. According to DWR, the forecasted runoff includes SWE and statistically based parameters including water currently in transit (above and below ground surface), baseflow, and potential future precipitation.

DESCRIPTION	TOTAL	SOUTH FORK	UPPER KERN
Mean SWE in.	0.7	0.0	1.1
Total SWE TAF	61.6	0.0	61.6

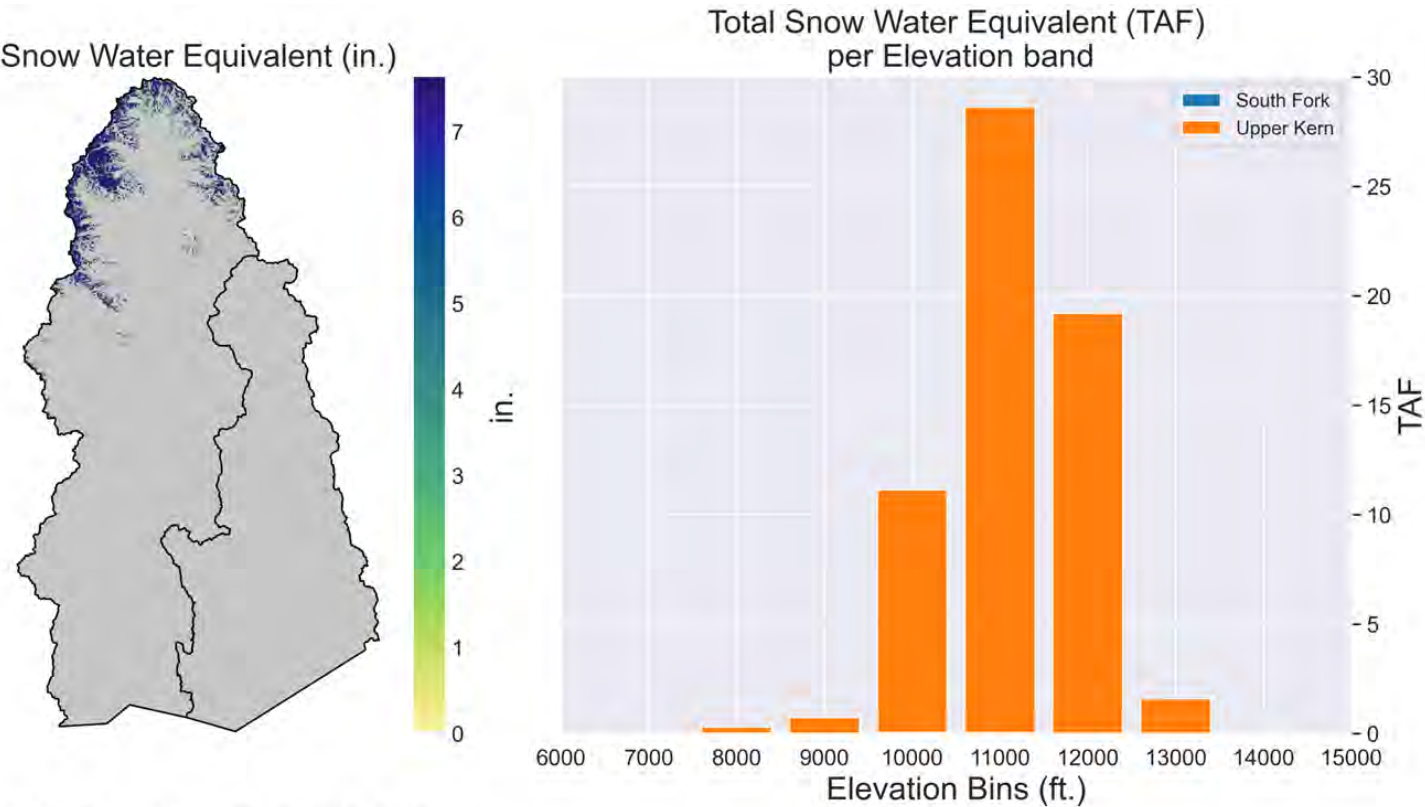
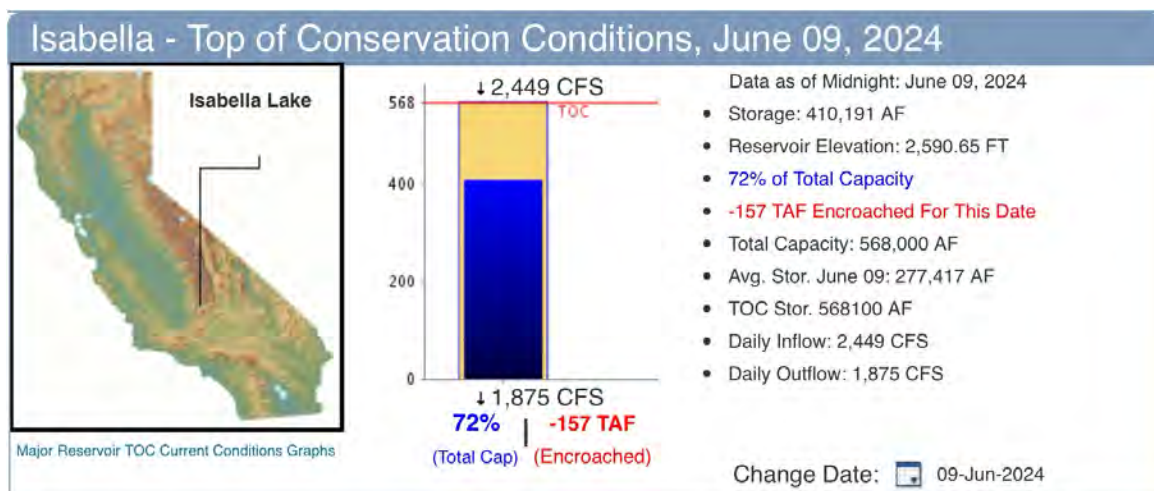
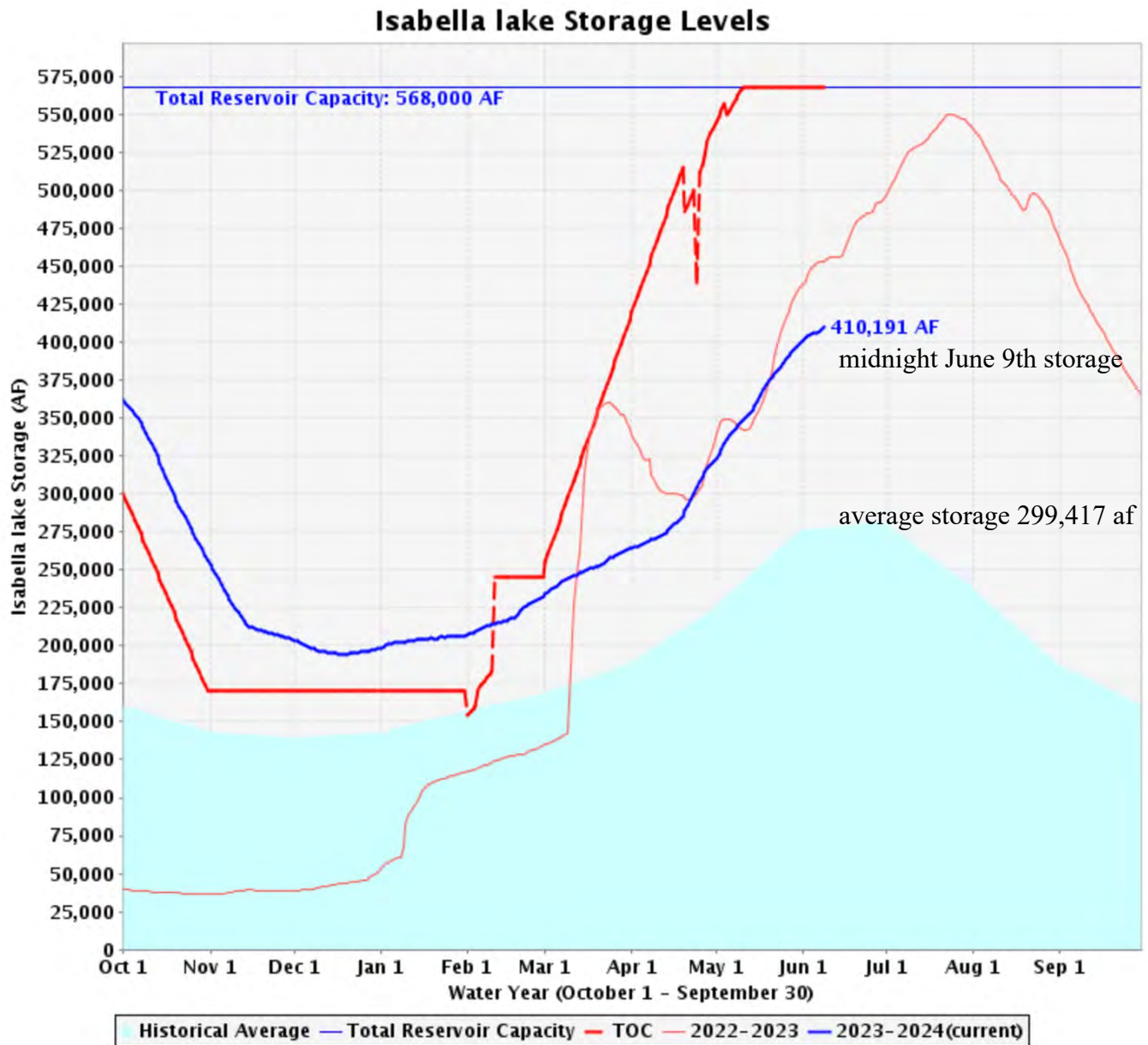


Fig.5 Snow Water Equivalent as of 2024-06-02

Isabella Dam Operations

The graph below shows the trend in storage for the water year from October 1 to June 9th. The June 9th daily inflow was 2,499 cfs and the daily outflow was 1,875 cfs.



B-120 WATER SUPPLY FORECAST UPDATE SUMMARY

UNIMPAIRED FLOW FOR - June 2024

(Provisional data, subject to change)

Report generated: June 06, 2024 12:55

APRIL-JULY FORECAST UPDATE SUMMARY (IN THOUSANDS OF ACRE-FEET)										
DAYS OF MONTH			JUNE 04							
WATERSHED PERCENTILES			AJ VOL	% AVG	AJ VOL	% AVG	AJ VOL	% AVG	AJ VOL	% AVG
DAYS OF MONTH			JUNE 04							
WATERSHED PERCENTILES			AJ VOL	% AVG	AJ VOL	% AVG	AJ VOL	% AVG	AJ VOL	% AVG

Kings River below Pine Flat Reservoir			Average = 1,204							
90% Exceedance	1,110	92								
50% Exceedance	1,170	97								
10% Exceedance	1,260	105								
Kaweah River below Terminus Reservoir			Average = 276							
90% Exceedance	245	89								
50% Exceedance	260	94								
10% Exceedance	285	103								
Tule River below Lake Success			Average = 56							
90% Exceedance	70	125								
50% Exceedance	75	134								
10% Exceedance	82	146								
Kern River, Inflow to Lake Isabella			Average = 427							
90% Exceedance	435	102								
50% Exceedance	460	108								
10% Exceedance	495	116								

NOTES

- Runoff forecasts are unimpaired (full natural) flows which represent the natural water production of the river basin, unaltered by upstream diversions, storage, or export or import of water to or from other watersheds.
- Runoff exceedance levels are derived from historical data. The 90 percent exceedance level and the 10 percent exceedance level together comprise a range about the median forecast in which the actual runoff should fall 8 times out of 10.
- Forecasts are stated in 1,000's of acre-feet and percent of (30-year) average.
- The averages are for the period 1991 to 2020.

CNRFC April - July Runoff, trending slightly above average

Please Note: Ensemble forecasts produced by CNRFC only consider meteorological uncertainty and do not account for hydrologic uncertainty.

Flow data on this product are unregulated / full natural flow.

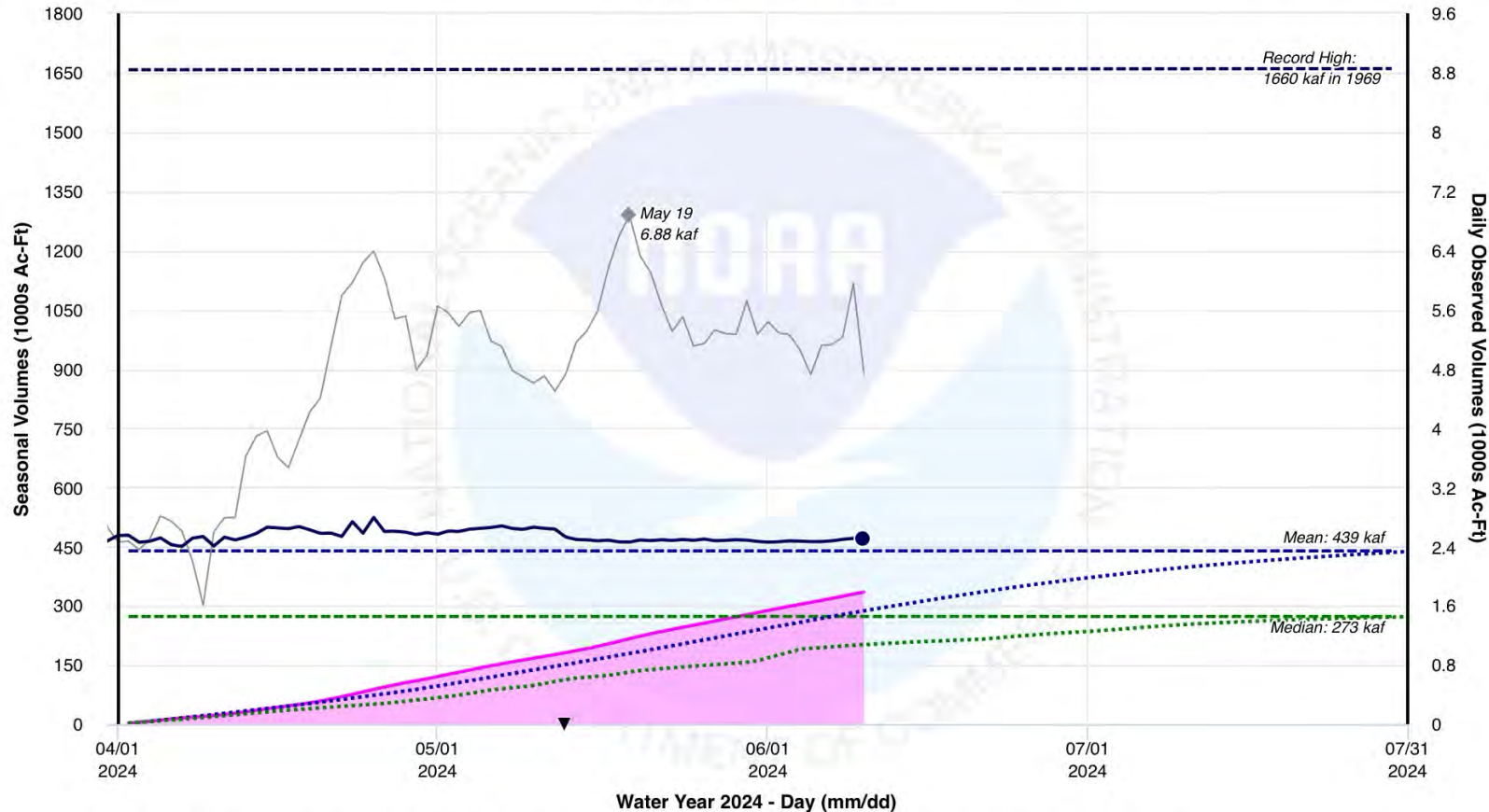
2024 Seasonal Trend Plot (Year View)

Tabular View | Select a Different Water Year: 2024

Switch to Year View

KERN - ISABELLA DAM, BLO (ISAC1) 06/10/2024
Median Forecast: 470 kaf | 107% of Mean | 172% of Median

Created: 06/10/2024 at 07:43 AM PDT



Observed Season to Date Percent of Mean: 115% (334 kaf) Season to Date Mean: 292 kaf

Historical Apr-Jul Vol Max: 1660 kaf in 1969 Historical Apr-Jul Vol Min: 57.0 kaf in 2015

This product only considers meteorological uncertainty and does not account for hydrologic uncertainty.

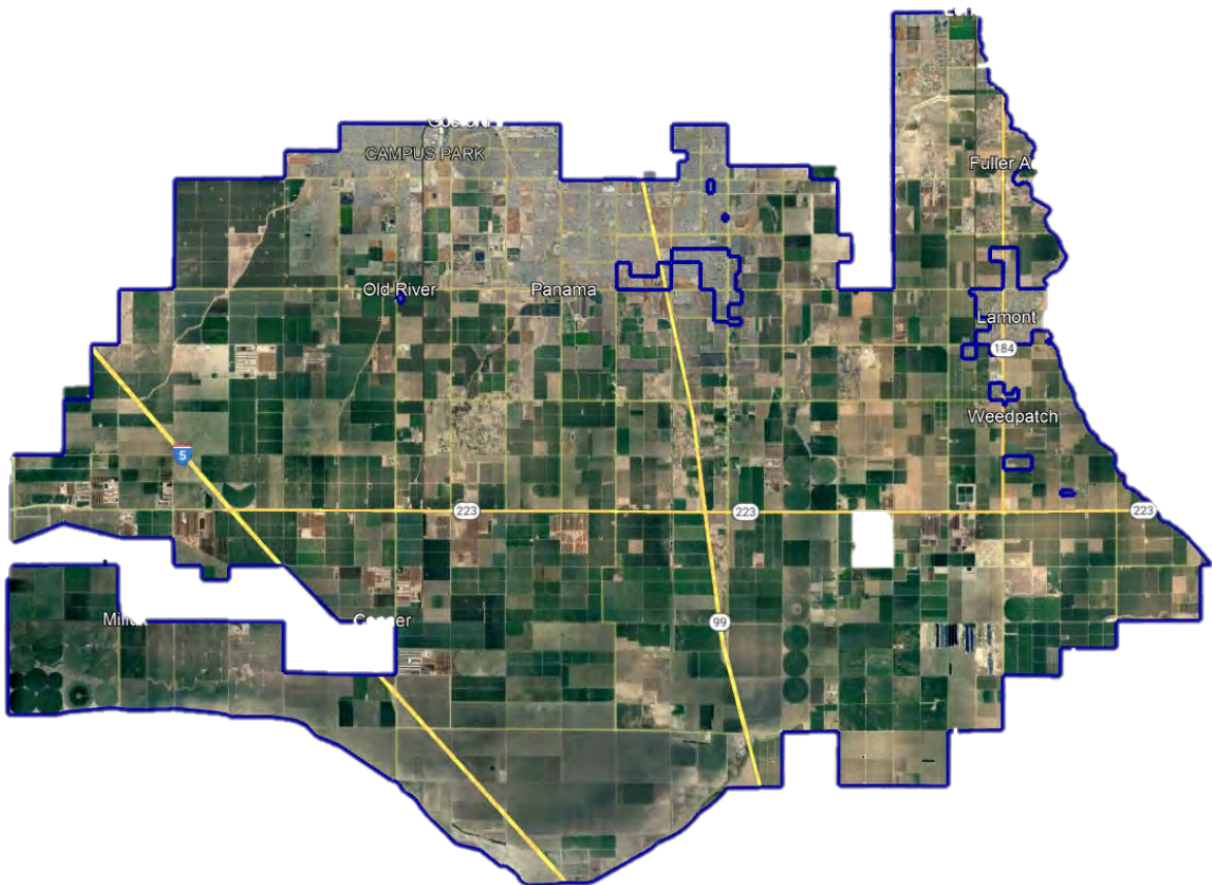
Means/medians are based on the period of Water Years 1980 through 2022.

Legend entries below can be toggled on/off.

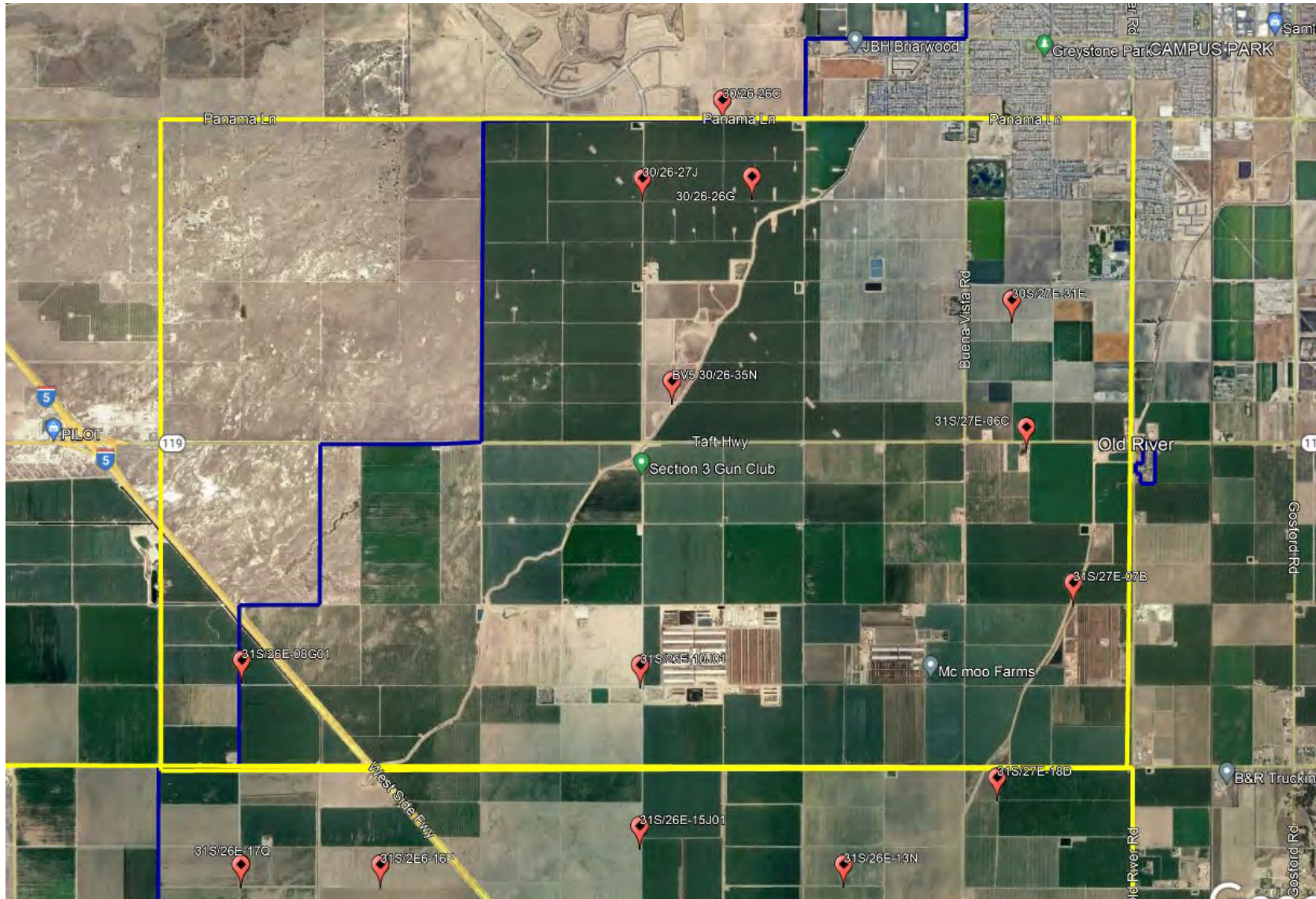
Apr-Jul Vol Mean Apr-Jul Vol Median Season to Date Mean Season to Date Median Season to Date Obs Daily Obs
Obs Peak Apr-Jul Fcst 50% Apr-Jul Fcst 25/75% Apr-Jul Fcst 10/90% Apr-Jul Fcst Max/Min Record Low
Snow Model Updates



Monthly Groundwater Report



June 2024



Northwest Quadrant		JAN 2020	JAN 2021	JAN 2022	JAN 2023	JAN 2024	FEB 2024	MAR 2024	APR 2024	MAY 2024	JUN 2024	JUL 2024	AUG 2024	SEP 2024	OCT 2024	NOV 2024	DEC 2024	HIGH (by well)	LOW (by well)	AVERAGE (by well)
	30/26-26C	204	G	G	207	194	189	185	200	180	182							207	180	193
	30/26-26G	199	G	G	G	201	196	195	208	191	167							208	167	194
	30/26-27J	210	G	G	218	196	189	202	R	R	177							218	177	199
	30/26-35N	171	169	185	217	184	179	177	180	181	180							217	169	182
	30/27-31E	219	201	224	228	209	205	219	207	208	216							228	201	214
	31/26-08G	204	205	200	NR	168	170	200	200	NR	180							205	168	191
	31/26-10J	NR	203	205	216	201	180	202	200	179	210							216	179	200
	31/27-06C	215	203	215	228	210	209	212	209	R	216							228	203	213
	31/27-07B	200	NR	235	207	197	192	182	202	188	188							235	182	199
	MONTHLY AVG	203	196	211	217	196	190	197	201	188	191									
	MAXIMUM DEPTH TO WATER NW (running average for all data last 5 years)																	235		
	MINIMUM DEPTH TO WATER NW (running average for all data last 5 years)																	167		
	AVERAGE DEPTH TO WATER NW (running average for all data last 5 years)																	198		

G = gated well, unable to access

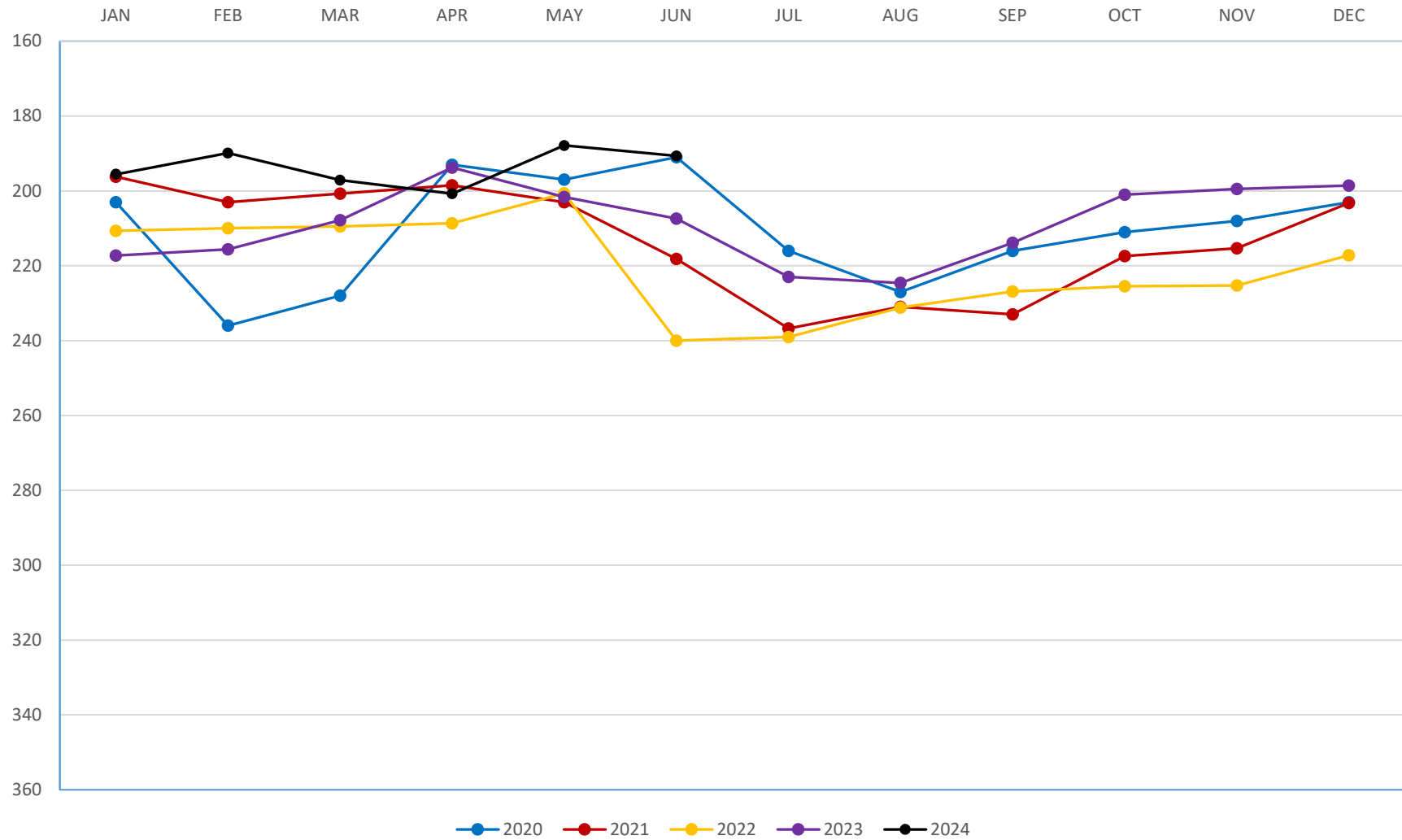
R = running well, no measurement taken

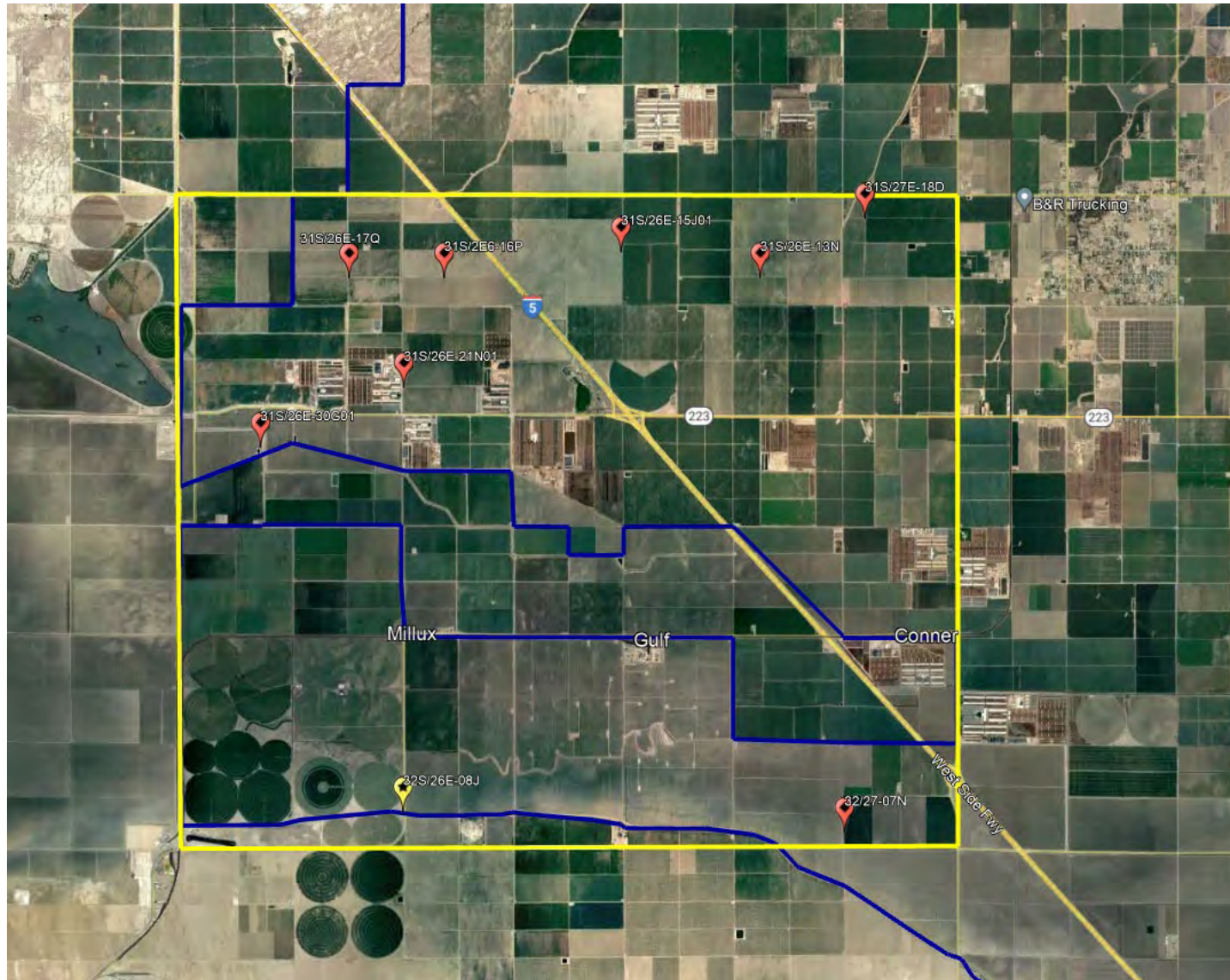
NR = temporary 'no reading', no measurement taken

yellow shading = inactive well

2024

NORTHWEST





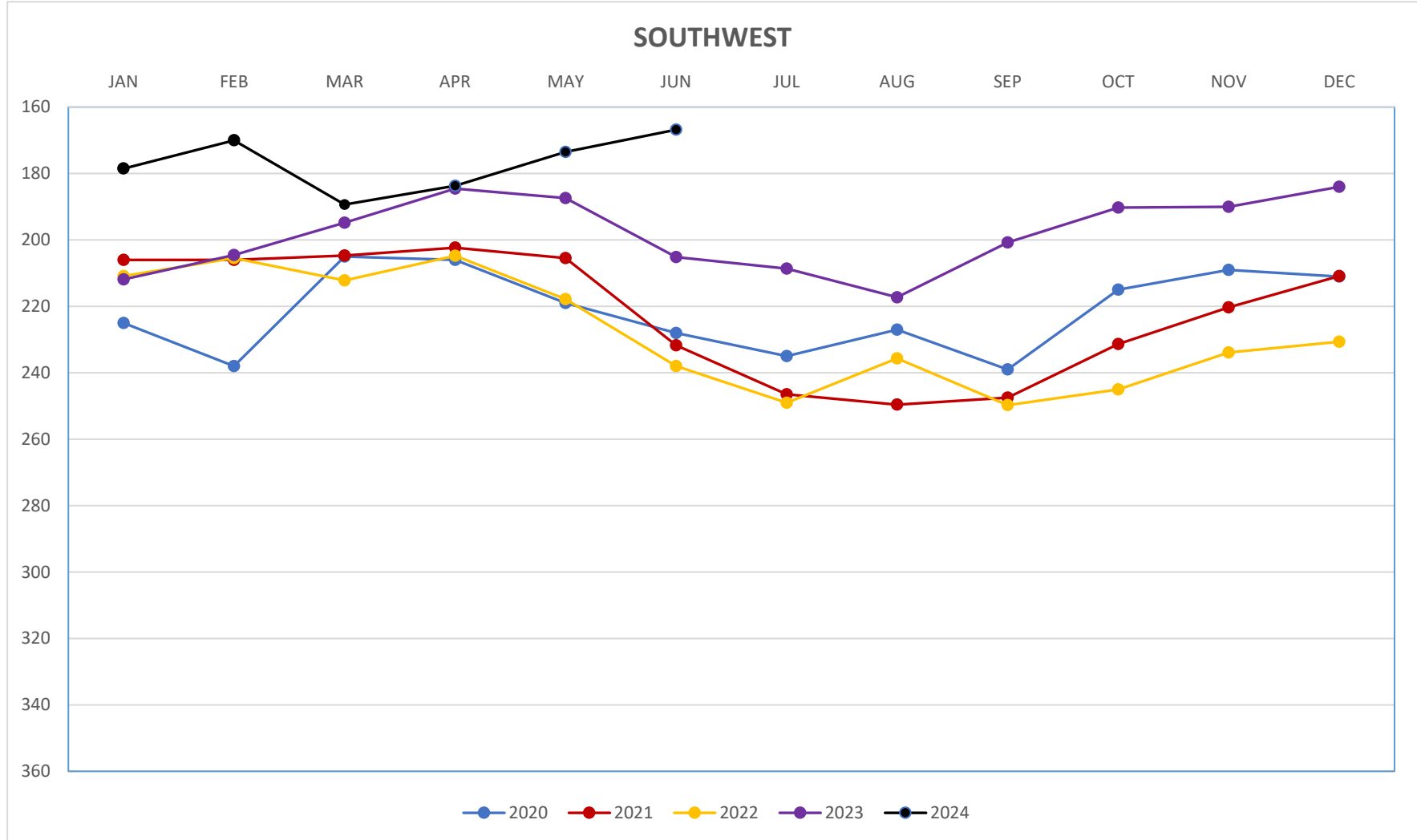
2024

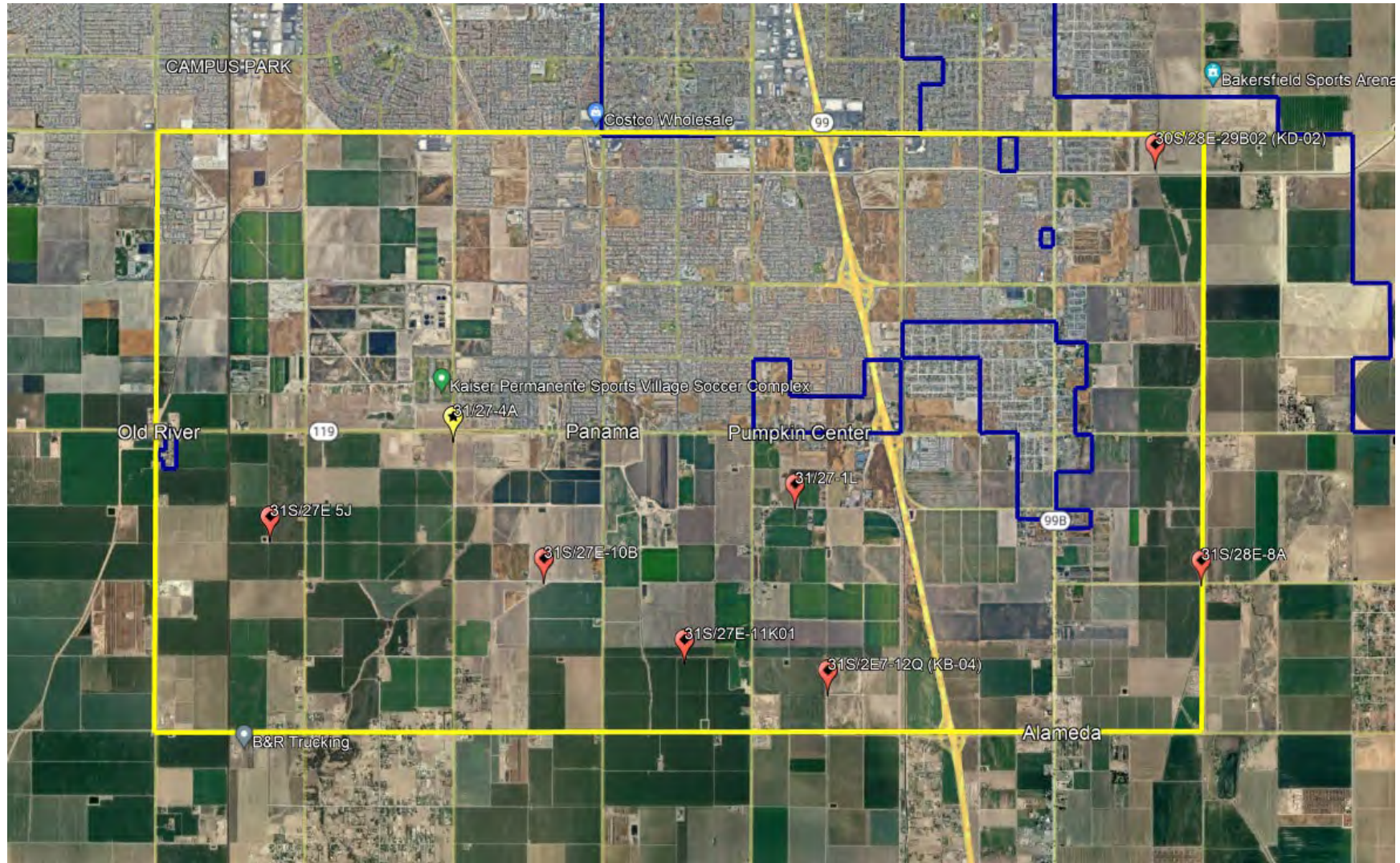
		JAN 2020	JAN 2021	JAN 2022	JAN 2023	JAN 2024	FEB 2024	MAR 2024	APR 2024	MAY 2024	JUN 2024	JUL 2024	AUG 2024	SEP 2024	OCT 2024	NOV 2024	DEC 2024	HIGH (by well)	LOW (by well)	AVERAGE (by well)
Southwest Quadrant	31/26-13N	NR	NR	206	215	191	189	202	200	189	R							215	189	199
	31/26-15J	NR	201	205	211	186	178	181	176	176	R							211	176	189
	31/26-16P	204	202	200	207	181	165	201	176	174	206							207	165	192
	31/26-17Q	203	219	202	NR	188	176	R	R	159	177							219	159	189
	31/26-21N	204	204	228	215	180	171	R	200	R	R							228	171	200
	31/26-30G	268	203	234	200	152	146	206	R	R	R							268	146	201
	31/27-18D01	201	203	222	222	190	184	R	R	195	218							222	184	204
	32/26-08J	209	212	200	213	NR	NR	202	201	NR	217							217	200	208
	32/27-07N	288	200	201	NR	160	151	144	149	148	16							288	16	162
	MONTHLY AVG	225	206	211	212	179	170	189	184	174	167									
MAXIMUM DEPTH TO WATER SW (running average for all data last 5 years)																		288		
MINIMUM DEPTH TO WATER SW (running average for all data last 5 years)																		16		
AVERAGE DEPTH TO WATER SW (running average for all data last 5 years)																		193		

G = gated well, unable to access
 R = running well, no measurement taken
 NR = temporary 'no reading', no measurement taken

yellow shading = inactive well

2024





2024

North-Central Quadrant		JAN 2020	JAN 2021	JAN 2022	JAN 2023	JAN 2024	FEB 2024	MAR 2024	APR 2024	MAY 2024	JUN 2024	JUL 2024	AUG 2024	SEP 2024	OCT 2024	NOV 2024	DEC 2024	HIGH (by well)	LOW (by well)	AVERAGE (by well)
	30/28-29B	229	225	231	240	NR	NR	232	NR	NR	248							248	225	234
	31/27-01L	232	219	170	219	212	205	207	207	204	212							232	170	209
	31/27-04A	184	179	182	186	174	171	169	172	166	170							186	166	175
	31/27-05J	228	207	230	214	209	209	210	204	212	218							230	204	214
	31/27-10B	208	208	210	210	208	200	199	R	202	214							214	199	207
	31/27-12Q	139	141	174	172	149	145	162	160	141	140							174	139	152
	31/28-08A	244	249	264	256	232	253	249	249	218	194							264	194	241
	MONTHLY AVG	209	204	209	214	197	197	204	198	191	199									
MAXIMUM DEPTH TO WATER N-C (running average for all data last 5 years)																		264		
MINIMUM DEPTH TO WATER N-C (running average for all data last 5 years)																		139		
AVERAGE DEPTH TO WATER N-C (running average for all data last 5 years)																		203		

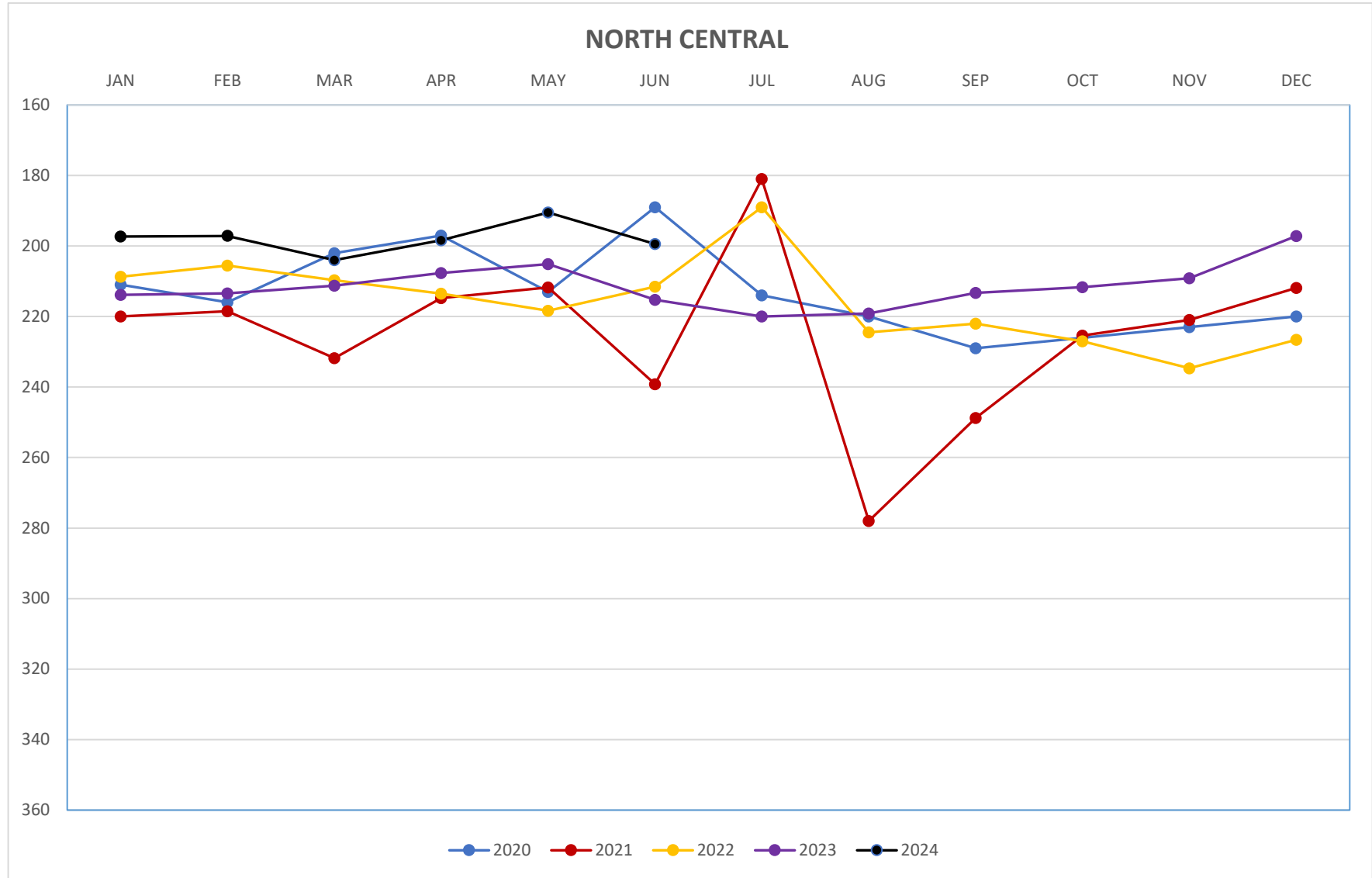
G = gated well, unable to access

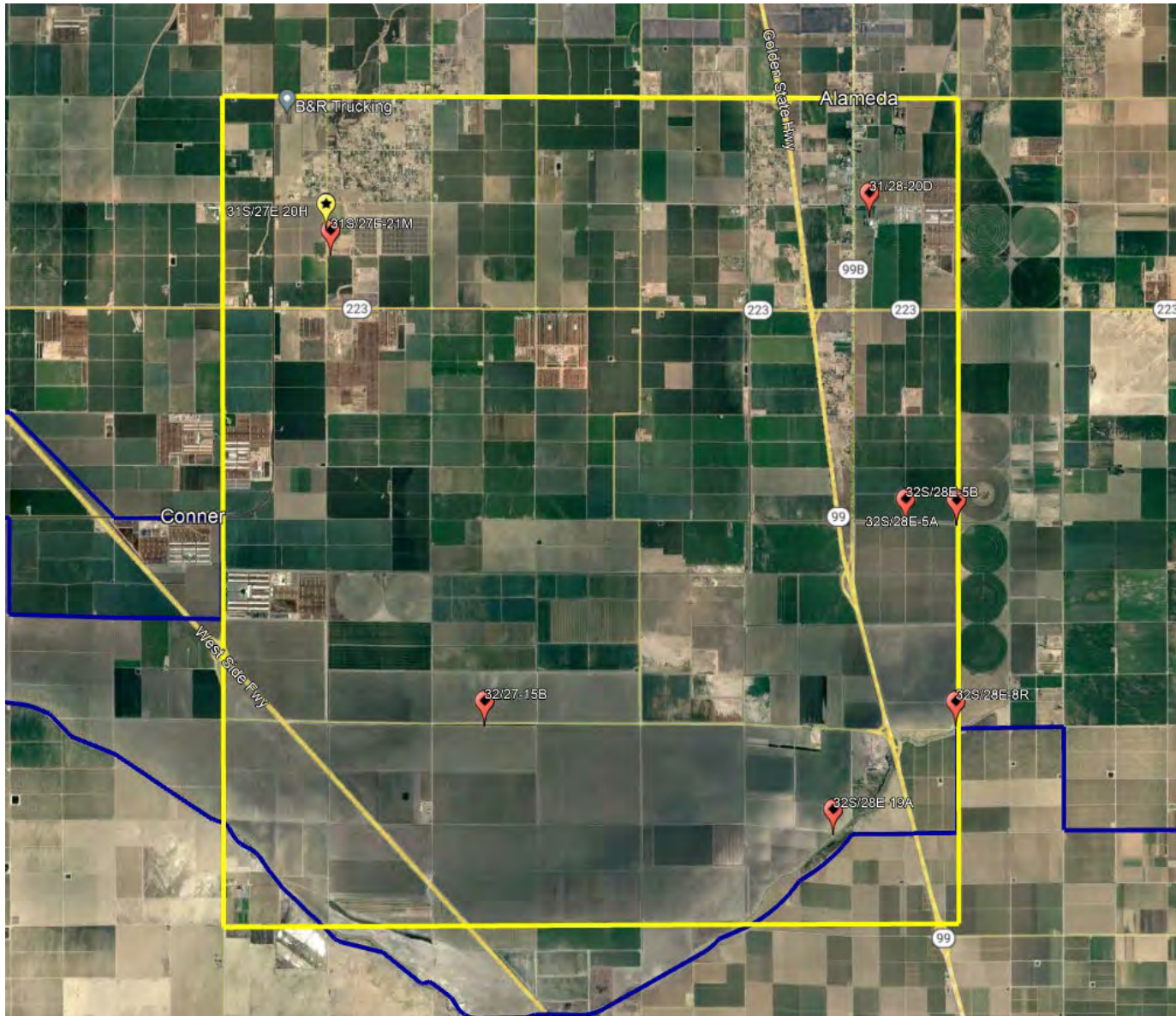
R = running well, no measurement taken

NR = temporary 'no reading', no measurement taken

yellow shading = inactive well

2024





2024

		JAN 2020	JAN 2021	JAN 2022	JAN 2023	JAN 2024	FEB 2024	MAR 2024	APR 2024	MAY 2024	JUN 2024	JUL 2024	AUG 2024	SEP 2024	OCT 2024	NOV 2024	DEC 2024	HIGH (by well)	LOW (by well)	AVERAGE (by well)
South-Central Quadrant	31/27-20H	211	NR	213	203	162	159	161	165	195	NR							213	159	184
	31/27-21M	L	NR	220	NR	189	183	186	R	198	220							220	183	199
	31/28-20D	201	R	202	203	NR	154	R	R	NR	R							203	154	190
	32/27-15B	202	200	201	338	NR	180	214	NR	183	194							338	180	214
	32/28-19A	222	222	255	NR	242	241	204	NR	248	258							258	204	237
	32/28-05A	239	220	214	243	217	216	200	215	207	219							243	200	219
	32/28-05B	201	205	221	215	210	205	192	NR	200	227							227	192	208
	32/28-08R	253	222	255	NR	235	228	202	215	217	217							255	202	227
	MONTHLY AVG	218	214	223	240	209	196	194	198	207	223									
	MAXIMUM DEPTH TO WATER S-C (running average for all data last 5 years)																	338		
	MINIMUM DEPTH TO WATER S-C (running average for all data last 5 years)																	154		
	AVERAGE DEPTH TO WATER S-C (running average for all data last 5 years)																	212		

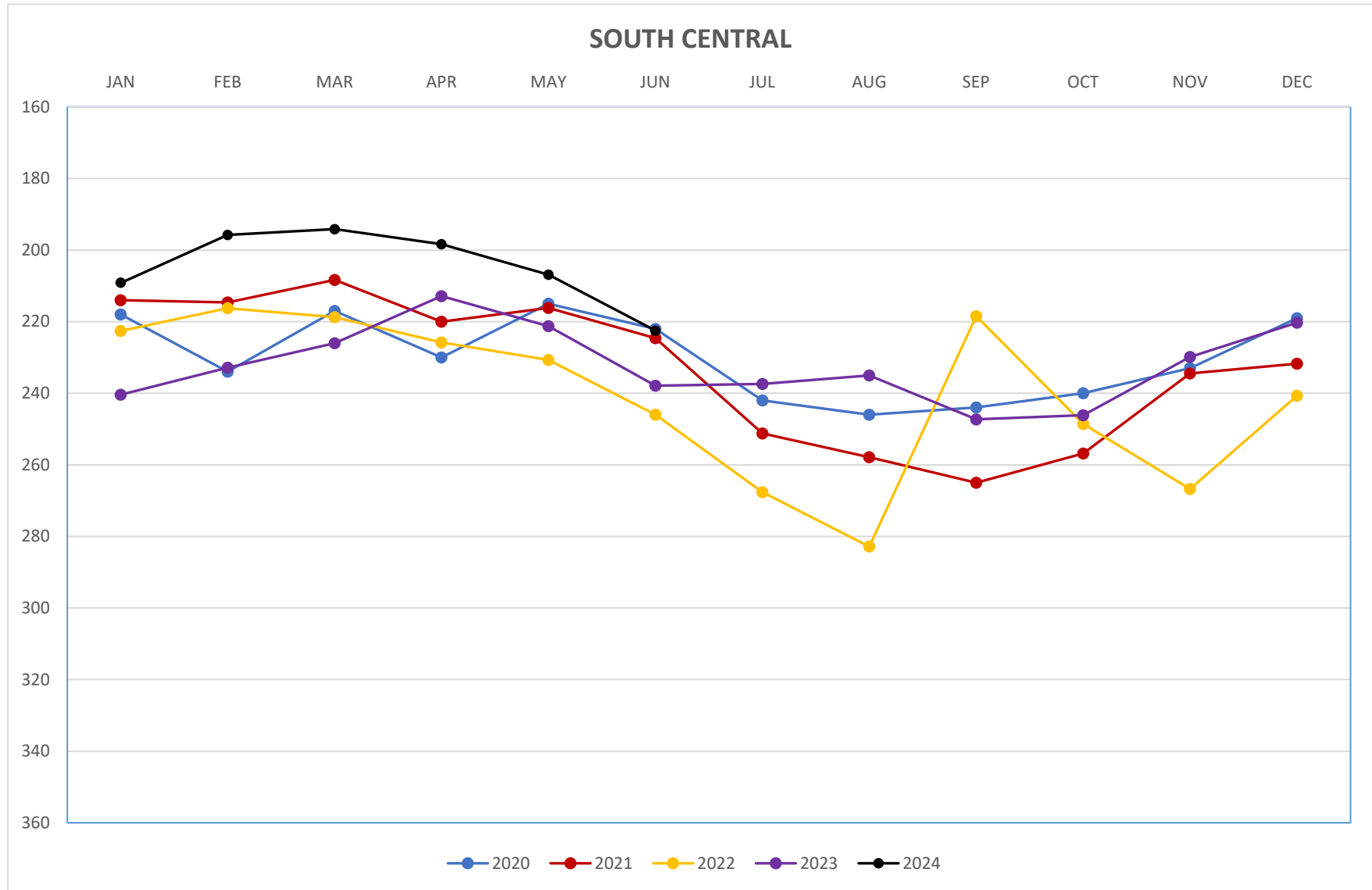
G = gated well, unable to access

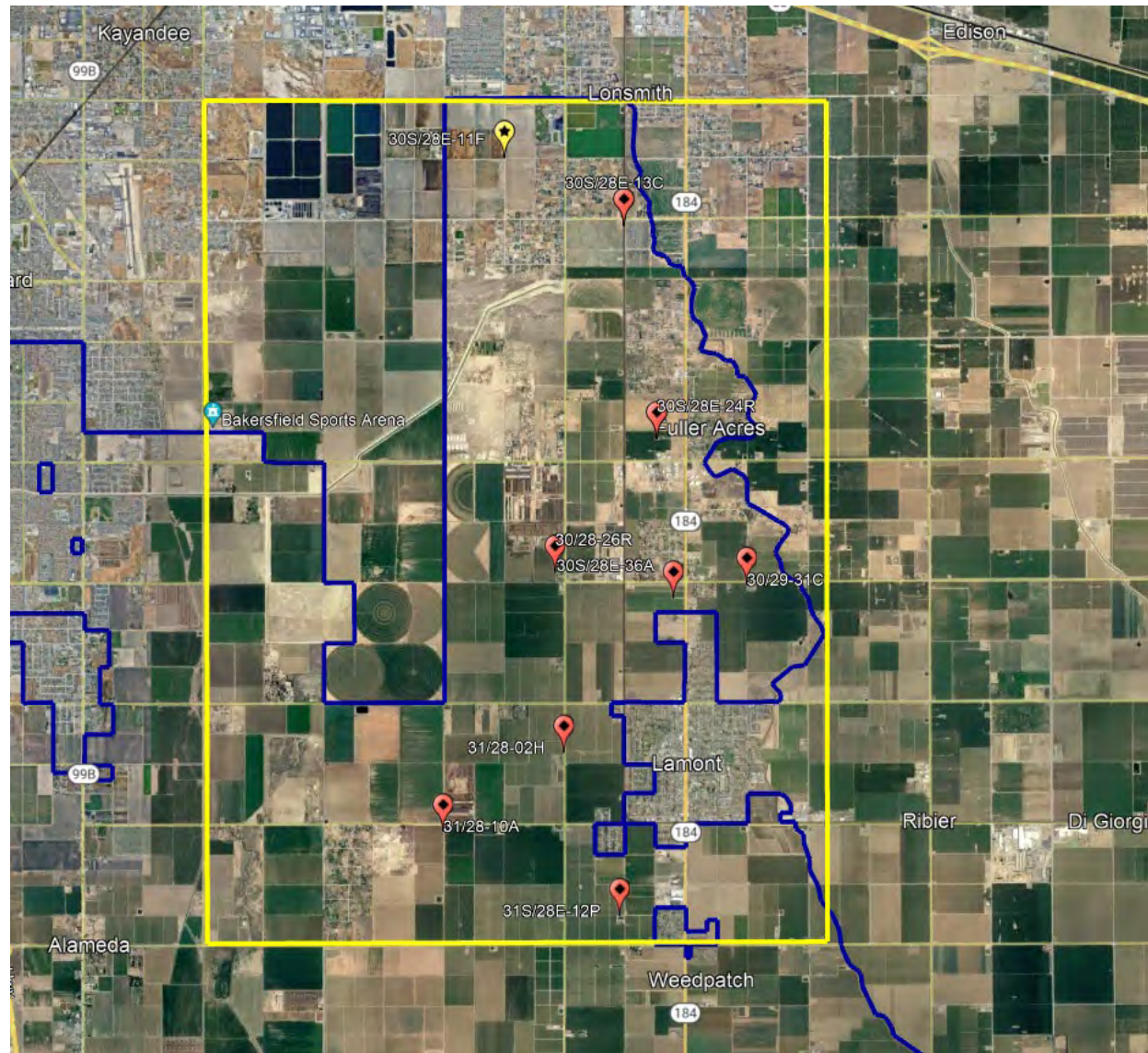
R = running well, no measurement taken

NR = temporary 'no reading', no measurement taken

yellow shading = inactive well

2024





Northeast Quadrant		JAN 2020	JAN 2021	JAN 2022	JAN 2023	JAN 2024	FEB 2024	MAR 2024	APR 2024	MAY 2024	JUN 2024	JUL 2024	AUG 2024	SEP 2024	OCT 2024	NOV 2024	DEC 2024	HIGH (by well)	LOW (by well)	AVERAGE (by well)
	30/28-11F	263	264	272	NR	280	278	278	NR	NR	284							284	263	274
	30/28-13C	300	331	320	313	317	322	320	NR	R	R							331	300	318
	30/28-26R	NR	NR	NR	NR	306	298	296	294	291	R							306	291	297
	30/28-36A	212	NR	NR	334	336	344	327	327	325	338							344	212	318
	30/29-31C	338	330	344	347	344	342	340	NR	339	338							347	330	340
	31/28-02H	290	295	326	310	NR	277	293	NR	290	R							326	277	297
	31/28-10A	253	258	265	269	265	262	264	266	267	R							269	253	263
	31/28-12P	284	NR	NR	302	NR	295	295	292	290	300							302	284	294
	MONTHLY AVG	277	296	305	313	308	302	302	295	300	315									
MAXIMUM DEPTH TO WATER NE (running average for all data last 5 years)																		347		
MINIMUM DEPTH TO WATER NE (running average for all data last 5 years)																		212		
AVERAGE DEPTH TO WATER NE (running average for all data last 5 years)																		301		

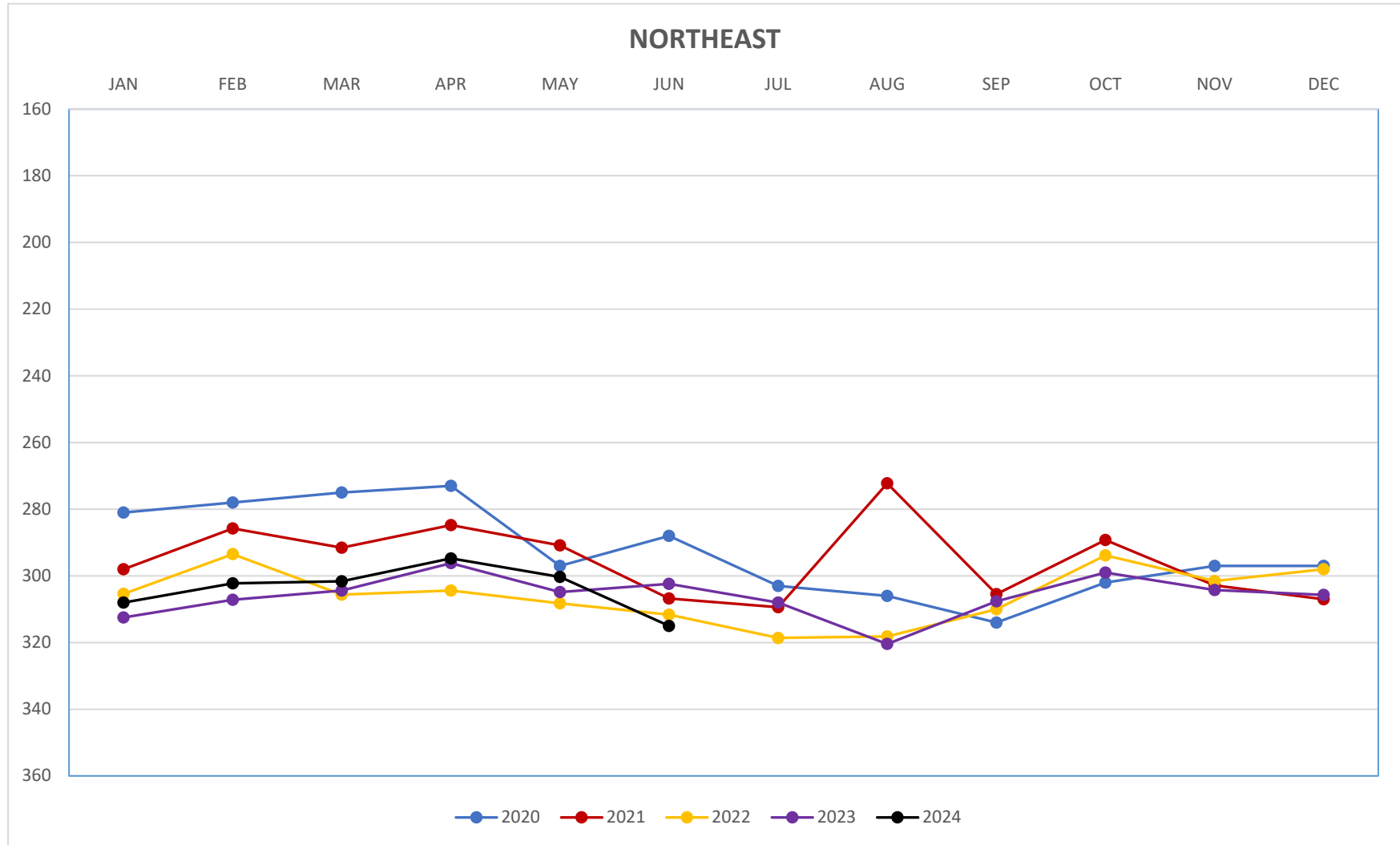
G = gated well, unable to access

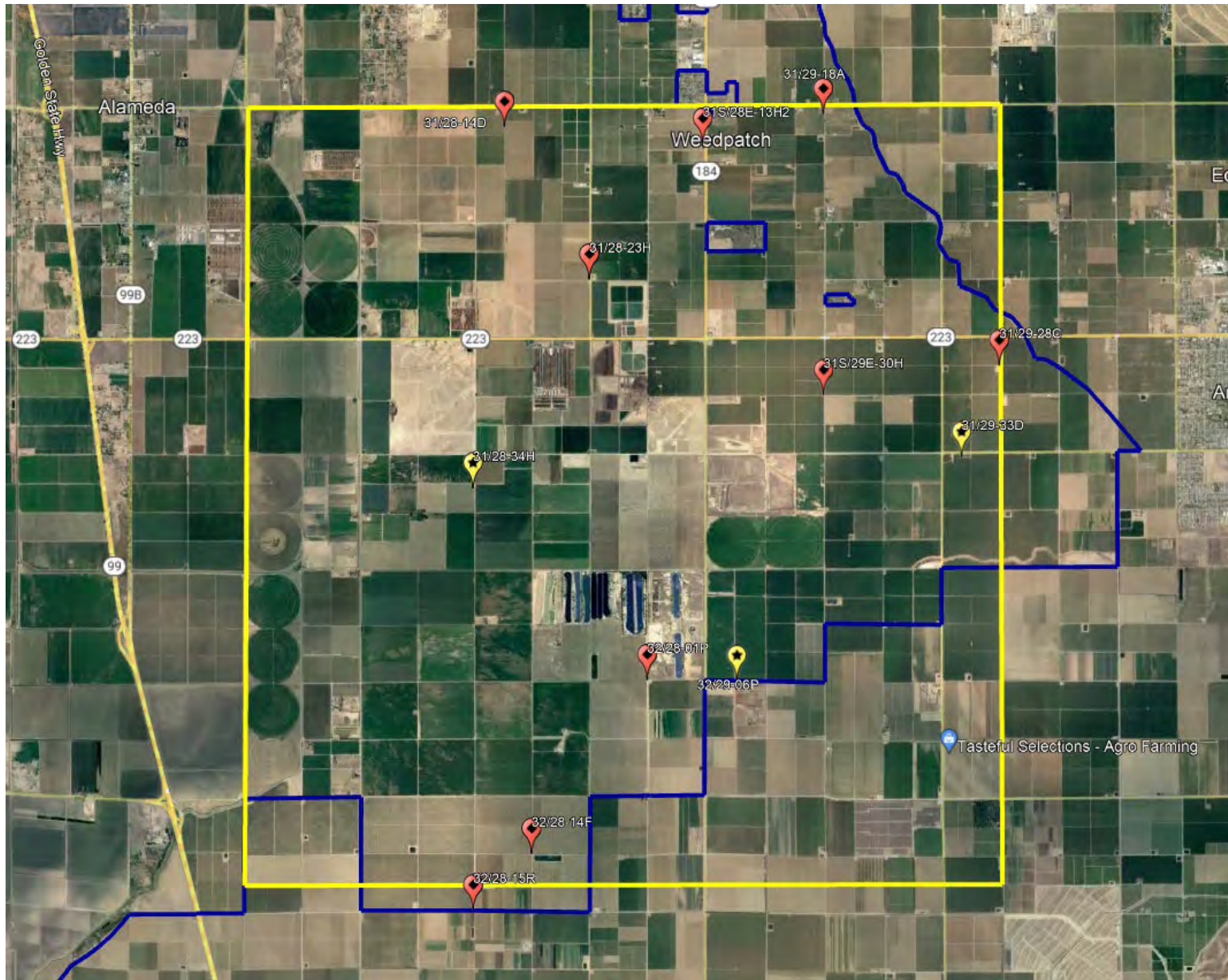
R = running well, no measurement taken

NR = temporary 'no reading', no measurement taken

yellow shading = inactive well

2024





2024

		JAN 2020	JAN 2021	JAN 2022	JAN 2023	JAN 2024	FEB 2024	MAR 2024	APR 2024	MAY 2024	JUN 2024	JUL 2024	AUG 2024	SEP 2024	OCT 2024	NOV 2024	DEC 2024	HIGH (by well)	LOW (by well)	AVERAGE (by well)
Southeast Quadrant	31/28-13H2	NR	NR	290	299	296	285	290	NR	288	287							299	285	291
	31/28-14D	230	235	247	245	243	240	238	241	230	R							247	230	239
	31/28-23H	286	275	276	313	300	296	295	292	R	R							313	275	292
	31/28-34H	206	204	203	213	224	NR	219	215	NR	NR							224	203	212
	31/29-28C	344	NR	NR	201	NR	NR	210	NR	NR	NR							344	201	252
	31/29-30H	NR	331	353	333	324	317	323	NR	R	R							353	317	330
	31/29-33D	250	338	239	347	341	337	336	345	NR	338							347	239	319
	32/28-14F	222	241	NR	NR	243	230	238	245	NR	205							245	205	232
	32/28-15R	272	291	314	298	R	272	281	280	NR	R							314	272	287
	32/28-01P	NR	NR	207	NR	196	183	200	NR	189	202							207	183	196
	32/29-06P	177	208	NR	198	190	185	185	184	R	202							208	177	191
	MONTHLY AVG	248	265	266	272	262	261	256	257	236	247									
	MAXIMUM DEPTH TO WATER SE (running average for all data last 5 years)																	353		
	MINIMUM DEPTH TO WATER SE (running average for all data last 5 years)																	177		
	AVERAGE DEPTH TO WATER SE (running average for all data last 5 years)																	259		

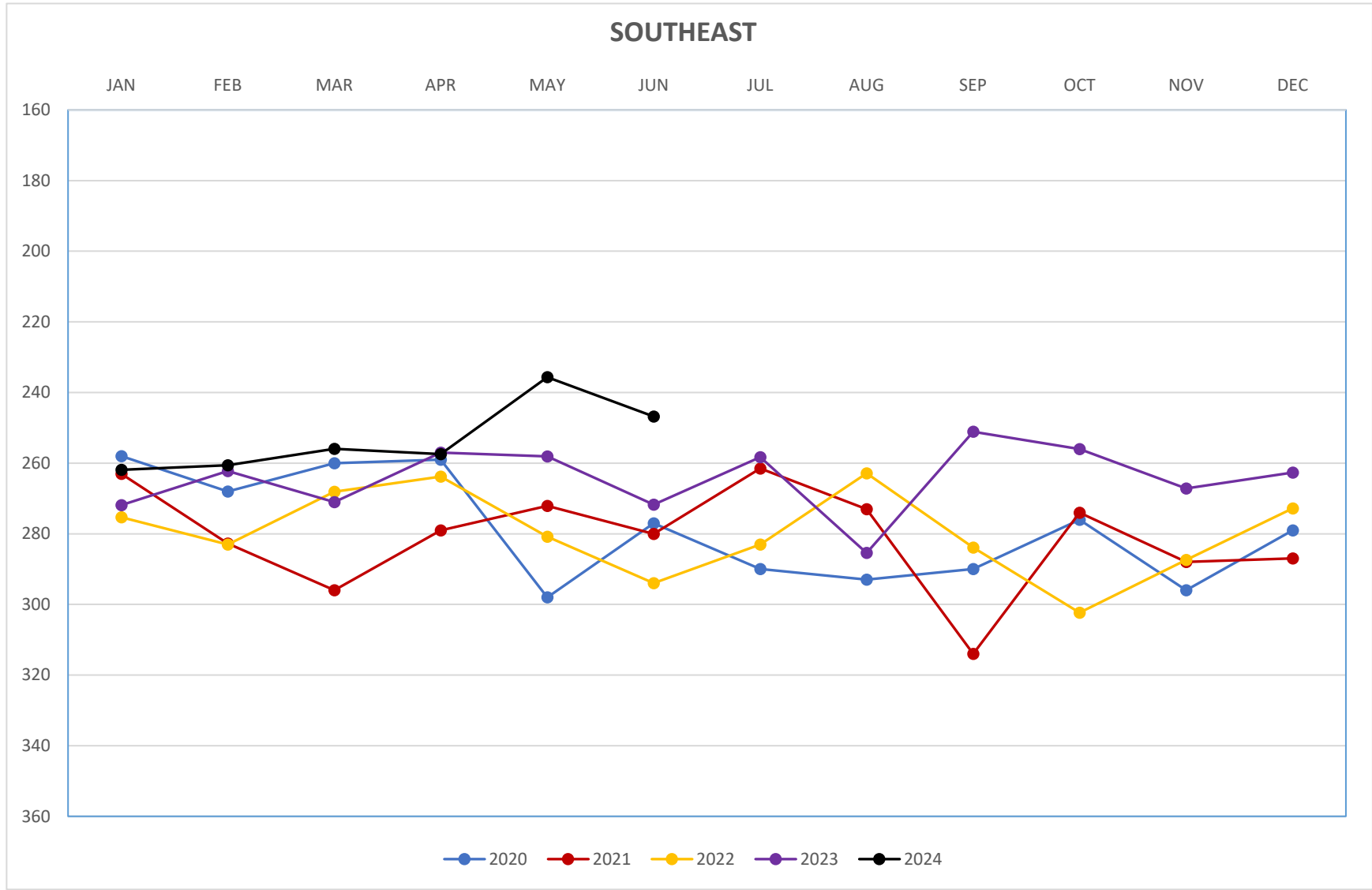
G = gated well, unable to access

R = running well, no measurement taken

NR = temporary 'no reading', no measurement taken

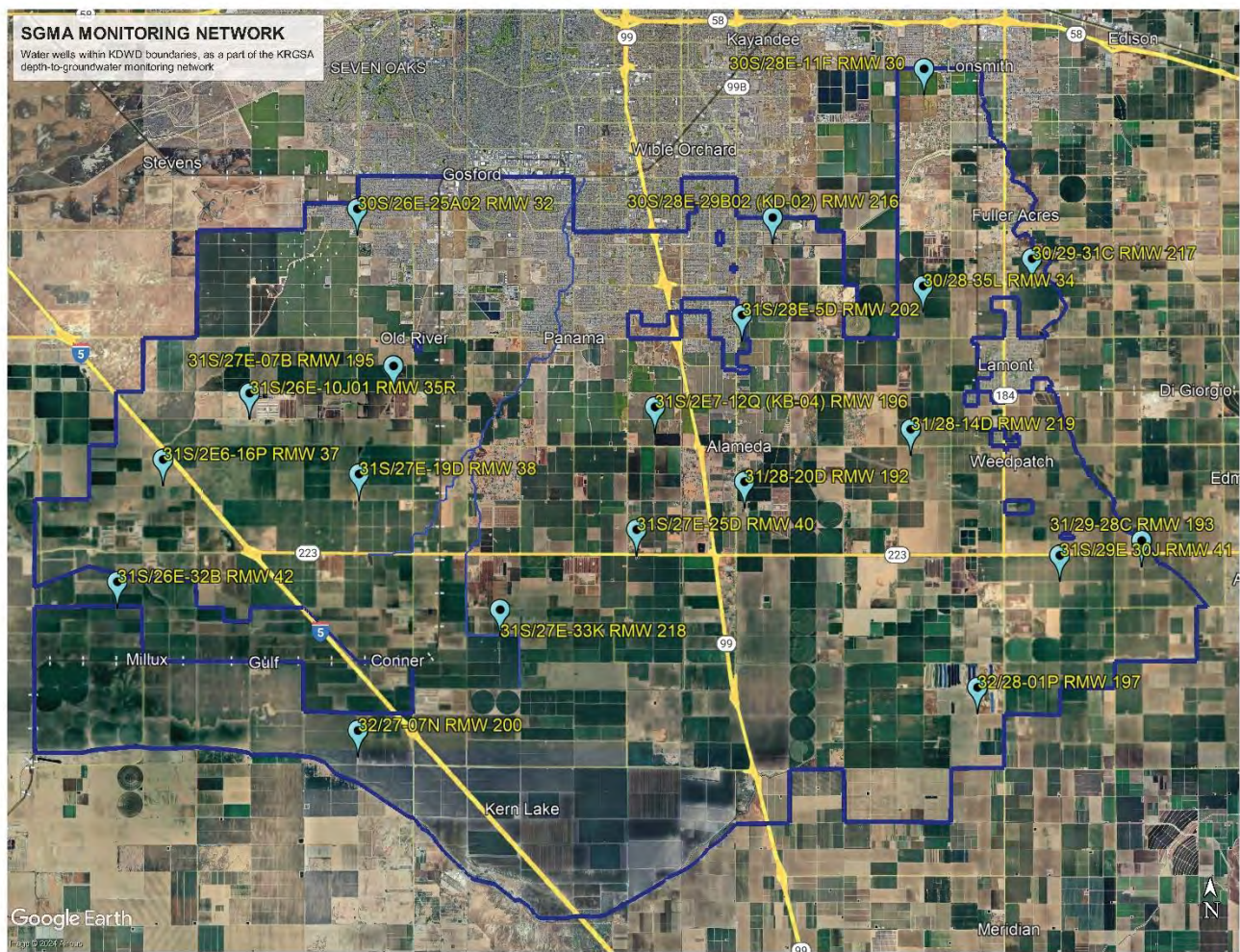
yellow shading = inactive well

2024





Monthly SGMA Wells Monitoring Report



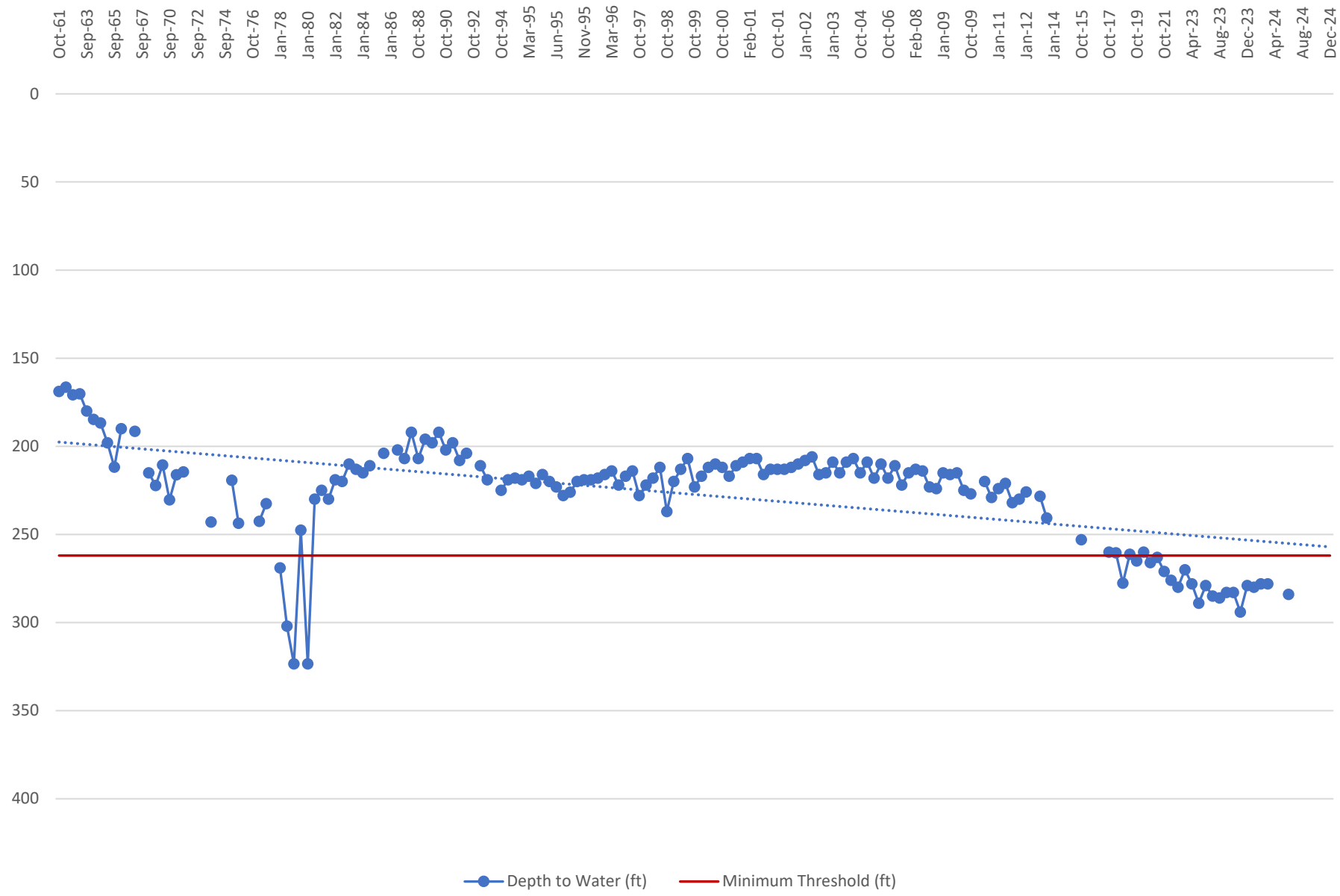
June 2024

RMW-030 30S/28E-11F

not to exceed 262' (depth to water)

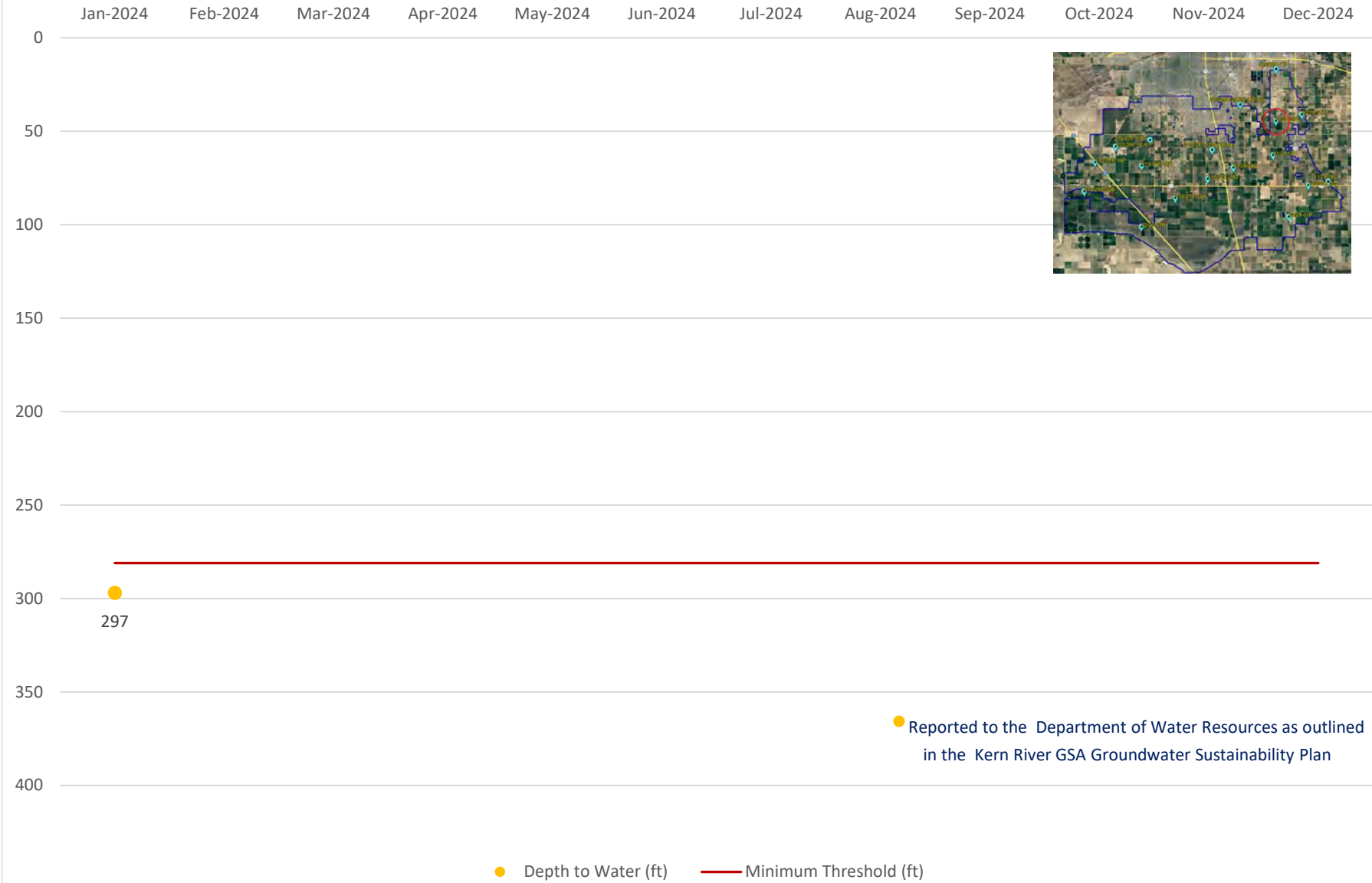


RMW-030 Long-term

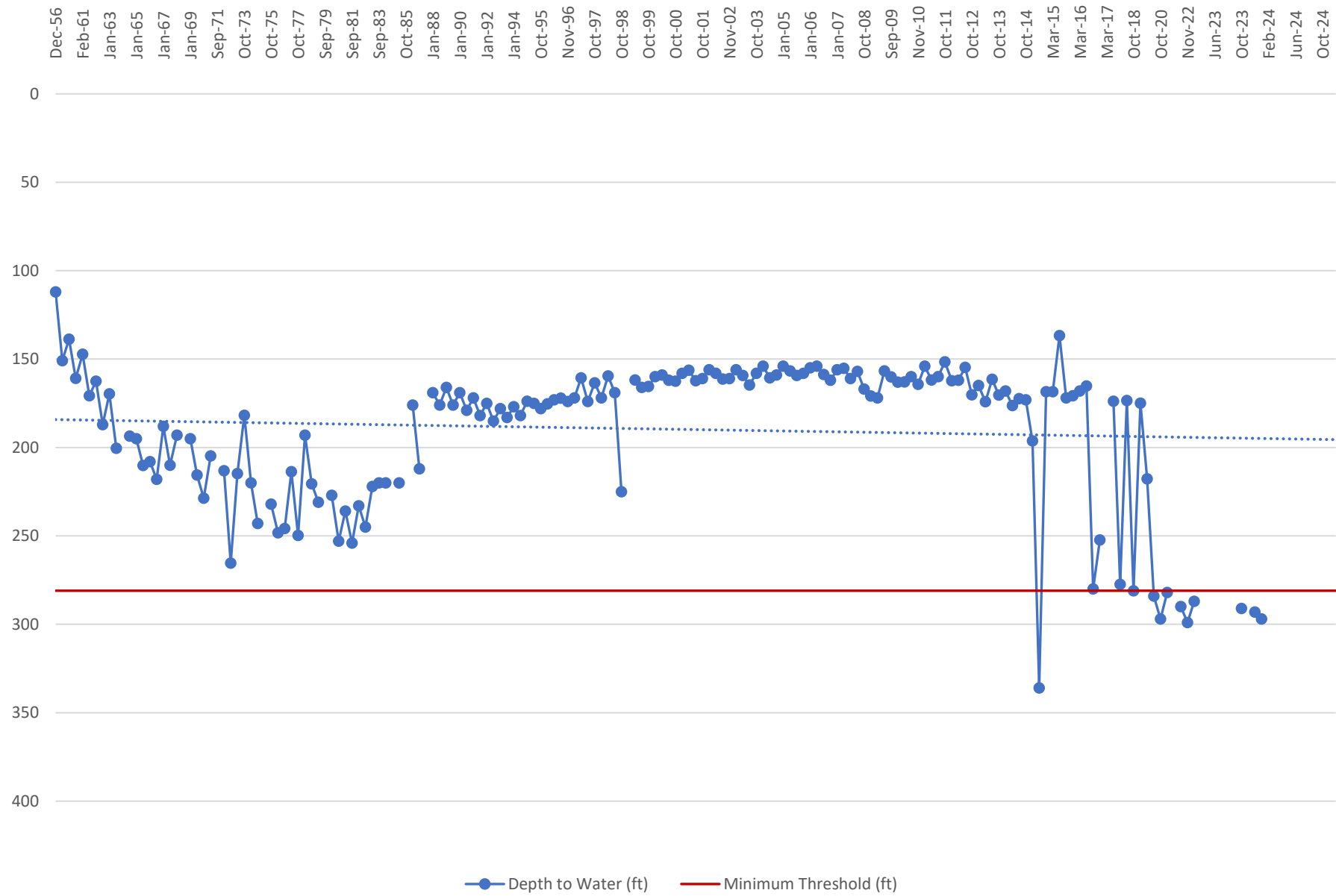


RMW-034 30S/28E-35L

not to exceed 281' (depth to water)



RMW-034 Long-term

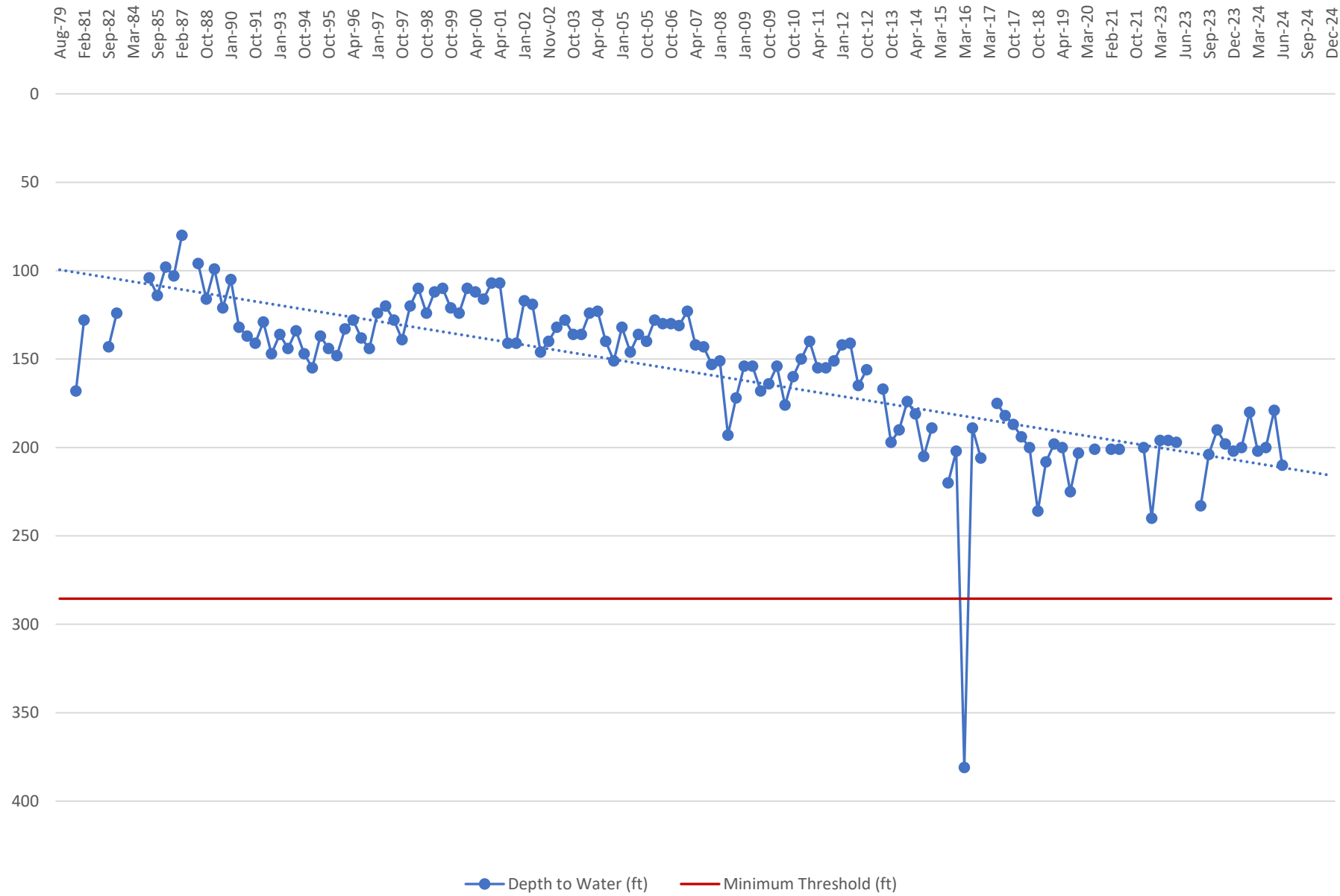


RMW-035R 31S/26E-10J

not to exceed 285.5' (depth to water)



RMW-035R Long-term

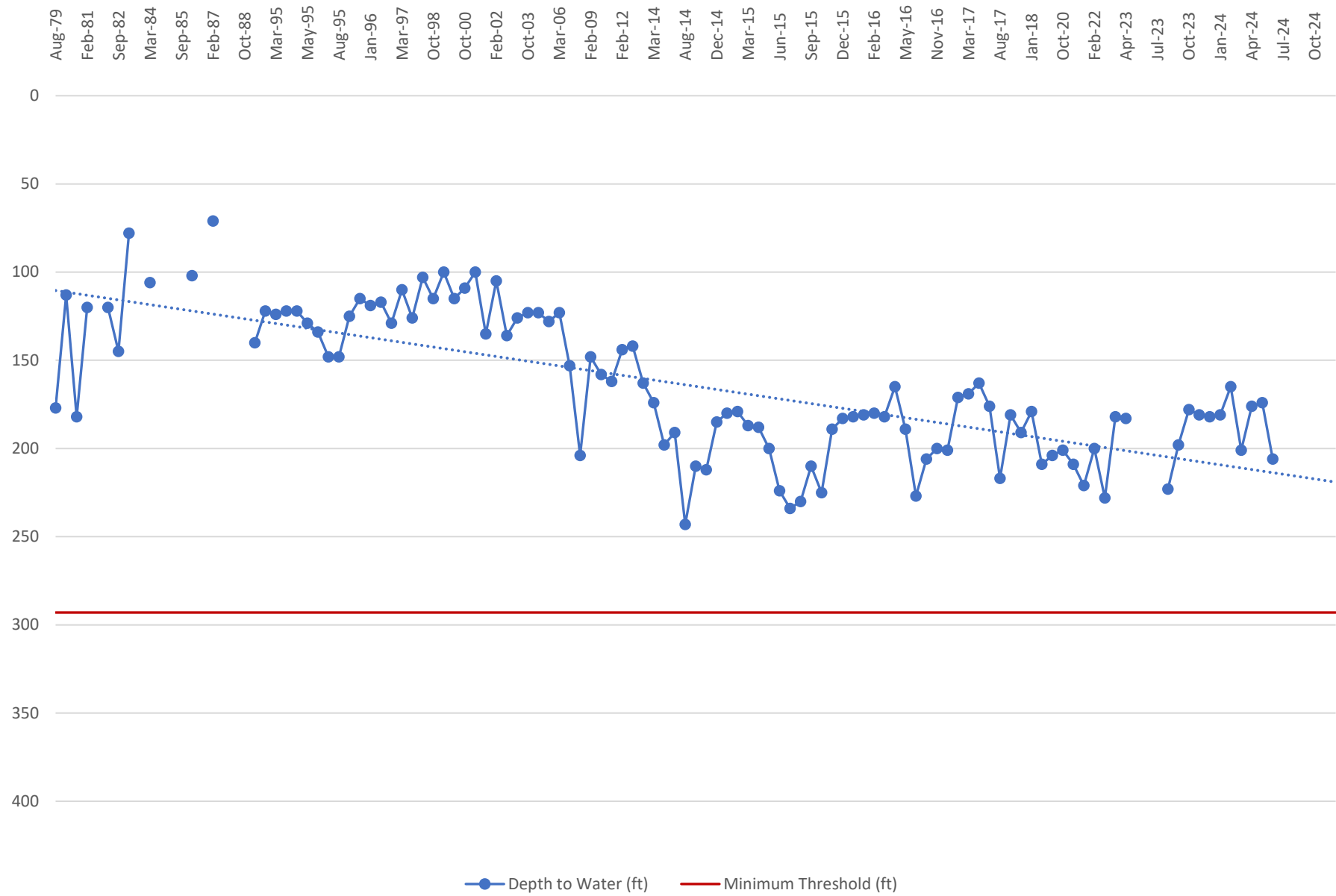


RMW-037 31S/26E-16P

not to exceed 293' (depth to water)

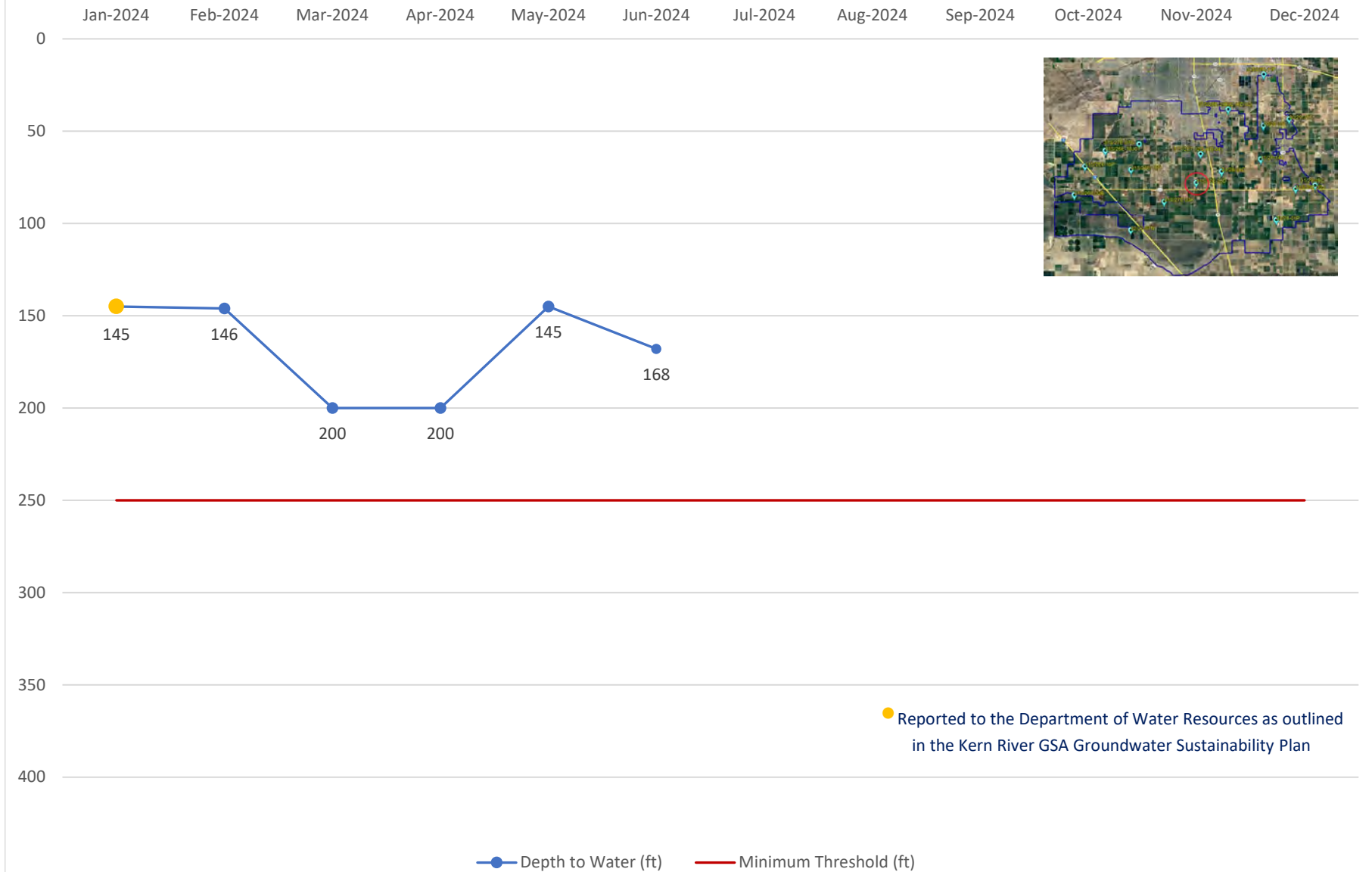


RMW-037 Long-term

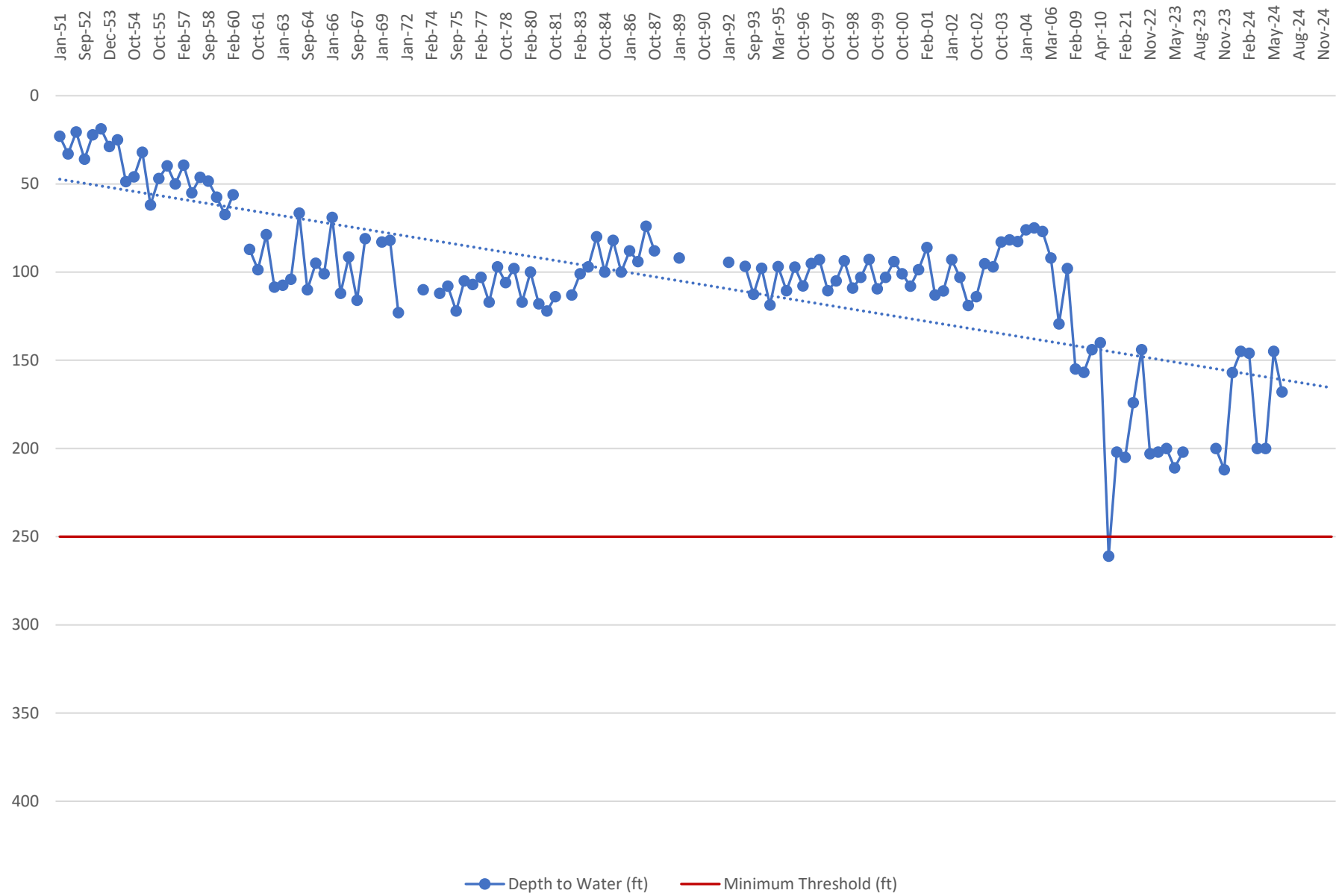


RMW-040 31S/27E-25D

not to exceed 250' (depth to water)

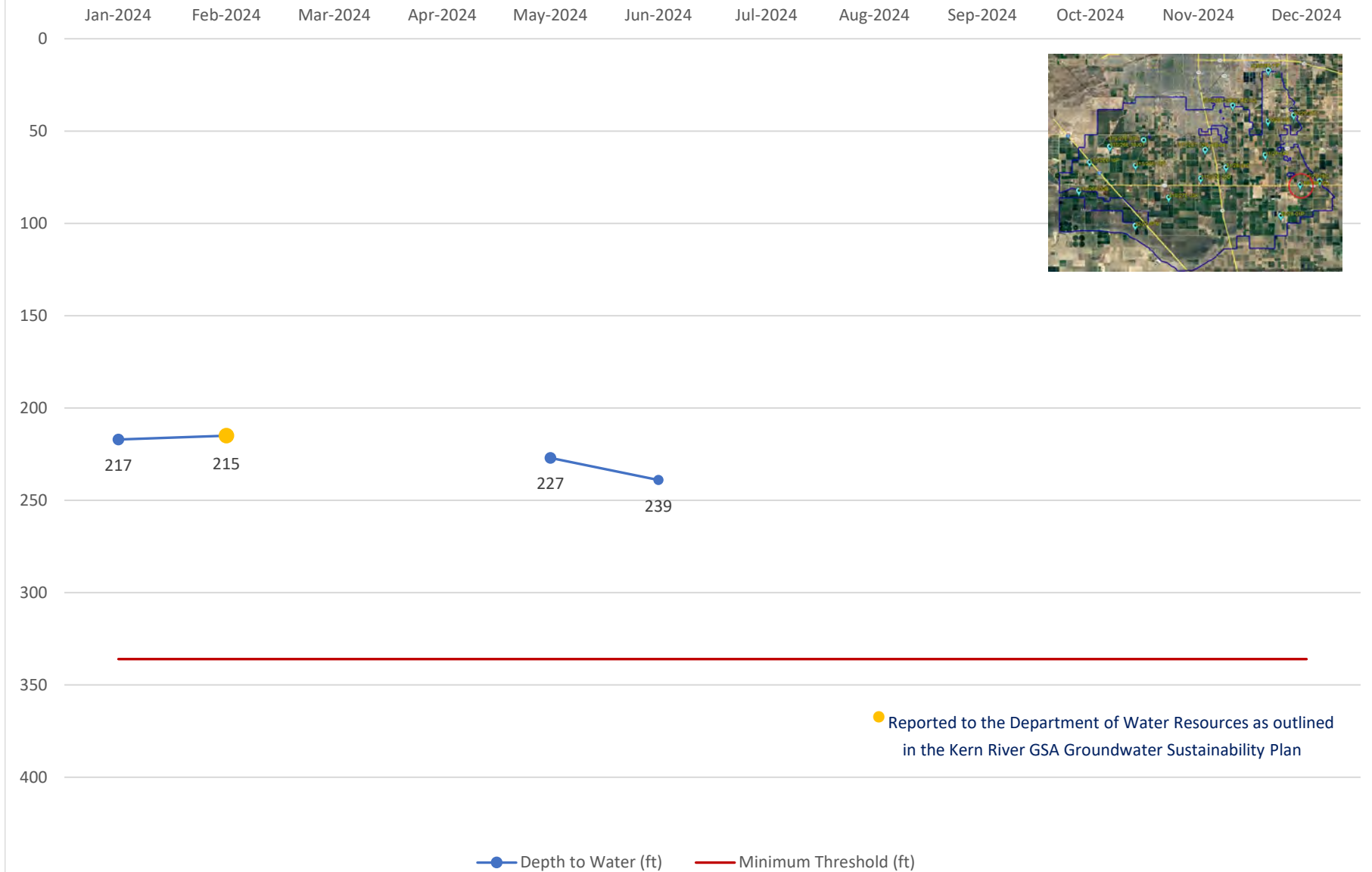


RMW-040 Long-term

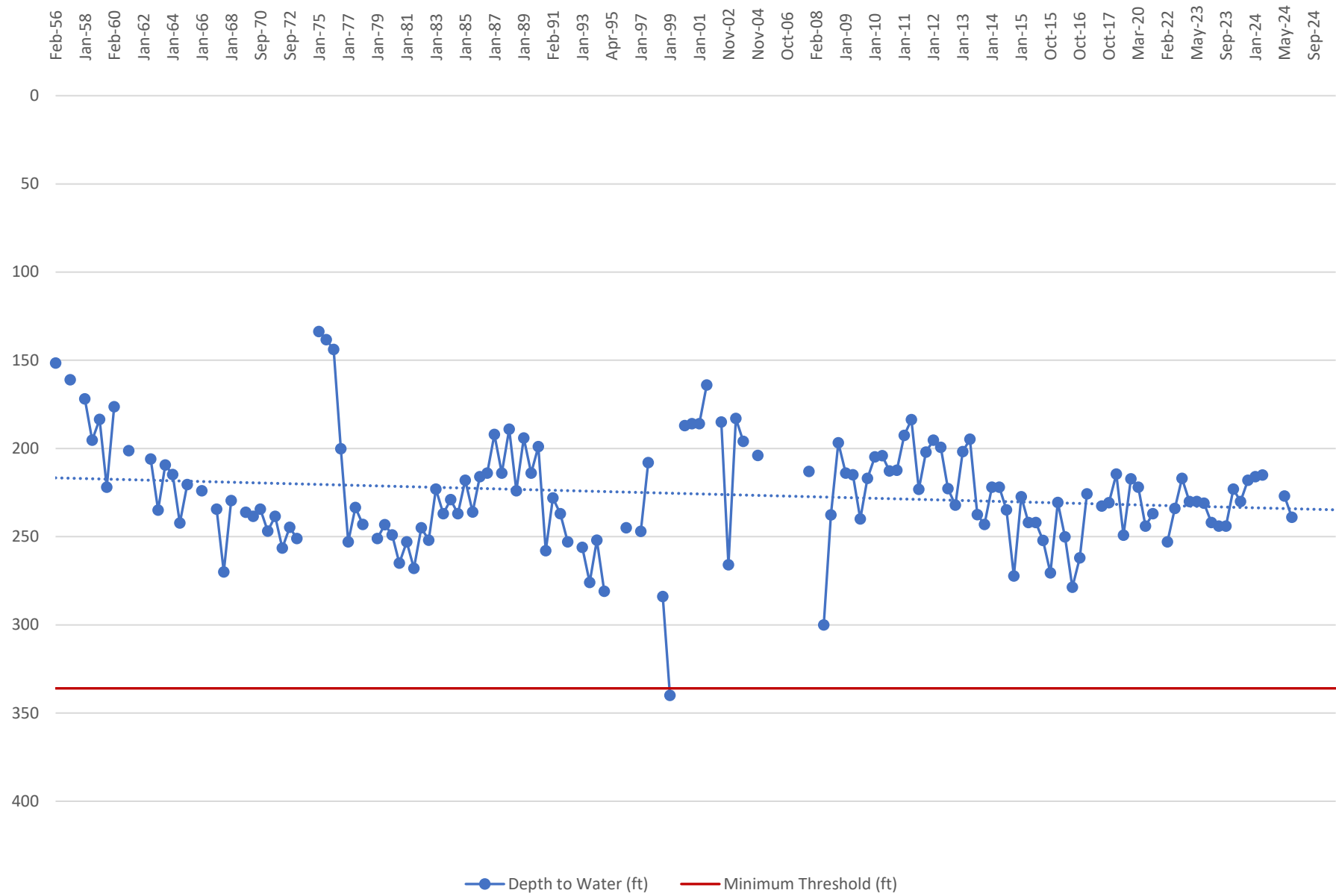


RMW-041 31S/29E-30J

not to exceed 336' (depth to water)



RMW-041 Long-term

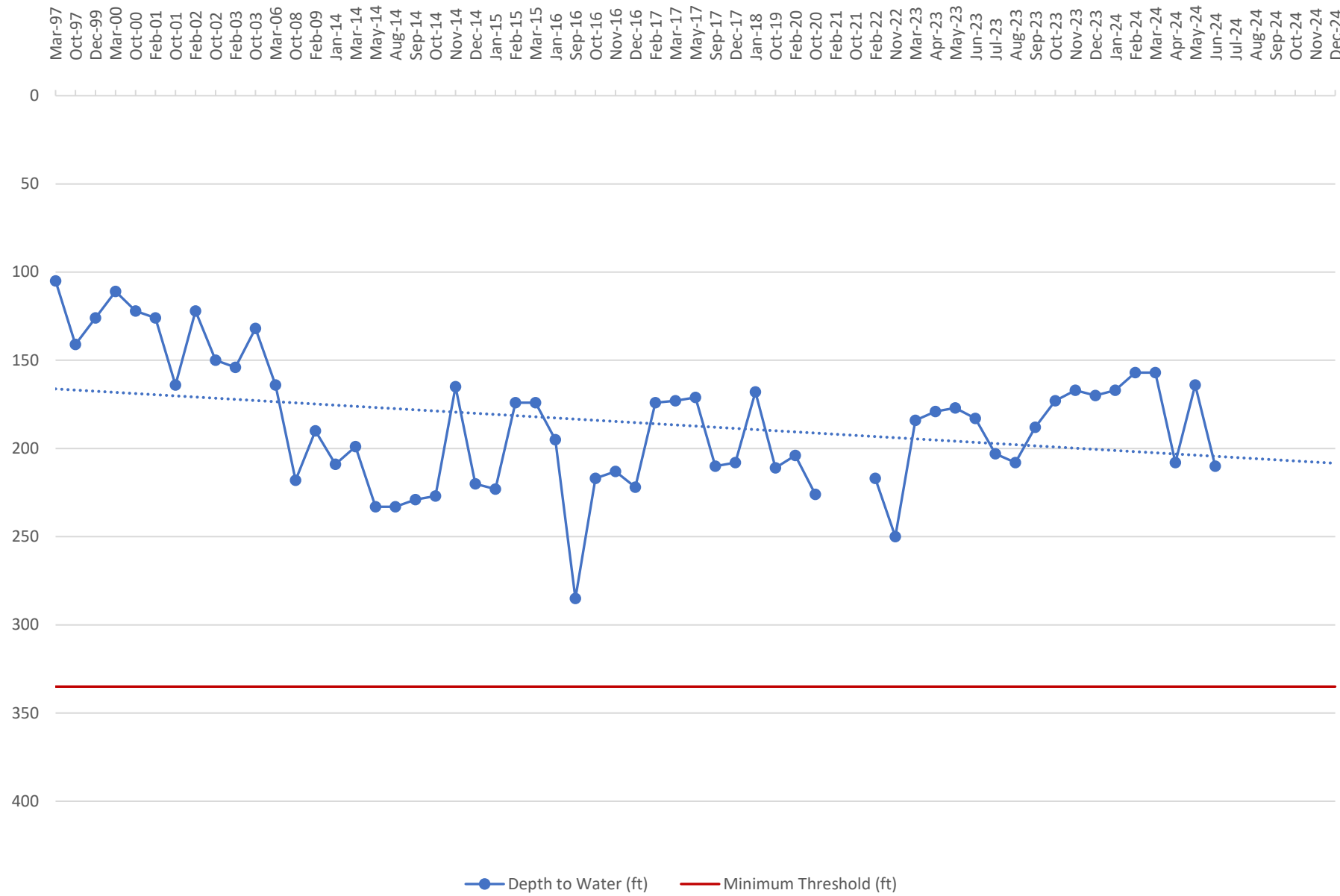


RMW-042 31S/26E-32B

not to exceed 335' (depth to water)

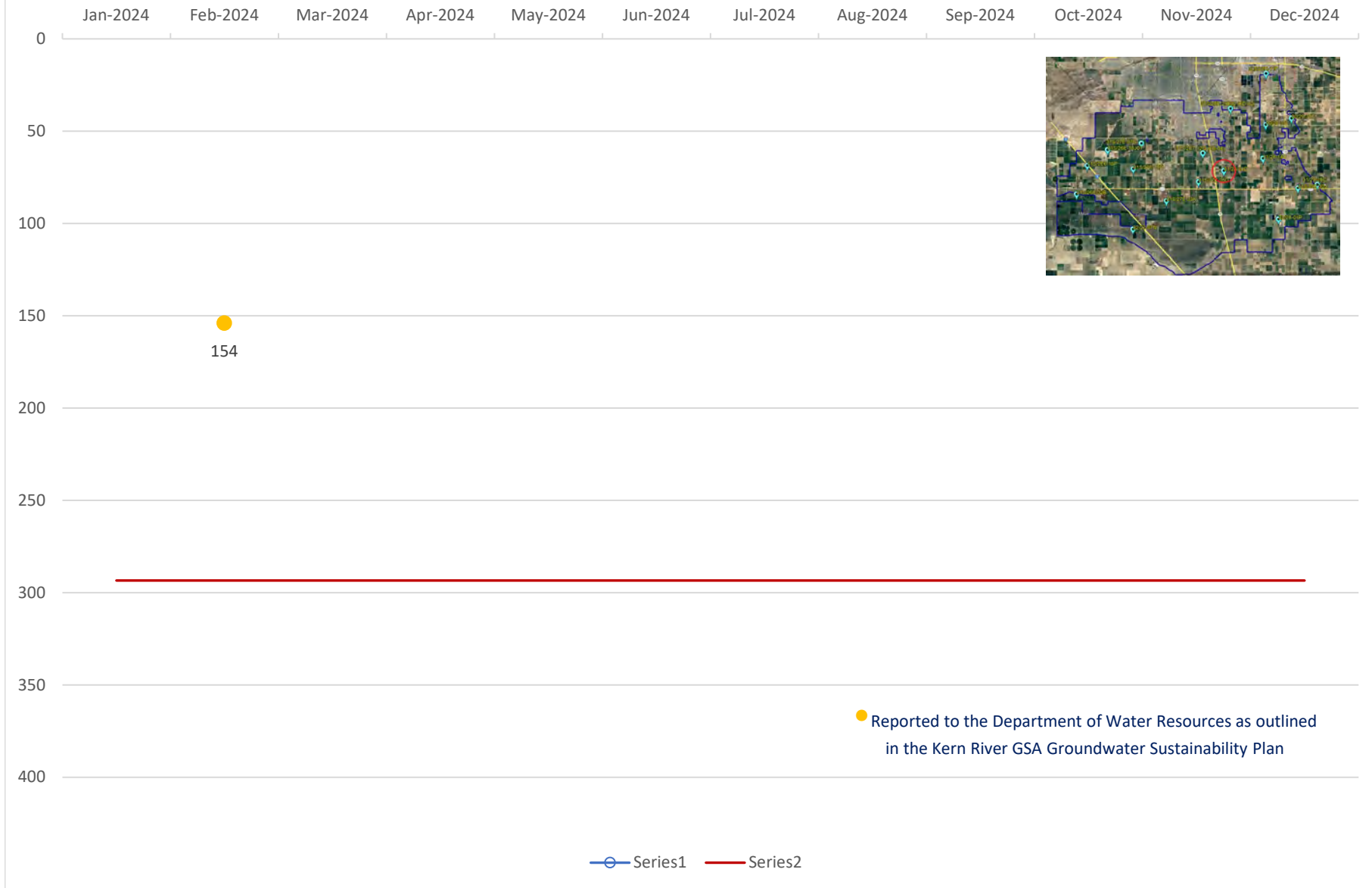


RMW-042 Long-term

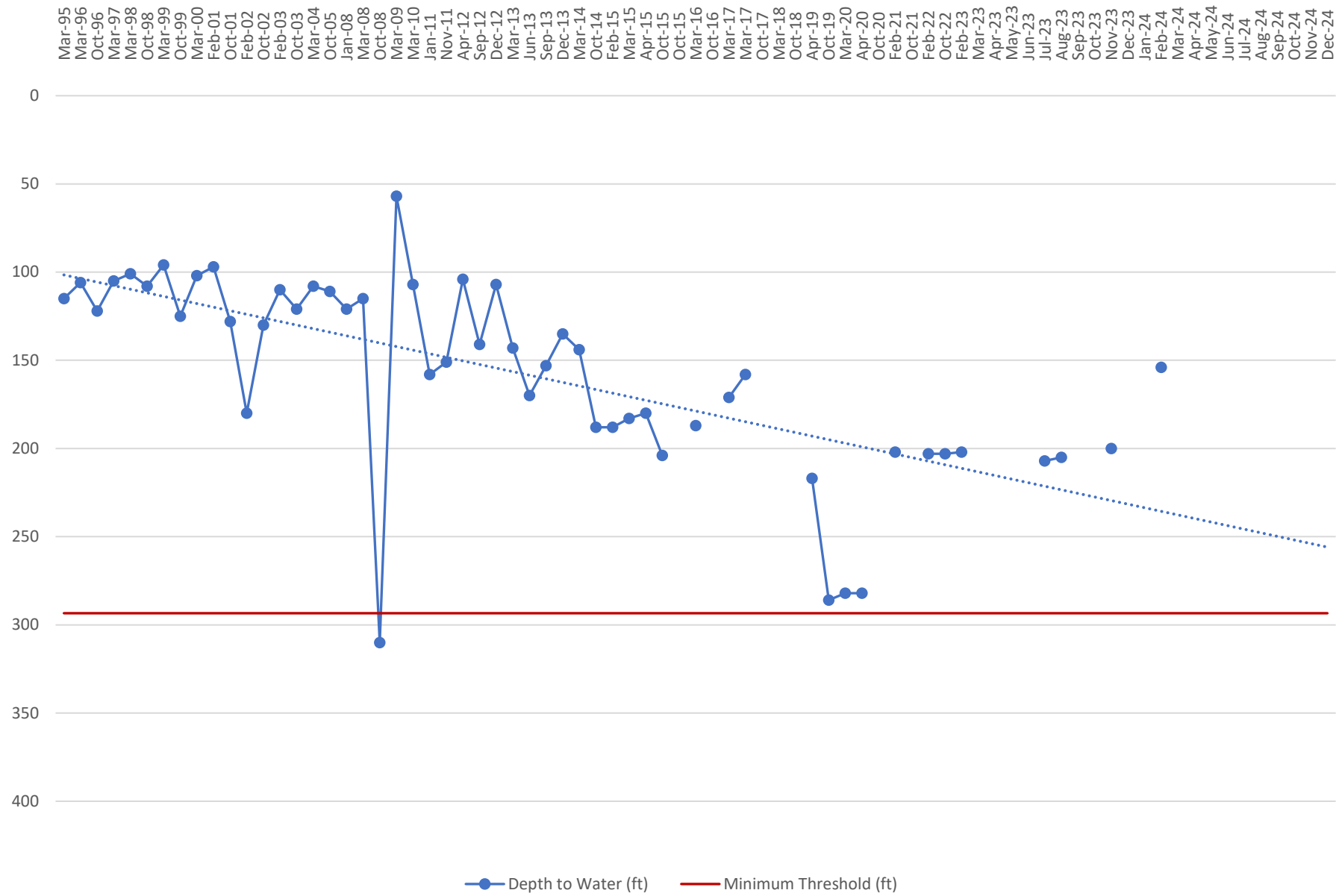


RMW-192 31S/28E-20D

not to exceed 293.4' (depth to water)

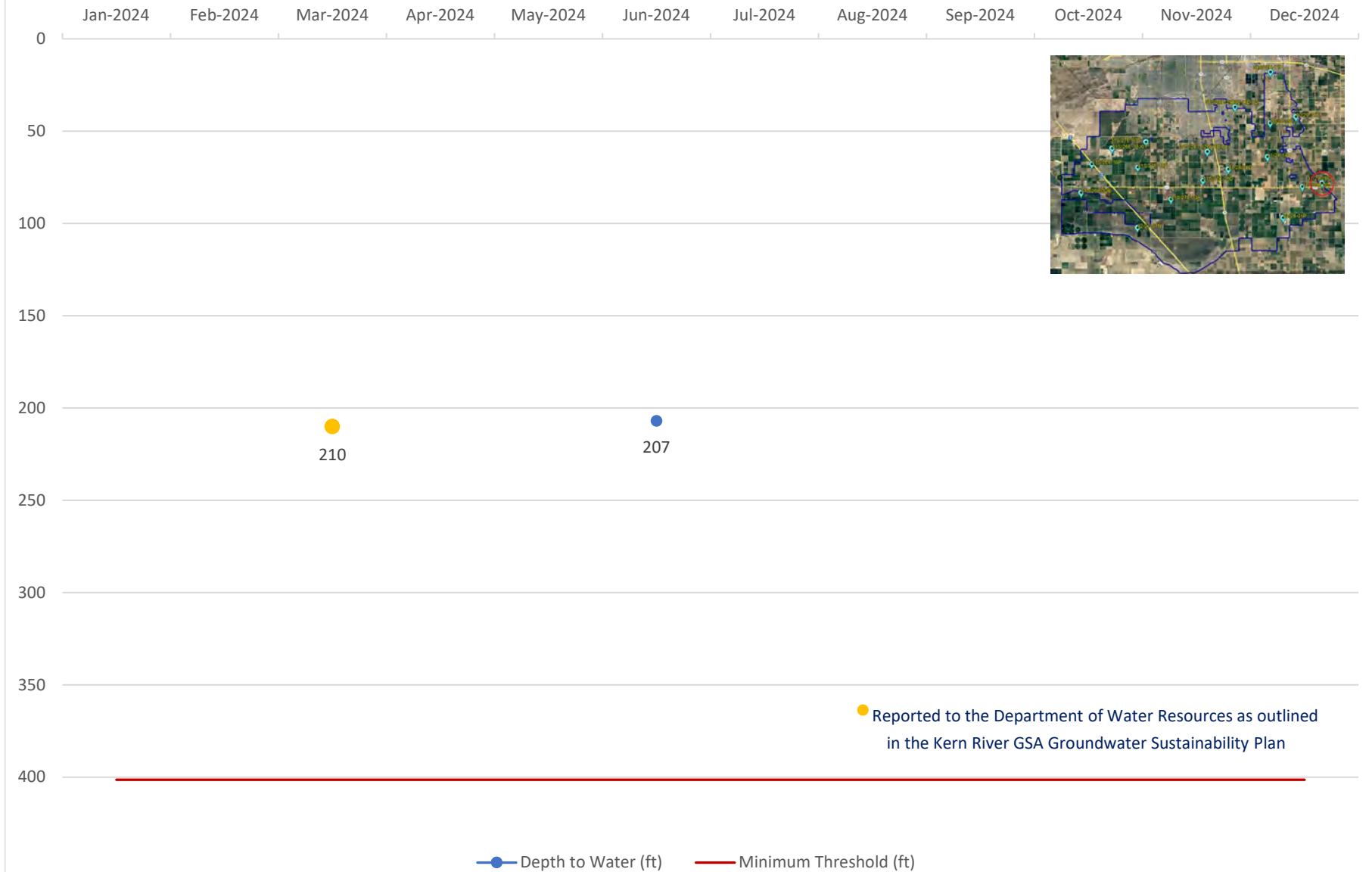


RMW-192 Long-term

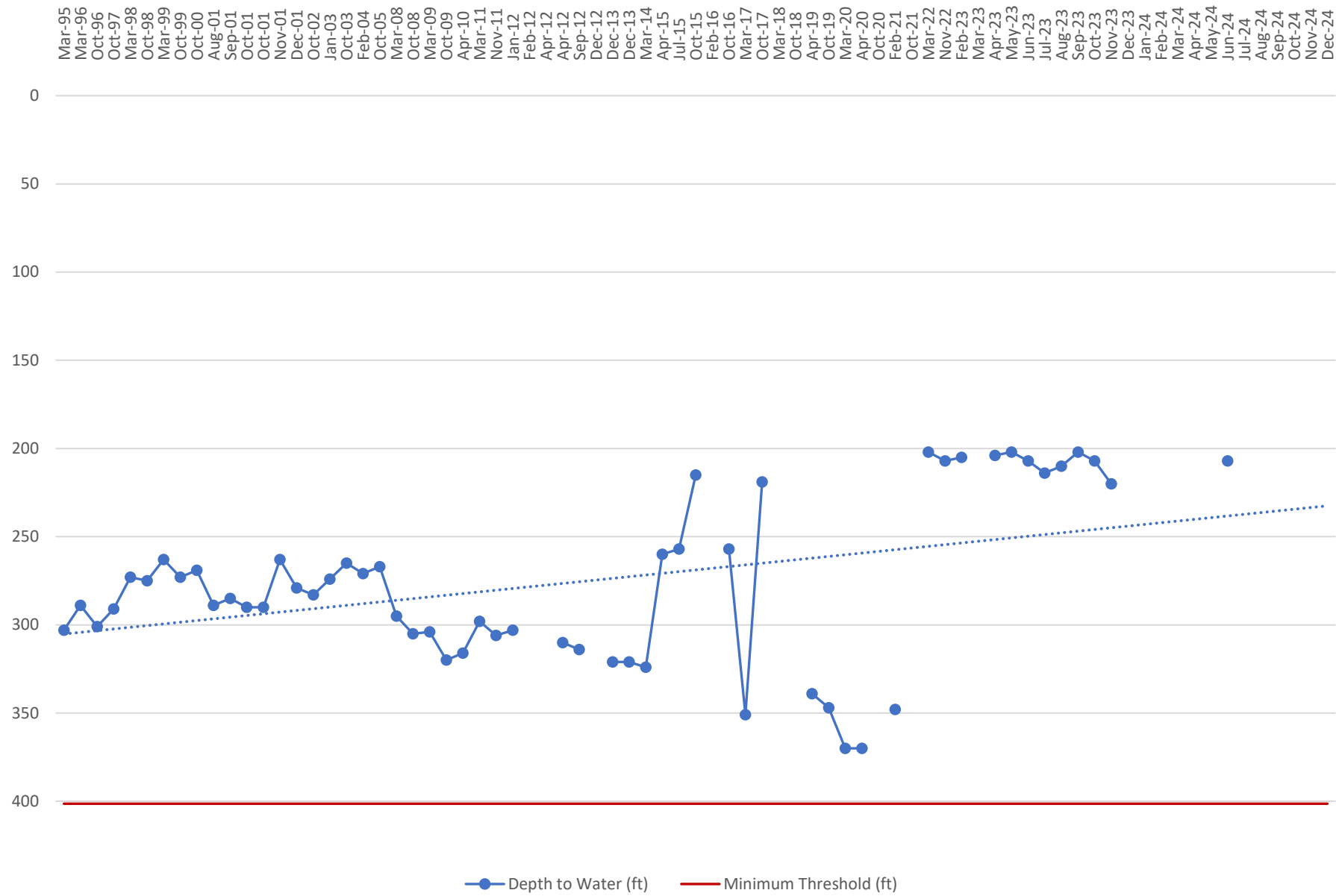


RMW-193 31S/29E-28C

not to exceed 401.4' (depth to water)



RMW-193 Long-term

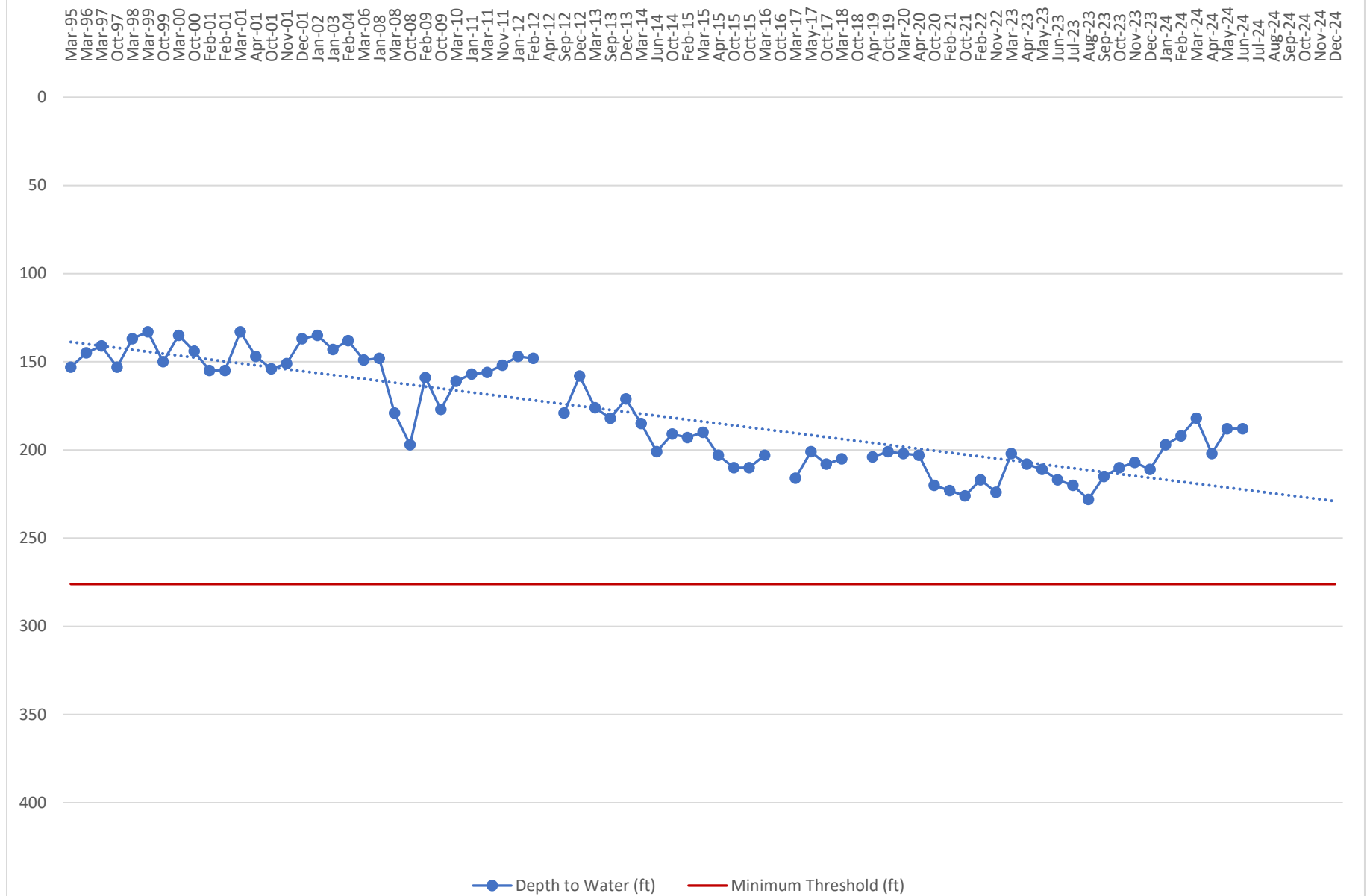


RMW-195 31S/27E-07B

not to exceed 276' (depth to water)



RMW-195 Long-term

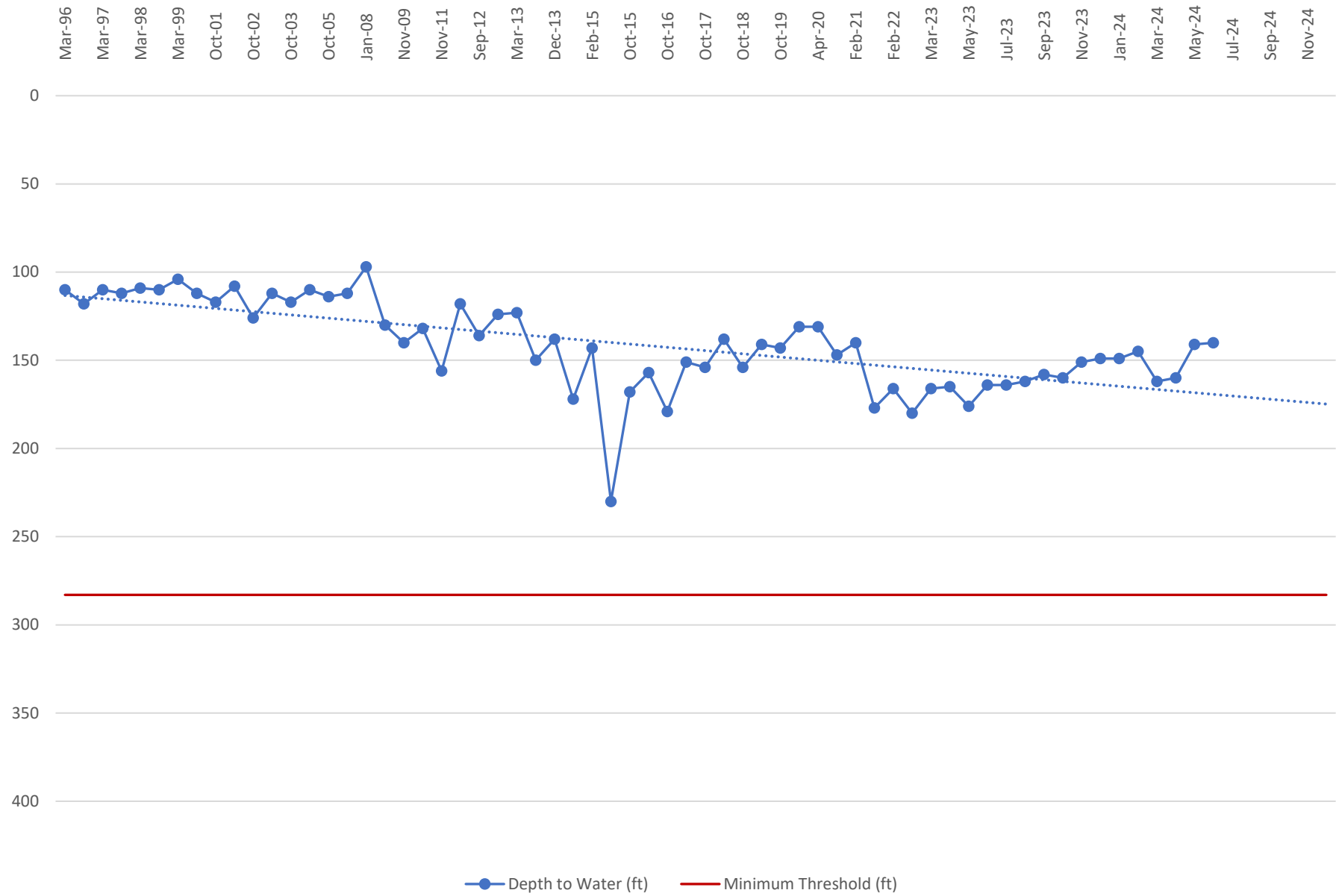


RMW-196 31S/27E-12Q

not to exceed 283' (depth to water)

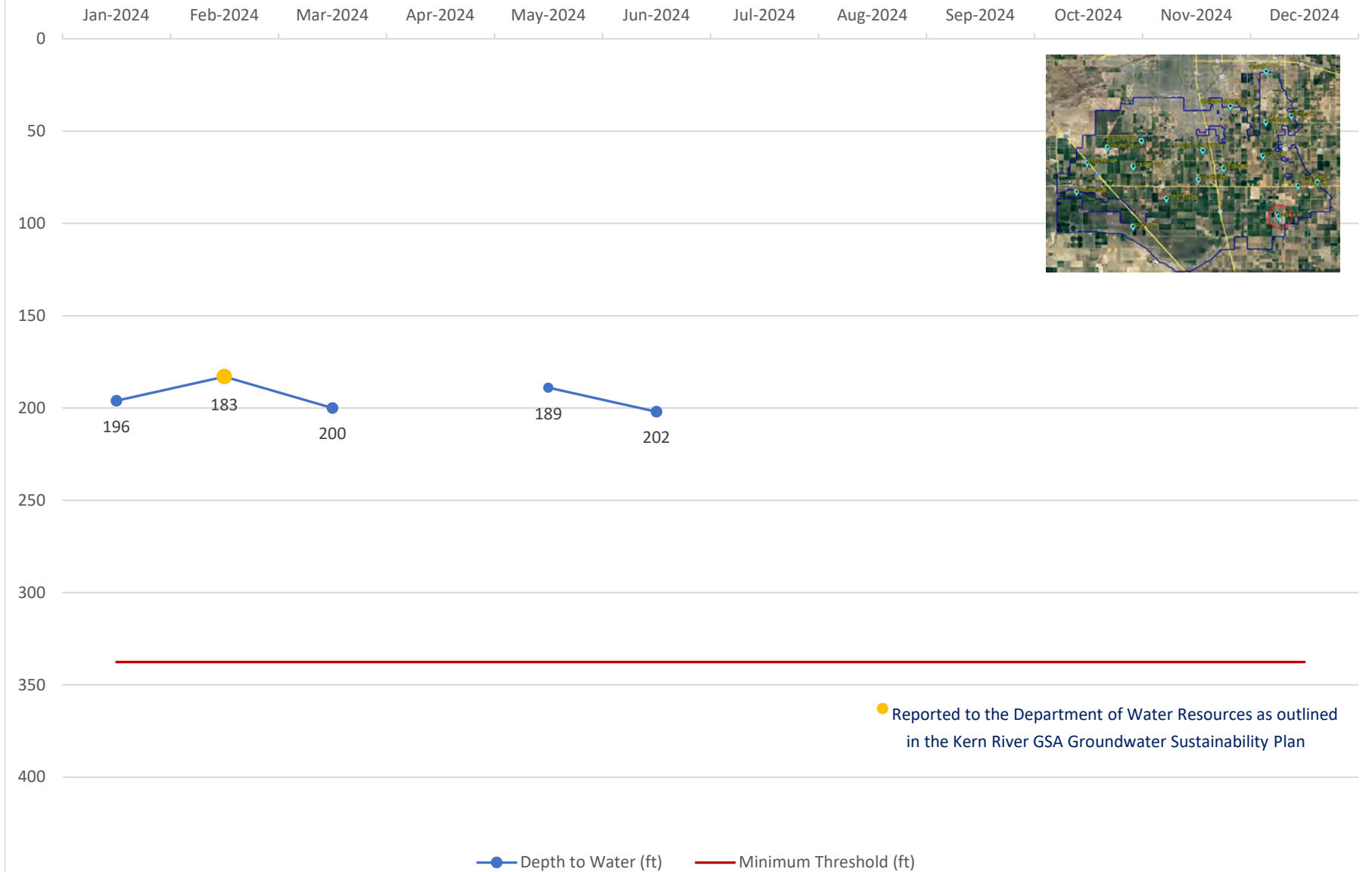


RMW-196 Long-term

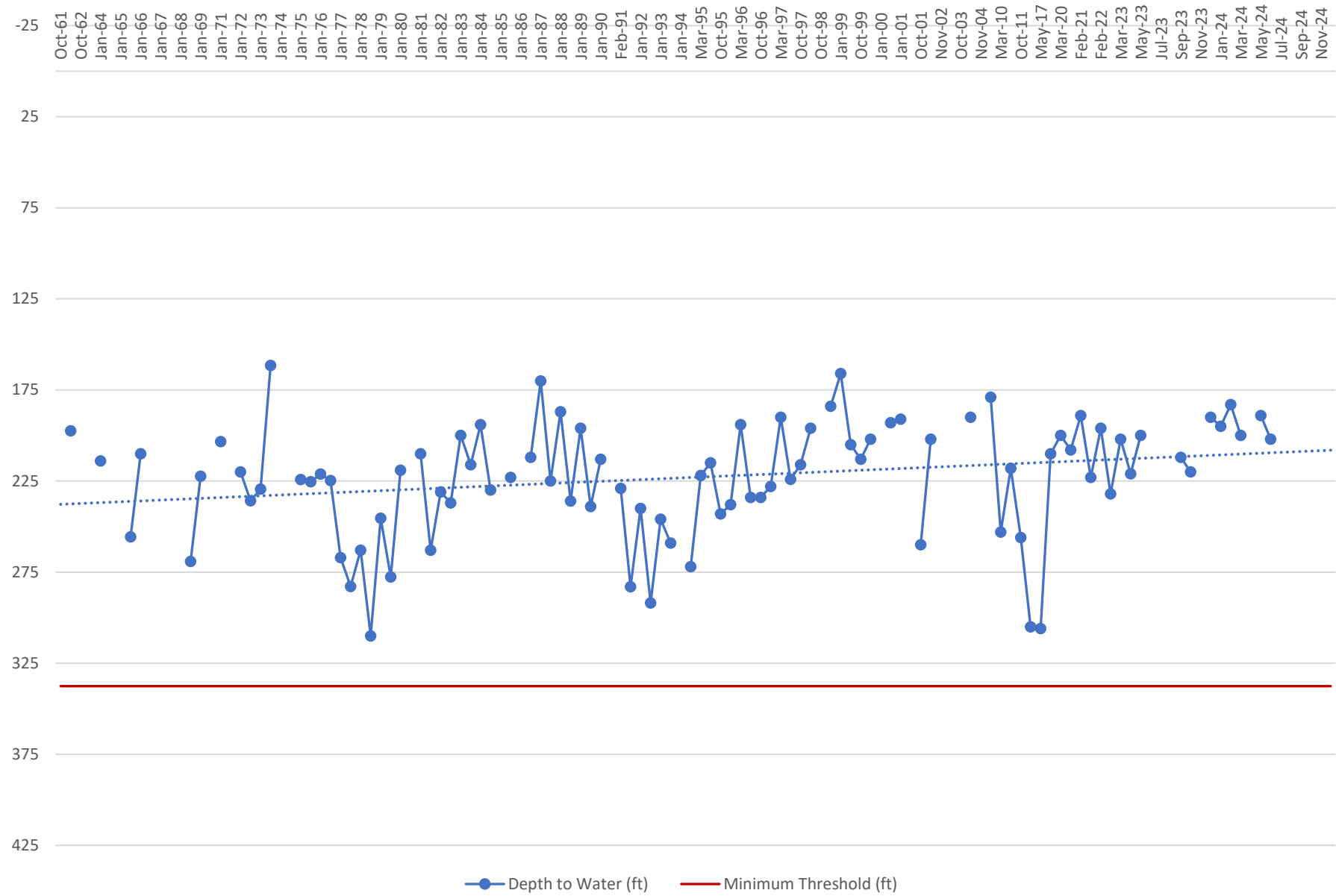


RMW-197 32S/28E-01P

not to exceed 337.6' (depth to water)



RMW-197 Long-term

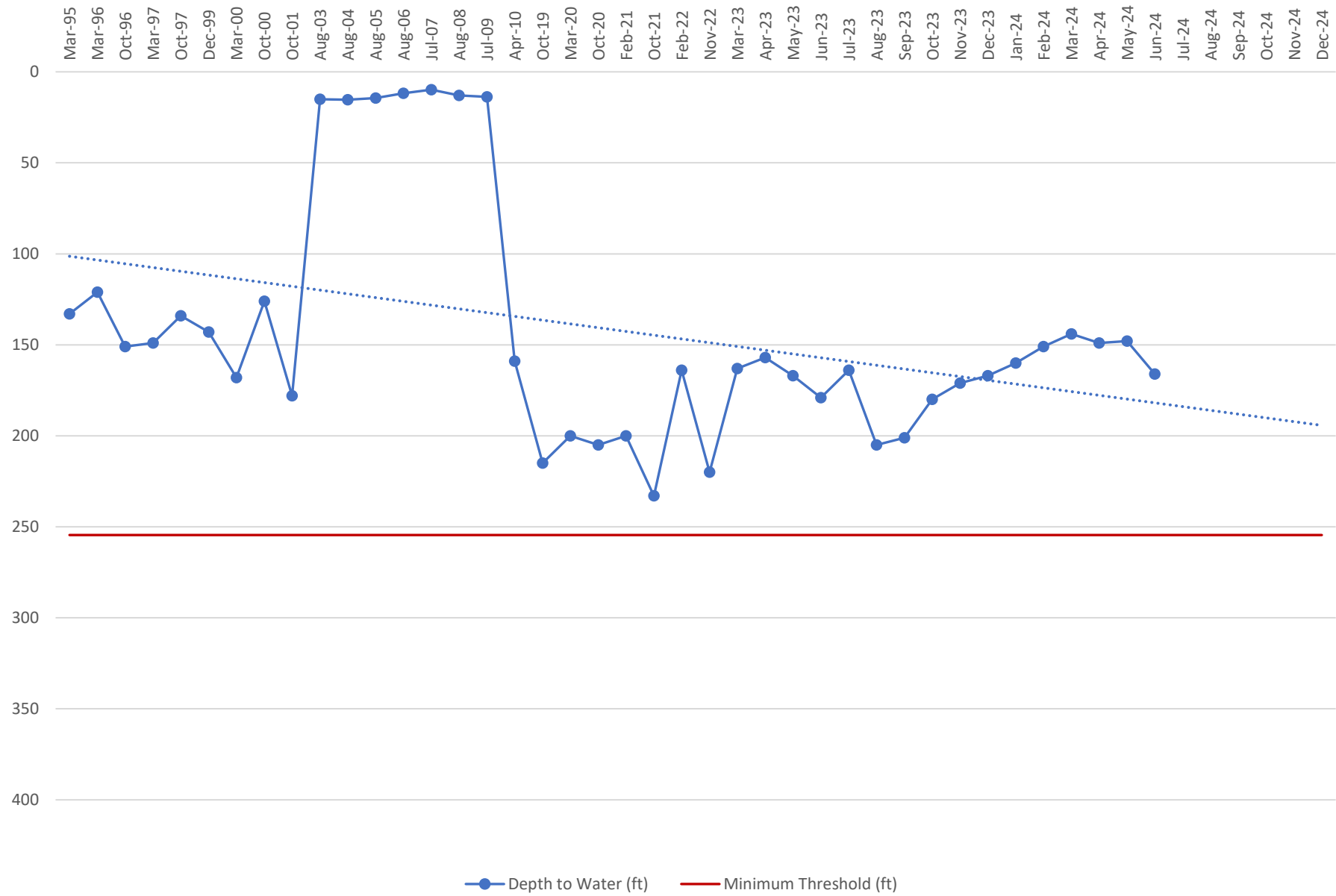


RMW-200 32S/27E-07N

not to exceed 254.5' (depth to water)

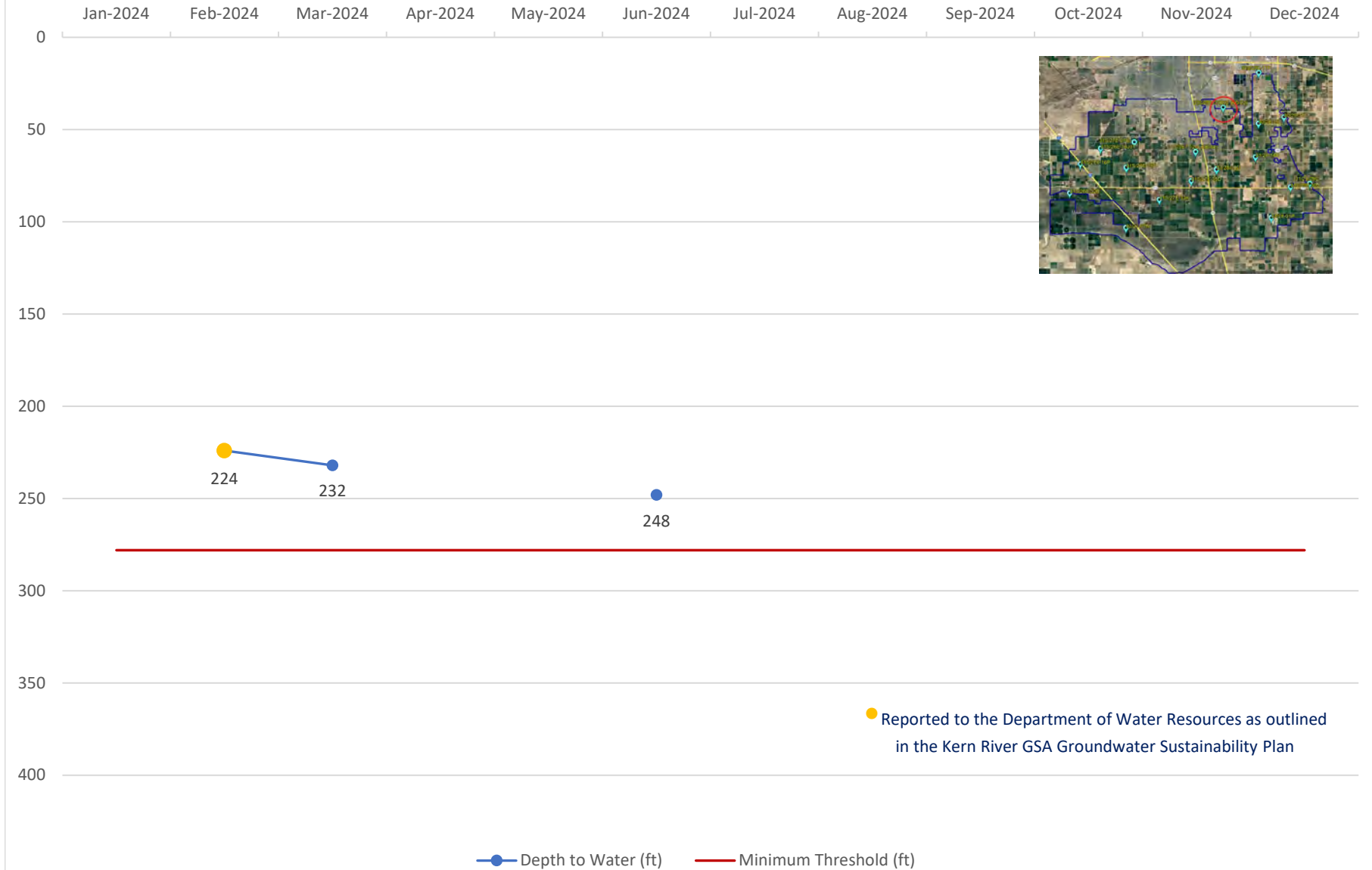


RMW-200 Long-term

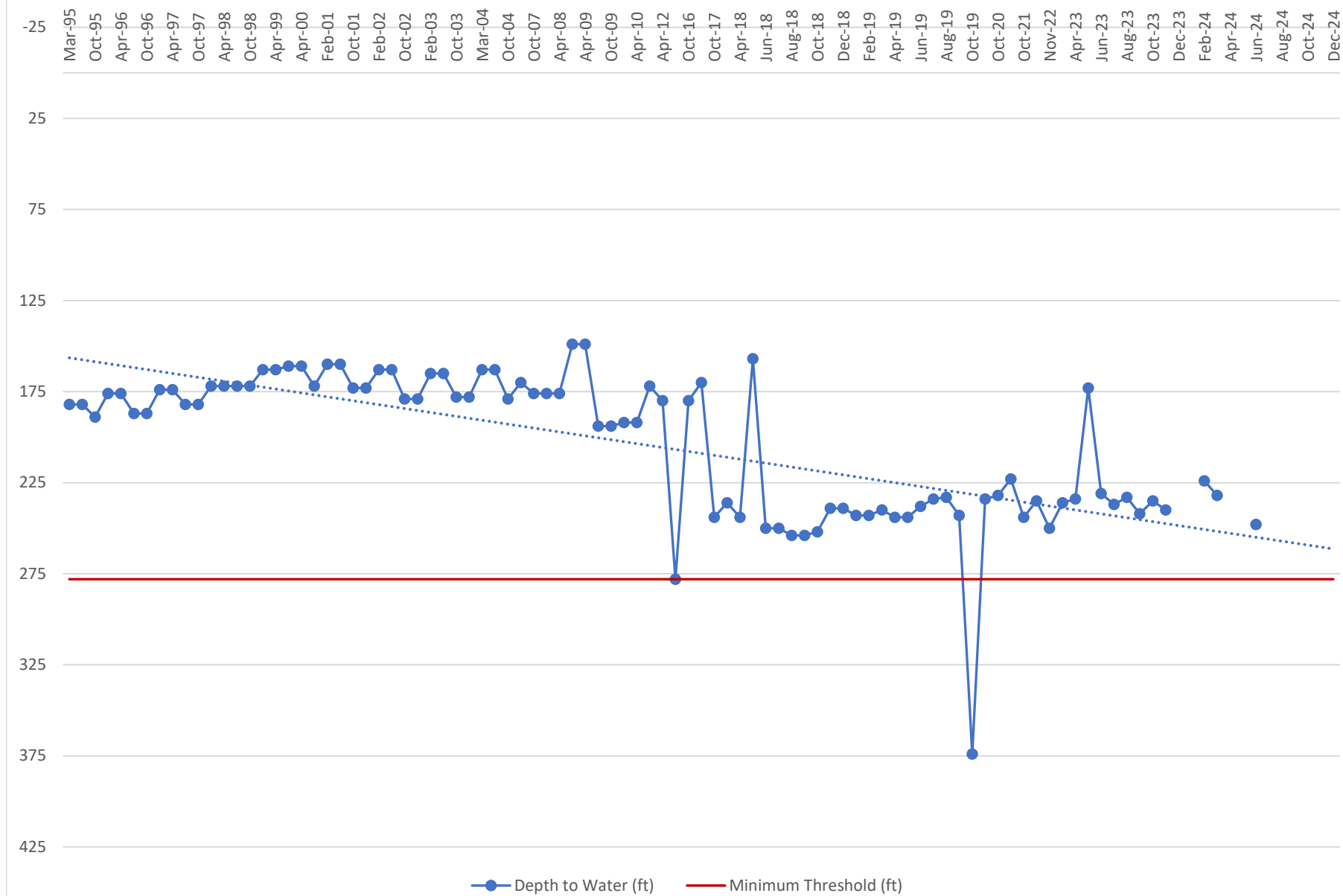


RMW-216 30S/28E-29B

not to exceed 278' (depth to water)

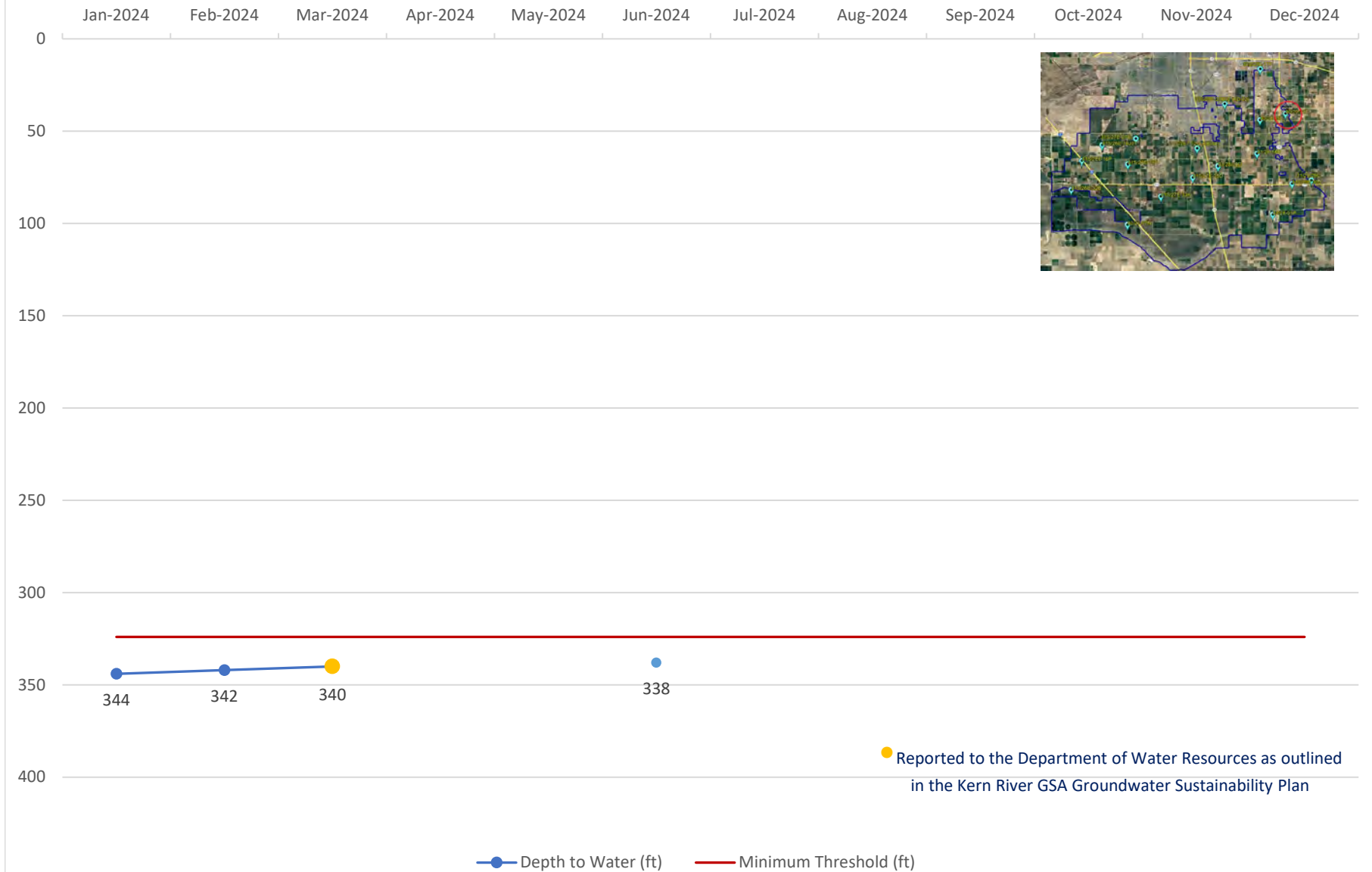


RMW-216 Long-term

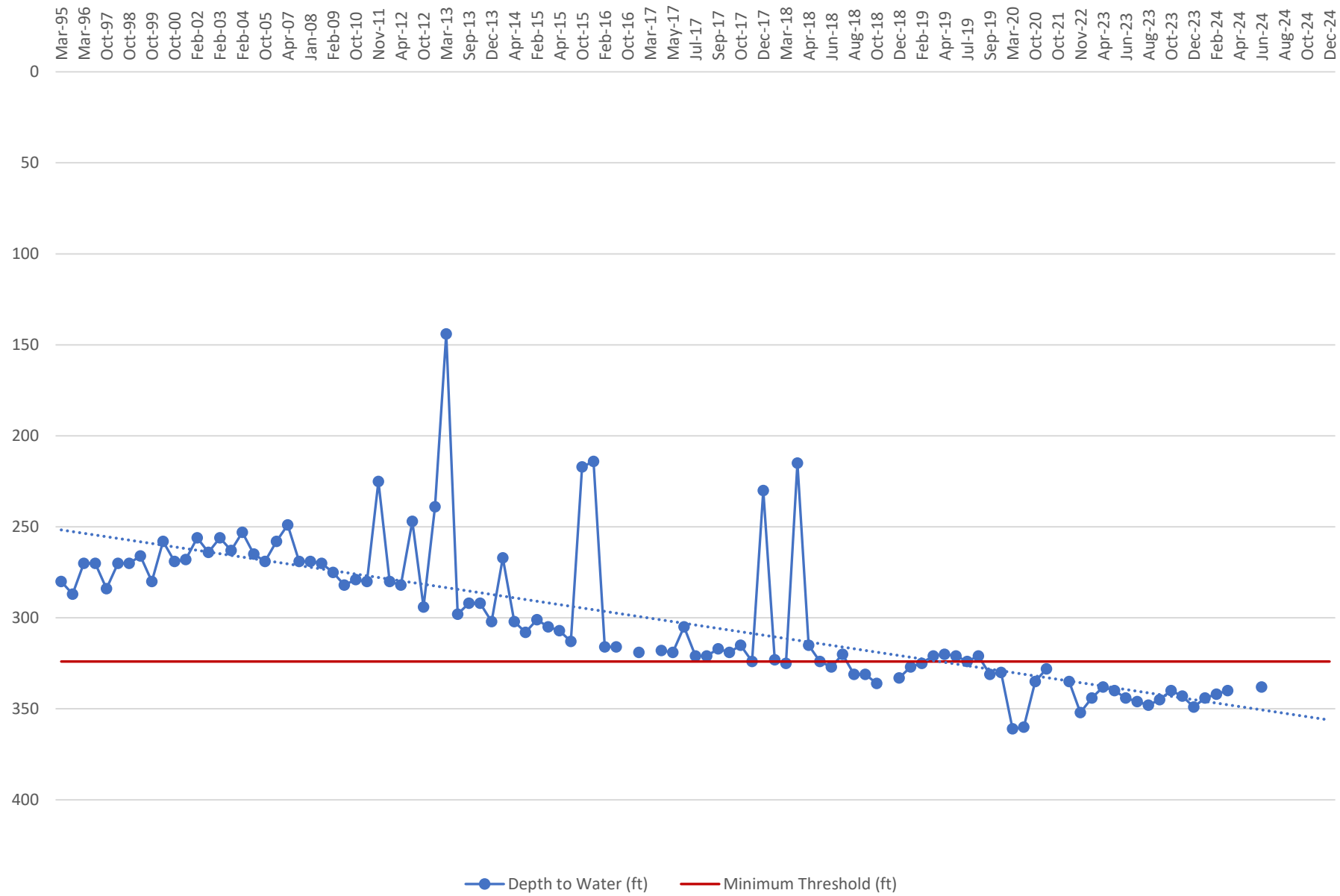


RMW-217 30S/29E-31C

not to exceed 324' (depth to water)

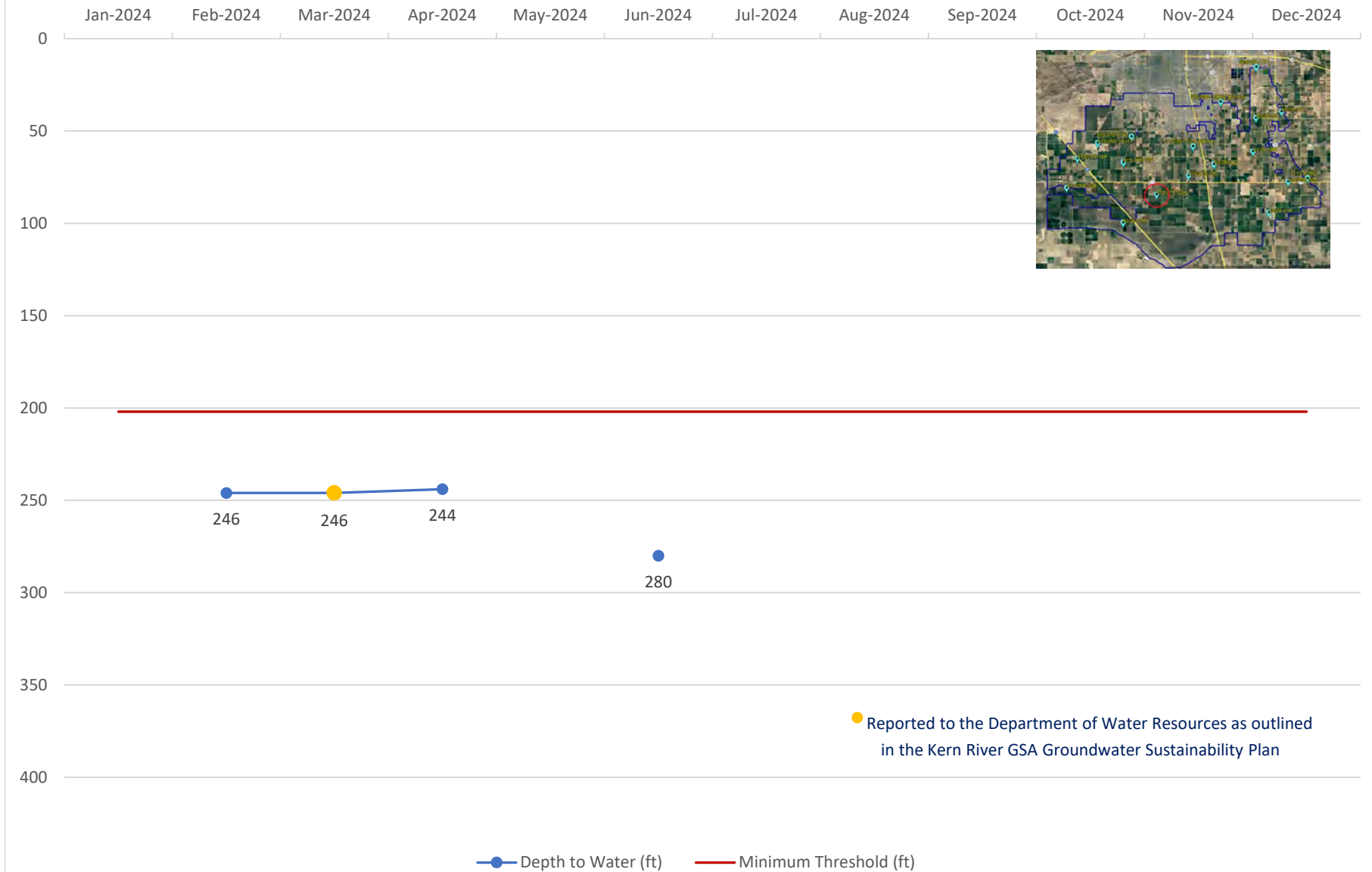


RMW-217 Long-term

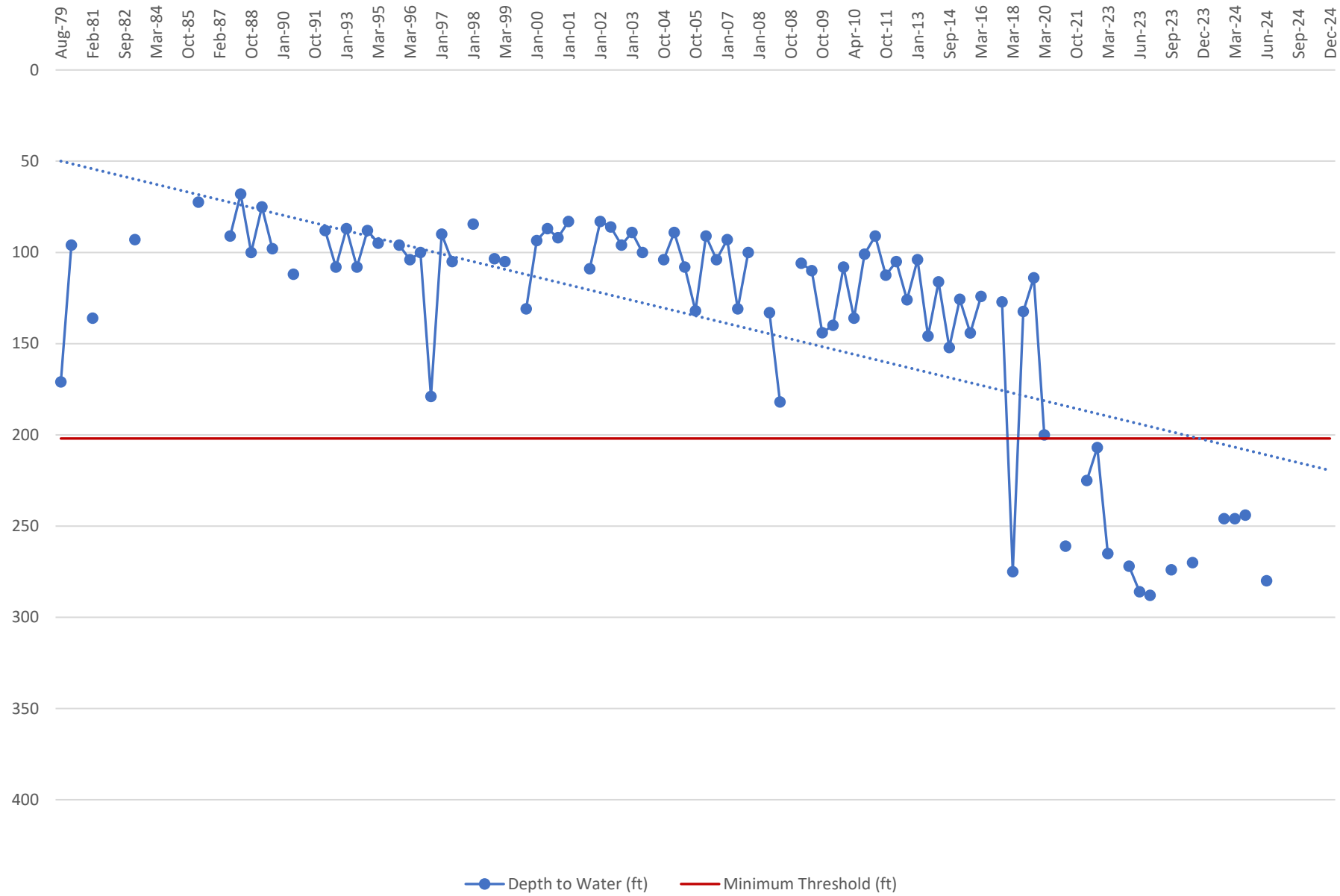


RMW-218 31S/27E-33K

not to exceed 202' (depth to water)

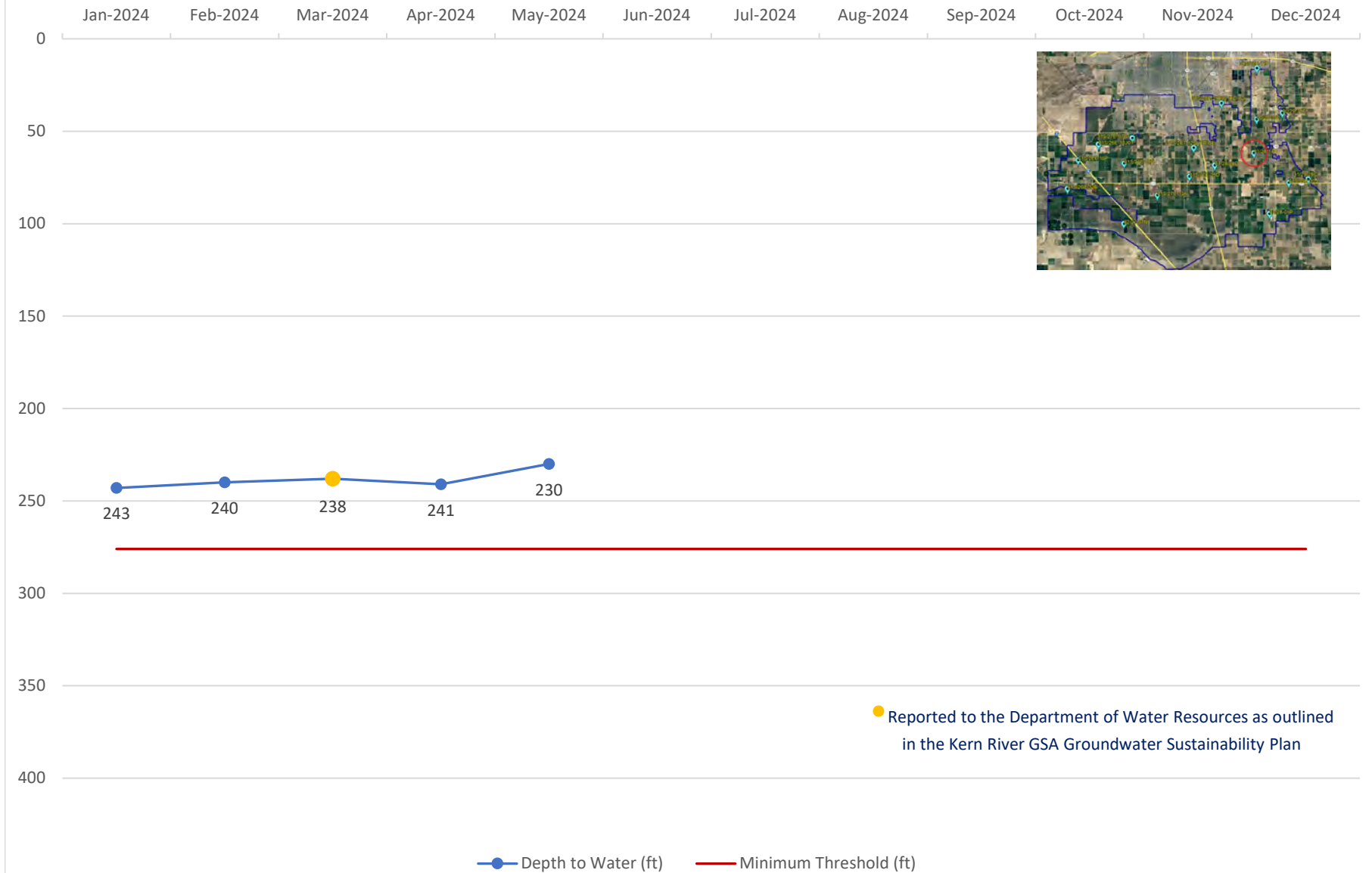


RMW-218 Long-term

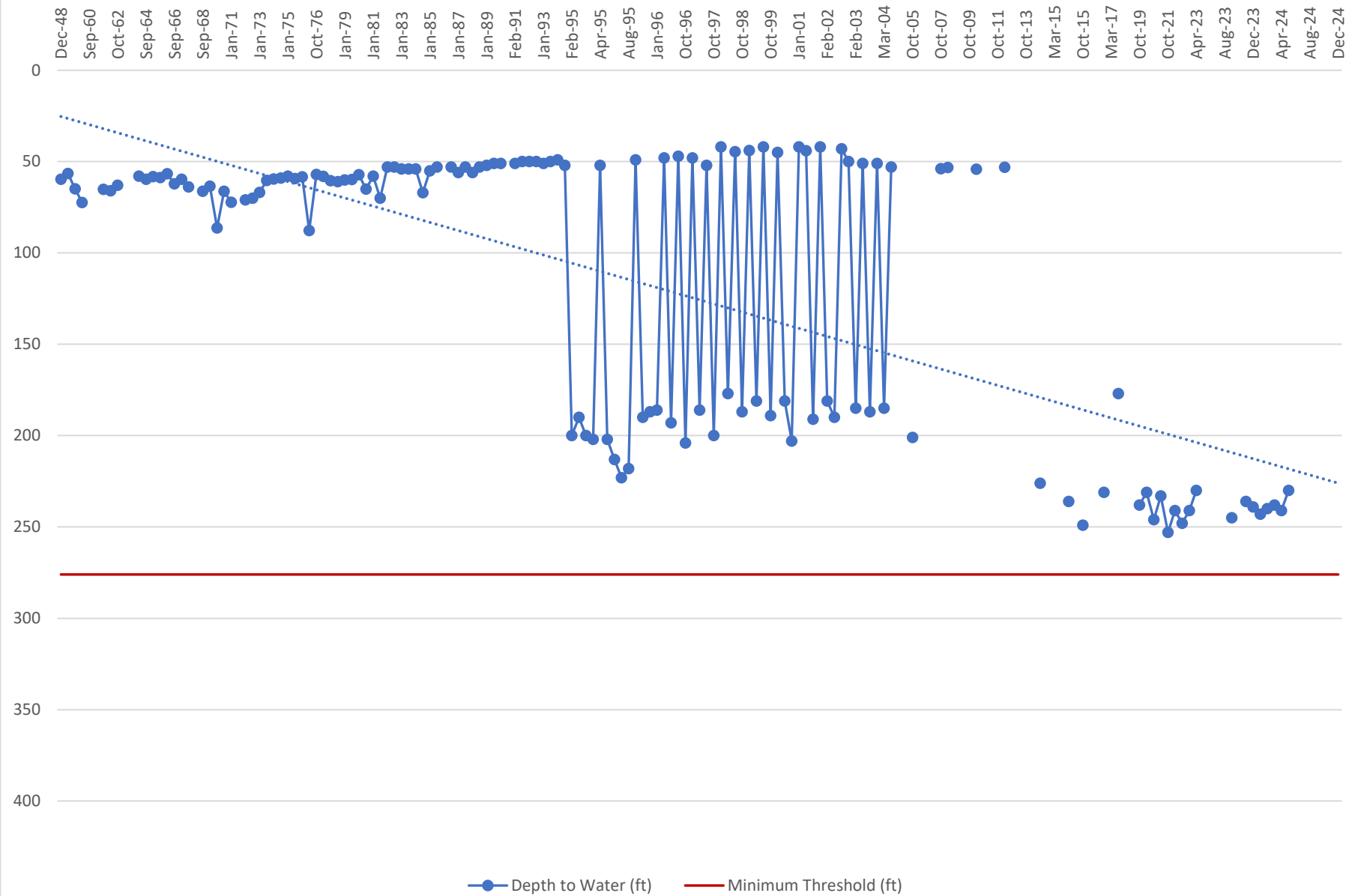


RMW-219 31S/28E-14D

not to exceed 276' (depth to water)



RMW-219 Long-term



Tab VI



June 7, 2024

Via electronic mail

California State Water Resources Control Board
Attn.: Courtney Tyler, Clerk to the Board
P.O. Box 100
Sacramento, CA 95812-0100
Board.Clerk@waterboards.ca.gov

Re: Kern County Subbasin Final Draft Amended Groundwater Sustainability Plan

Dear Chair Esquivel and Members of the Board,

As follow-up to the letter sent March 29, 2024, the Kern County Subbasin (Subbasin) Groundwater Sustainability Agencies, including their Management Areas (collectively, Kern GSAs) are pleased to inform the State Water Resources Control Board (SWRCB or Board) Members that they have completed and submitted to SWRCB Staff a final draft of an amended Kern County Subbasin Groundwater Sustainability Plan (Amended Subbasin Plan or Plan). The Amended Subbasin Plan is the product of many months of collective and collaborative work, undertaken in coordination with SWRCB Staff, to revamp the Revised 2020/2022 Groundwater Sustainability Plans (GSP) to remedy deficiencies previously identified by the Department of Water Resources (DWR).ⁱ

The Kern GSAs believe the Amended Subbasin Plan accomplishes the Subbasin's stated aim to develop "a well-explained Plan that will be implemented in a coordinated manner" to achieve sustainable groundwater management locally as required by the Sustainable Groundwater Management Act (SGMA).ⁱⁱ The Executive Summary for the Plan is appended hereto as Attachment 1.

The Kern GSAs reiterate the March 29th request that the Board consider, and direct SWRCB Staff to evaluate, the Amended Subbasin Plan as the basis for any staff report or decision whether to hold a probationary hearing for the Subbasin in January 2025.ⁱⁱⁱ We have also published the Plan for public review and comment and intend to conduct additional stakeholder outreach this summer, prior to convening public hearings to consider the Plan for adoption this fall.^{iv}

The March 29 letter included a detailed overview of how the Kern GSAs addressed the DWR identified deficiencies in an amended Plan and a crosswalk to show where elements were addressed in previous plans and in this plan.^v In the interest of brevity, the Kern GSAs briefly highlight some key elements of the Amended Subbasin Plan below.

As with prior plan submittals, the Amended Subbasin Plan was submitted as multiple GSPs alongside a coordination agreement. However, in contrast to prior submittals, all the GSPs that comprise the Amended Subbasin Plan rely on the same data and

methodologies for defining sustainable management criteria (SMCs) and undesirable results.^{vi} This has led to uniform definitions for SMCs and undesirable results that will apply to the entire Subbasin.^{vii} See Attachment 1, p. ES-10. Furthermore, where independent plans were submitted, the plans indicate where supplemental information was included by presenting that information on clearly marked blue pages.

In addition to providing uniformity, the Kern GSAs have revised the definitions for SMCs and undesirable results to address deficiencies that DWR identified as not satisfying the requirements of SGMA and implementing regulations. See Attachment 1, pp. ES-12 – ES-15. The Kern GSAs have also revised the SMCs and undesirable results definitions for water quality in response to SWRCB Staff's feedback.^{viii} See *id.* at ES-13. In other words, the revised SMCs and undesirable results definitions are more consistent *and* more protective of beneficial uses and users of groundwater, with higher Minimum Thresholds (MTs) than the prior GSPs.

The Amended Subbasin Plan includes improvements to the Subbasin's Monitoring Network, such as expanded coverage through increased spatial distribution and density of representative monitoring wells and sites for water levels, water quality, and subsidence. These improvements will produce more robust monitoring data which, in turn, will facilitate more accurate assessments of Sustainability Indicators throughout the Subbasin and more effective adaptive management over the planning horizon. See *id.* at ES-15. The Amended Subbasin Plan also incorporates a new MT Exceedance Policy, which not only provides that all GSAs will be notified of any MT exceedance detected by the monitoring, but also increases the responsible GSA's accountability for promptly implementing measures to investigate and address the MT exceedance before it triggers an undesirable result or impairs the Subbasin's ability to achieve its Sustainability Goal.^{ix} See *id.*

Lastly, the Amended Subbasin Plan also includes more detailed description of each GSA's portfolio of Projects and Management Actions (P/MAs), and more rigorous analysis to validate projections that the GSAs' implementation of the P/MAs should be more than sufficient to address the Subbasin's water budget deficit.^x And although the GSAs' portfolios include a mix of demand reduction and water supply augmentation, overall, the Plan shows the Subbasin will rely on demand reduction to make up 80 percent of the water budget deficit. See *id.* at ES-16.

The Kern GSAs believe the Amended Subbasin Plan, with the changes highlighted above, is an adequate^{xi} and successful^{xii} plan. It shows how the Kern GSAs will implement their responsibilities "for achieving long-term sustainable management of their groundwater basins" by 2040.^{xiii}

The Kern GSAs presented the Plan to SWRCB Staff on May 29, 2024, and also desire the opportunity to present it to individual Board Members.^{xiv} The Kern GSAs also look forward to receiving comments from Board Members, SWRCB Staff, and other stakeholders that will further improve the Plan prior to it being considered for adoption

this fall. As it is intended to be adopted to supersede the Subbasin's Revised 2020/2022 GSPs before January 2025, the Kern GSAs request again that the Board consider, and direct SWRCB Staff to evaluate, the Amended Subbasin Plan as the basis for any staff report or decision whether to hold a probationary hearing for the Subbasin in January 2025.

The Kern GSAs appreciate the Board's consideration and seek your further assistance in avoiding state intervention. If you have any questions regarding this letter or the Amended Subbasin Plan, please contact the Plan Manager, Kristin Pittack, MS, at (760) 223-5062 or kpittack@rinconconsultants.com.

Respectfully submitted,



Kristin Pittack, MS
Kern County Subbasin Plan Manager/Point of Contact

cc:

Kern GSAs	Director
Arvin-Edison	Derek Yurosek dyurosek@bolthouseproperties.com
Wheeler Ridge	Michael Blaine michael.blaine@pgim.com
Tejon Castac	Mark Valpredo mbvalpredo@gmail.com
Kern Delta	Rodney Palla rodney@rpfarms.com
City of Bakersfield	Bob Smith bobsmith727@icloud.com
KCWA ID4	Gene Lundquist glundquist@kcwa.com
Southern San Joaquin	Brandon Morris brandon@bdmorrisfarms.com
Shafter-Wasco/ 7th Standard Annex	Randy Bloemhof randy@supremealmonds.com
North Kern	Kevin Andrew kandrew@illumag.com
Cawelo	John Gaugel John.Gaugel@wonderful.com

California State Water Resources Control Board

June 7, 2024

Page 4

Westside District Water Authority	Rob Goff rob.goff@wonderful.com
Semitropic	Dan Waterhouse dan@neuhousefarms.com
Pioneer	Royce Fast rfast@kcwa.com
Kern Water Bank	Kim Brown Kimberly.Brown@wonderful.com
West Kern	Gary Morris gjmorris45@hotmail.com
Kern Tulare	Andrew Hart ahart@boothranchesllc.com
Eastside Water	Chad Hathaway chathaway@hathawayllc.com
Rosedale	Gary Unruh garuh@msn.com
Henry Miller	Jeof Wyrick jwyrick@jgboswell.com
Olcese	Jim Nickel jlnickel@nflc.net
Buena Vista	Terry Chicca tchicca@aol.com

ⁱ See DWR, “Inadequate Determination of the Revised 2020 Groundwater Sustainability Plans Submitted for the San Joaquin Valley – Kern County Subbasin” (Mar. 2, 2023) (Inadequate Determination).

ⁱⁱ Letter from Kristin Pittack to Vice Chair Dorene D’Adamo (Mar. 29, 2024), p. 2. As the Board has explained, “SGMA prioritizes local management and empowers GSAs with the tools necessary to sustainably manage their groundwater basins SGMA assigns DWR and the State Water Board distinct roles and authorities to ensure local groundwater management achieves SGMA’s goals.” SWRCB, “Sustainable Groundwater Management Act Frequently Asked Questions,” (Oct. 12, 2023) (SGMA FAQs), p. 4; *see also* Water Code § 10720.1(d) (describing the Legislature’s intent, “[t]o provide local groundwater agencies with the authority and the technical and financial assistance necessary to sustainably manage groundwater.”).

ⁱⁱⁱ Under Water Code section 10735.2(a) the Board has discretion to designate the Subbasin as probationary: “The board, after notice and a public hearing, may designate a high-or medium priority basin as a probationary basin” On December 19, 2023, SWRCB Staff presented to the Board a revised, tentative probationary hearing schedule that recommended a January 2025 hearing date for the Kern Subbasin.

^{iv} Water Code section 10728.4 provides, “[a] groundwater sustainability agency may adopt or amend a groundwater sustainability plan after a public hearing, held at least 90 days after providing notice to a city or county within the area of the proposed plan or amendment.” *See also* 23 Cal. Code Regs. § 355.10 (“An Agency may amend a Plan at any time”).

^v Letter from Kristin Pittack to Vice Chair Dorene D’Adamo (Mar. 29, 2024). The Kern GSAs have also provided regular briefings to SWRCB Staff over the course of nine meetings. *See id.*

^{vi} The Amended Subbasin Plan also continues to rely on the same data and methodologies for certain assumptions related to Basin Setting, as required by Water Code section 10727.6.

^{vii} The multiple plans are organized the same and include substantially the same information. The supplemental information that differentiates the GSP versions is provided on blue pages so the differences can be readily identified by reviewers.

^{viii} Revisions include consideration of additional constituents of concern and implementation of additional monitoring measures. Attachment 1, p. ES-13.

^{ix} The responsible GSA will also be responsible for mitigating any immediate impacts to drinking water caused by the MT exceedance in accordance with the Subbasin’s Well Registry and Well Mitigation Program, which will be funded and operational by 2025. *See* Attachment 1, p. ES-12.

^x The Kern GSAs have built in a safety buffer that accounts for the possibility that P/MAs may not be 100 percent effective: “In the event full estimated P/MA benefits are not ultimately realized, there is a built-in “safety factor” of nearly 2.0 and a plan to ensure the Subbasin project deficit is reduced by 2040.” Attachment 1, p. ES-16.

^{xi} DWR described the importance of beginning with an adequate plan that could then be adaptively managed over the 20-year planning horizon:

SGMA requires basins to achieve sustainability within 20 years of Plan implementation and requires local GSAs and [DWR] to continually evaluate a basin’s progress towards achieving its sustainability goals.... It is therefore essential that each basin begin with a Plan that adequately analyzes, discloses, and informs and that each Plan conform with certain requirements of SGMA and substantially comply with the GSP Regulations.

Inadequate Determination, p. 4.

^{xii} The SWRCB has described a “successful” plan as one that “outline[s] how groundwater will be sustainably used and managed to avoid” undesirable results. SGMA FAQs, p. 4

^{xiii} SGMA FAQs, p. 4.

^{xiv} *See* Attachment 2, May 28, 2024, *Final Draft Amended Kern County Subbasin Groundwater Sustainability Plan*, PowerPoint Presentation

Attachment 1

EXECUTIVE SUMMARY

ES.1. Introduction

On 16 September 2014, the California legislature enacted the Sustainable Groundwater Management Act (SGMA) for the primary purpose of achieving and maintaining sustainability within the State's high and medium priority groundwater basins. Key tenets of SGMA are preservation of local control, use of best available data and science, and active engagement and consideration of all beneficial uses and users of groundwater. SGMA requires local agencies to form Groundwater Sustainability Agencies (GSAs) tasked with managing basins sustainably through the development and implementation of Groundwater Sustainability Plans (GSPs). Under SGMA, GSPs must contain certain elements, the most significant of which include: a Sustainability Goal; a description of the area covered by the GSP (i.e., the "Plan Area"); a description of the Basin Setting, including the hydrogeologic conceptual model (HCM), historical and current groundwater conditions, and a water budget; locally-defined Sustainable Management Criteria (SMCs); monitoring networks and protocols for each applicable sustainability indicator; and a description of projects and/or management actions (P/MAs) that will be implemented to achieve or maintain sustainability. SGMA also requires active stakeholder outreach to ensure that all beneficial uses and users of groundwater have the opportunity to provide input into the GSP development and implementation process.

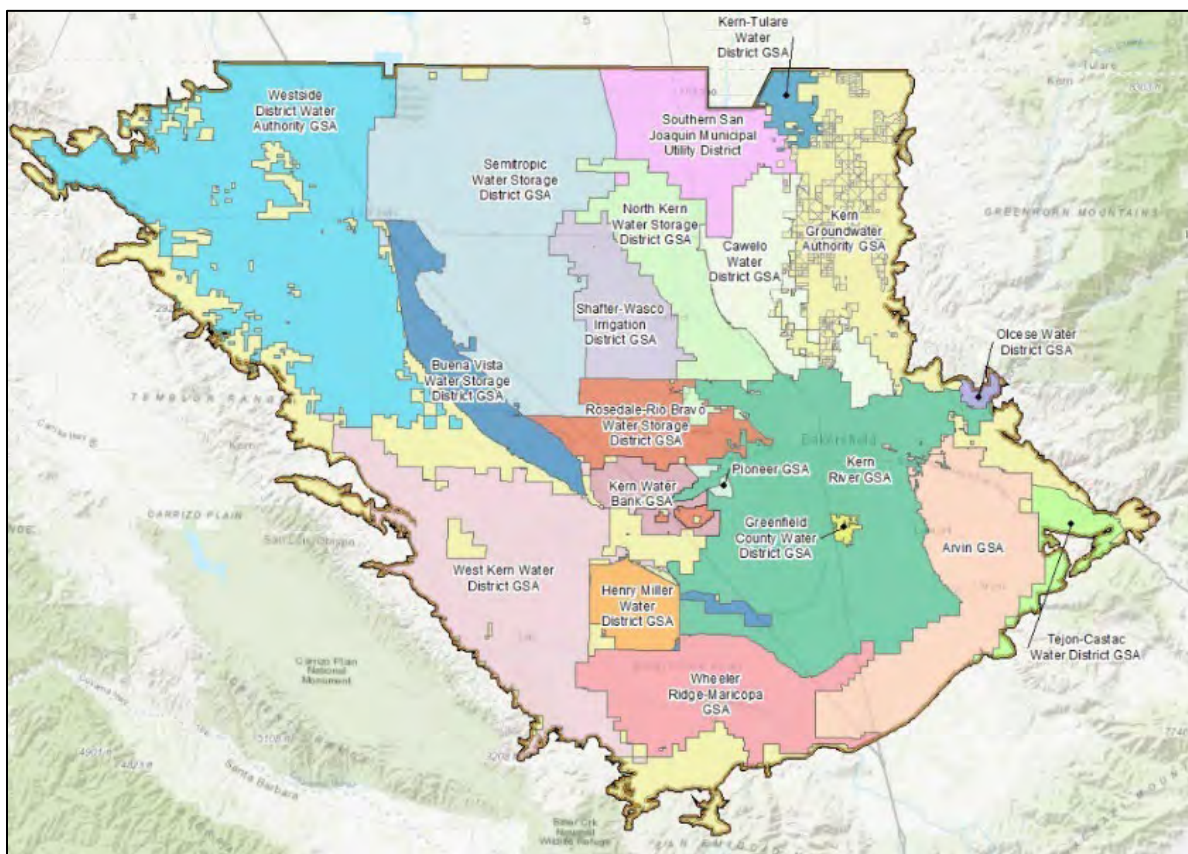


Figure ES-1. Kern County Subbasin GSAs

The Kern County Subbasin of the San Joaquin Valley Groundwater Basin¹ (referred to herein as the “Kern Subbasin” or “Subbasin”; Figure ES-1) is one of 21 basins and subbasins identified by the California Department of Water Resources (DWR) as being critically overdrafted. This designation triggered an accelerated timeline for GSP development by 2020 and long-term sustainability by 2040.

In compliance with this timeline, the Subbasin GSAs submitted five GSPs (collectively the “Plan”) to DWR in January 2020 (2020 GSPs). DWR designated the Plan as “incomplete” in January 2022 and identified three main deficiencies with the Subbasin Plan. In July 2022, the GSAs amended and resubmitted six GSPs to DWR to address the identified deficiencies (2022 GSPs). In March 2023, DWR designated the Plan as “inadequate” after reviewing the 2022 GSPs.

As a result, the Subbasin is subject to the state intervention process defined in SGMA regulations and under California Water Code (CWC) § 10735 *et seq.* The first formal step of the state intervention process would be a public hearing convened by the State Water Resources Control Board (SWRCB) to consider designating the Subbasin as probationary based on any specific deficiencies in its Plan that remain unresolved at the time of hearing.

In response to the DWR determination, the 20 Subbasin GSAs worked together to develop amendments to the 2022 GSPs and accompanying Coordination Agreement, resulting in this “Amended Subbasin Plan”, which has been designed to meet the SGMA regulatory requirements, respond to the three deficiencies identified by DWR, address comments provided by SWRCB staff during technical meetings, and increase coordination among the Subbasin GSAs, other local agencies, and stakeholders.² The Amended Subbasin Plan provides a clear and coordinated path to achieve sustainable groundwater management.

Revisions made in response to DWR’s Corrective Actions are highlighted throughout the Executive Summary using icons specific to each deficiency and are further detailed in the “crosswalk” Table 1-3 in Section 1 and the relevant sections of the Amended Subbasin Plan.



Deficiency #1: The GSPs do not establish Undesirable Results (URs) that are consistent for the entire Subbasin.

Intra-Basin Coordination

Subbasin GSAs have implemented intra-basin coordination activities, including greater engagement regarding the development, planning, financing, environmental review, permitting, implementation, and long-term monitoring of GSP activities.

Technical Working Group (TWG)

In May 2023, the Subbasin GSAs assembled the TWG to produce Subbasin-wide technical solutions to address DWR deficiencies. The TWG meets weekly to discuss work products and to develop technical recommendations.

¹ Kern County Subbasin (DWR No. 5-022.14) located within San Joaquin Valley Groundwater Basin (DWR No. 5-022).

² The Amended Subbasin Plan is being submitted as multiple plans with a Coordination Agreement. The Kern Subbasin GSP is being adopted by fourteen (14) GSAs, which collectively manage the majority of the Subbasin (67.6 percent). Six (6) GSAs are each separately adopting a version of the Kern Subbasin GSP that includes supplemental information specific to the portion of the Subbasin it manages. This supplemental information is provided on blue pages so differences between the versions can be readily identified by reviewers.



Deficiency #2: The Subbasin’s Chronic Lowering of Groundwater Levels Sustainable Management Criteria (SMCs) do not satisfy the requirements of SGMA and the GSP Regulations.



Deficiency #3: The Subbasin’s Land Subsidence SMCs do not satisfy the requirements of SGMA and the GSP Regulations.

In addition to revisions that were made to address the DWR Corrective Actions, the GSAs updated this Amended Subbasin Plan to incorporate current data and information and made revisions that address feedback received during the nine technical meetings with SWRCB staff or other comments in DWR’s determination letter. These revisions are noted in this Executive Summary using the icon shown below and are further detailed in the “crosswalk” Table 1-2 in Section 1 and the relevant sections of the Amended Subbasin Plan.



Additional Revision: Revision to incorporate new data or information or respond to DWR and SWRCB comments that were not identified as Corrective Actions.

ES.2. Sustainability Goal

The Subbasin GSAs share a common groundwater management Sustainability Goal for the Subbasin, which is foundational to the development and implementation of the Amended Subbasin Plan. The sustainability goal for the Kern County Subbasin is to implement the Amended Subbasin Plan to achieve sustainable groundwater management within the 20-year implementation schedule. Achieving the sustainability goal will be demonstrated by eliminating chronic lowering of groundwater levels caused by overdraft conditions and avoiding Undesirable Results for groundwater levels, groundwater storage, land subsidence, and groundwater quality. This goal will be accomplished through the following objectives:

- Implement the Subbasin Community Engagement Plan.
- Eliminate long-term groundwater overdraft and attain sustainability through conjunctive use, water banking, and demand management programs.
- Continuously monitor and evaluate groundwater conditions to avoid undesirable results.
- Maintain long-term sustainability of water resources available to the Subbasin.
- Maintain a comprehensive database of beneficial uses and users to inform on the efficacy of groundwater management policies and programs.

ES.3. Agency Information

The Amended Subbasin Plan has been prepared by 20 GSAs and one coordinated groundwater management area. Each GSA applied for and was granted exclusive GSA status for a portion of the Subbasin under CWC §10723(c) and §10723.8. The Coordination Agreement establishes the governance structure for the GSAs’ cooperative and coordinated exercise of authorities and responsibilities under SGMA. Each GSA has designated representative(s) to help lead or participate in coordination activities among Subbasin GSAs, State agencies, local governments, local water suppliers, neighboring entities, non-governmental organizations, and other stakeholders. Pursuant to 23 CCR §357.4(b)(1), a single Subbasin “Plan Manager” (Point of Contact) has been established as shown in Table ES-1, for the purposes of organizing the

various coordination and Technical Working Group (TWG) activities and ensuring cohesion between GSA activities.

Table ES-1. Plan Manager Contact Information

Plan Manager	E-mail	Phone
Kristin Pittack	kpittack@rinconconsultants.com	559-228-9925 (O) 760-223-5062 (C)

ES.4. GSP Organization

The Amended Subbasin Plan details and consolidates the GSAs' plans for achieving long-term sustainability in the Subbasin. The Amended Subbasin Plan also addresses DWR's inadequate determination and feedback provided by the SWRCB staff. It follows the organizational structure required under the GSP regulations, including Introduction (Section 1), Sustainability Goal (Sections 2 and 12), Agency Information (Section 3), GSP Organization (Section 4), Description of Plan Area (Section 5), Basin Setting (Sections 6 through 9), Management Areas (Section 10), Sustainable Management Criteria (Sections 11 through 13), Projects and Management Actions (Section 14), Monitoring Networks (Section 15), and Plan Implementation (Section 16). Several figures, tables, and sources are provided which outline the GSAs' analyses and review that was used to formulate the implementation actions and the planned P/MAs to achieve the Sustainability Goal.

ES.5. Plan Area

The 1.78-million-acre Subbasin covers a large portion of the southern end of the Tulare Lake Hydrologic Region, including most of the San Joaquin Valley area within Kern County. As shown on Figure ES-2, the Subbasin neighbors four separate and distinct groundwater subbasins: (1) the Tulare Lake Subbasin (DWR 5-022.12), (2) the Tule Subbasin (DWR 5-022.13), (3) the Kettleman Plain Subbasin (DWR 5-022.17), and (4) the White Wolf Subbasin (DWR 5-022.18), all also located within the San Joaquin Valley Groundwater Basin. The Tulare Lake and Tule subbasins are similarly categorized as "high priority" and "critically overdrafted" by DWR. The adjacent Tulare Lake, Tule, and White Wolf subbasins are each managed according to separate GSPs and SGMA-related activities but the Subbasin GSAs have consulted with

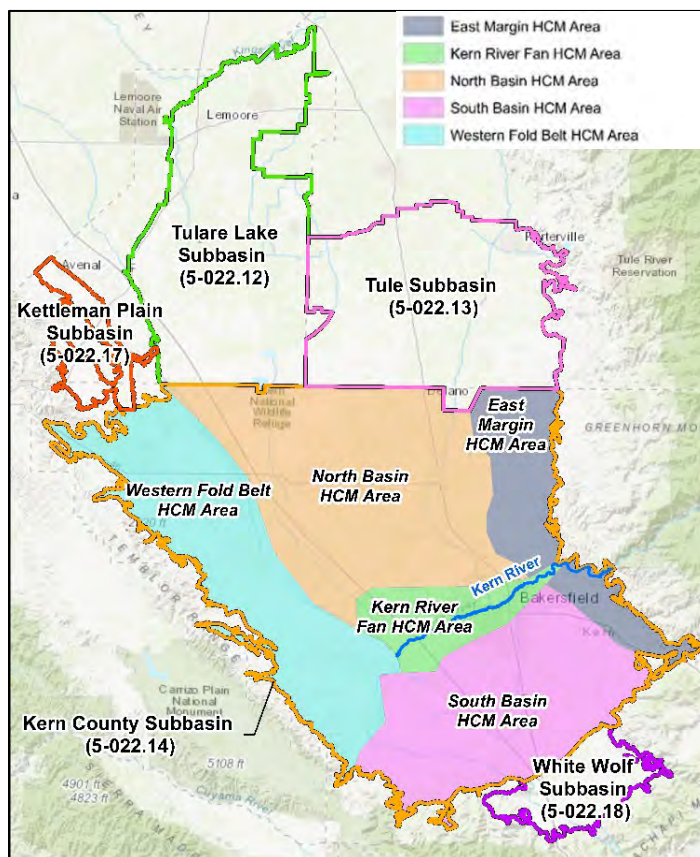


Figure ES-2. HCM Areas and Adjacent Subbasins

these subbasins to coordinate cross-boundary interactions (e.g., accounting for groundwater subsurface inflows and outflows and evaluating consistency of SMCs).

For purposes of this Amended Subbasin Plan, the Subbasin has been separated into five HCM areas that are characterized by specific geologic and hydrogeologic attributes that dictate land and water uses in the area. The HCM areas include the Western Fold Belt, East Margin, Kern River Fan, North Basin (North of Kern River Fan), and South Basin (South of Kern River Fan), as shown on Figure ES-2.

As shown on Figure ES-3, the 1.78 million acres of land within the Subbasin (the “Plan Area”) are predominately irrigated agriculture, including a diverse array of crop types dictated largely by the economics of private farming and water supply availability. Actively cropped agricultural lands encompass around 644,000 acres of the Subbasin, or approximately 36 percent of the total area. Roughly 15 percent of the Plan Area includes idle agricultural lands not actively irrigated (256,000 acres), another eight percent includes urban, suburban, and rural communities (81,000 acres), five percent of lands are industrial oil fields (159,000 acres), and the remaining 36 percent of land uses include native and riparian vegetation, refuge, recharge basins, and other land uses. Water demands are met with diversions from the Kern River and other local creeks, imported surface water from the State Water Project (SWP) and Central Valley Project (CVP), groundwater, and in more recent years, recycled water.

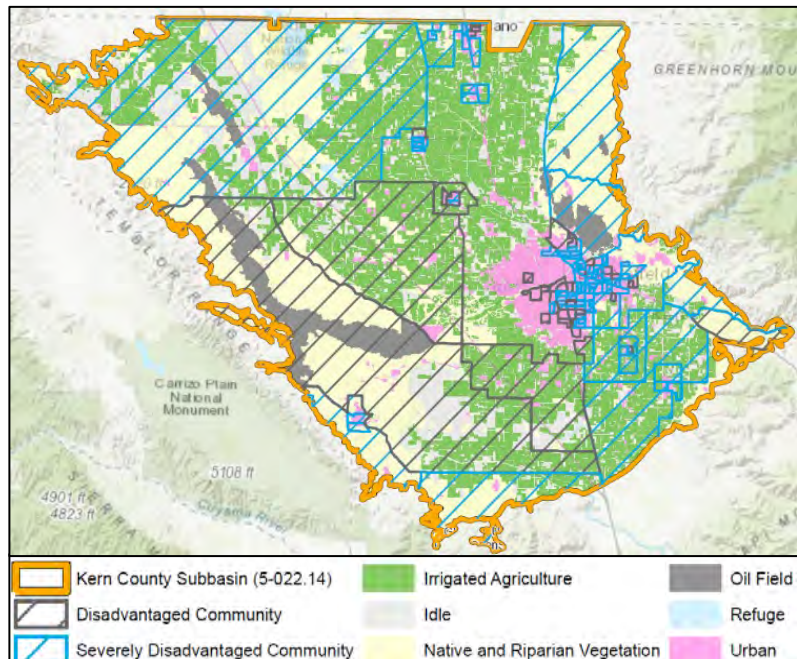


Figure ES- 3. Land Use and Disadvantaged Communities

The Subbasin is completely contained within Kern County and includes eight incorporated cities (Arvin, Bakersfield, Delano, Maricopa, McFarland, Shafter, Taft, and Wasco) as well as numerous unincorporated communities (census designated places), including: Buttonwillow, Cherokee Strip, Derby Acres, Dustin Acres, Edison, Edmundson Acres, Famoso, Fellows, Ford City, Fuller Acres, Greenacres, Greenfield, Lamont, Lost Hills, McKittrick, Mettler, Mexican Colony, Oildale, Rosedale, Smith Corner, South Taft, Taft Heights, Tupman, Valley Acres, and Weedpatch, as shown on Figure 5-8 in Section 5.

Disadvantaged communities (DACs) or severely disadvantaged communities (SDACs) identified based on the median household income (MHI) of the area compared to the statewide MHI, cover approximately 1.445 million acres, or 81 percent of the Subbasin.

ES.6. Basin Setting - Hydrogeologic Conceptual Model

Situated within the topographic horseshoe that is bordered on the east and southeast by the Sierra Nevada, on the west by the Southern Coast Ranges, and on the south by the San Emigdio and Tehachapi Mountains, the Subbasin is large and geologically complex with regional faulting, folding, and three principal aquifers.

The three principal aquifers within the Subbasin include the Primary Alluvial Principal Aquifer, the Santa Margarita Principal Aquifer, and the Olcese Principal Aquifer. The Primary Alluvial Principal Aquifer extends over most of the Subbasin and consists of the Tulare and Kern River Formations plus the overlying recent alluvium. It exhibits varying groundwater conditions and is classified as confined in areas with laterally extensive clay aquitards, semiconfined where vertical flow is impeded, and unconfined in various portions of the Subbasin. The Primary Alluvial Principal Aquifer is the most productive freshwater aquifer and the source of nearly all groundwater used within the Subbasin. The Santa Margarita Principal Aquifer is a confined unit located in the northeastern portion of the Subbasin and is comprised of both the Santa Margarita Formation and Olcese Sand. The Olcese Principal Aquifer is a confined unit located in the vicinity of where the Kern River enters the eastern portion of the Subbasin and consists of the Olcese Sand.

The Subbasin contains several surface water features. The Kern River is the largest river in the Subbasin and flows east to west through the center of the Subbasin, as shown on Figure ES-2. The Subbasin also contains significant infrastructure that conveys imported water supplies, including the Friant-Kern Canal, California Aqueduct, and local canals.

Significant direct recharge in the Subbasin occurs through managed conjunctive use projects and water banking (storage) projects along the Kern River and in other areas of the Subbasin. The conjunctive use projects are dedicated to the replenishment of the Subbasin, while the water banking projects store surplus surface water supplies from the SWP, CVP, Kern River, and other flood waters for subsequent recovery for beneficial uses.³

A series of hydrogeologic cross-sections have been developed to illustrate the Subbasin physical characteristics and the formations present in the Plan Area. An example cross section is provided on Figure ES-4 to illustrate the conditions parallel to the southern Subbasin boundary. Cross sections for other portions of the Subbasin are shown in Section 7. This example shows the prevalence of Tulare and Kern River Formations, with the Santa Margarita Formation and Olcese Sand shallowing in the East Margin, and the extent of clay layers which tend to dictate groundwater percolation and lateral flows. The cross sections developed improve understanding of Subbasin conditions across the HCM Areas and provide the information necessary to develop water budgets from the Subbasin's local numerical model, establish representative monitoring networks, develop applicable SMCs, and effectively convey hydrogeologic conditions to stakeholder groups.

³ "The storing of water underground ... constitutes a beneficial use of water if the water so stored is thereafter applied to the beneficial purposes for which the appropriation for storage was made." CWC § 1242.

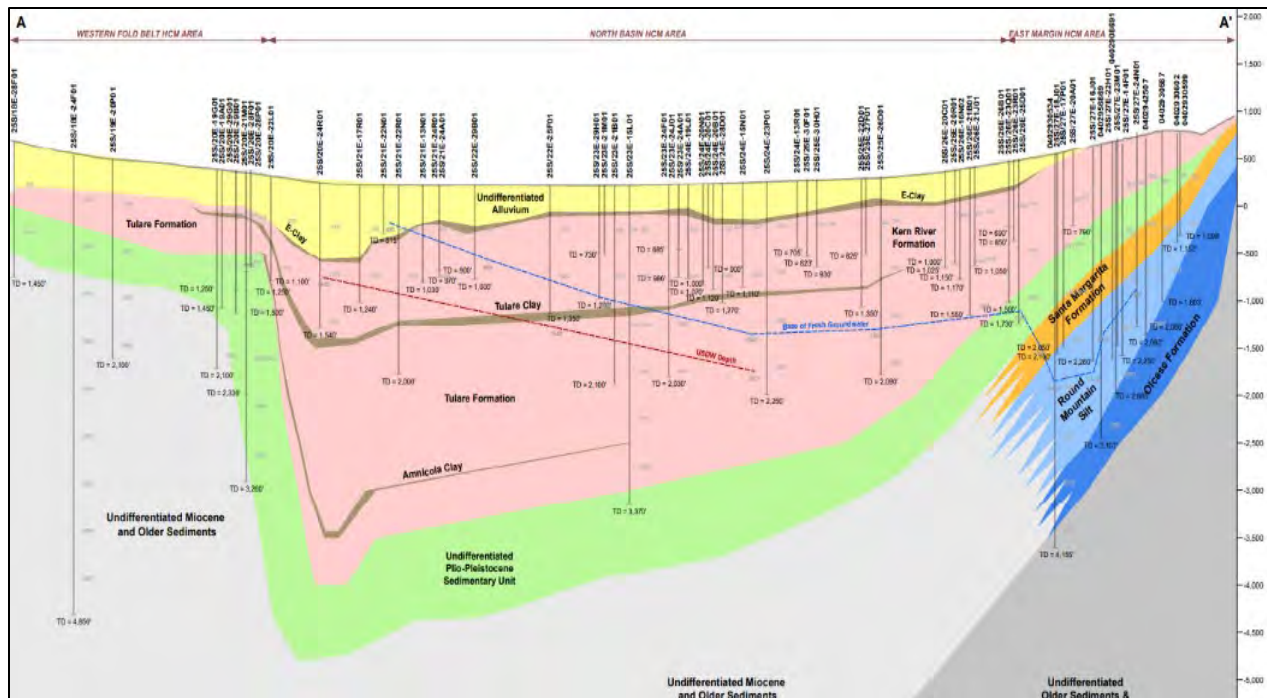


Figure ES-4. Subbasin Cross Section

ES.7. Basin Setting - Current and Historical Groundwater Conditions

Information on the Subbasin's current groundwater conditions with respect to the SGMA-defined "Sustainability Indicators" are presented in the Amended Subbasin Plan and summarized below.

Groundwater Levels: Groundwater levels within the Subbasin are presented using contour maps depicting the current (2023) seasonal high and seasonal low for each principal aquifer (Primary Alluvial Principal Aquifer, Santa Margarita Principal Aquifer, and Olcese Principal Aquifer) and hydrographs for various wells across the Subbasin depicting long-term groundwater elevations, historical highs and lows, and hydraulic gradients between principal aquifers. The available data indicate that the Kern River effectively bisects the Plan Area (as shown in Figure ES-2) and acts as a groundwater divide whereby groundwater tends to diverge from the river, with groundwater north or south of the river flowing toward extraction areas. Relative highs and lows appear to be controlled, at least in part, by the distribution of groundwater pumping and surface water deliveries. Hydrographs show the long-term positive effects of surface water importation and managed aquifer recharge and water banking activities in raising groundwater levels, tempered by the effects of the recent severe droughts.

Groundwater Storage: Changes in groundwater storage over selected time periods were calculated from the Subbasin's local numerical model (C2VSimFG-Kern) and validated through a groundwater storage calculation that considers changes in measured groundwater elevations across the Subbasin. The estimated total usable storage in the Primary Alluvial Principal Aquifer ranges from 90 to 260 million acre-feet (AF). The change in groundwater storage over the historical and current water budget periods of Water Years (WYs) 1995-2023 generally corresponds with the variation in climatic conditions and surface water supply availability. The most significant annual changes in overall storage have historically occurred in the Subbasin's

water banking areas where significant surface water storage occurs in wet years, and significant recovery pumping occurs in dry years.

Groundwater Quality: Certain constituents of concern (COCs) have been identified in the Subbasin above drinking water standards and/or agricultural water quality goals. The Subbasin employed the SWRCB's methodology for identifying COCs from State and Regional Water Board datasets, and assessed the following constituents: 1,2,3-trichloropropane (1,2,3-TCP), arsenic, benzene, dibromochloropropane (DBCP), ethylene dibromide (EDB), gross alpha radiation, nitrate (as N), nitrate + nitrite (as N), nitrite (as N), perfluorooctane sulfonate (PFOS), perfluorooctanoic acid (PFOA), selenium, total dissolved solids (TDS), and uranium. A potential correlation with groundwater elevations and/or groundwater pumping has been identified in some localized areas of the Subbasin for 1,2,3-TCP, arsenic, and nitrate. The GSAs have identified several Representative Monitoring Wells for Degraded Water Quality (RMWs-WQ) to collect coincident groundwater elevation and groundwater quality data in these areas to better understand the relationship between COC concentrations and groundwater management in the future. SMCs have been established for a subset of the COCs assessed (arsenic, nitrate, nitrite, nitrate + nitrite, TDS, 1,2,3-TCP, and uranium).



Land Subsidence: Land subsidence has been documented within the San Joaquin Valley over both historical and recent timeframes, with the greatest documented subsidence occurring north of the Subbasin (see Figure ES-5). Land subsidence rates within the Subbasin range from 0 to 0.3 feet per year resulting in a cumulative land subsidence of 0 to 2.41 feet since 2015. Land subsidence caused by factors within the GSAs' authority to manage is due to aquitard depressurization following groundwater withdrawal, which tends to be greater in the areas that rely solely on groundwater for water supply (agricultural and urban pumping) and are underlain by a greater proportion of fine-grained deposits. Additional causes of subsidence that are outside of the GSAs' control, include oil and gas extraction, natural processes (i.e. faulting), expansive soil types susceptible to hydrocompaction, and others (e.g., deficient Aqueduct pre-construction hydro-compaction, age of infrastructure, etc.). Recent technical studies commissioned by the GSAs have been able to differentiate the subsidence signals associated with these other causal factors.

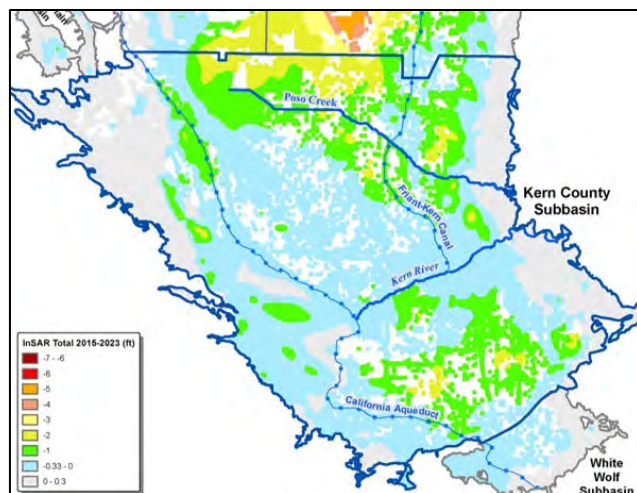


Figure ES-5. Cumulative Subsidence between 2015 – 2023 (ft) based on InSAR data

Land subsidence has the potential to affect Regional Critical Infrastructure (i.e., the California Aqueduct and Friant-Kern Canal) and local GSA Area Critical Infrastructure, including gravity-driven water conveyance systems (canals). To assess subsidence, the Subbasin has conducted a series of studies and continues on-going collaboration and communication with the California Aqueduct Subsidence Program (CASP) and the Friant Water Authority.

Seawater Intrusion: The Subbasin is located far from coastal areas, and therefore seawater intrusion is not considered to be a relevant Sustainability Indicator.

Interconnected Surface Water: Data on depth to groundwater and other local conditions indicate that the vast majority of surface water features in the Subbasin are not connected to groundwater, and in the few limited areas where a connection may occur, the connection is likely transient, short-lived, and involves shallow or perched groundwater that is not part of the principal aquifer systems. As such, the areas of vegetation mapped as Natural Communities Commonly Associated with Groundwater (NCCAG) are not likely groundwater dependent ecosystems (GDEs) but rather supported by irrigation water infiltration and agricultural return flows. In these areas, infiltration of irrigation water and agricultural return flows is impeded by clay soils and subsurface clay sediments creating shallow perched groundwater that is disconnected from groundwater in the principal aquifers that are the focus of SGMA.

ES.8. Basin Setting – Water Budget Information

 The GSAs coordinated on the development of a single, coordinated Subbasin-wide water budget presented in this Amended Subbasin Plan using a local numerical model (C2VSimFG-Kern) based on the California Central Valley Groundwater/Surface Water Simulation Model (C2VSim).

 The model was extended to incorporate recent conditions and estimate the current water budget over WYs 2015-2023. Modeling results show that the Subbasin, as a whole, had a total storage deficit of approximately 274,200 acre-feet per year (AFY) over the historical period (i.e., WYs 1995-2014) and approximately 344,000 AFY over the current period (i.e., WYs 2015-2023). The Sustainable Yield has been conservatively estimated to be approximately 1.31 million AFY based on results for the historical period using model-calculated groundwater pumping and recharge to quantify the volume of water that, if pumped over the water budget period of interest, would have resulted in zero change in storage.

 Water budget information under projected (future) conditions has also been developed for the Subbasin using C2VSimFG-Kern with DWR-provided inputs for climate variables (i.e., adjusted precipitation and evapotranspiration) and water supply assumptions (i.e., changes to imported water supplies). This approach allows for inclusion of more complex variables, including factors influenced by climate change, resulting in more accurate projections. The projected water budget assesses the magnitude of the net water supply deficit under future conditions that would need to be addressed through P/MAs to prevent URs and achieve the Sustainability Goal. Three projected water budget scenarios have been developed for this analysis: (1) a Baseline Scenario, (2) a 2030 Climate Change Scenario, and (3) a 2070 Climate Change Scenario. The P/MAs developed by the Subbasin GSAs have also been incorporated into the C2VSimFG-Kern 2030 Climate Change Scenario input files to evaluate their effectiveness in addressing the projected deficit of 372,000 AFY by 2040 (identified as “With Projects” scenarios in Table ES-2 below). The results in Table ES-2 demonstrate that the planned P/MAs, once fully implemented, provide a reasonable approach to achieve sustainable groundwater management.

There are inherent limitations in using models to predict future conditions given the uncertainties surrounding input variables (e.g., uncertain future hydrologic conditions, recharge, and pumping

volumes). A revised Subbasin-wide model is being developed and calibrated as part of Plan implementation and as additional information becomes available through the Basin Study (P/MA KSB-4, see Appendix P).

Table ES-2. Summary of Simulated Change in Groundwater Storage Results

Period / Scenario	General Hydrologic Conditions of Period	Change in Groundwater Storage (acre-feet per year)
Historical Period (WYs 1995-2015)	Average	-274,200
Current Period (WYs 2015-2023)	Dry	-344,019
Projected Period (WYs 2041-2070) Baseline	Average	-324,326
Projected Period (WYs 2041-2070) Baseline with Projects	Average	85,578
Projected Period (WYs 2041-2070) 2030 Climate Change	Average with DWR climate change adjustments	-372,120
Projected Period (WYs 2041-2070) 2030 Climate Change with Projects	Average with DWR climate change adjustments	46,829
Projected Period (WYs 2041-2070) 2070 Climate Change	Average with DWR climate change adjustments	-472,336
Projected Period (WYs 2041-2070) 2070 Climate Change with Projects	Average with DWR climate change adjustments	-45,969

Note: a negative change in groundwater storage indicates a deficit and a positive change in groundwater storage indicates a surplus.

ES.9. Sustainable Management Criteria



SMCs are the metrics by which groundwater sustainability is evaluated under SGMA.

Uniform definitions for the following SMC components have been developed in the Amended Subbasin Plan through a coordinated effort of the GSAs.

- **Undesirable Results (URs):** URs are the significant and unreasonable occurrence of conditions, for any of the six Sustainability Indicators (shown in Table ES-3), that adversely affect beneficial uses and users and substantially interfere with surface land uses in the Subbasin.
- **Minimum Thresholds (MTs):** MTs are the numeric criteria for each Sustainability Indicator that, if exceeded in a locally defined combination of monitoring sites, may constitute an UR for that indicator.
- **Measurable Objectives (MOs):** MOs are specific, quantifiable goals for the maintenance or improvement of groundwater conditions. MOs use the same units and metrics as the MTs allowing for direct comparison.
- **Interim Milestones (IMs):** IMs are a set of target values representing measurable groundwater conditions in increments of five (5) years over the 20-year statutory timeline for achieving sustainability.

Table ES-3 summarizes the revised SMCs for each applicable Sustainability Indicator in the Subbasin.

Table ES-3. Summary of Sustainable Management Criteria

Sustainability Indicator	 Undesirable Result	Minimum Threshold	Measurable Objective
 Chronic Lowering of Groundwater Levels	One of the following occurs: (1) More than 15 drinking water wells are reported dry in any given year. If 15 drinking water wells were impacted every year, no more than 255 drinking water wells cumulatively would be impacted by 2040, or (2) MTs are exceeded in at least 25% of RMW-WLs over a single year (i.e., two consecutive seasonal measurements)	The lower of: (1) Groundwater level in 2030 if the regional trend is extended from the 2015 low (the MO), or (2) Groundwater level that allows for operational flexibility below the 2015 low, based on an RMW-WL-specific record of groundwater level fluctuations	The 2015 low groundwater elevation.
 Reduction of Groundwater Storage	A cumulative reduction in usable groundwater storage of 9.3 MAF in the Primary Principal Alluvial Aquifer relative to the baseline (WY 2015) total usable groundwater storage volume.	MTs for Chronic Lowering of Groundwater Levels used as a proxy	MOs for Chronic Lowering of Groundwater Levels used as a proxy
 Seawater Intrusion	Groundwater conditions in the Subbasin show that Seawater Intrusion is not present and is not anticipated to be present in the future, and therefore, the Sustainability Indicator is not applicable.		
 Degraded Water Quality	MTs for a groundwater quality COC are exceeded in three RMW-WQs in an HCM area based the average of confirmed seasonal samples and can be attributed based on a technical analysis to groundwater management actions (e.g., groundwater level changes).	The greater concentration of: (1) The applicable health-based screening standard, or (2) The maximum pre-2015 baseline concentration at each RMW-WQ. For wells with insufficient pre-2015 data, 2010-2023 data is used to determine maximum baseline concentrations at each RMW-WQ. For wells with insufficient 2010-2023 data, the MT is set as the 90 th percentile 2010-2023 baseline concentration in the applicable HCM area.	The greater concentration of: (1) The applicable health-based screening standard, or (2) The median pre-2015 baseline concentration at each RMW-WQ. For wells with insufficient pre-2015 data, 2010-2023 data is used to determine median baseline concentration at each RMW-WQ. For wells with insufficient 2010-2023 data, the MO is set as the 90 th percentile 2010-2023 baseline concentration in the applicable HCM area.

Sustainability Indicator	 Undesirable Result	Minimum Threshold	Measurable Objective
 Land Subsidence	MT extent of subsidence is exceeded at any RMS-LS or as measured using InSAR data published annually by DWR averaged across an HCM area. Note: The GSAs' management authority does not extend to all activities and processes that cause Subbasin subsidence..	MTs are established along critical infrastructure as a rate and extent based on specific impacts to critical infrastructure or as an observed or allowable rate of subsidence, as determined by the Subbasin's risk-based approach. Additionally, MTs are set for the Subbasin as the average historical rate of subsidence in each HCM area from 2015-2023.	50% of the MT rate and MT extent.
 Interconnected Surface Water	Groundwater conditions in the Subbasin show that there are a few areas with potential Interconnected Surface Waters. However, data show the connection is likely transient, short-lived, and involves shallow or perched groundwater that is not part of the principal aquifer systems. Therefore, the Sustainability Indicator is not applicable to the Subbasin.		

Justification of Sustainable Management Criteria:

The primary beneficial uses and users of groundwater in the Subbasin include agricultural users, industrial users, domestic well owners, small community wells, and municipal well operators. Additionally, surface land uses susceptible to land subsidence (infrastructure) have been categorized based on their subsidence vulnerability and impacts to beneficial users (critical regional, GSA area, and other). The SMCs in Table ES-3 have been developed to prevent significant and unreasonable impacts to groundwater uses and users and surface land uses and are justified (i.e., will not result in significant and unreasonable impacts) as follows for all applicable Sustainability Indicators.

Chronic Lowering of Groundwater Levels

- 

Impacts to Beneficial Users: A robust Subbasin-wide well impacts analysis has been conducted using the revised MTs and the Subbasin well inventory to quantify potential impacts to beneficial users at the MTs as compared to the Chronic Lowering of Groundwater Levels URs definition. The most likely scenario shows 77 total drinking water wells being potentially impacted by 2040 at the projected MTs, a potential impact that can be addressed effectively by the Well Mitigation Program. The Subbasin calculated the “depletion of supply” for this scenario to quantify the percentage of urban supply that may be impacted at MTs and the UR definition. Under the most likely scenario, 1.2 percent of the total estimated urban water supply would be impacted by 2040. With implementation of the proposed P/MAs, the model shows that only 13 drinking water wells would potentially be dewatered, which corresponds to < 0.01 percent of the Subbasin’s urban pumping. By January 2025, the Subbasin GSAs plan to implement a Well Mitigation Program to address potential impacts from Chronic Lowering of Groundwater Levels to domestic and small community wells.
- 
Consideration of Adjacent Basins: Groundwater level SMCs were compared to those in the neighboring Tule, Tulare Lake, and White Wolf Subbasins and are not projected to

cause a change in historical gradients or prevent neighboring subbasins from achieving their Sustainability Goals.

Reduction of Groundwater Storage: A cumulative reduction of 9.3 MAF (up to 10 percent) of the total usable storage in the Subbasin relative to the 2015 baseline equates to the difference in storage between the MT and MO groundwater levels. This decline in groundwater storage, which allows for a four-year drought, is not unreasonable given the large size of the basin and total usable storage estimates, and it is similar to the storage change observed during recent multi-year droughts without unreasonable dewatering of wells. Therefore, the Chronic Lowering of Groundwater Levels SMCs serve as a reasonable proxy for Reduction of Groundwater Storage. The four to ten percent reduction of total usable storage is calculated by assuming that all Primary Alluvial Principal Aquifer Representative Monitoring Wells for Chronic Lowering of Groundwater Levels (RMW-WLs) exceed the MTs. However, URs for Chronic Lowering of Groundwater Levels are defined to occur when 25 percent of RMW-WLs exceed their MTs, which would correspond to a lower decline in storage than the UR criteria for Reduction of Groundwater Storage, thus sufficiently protecting against impacts to beneficial uses and users.

Degraded Water Quality



- **Impacts to Beneficial Users:** The MTs for Degraded Water Quality are based on the greater of (a) the primary Maximum Contaminant Levels (MCLs) or (b) pre-2015 baseline concentrations for each RMW. Where pre-2015 historical data is insufficient, the HCM area baseline is used as proxy for pre-2015 baseline concentrations. MTs are identified for six COCs, including arsenic, nitrate, nitrite, TDS, 1,2,3-TCP, and uranium. Primary MCLs are health-based regulatory drinking water standards set to protect drinking water use, which is the most sensitive beneficial use. In some areas of the Subbasin, water quality has been historically degraded and not used for drinking water. For those areas of the Subbasin it is appropriate to set MTs as a baseline condition, as “the plan may, but is not required to, address undesirable results that occurred before, and have not been corrected by, January 1, 2015” (CWC § 10727.2(b)(4)).
- **Consideration of Adjacent Basins:** The Chronic Lowering of Groundwater Levels MTs are not predicted to cause significant changes to local groundwater gradients and are thus should be protective in terms of preventing migration of poor-quality water within the Subbasin. Groundwater flow exits the Subbasin across the northern Subbasin boundary (Figure 8-1). The adjacent subbasins similarly have SMCs established for key COCs that impact drinking water users.



Land Subsidence: The SMCs for Land Subsidence have been developed in recognition that subsidence in the Subbasin has been caused by several factors, some of which are within the GSAs’ authorities to control (“GSA-related” subsidence - e.g., groundwater pumping for agricultural and urban uses), and others that are outside of the GSAs’ authorities to control (“non-GSA” subsidence – e.g., oil and gas extraction, natural processes, and expansive soil types susceptible to hydro-compaction). The SMCs for Land Subsidence have been developed to avoid impacts of subsidence caused by GSA-managed activities through a risk-based approach that considers subsidence potential and vulnerability.



- Impacts to Beneficial Users: MTs for Regional Critical Infrastructure were developed in coordination with operators of the infrastructure (i.e., Friant Water Authority and CASP) and designed to avoid significant and unreasonable impacts to infrastructure functionality. The MTs for GSA Area Critical Infrastructure are based on subsidence rates that have historically occurred and have been managed by Subbasin GSAs through ongoing maintenance and improvements to facilities. A change in slope analysis shows that for 98 percent of the Critical Infrastructure, the change in slope between 2024 and 2040 MTs is not projected to exceed typical safety factors. In addition to infrastructure specific MTs, MTs for the entire Subbasin are set based on HCM Area historical average subsidence rates. As such, the Subbasin will continue to monitor and report subsidence throughout the entire Subbasin, and coordinate with other entities that have interests in and responsibilities for land subsidence \ caused or influenced by activities or processes outside of the GSAs' management authorities.
- Consideration of Adjacent Basins: MT extents in the Subbasin are half the MT extents in the adjacent northward Tule and Tulare Lake subbasins. Therefore, implementation of the Amended Subbasin Plan would not prevent neighboring subbasins from achieving their Land Subsidence sustainability goal(s). Although Land Subsidence MTs in the adjacent southern White Wolf Subbasin are currently set using groundwater levels as a proxy, Subbasin GSAs are actively collaborating with the White Wolf GSA to ensure consistency as the White Wolf GSA develops more specific Land Subsidence SMCs.



Relationships Between Sustainability Indicators:



- **Chronic Lowering of Groundwater Levels** and **Reduction in Groundwater Storage** are directly, if not linearly, related. As shown in Table ES-3, groundwater level MTs are used as a proxy for Reduction of Groundwater Storage. If water levels in all Primary Alluvial Principal Aquifer RMW-WLs were to exceed MTs, a four to ten percent decline in total usable groundwater storage would occur relative to the baseline, which is not considered to be unreasonable.
- A trending analysis between **Degraded Water Quality** and **Chronic Lowering of Groundwater Levels** (and **Reduction of Groundwater Storage**, by proxy) shows no correlation for the majority of the Subbasin, except in some localized areas. RMWs have been selected in these areas to facilitate ongoing monitoring of the potential relationship between groundwater levels and water quality.
- An analysis has been conducted using historical groundwater level declines and cumulative **Land Subsidence** to project the future subsidence that would occur at **Chronic Lowering of Groundwater Level** MTs. The analysis shows that subsidence projected to occur at groundwater level MTs is less than the MTs for Land Subsidence along all critical infrastructure, which are considered protective of the functionality of critical infrastructure. Therefore, groundwater level MTs are protective of URs caused by Land Subsidence. However, it is noted that other non-GSA related subsidence could still contribute toward potential URs. The GSAs are integrating subsidence into the Subbasin's groundwater flow model as part of implementation of the Amended Subbasin Plan; results of which will be used to ensure that MTs for Chronic Lowering of Groundwater Levels are protective of MTs set for Land Subsidence.

- A potential effect of URs due to **Land Subsidence** is a **Reduction of Groundwater Storage** due to compaction of fine-grained subsurface layers during groundwater pumping. Through the correlation with Chronic Lowering of Groundwater Level SMCs, it is reasonable to conclude that Land Subsidence MTs will not cause an unreasonable Reduction of Groundwater Storage.
-  Studies suggest that consolidation of subsurface layers with high clay content may liberate arsenic and cause **Degradation of Groundwater Quality**. However, there has been no observed correlation between **Land Subsidence** and any water quality COCs in the Subbasin. RMW--WQs have been selected in areas with historical subsidence to continue to monitor the potential relationship between subsidence and arsenic.

ES.10. Monitoring Network

 The objective of the SGMA Monitoring Networks is to continue to collect sufficient data to allow for assessment of the Sustainability Indicators relevant to the Subbasin and determination of potential impacts to the beneficial uses and users of groundwater. The proposed SGMA Monitoring Network has been improved to ensure sufficient spatial distribution and spatial density. In the Subbasin, the SGMA Monitoring Network consists of 185 RMWs for groundwater levels (RMW-WL) and (by proxy) groundwater storage, 51 RMWs for monitoring groundwater quality (RWM-WQ), and 144 representative monitoring sites (RMSs) for monitoring land subsidence (including extensometers, benchmarks, and GPS). Additionally, the Subbasin will continue to rely on InSAR data to assess land subsidence across the Subbasin.

The SGMA Monitoring Networks for the Subbasin supplement other active monitoring networks and programs such as DWR's California Statewide Groundwater Elevation Monitoring (CASGEM) program, Irrigated Lands Regulatory Program (ILRP), Central Valley-Salinity Alternatives for Long-term Sustainability (CV-SALTS), and local groundwater monitoring programs, etc.

 Data collected from the SGMA Monitoring Networks for the Subbasin will be uploaded to the Kern Subbasin Data Management System (DMS) that is maintained for the Subbasin and reported to the DWR in accordance with the Monitoring Protocols developed for the Subbasin. Data collected will undergo quality assurance and quality control at the GSA level prior to being uploaded in the DMS. In the instance of a single MT exceedance, all Subbasin GSAs will be notified which will initiate the MT Exceedance Policy and associated investigations (see Appendix Q).

ES.11. Projects and Management Actions (P/MAs)

 Achieving sustainability in the Subbasin will require the implementation of P/MAs to address projected water budget deficits that contribute to groundwater level and storage declines, land subsidence, and water quality impacts. As such, the GSAs have developed a portfolio of P/MAs, each with specific projected benefits, implementation triggers, and costs; the portfolio includes 48 demand reduction management actions and 82 water supply augmentation projects.

A linear “glide path” has been developed that will result in closing the projected Subbasin deficit⁴ of approximately 372,000 AFY by 2040, of which over 80 percent is projected to be met with demand reduction P/MAs (see Figure ES-6). Subbasin GSAs have also included supply augmentation P/MAs. The Amended Subbasin Plan includes significantly more P/MAs than are required to address the projected deficit. In the event full estimated P/MA benefits are not ultimately realized, there is a built-in “safety factor” of nearly 2.0 and a plan to ensure the Subbasin projected deficit is reduced by 2040. Furthermore, under the MT Exceedance Policy, accelerated implementation of P/MAs could be triggered if MT exceedances occur.

The supply augmentation and demand reduction P/MAs identified by the Subbasin GSAs comprise a diverse portfolio of options that can be implemented as necessary to achieve sustainability from a total water quantity and water quality perspective. Additionally, eight Subbasin P/MAs establish Subbasin-wide programs, policies, collaborations, and ongoing data gap filling.

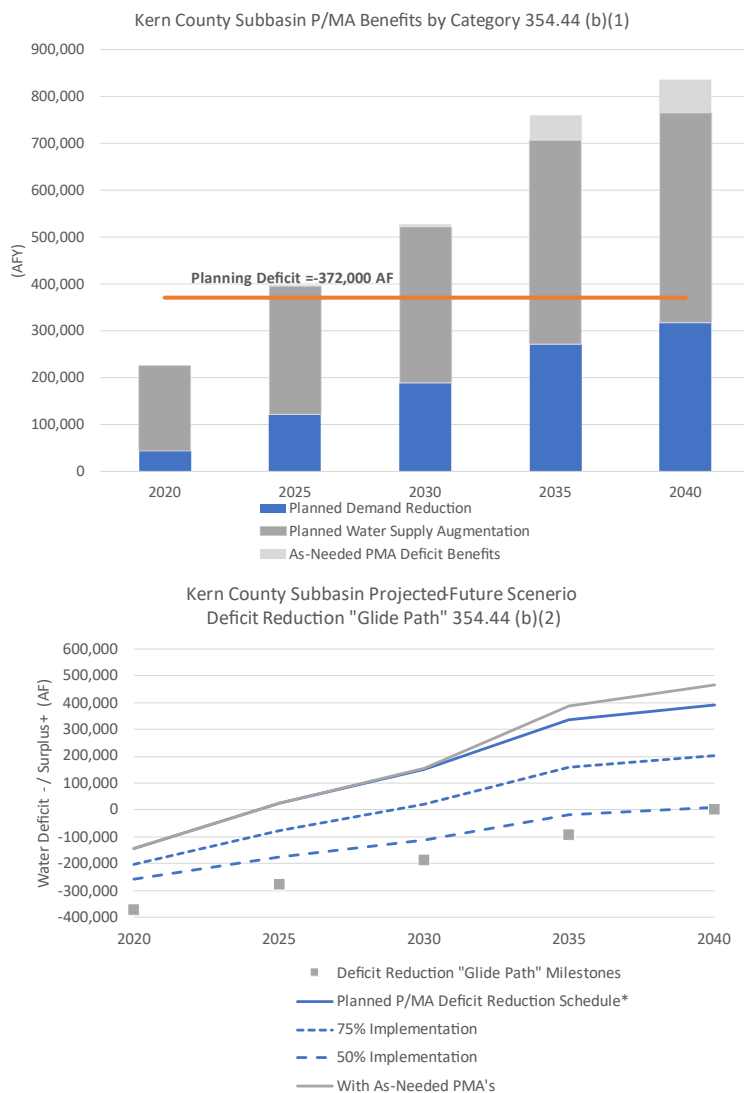


Figure ES-6. Projected-Future Scenario Overdraft Correction “Glide Path”

⁴ The net deficit to be addressed by the 2040 GSP implementation deadline is the estimated deficit under the 2030 Climate Change scenario.



The modeled simulated results for the planned P/MAs indicate that P/MA implementation along the planned glide path will successfully achieve sustainability and avoid URs for Groundwater Levels (and by proxy for the other applicable Sustainability Indicators) throughout the Subbasin. Specifically, the local numerical model results have been used to compare simulated groundwater levels to the MTs and MOs for each RMW-WL. In general, across most of the Subbasin, groundwater levels fall near or below MTs without P/MAs implementation but are typically above the MT for the simulations that include P/MAs (see Figure ES-7).

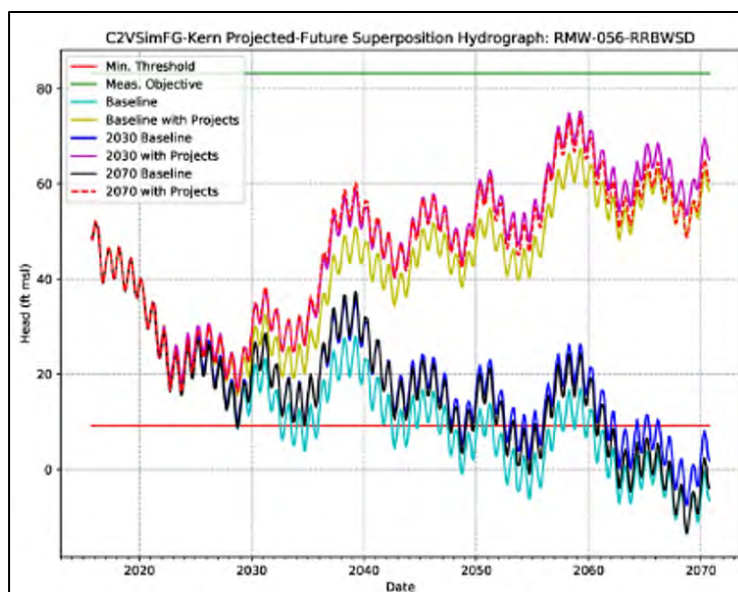


Figure ES-7. C2VSim-FG-Kern Projected Future Superposition Hydrograph (2030 Climate Change)

The implementation glide path identified by the Subbasin GSAs provides a general guide to how quickly these benefits are to be realized. To date the Subbasin GSAs have taken action on multiple P/MAs (e.g., development of new recharge basins). The exact schedule and order of implementation for other P/MAs, as seen in Figure ES-6, will be adaptively managed. Further analysis will be conducted to prioritize the P/MAs in consideration of factors such as permitting, engineering feasibility, cost effectiveness, need to prevent particular URs, funding opportunities, etc. In general, P/MAs being considered for implementation will be discussed during regular Board Meetings of each Subbasin GSA, which are noticed and open to the public. Additional stakeholder outreach efforts will be conducted prior to and during P/MA implementation, as required by law.

ES.12. Plan Implementation

Key SGMA and groundwater management implementation activities to be undertaken by the GSAs through 2040 include:

- Annual reporting.
- Monitoring and data collection.
- Data gap filling.
- P/MA implementation, including policy development to support Plan implementation.
- Technical and non-technical coordination with other water management entities within and outside the Subbasin.
- Continued outreach and engagement with stakeholders.
- Enforcement and response actions, including:



- MT Exceedance Policy
- Well Mitigation Program to be operational by 2025
- Evaluation and updates of this Plan as part of the required periodic evaluations (i.e., “five-year updates”).

Collectively, the SGMA implementation activities described herein demonstrate the Subbasin GSAs have been actively implementing specific P/MAs, policies, and programs to sustainably manage groundwater resources for all beneficial uses and users and continue to meet the Sustainability Goal defined for the Subbasin in Section ES.2 above, and in Section 2 and Section 12.

The costs associated with continued activities by the GSAs fall under two main categories: (1) costs for Subbasin-wide groundwater management activities, and (2) costs to individual GSAs to implement P/MAs within their jurisdictions, including capital/one-time costs and ongoing costs. Most costs for Subbasin-wide groundwater management activities are shared equally between the Subbasin GSAs and are estimated as an annual cost of approximately \$1.4 million. For GSA-specific P/MA implementation, the GSAs intend to meet these cost obligations through a combination of landowner contributions (within their jurisdictions), partnering agencies, grant funding (DWR, United State Bureau of Reclamation, Federal Emergency Management Agency, etc.), locally available funds, and other available sources to be determined.

ES.13. Conclusion

The GSAs recognize that management of groundwater resources in California fundamentally changed with the passage of SGMA. SGMA has introduced well-defined concepts, actions, and deadlines necessary to achieve the stated goals and to avoid URs. For the “high priority” and “critically overdrafted” subbasins, there is a renewed sense of urgency to better monitor, prepare for, and respond to these issues. The GSAs are exercising their authorities to strategically plan and implement the coordinated groundwater management program established in this Amended Subbasin Plan within their jurisdictions. The Subbasin GSAs have committed to the coordinated SMCs established in this Amended Subbasin Plan to ensure that URs do not occur, and that any potential impacts to beneficial uses and users of groundwater that may occur as a result of groundwater management, especially to drinking water users, will be mitigated. Through the comprehensive monitoring network and P/MAs developed to meet modeled projected water budget under 2030 climate change conditions, the GSAs are confident they can achieve the Subbasin’s Sustainability Goal by the SGMA deadline. The GSAs are committed to long-term coordinated groundwater management, engaging with communities and stakeholders, and building consensus to ensure sufficient groundwater resources are reliably available for current and future generations.

Attachment 2

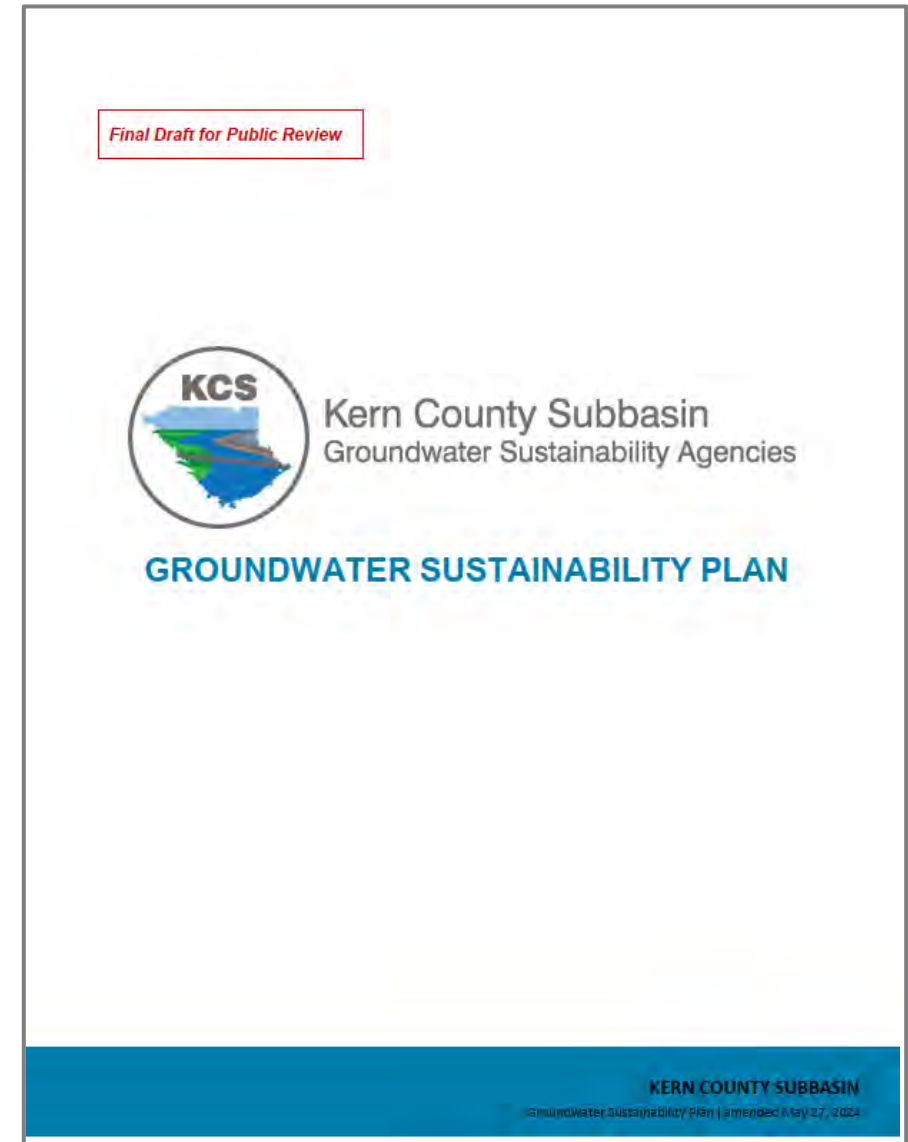


FINAL DRAFT AMENDED KERN COUNTY SUBBASIN GROUNDWATER SUSTAINABILITY PLAN

29 MAY 2024

FINAL DRAFT AMENDED SUBBASIN PLAN ROADMAP

- ✓ Significantly improved coordination across the Subbasin, the largest in the State
- ✓ Standardized data and methodologies across the Subbasin
- ✓ Revised sustainable management criteria, including undesirable results, to be more protective
- ✓ Correlated Projects and Management Actions to achieving the sustainability goal
- ✓ Funded an operational well mitigation program by 2025



OVERVIEW

Final Draft Amended Subbasin Plan Development

Plan Overview

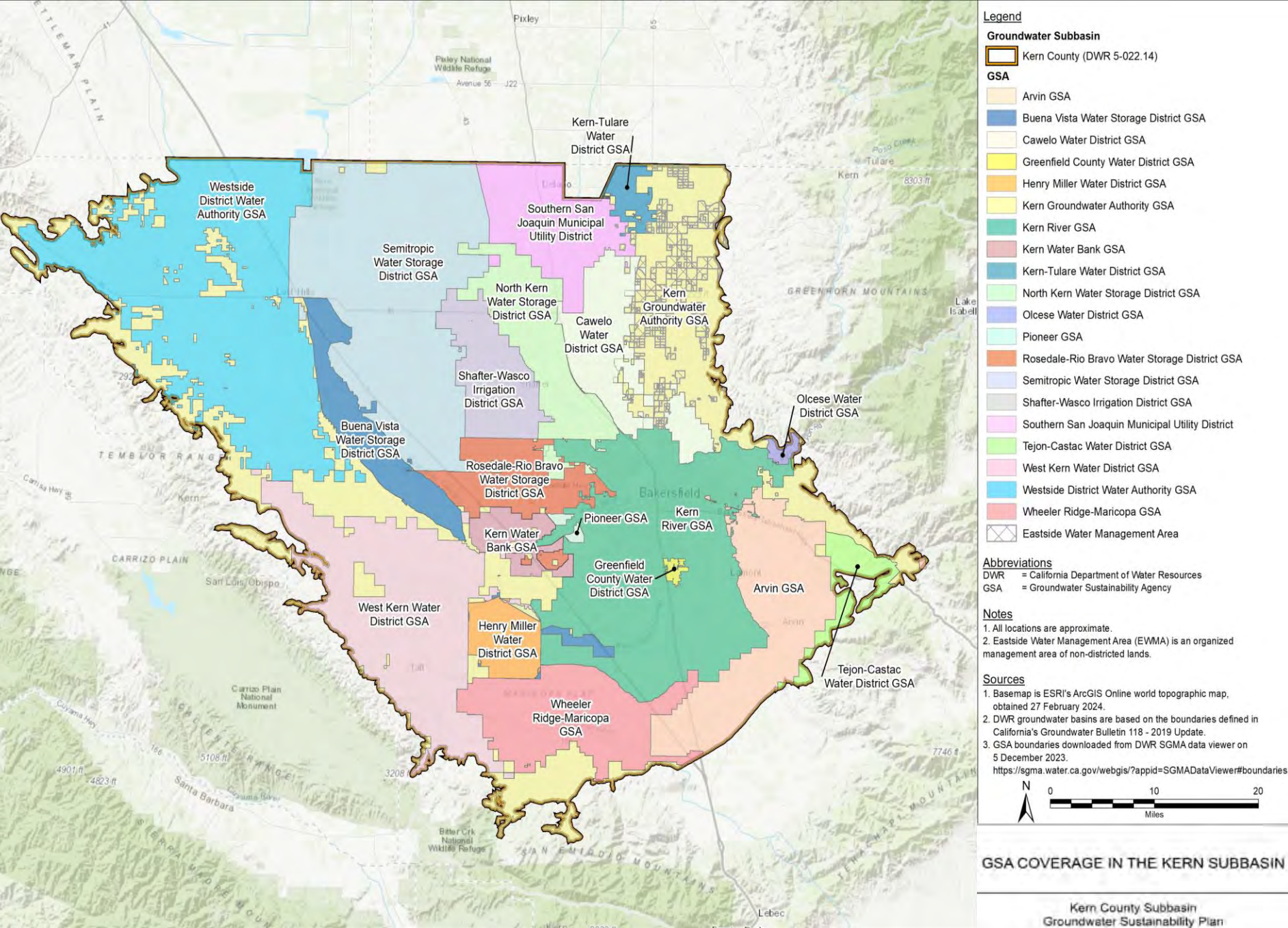
- Common Sections
- Separate Components
- Organization
- Addressing 2022 Deficiencies
- Key Section Takeaways

Next Steps

DWR DEFICIENCIES

MARCH 2023 INADEQUATE DETERMINATION LETTER

1. The GSPs do not establish undesirable results that are consistent for the entire Subbasin.
2. The Subbasin's chronic lowering of groundwater levels SMCs do not satisfy the requirements of SGMA and the GSP Regulations.
3. The Subbasin's land subsidence SMCs do not satisfy the requirements of SGMA and the GSP Regulations.



Kern County Subbasin Coordinated Amended Plan

2023 – 2025

Sustainable Management Criteria

Monitoring Network

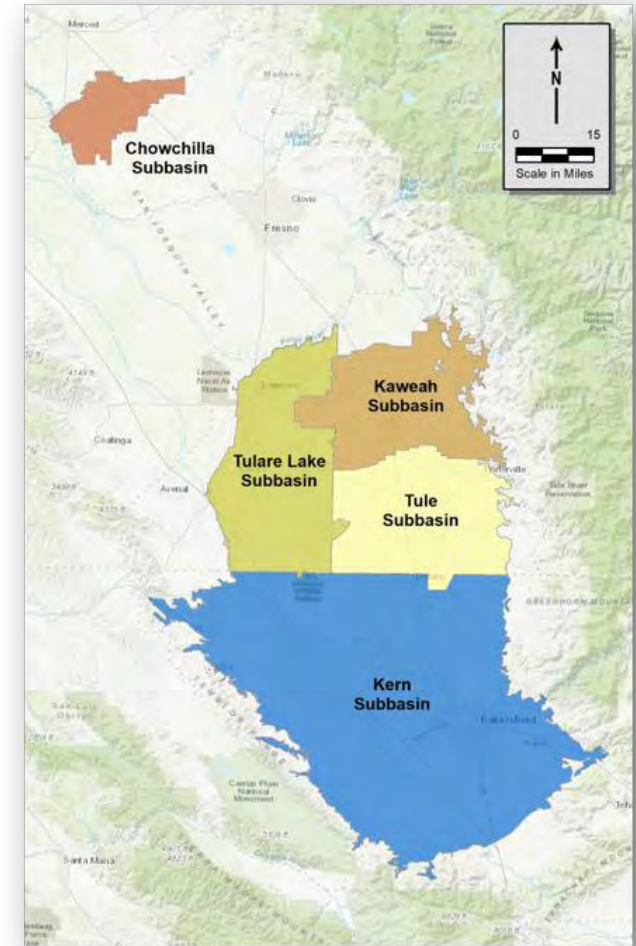
Water Budget

Projects and Management Actions

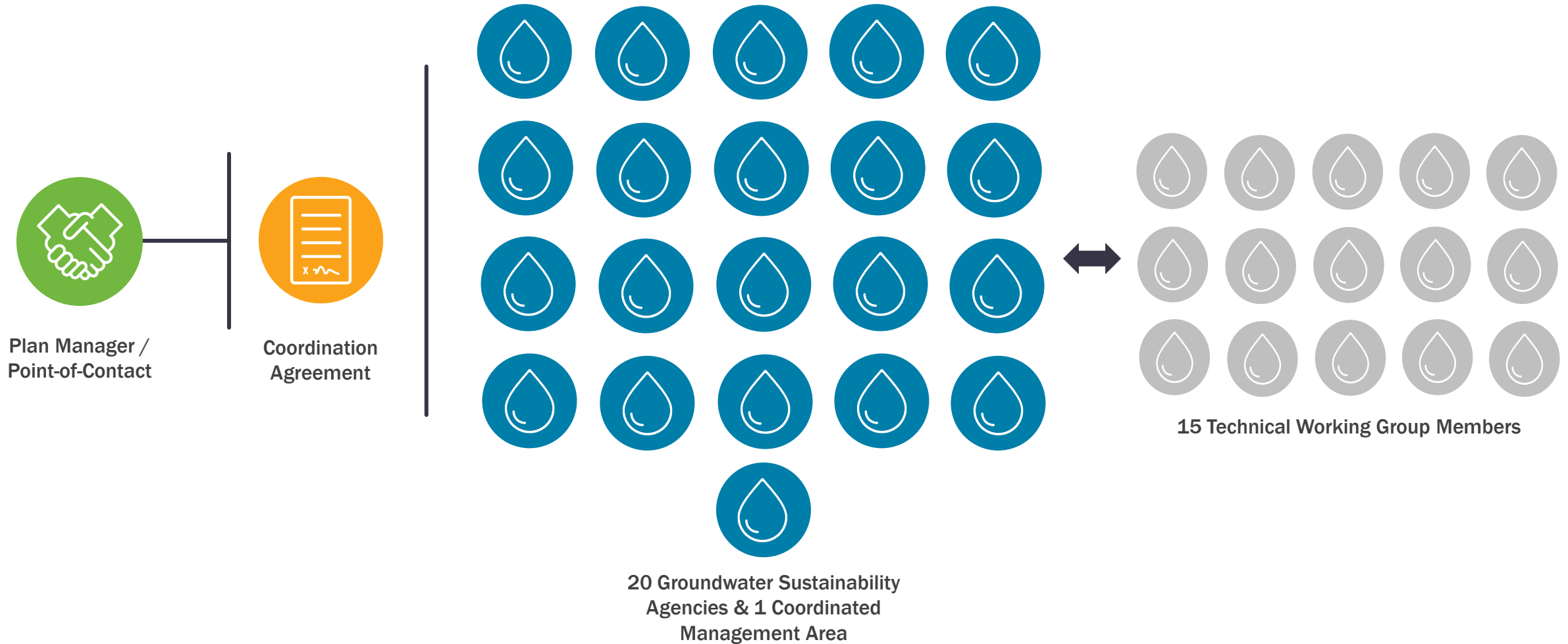
Plan Implementation

SUBBASIN PERSPECTIVE

- 1.782 million acres – **the largest Subbasin in the State**
- Based on acreage, the following could fit within the Kern County Subbasin:
 - 40 of the 71 approved basins across California, or
 - 6 of the 9 of the approved basins in the Central Valley, or
 - 4 of the other Inadequate subbasins (Tule, Tulare Lake, Kaweah, and Chowchilla) combined
- Over 25 water agencies represented



AMENDED SUBBASIN PLAN DEVELOPMENT



AMENDED SUBBASIN PLAN DEVELOPMENT

Participation from all GSAs

- 146+ Virtual/In-Person Meetings and Workshops
- Collective \$1.3 million cost
 - Additional GSA-specific expenditures
- 11-month timeline



28
Managers

70
TWG

38
Subbasin

10
SVRCB

AMENDED SUBBASIN PLAN OVERVIEW

**Amended
Subbasin Plan:**
Multiple almost identical
GSPs +
Coordination Agreement

GSP Name	Area (acres)	Area (%)	GSA	GSP Content
Kern Subbasin GSP	1,205,482	67.6%	14 GSAs ¹	Kern Subbasin GSP
Buena Vista WSD GSA GSP	51,070	2.9%	Buena Vista WSD GSA	Kern Subbasin GSP Supplemental GSA information on blue pages identified in Executive Summary
Henry Miller GSA GSP	26,063	1.5%	Henry Miller GSA	
Kern-Tulare Water District GSA GSP	11,344	0.6%	Kern-Tulare Water District GSA	
Olcese Water District GSA GSP	3,199	0.2%	Olcese Water District GSA	
Semitropic Water Storage District GSA GSP	224,350	12.6%	Semitropic Water Storage District GSA	
Westside District Water Authority GSA GSP	260,812	14.6%	Westside District Water Authority GSA	

¹Arvin GSA, Cawelo Water District GSA, Kern Groundwater Authority GSA, Kern River GSA, Kern Water Bank GSA, Greenfield County Water Districts GSA, North Kern WSD GSA, Pioneer GSA, Rosedale-Rio Bravo WSD GSA, Shafter-Wasco ID GSA, Southern San Joaquin MUD GSA, Tejon-Castac Water District GSA, West Kern Water District GSA, Wheeler Ridge-Maricopa GSA

OVERVIEW: SEPARATE COMPONENTS

GSP Coordination

Identical GSP Format

- Title Page
- Table of Contents
- Executive Summary Crosswalk: identifies **Blue Pages** Location

All **Blue Pages** located at the end of identified Sections

- Does not impact GSP numbering

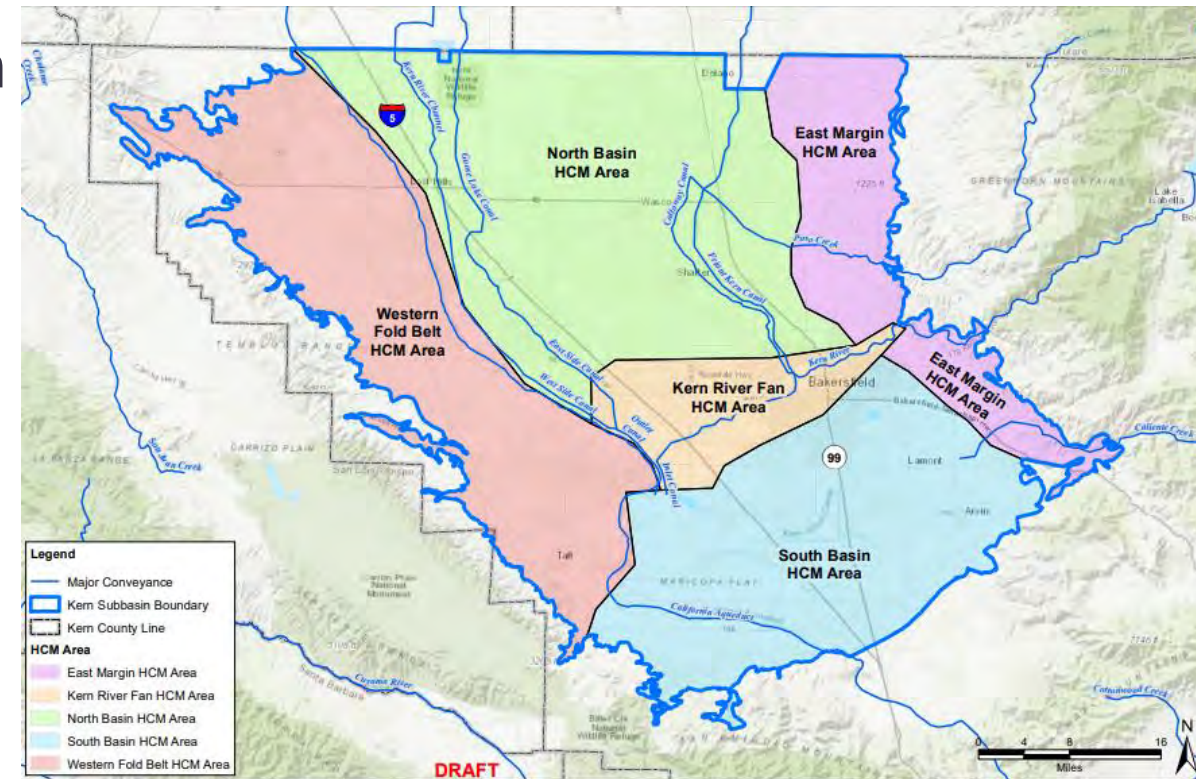
Provided word verification with submittal

- Confirms no changes to text on white pages

GSP Name	Blue Page Locations
Buena Vista WSD GSA GSP	• Executive Summary • Section 7 • Section 12 • Section 13 • Section 14
Henry Miller GSA GSP	• Executive Summary • Section 5 • Section 8 • Section 9 • Section 14
Kern-Tulare Water District GSA GSP	• Executive Summary • Section 6 • Section 14 • Section 16
Olcese Water District GSA GSP	• Executive Summary • Section 7 • Section 8 • Section 9
Semitropic Water Storage District GSA GSP	• Executive Summary • Section 5 • Section 14
Westside District Water Authority GSA GSP	• Executive Summary • Section 6 • Section 8 • Section 13 • Section 14

AMENDED SUBBASIN PLAN: GUIDING PRINCIPLES

- Commitment to Subbasin Coordination
- Address DWR Deficiencies
- Consider Beneficial Uses and Users
- Prioritize Demand Management
- Recognize Hydrogeologic Conceptual Model Areas



AMENDED SUBBASIN PLAN ORGANIZATION

Executive Summary

Introduction

- Section 1:** Purpose of the Groundwater Sustainability Plan
- Section 2:** Sustainability Goal
- Section 3:** Agency Information
- Section 4:** GSP Organization

Description of the Plan Area

Section 5

Basin Setting

- Section 6:** Introduction to Basin Setting
- Section 7:** Hydrogeologic Conceptual Model
- Section 8:** Current and Historical Groundwater Conditions
- Section 9:** Water Budget Information
- Section 10:** Management Areas

Sustainable
Management Criteria

- Section 11:** Introduction to Sustainable Management Criteria
- Section 12:** Sustainability Goal
- Section 13:** Sustainable Management Criteria

Projects and Management Actions

Section 14

Monitoring Network

Section 15

Plan Implementation

Section 16

Appendices

AMENDED SUBBASIN PLAN: EXECUTIVE SUMMARY

Amended GSP(s) are coordinated and completely replace 2022 GSPs

- Incorporated SWRCB staff feedback, new information and data, and the best available science
- Revised Subbasin Sustainability Goal
- Clear identification of where deficiencies have been addressed



Deficiency #1: The GSPs do not establish Undesirable Results (URs) that are consistent for the entire Subbasin.



Deficiency #2: The Subbasin's Chronic Lowering of Groundwater Levels Sustainable Management Criteria (SMCs) do not satisfy the requirements of SGMA and the GSP Regulations.



Deficiency #3: The Subbasin's Land Subsidence SMCs do not satisfy the requirements of SGMA and the GSP Regulations.



Additional Revision: Revision to incorporate new data or information or respond to DWR and SWRCB comments that were not identified as Corrective Actions.

AMENDED SUBBASIN PLAN: INTRODUCTION

- Explains the purpose of the Amended Subbasin Plan and document structure
- Details the Subbasin coordination efforts to address DWR deficiencies
 - Section I Table I-2 summarizes **SWRCB Technical Meetings**, including topics and summary of outcome, and where feedback was considered in the Plan
 - Section I Table I-3 summarizes **Major Plan Updates** in response to 2023 DWR deficiencies, corrective actions, summary of Plan revisions, and where information can be found in the Plan
- Identifies updates to the Subbasin Plan to incorporate new information and data, and the best available science, and where information can be found in the Plan





ADDRESSING DEFICIENCIES: SWRCB CONSULTATION

Date	Meeting Topic	Outcome	Revision in Amended GSP(s)
5/17/2023	Plan manager introduction and GSA questions	GSAs considered Plan structure, striving for the majority of the Subbasin to be included under one plan. GSAs initiated plans to expand demand reduction P/MAs.	Section 5 & 14
6/23/2023	Technical Meeting #1 Chronic Lowering of Groundwater Levels SMCs	Initiated well inventory to improve identification of beneficial users. Revised Undesirable Results (UR) definition to include dewatered drinking water wells.	Section 1.3.1, 5, 11.1, 13.1.1.1, & 13.1.1.4
10/4/2023	Technical Meeting #2 Chronic Lowering of Groundwater Levels SMCs	Expanded justification for Chronic Lowering of Groundwater Levels SMCs to include a suite of 5 drinking water well impacts analyses and a “depletion of supply” calculation.	Section 13.1.1.4 & 13.1.2.4
11/1/2023	Technical Meeting #3 Chronic Lowering of Groundwater Levels SMCs	Initiated analysis to assess Chronic Lowering of Groundwater Level SMCs inter-relationship with Land Subsidence and Degraded Water Quality SMCs.	Section 13.1.2.2, 13.3.2.2 & 13.5.2.2
12/13/2023	Technical Meeting #4 Land Subsidence SMCs	Clarified definitions for the potential causes of subsidence with the GSA’s authority and outside the GSA’s authority to manage. Established Land Subsidence SMCs across the entire Subbasin.	Section 8.5.2, 13.5 & 13.5.2.1
1/24/2024	Technical Meeting #5 Degraded Water Quality SMCs	Expanded representative monitoring network for water quality. Expanded constituents with SMCs to include 1,2,3-TCP, nitrite, and uranium. Examined potential relationship between arsenic concentrations and land subsidence.	Section 8.4, 13.1.1.4, 13.3.2.2, 13.5.2.2 & 15.2.4
3/6/2024	Technical Meeting #6 Well Inventory & Mitigation Program	Expedited timeframe for well mitigation program framework, to be operational by Jan 2025.	Section 14.2.3 & Appendices
4/3/2024	Technical Meeting #7 Monitoring Networks and SMCs Approach	Expanded representative monitoring network. Increased water quality sampling frequency to semi-annual. Revised UR definition for Degraded Water Quality. Expanded Depletions of Interconnected Surface Waters description to include ICONS dataset.	Section 8.6, 11.1, 13.3.1, 15.2.1, 15.2.4, 15.5.1 & Appendices
4/23/2024	Technical Meeting #8 Water Budgets and P/MAs Approach	Summarized all planned P/MAs and expected benefits by category on the Subbasin level and moved GSA-specific details on P/MAs as supporting appendices.	Section 14 & Appendices



RESPONSE TO DEFICIENCY #1: CROSSWALK

“The GSPs do not establish undesirable results that are consistent for the entire Subbasin.”

“While the Coordination Agreement presents Subbasin-wide undesirable results, the Subbasin’s fragmented approach towards establishing management criteria that define undesirable conditions in various parts of the Subbasin does not satisfy SGMA’s requirement to use same data and methodologies.”

Corrective Actions	Summary of Plan Revisions	Revision in Amended GSP(s)
Ia) • “Explain how the undesirable results definitions are consistent with the requirements of SGMA and the GSP Regulations.” • “Include descriptions of how the Plans have utilized the same data and methodologies to define the Subbasin-wide undesirable results and how the Plan has considered the interests of beneficial uses and users of groundwater.” Ib) • “Commit to comprehensively reporting on the status of minimum threshold exceedances by area in the annual reports and describe how groundwater conditions at or below the minimum thresholds may impact beneficial uses and users prior to the occurrence of a formal undesirable result.” Ic) • “Adopt clear and consistent terminology to ensure the various plans are comparable and reviewable by the GSAs, interested parties, and Department staff. This terminology should also adhere to the definitions of various terms in SGMA and the GSP Regulations including the understanding that undesirable results are conditions occurring throughout the Subbasin.” • “Clearly document how all of the various undesirable results definitions and methodologies achieve the same common sustainability goal.”	• Defined Subbasin-wide URs, MTs, and MOs using consistent data and methodologies. • Developed UR definitions in line with SGMA and GSP Regulations, reflecting feedback from SWRCB staff. • Revised the Chronic Lowering of Groundwater Levels UR definition to address direct impacts on drinking water wells and Subbasin-wide MT exceedances. • Conducted a robust Subbasin-wide well impacts analysis to quantify potential impacts to beneficial users, projecting fewer than 77 impacted drinking water wells by 2040. • Conducted a surface properties and land use assessment in which infrastructure was defined and categorized based on potential subsidence-related risk • Established a Subbasin-wide MT Exceedance Policy to trigger GSA action in the event of a MT exceedance • Updated functionality of the Subbasin Data Management System (DMS) so that all GSAs are notified when an MT exceedance is uploaded. • Established a detailed Subbasin-wide Well Mitigation Program • Used common language and templates (and data and methodologies) for all Amended Plan sections • Used clear and consistent terminology for the Subbasin-wide definitions for URs, MTs, and MOs • Defined and used consistent, Subbasin-wide terminology to establish Land Subsidence SMCs • Revised the Sustainability Goal	Sections 2, 5.10.3.4, 8.5.2, 11, 12, 13.1, 13.1.1, 13.1.2.4, 13.2.1, 13.3, 13.3.1, 13.5, 13.5.1, 16.2.1 & Appendices



RESPONSE TO DEFICIENCY #2: CROSSWALK

“The Subbasin’s chronic lowering of groundwater levels sustainable management criteria do not satisfy the requirements of SGMA and the GSP regulations.”

“The GSPs do not consistently and sufficiently document the effects of their selected minimum thresholds on beneficial uses and users in the Subbasin, nor explain how the minimum thresholds and measurable objectives that are set below historical lows will impact other applicable sustainability indicators...”

Corrective Actions	Summary of Plan Revisions	Revision in Amended GSP(s)
All GSPs: • “Demonstrate the relationship between the minimum thresholds for each sustainability indicator, including an explanation of how the GSA has determined that basin conditions at each minimum threshold will avoid undesirable results for each of the sustainability indicators.” • “The GSAs should address the specific corrective actions identified for the various GSPs and management area plans, as well as the corrective actions that apply to all the GSPs identified in Table 2. Where addressing those corrective actions includes modifications to the respective GSPs minimum thresholds, the GSPs should evaluate whether the Subbasin’s ‘with-projects’ modeling scenarios still indicate that implementation of the projects and management actions would avoid minimum threshold exceedances. If not, the GSAs should modify their projects and management actions accordingly.”	• Established a Subbasin-wide methodology for setting MTs and MOs for Chronic Lowering of Groundwater Levels using an iterative process that considered more than 11 potential MT methodologies • Conducted a robust Subbasin-wide well impacts analysis using the Subbasin well inventory, MTs and the quantitative criteria for URs • Conducted a “depletion of supply” analysis to quantify the percentage of urban supply that may be impacted at MTs and the UR definition. • Identified potential impacts of lowered groundwater levels on other Sustainability Indicators. • Projected the extent of subsidence that would occur under groundwater level MTs and determined that groundwater level MTs are protective of URs for land subsidence. • Selected Representative Monitoring Wells (RMWs) in areas with a potential correlation between groundwater levels and water quality . • Estimated the reduction of groundwater storage that would occur at MT groundwater levels and determined this decline in storage is not significant relative to the volume of total usable storage in the Subbasin. • Coordinated with neighboring subbasins on SMCs. • Confirmed that the Subbasin’s model results indicate that there are no instances where more than 25% of the RMW-WLs have MT exceedances over two consecutive years seasonal measurements from 2020 through 2070 based on the Projected-Future “With Project” scenario; this suggests that the Subbasin GSAs have sufficiently designed Projects and Management Actions (P/MAs) to improve the Subbasin conditions to avoid URs	Sections 8.1, 13.1, 13.2, 15.2.1, Appendices



RESPONSE TO DEFICIENCY #3: CROSSWALK

“The Subbasin’s land subsidence sustainable management criteria do not satisfy the requirements of SGMA.”

“The Plan lacks a Subbasin-wide, coordinated approach to establishing land subsidence sustainable management criteria.”

Corrective Actions	Summary of Plan Revisions	Revision in Amended GSP(s)
Subbasin: • “Coordinate and collectively satisfy the requirements of SGMA and the GSP Regulations to develop the sustainable management criteria for land subsidence.” • “Document the conditions for undesirable results for which the GSAs are trying to avoid, supported by their understanding of land uses and critical infrastructure in the Subbasin and the amount of subsidence that would substantially interfere with those uses.” • “Identify the rate and extent of subsidence corresponding with substantial interference that will serve as the minimum threshold.” • “Clearly identify the undesirable result parameters for each of the GSPs, management areas, and management area plans so it is clear how the various plans work together at the Subbasin level.” • “Explain how implementing projects and management actions proposed in the various GSPs is consistent with avoiding subsidence minimum thresholds.” • “If land subsidence is not applicable to parts of the Subbasin, provide supported justification of such.”	• Referenced and discussed key findings from the six independent subsidence studies to fill data gaps • Conducted extensive studies to explain InSAR time series methodologies to differentiate between subsidence caused by activities within and outside of the GSAs’ authority to control. • Developed Subbasin-wide definitions for Regional and GSA Area Critical Infrastructure. • Developed a Subbasin-wide approach to land subsidence SMCs, including a decision tree and risk-based matrix approach. • The GSAs have committed to minimize GSA-related subsidence by 2040. • Established land subsidence SMCs based on a projection of the average historical subsidence rates. • Assessed the potential change in slope to confirm minimal impacts to land surface uses. • Assessed potential impacts on regional critical infrastructure from future GSA-related subsidence. • Coordinated with key beneficial users of regional critical infrastructure • Updated the Subbasin-wide Land Subsidence monitoring network	Sections 8.5, 13.5, 15.2.5, Appendices

AMENDED SUBBASIN PLAN: SUSTAINABLE MANAGEMENT CRITERIA



Chronic Lowering of GW Levels

- Revised SMCs definition
 - MOs changed by +11 feet on average
 - MTs changed by +21 ft on average
 - Reduced number of impacted domestic wells from 390 to 77 "most likely" impacted based on modeling scenario
- Subbasin-wide well impacts analyses
- MT Exceedance Policy



Land Subsidence

- Revised SMCs definition
 - Predominantly GW levels by proxy to Site-specific SMCs established along Critical Infrastructure
 - SMCs established across the entire Subbasin, based on an average across the HCM Area.
- Subbasin-wide change in slope analysis along critical infrastructure
- MT Exceedance Policy



Seawater Intrusion

Does not apply to the Subbasin



Degraded Water Quality

- Predominantly GW levels by proxy, or limited COCs to subbasin wide
- COCs: Arsenic, nitrate, nitrite, nitrate+nitrite, TDS, 1,2,3-TCP, uranium
- Revised SMCs definition
- Established semi-annual sampling
- Revised RMWs
- MT Exceedance Policy



Reduction of GW Storage

- Using groundwater levels as proxy
- Calculated a range of total useable groundwater storage
- Specified a UR definition

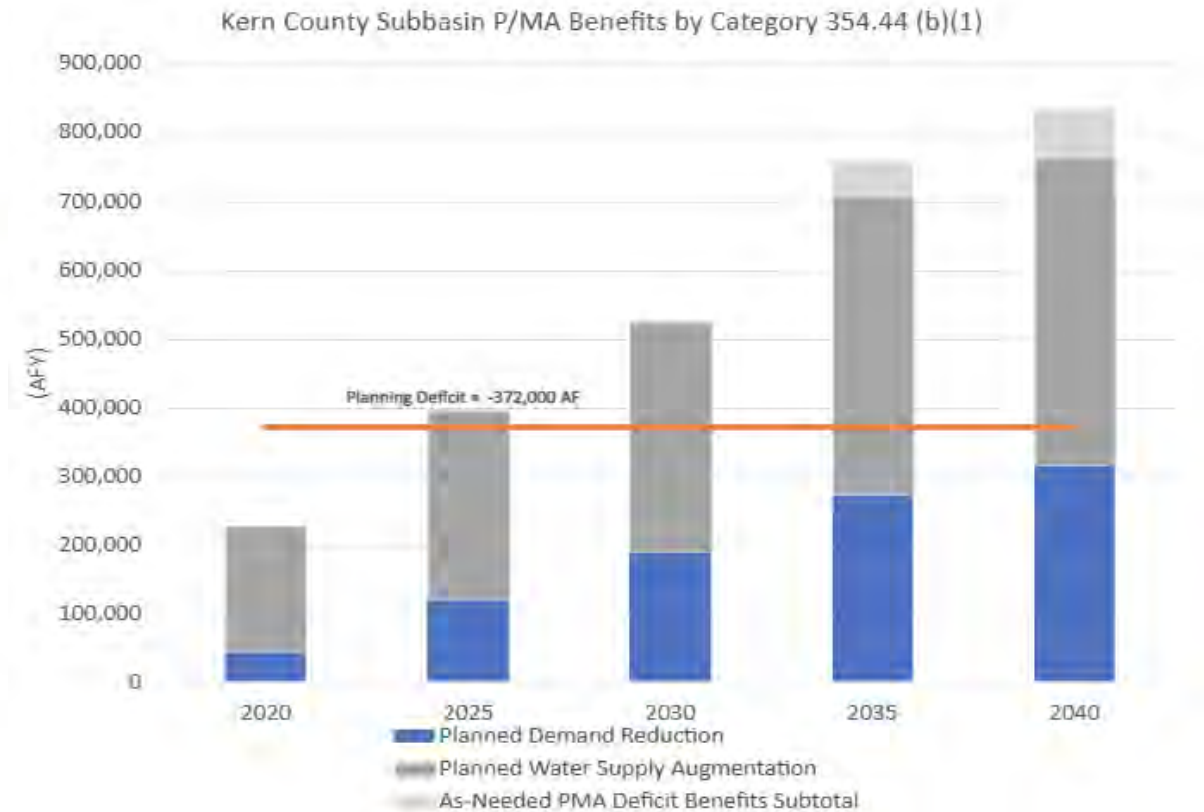
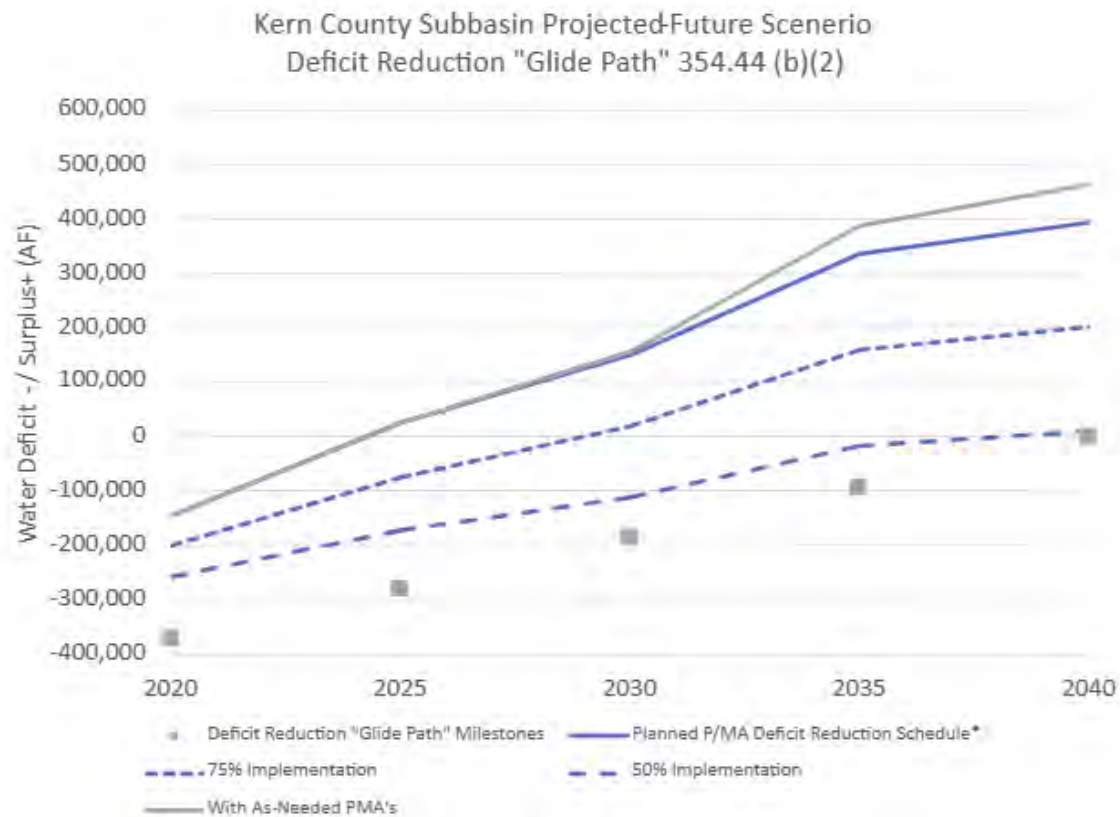


Depletions of Interconnected Surface Waters

- A few areas with potential ISWs connection is likely transient, short-lived, and involves shallow or perched groundwater that is not part of the principal aquifer systems, so therefore does not apply
- Will re-assess after full DWR guidance on ISWs is released

AMENDED SUBBASIN PLAN: PROJECTS & MANAGEMENT ACTIONS

- **P/MAs Section** focuses on the Subbasin
- Individual GSA details are included in an **Appendix**



AMENDED SUBBASIN PLAN: PROJECTS & MANAGEMENT ACTIONS

- Coordinated Subbasin-wide Projects and Management Actions
 - KSB-1 Friant-Kern Canal Capacity Mitigation
 - KSB-2 Coordination with Groundwater Regulatory Programs
 - KSB-3 Exceedance Policy
 - KSB-4 Coordination with Basin Study (Data Gaps)
 - KSB-5 Domestic Well Mitigation Plan/Emergency Water Supply
 - KSB-6 White Land Demand Management
 - KSB-7 Well Registry
 - KSB-8 Consumptive-Use Study

AMENDED SUBBASIN PLAN: IMPLEMENTATION

- Annual Reporting
- Monitoring and data collection
- Data gap filling
- Projects and Management Actions
- Coordination with other entities
- Outreach and Engagement
- Enforcement and Response
- Evaluation and Updates

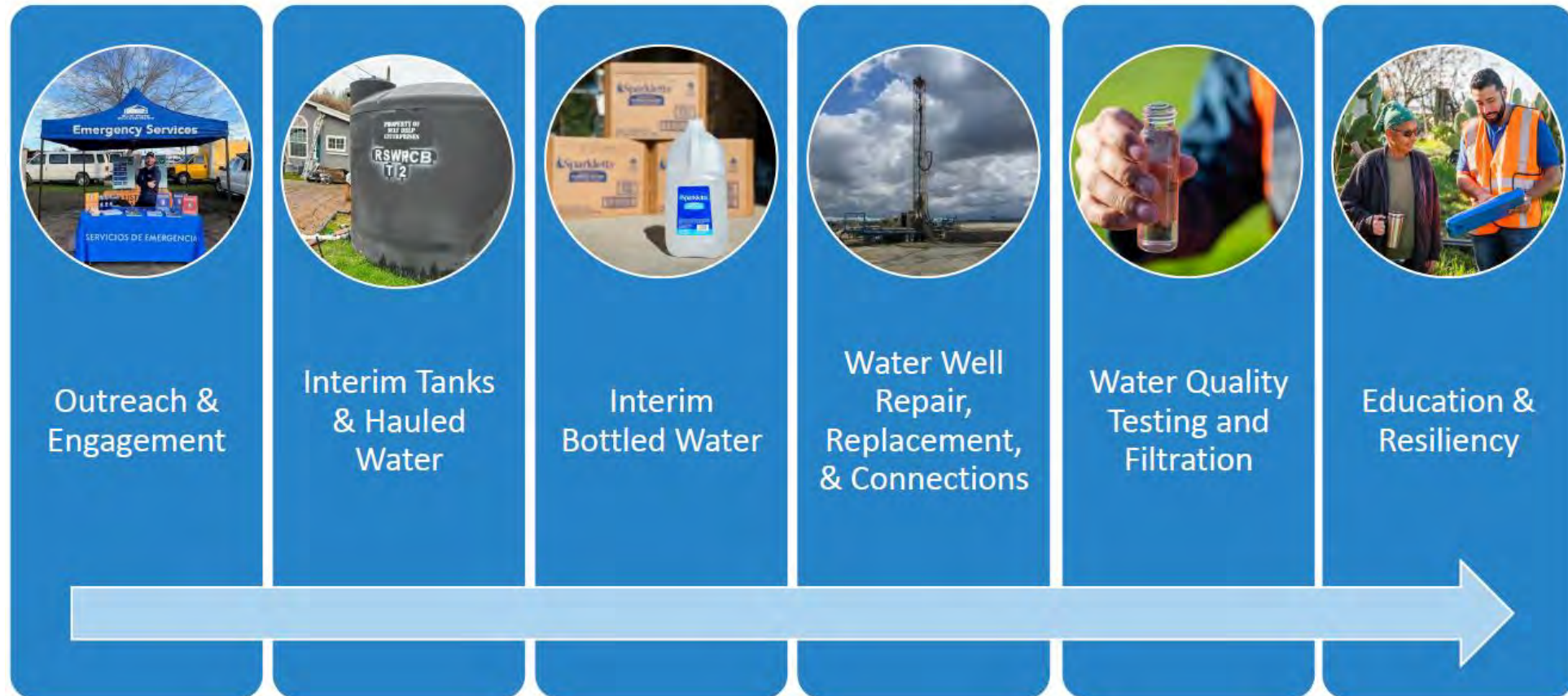
SUSTAINABILITY INDICATOR	DATA	START DATE	FREQUENCY	REPORTING
Groundwater Levels	Field Measurements	WY 1993	Semi-annual	DMS, SGMA Portal, Annual Reports
Groundwater Storage	Simulated from the numerical model	WY 1995	Annual	Annual Reports
Subsidence	InSAR Benchmark Surveys	WY 2016	Annual	DMS, Annual Reports
Water Quality	Collect Samples	WY 2024*	Semi-annual	DMS, SGMA Portal, Annual Reports
Interconnected Surface Water	Not Applicable			
Seawater Intrusion	Not Applicable			

SUBBASIN EXCEEDANCE POLICY

- Establishes protocols and guidelines for GSAs to investigate exceedance of MTs at RMWs following data collection identification of a MT Exceedance (*reported to GSAs through DMS*)
- Each GSA is responsible for: *monitoring GW conditions, complying with Subbasin Plan requirements, coordinating with other agencies, entities, and beneficial users within their boundaries*
 - Requires GSAs to report MT Exceedances in Annual Reports
 - Reaffirms data collection protocols and policies
- Steps for identification, investigation, and involvement of the Subbasin Coordination Committee to consider actions to prevent continued exceedance

SUBBASIN DOMESTIC WELL MITIGATION PROGRAM

- Subbasin initiated contract negotiations with **Self-Help Enterprises** for implementation of a *Subbasin-wide Domestic Well Mitigation Program* and **Kern Water Collaborative** for water quality
 - Implementation by January 2025



AMENDED SUBBASIN PLAN: SUBBASIN NEXT STEPS

Subbasin GSAs are requesting SWRCB staff review this Final Draft Amended Subbasin Plan as the basis for the staff report.

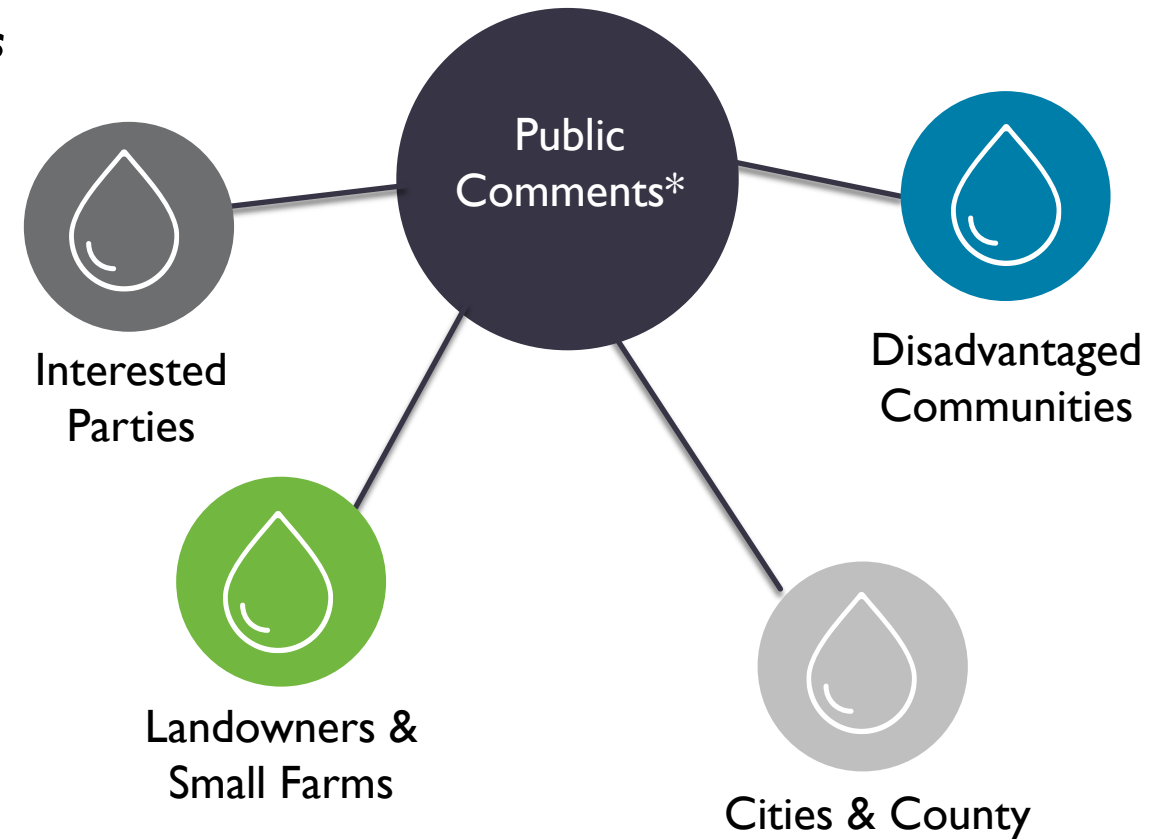
Additional SWRCB Meetings

- July Amended Plan Feedback Review (*Request*)

June 1 begins Public Comment Review Period*

Building Partnerships

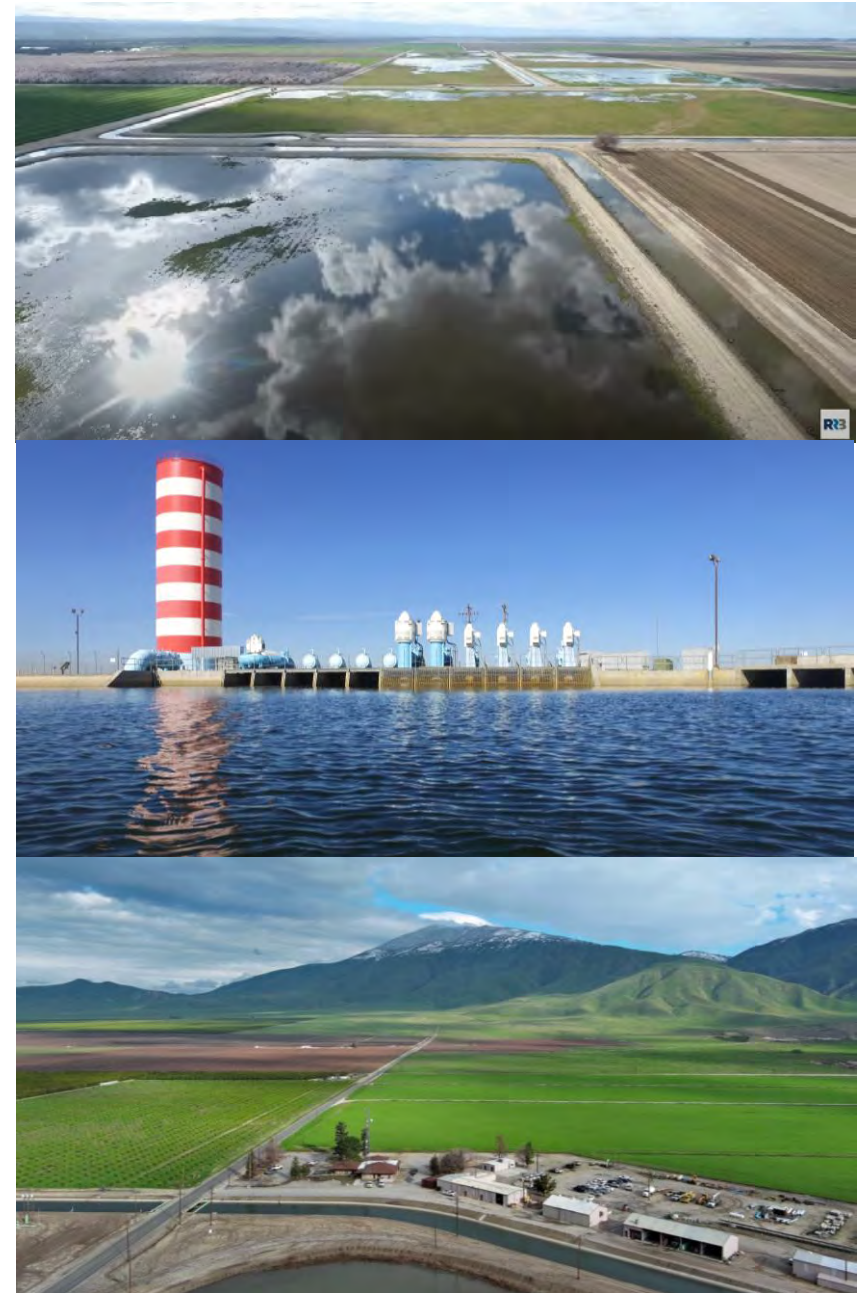
- Kern County Environmental Health
- Self-Help Enterprises
- Kern Water Collaborative
- California Aqueduct Subsidence Program (CASP)
- Friant Water Authority
- Water Association of Kern County
- Municipalities & Purveyors



*SWRCB Guidance

CLOSING REMARKS

- The Final Draft Amended Subbasin Plan has been drafted to addresses DWR Corrective Actions and the feedback provided by SWRCB staff.
- The Kern County Subbasin GSAs are committed to ongoing and coordinated SGMA implementation.



**THIRD AMENDED AND RESTATED
JOINT EXERCISE OF POWERS AGREEMENT**

KERN NON-DISTRICTED LAND AUTHORITY

THIS THIRD AMENDED AND RESTATED JOINT EXERCISE OF POWERS AGREEMENT (**Agreement**) is made and effective on the last date executed (**Effective Date**) pursuant to the California Joint Exercise of Powers Act (Govt. Code, §§ 6500 *et seq.*) by and among the public agencies listed on the attached **Exhibit A** (each, a **Member** and collectively, **Members**) providing for the Kern Non-Districted Land Authority (**Authority**) and setting the terms pursuant to which the Authority will operate.

RECITALS

A. Some of the Members previously entered into a Joint Exercise of Powers Agreement to form the Kern Groundwater Authority under the California Joint Exercise of Powers Act (Govt. Code, §§ 6500 *et seq.*). The member agencies of the Kern Groundwater Authority, as they existed from time to time, have twice amended and restated their Joint Exercise of Powers Agreement. The Members now want to again amend and restate that agreement by this Agreement for the purposes described below as well as change the name of the joint powers authority to more accurately reflect its singular purpose.

B. Each of the General Members is a local agency, as defined by the Sustainable Groundwater Management Act of 2014 (**SGMA**), duly organized and existing under and by virtue of the laws of the State of California, or an approved groundwater sustainability agency under SGMA, able to exercise powers related to groundwater management within its boundaries.

C. The Members, individually and collectively, have the goal of cost-effective, sustainable groundwater management in the Kern County Subbasin considering the interests and concerns of the Members and other stakeholders. As used in this Agreement, “**Kern County Subbasin**” means that basin as defined in Department of Water Resources Bulletin 118, as its boundaries may be modified from time to time through the procedures described in California Water Code section 10722. The Kern County Subbasin is designated as a high-priority basin by the Department of Water Resources (**DWR**).

D. Water Code section 10735.2(a)(2) provides that the State Water Resources Control Board (**State Board**) may designate the Kern County Subbasin as a probationary basin if after January 31, 2020 none of the following have occurred:

1. A groundwater sustainability agency (**GSA**) has adopted a groundwater sustainability plan (**GSP**) for the entire Kern County Subbasin;

2. A collection of local agencies has adopted GSPs that collectively serve as a GSP for the entire Kern County Subbasin; or
3. DWR has approved an alternative pursuant to Water Code section 10733.6.

E. No GSA within the Kern County Subbasin has adopted a GSP for the entire Kern County Subbasin nor has DWR approved an alternative pursuant to Water Code section 10733.6. However, the Members have, either individually or with others, adopted GSPs collectively serving as a GSP for the entire Kern County Subbasin.

F. Water Code section 10724(a) provides that, “[i]n the event that there is an area within a high- or medium-priority basin that is not within the management area of a [GSA], the county within which that unmanaged area lies will be presumed to be the [GSA] for that area.” The County of Kern declined to serve as the GSA for the unmanaged areas within the Kern County Subbasin.

G. The Kern County Water Agency (**KCWA**), having water management and supply responsibilities within the entire Kern County Subbasin, has previously agreed to provide the Authority, then known as the Kern Groundwater Authority (**KGA**), with KCWA’s jurisdictional authority over the Kern County Subbasin for the unmanaged areas lying outside the boundaries of any public agency with the required water management and supply responsibilities (**Non-districted Land**). The KGA or, in some cases, the County of Kern then entered into agreements with certain Members to enable those Members to include some Non-districted Land within their GSP or GSP chapter, as the case may be (**Outside Member Land**).

H. The intent of the Members is that the Authority will offer GSP coverage for Non-districted Land and, in some cases, offer regulatory authority to certain Members for Outside Member Land, through a grant of jurisdiction from KCWA, to maintain GSA and GSP coverage of the entire Kern County Subbasin and to avoid a probationary determination for the Kern County Subbasin by the State Board due to an adverse finding under Water Code section 10735.2(a)(2). The Members expressly intend that the Authority will *not* have the authority to limit or interfere with a Member’s rights and authorities under its GSP, what lands are included in a Member’s GSA or GSP, or over a Member’s own internal matters, including, but not limited to, a Member’s surface water supplies, groundwater supplies, projects, facilities, operations, and water management.

THEREFORE, in consideration of the mutual promises, covenants and conditions herein set forth, the Members agree as follows:

ARTICLE 1 DEFINITIONS

1.1 “Associate Members” means those Members of the Authority identified on the attached **Exhibit A** as an Associate Member or later admitted as an Associate Member in accordance with the terms and provisions of this Agreement and consistent with SGMA that are not General Members. The Board of Directors may from time to time admit Associate Members on terms and conditions consistent with SGMA and as determined by the Board. Representatives of Associate Members may not serve on the Board and/or Board Committees. Likewise, while the Board of Directors welcomes their input, the representatives of Associate Members shall be non-voting, their presence shall not be counted in determining whether a quorum is present, and they shall not be permitted in closed sessions of the Board of Directors, unless directed otherwise by the Board of Directors.

1.2 “Board of Directors” or “Board” means the governing body of the Authority as established by Section 3.01 below.

1.3 “General Member” means those Members of the Authority identified as General Members on the attached **Exhibit A** or later admitted as a General Member in accordance with the terms and provisions of this Agreement. A local agency as defined by SGMA may participate as a General Member on its own behalf or join with one or more agencies as a single General Member. Multiple agencies which elect to coordinate their representation as one General Member shall, for purposes of this Agreement, be treated as one General Member.

1.4 “Jurisdictional Member” means the Kern County Water Agency. The Jurisdictional Member is not a General Member or an Associate Member of the Authority. The sole purpose of the Jurisdictional Member within the Authority is to provide the Authority with regulatory authority under SGMA for Non-districted Land, including Outside Member Land. The Jurisdictional Member will not have any obligation to fund the Authority or otherwise pay money to the Authority under Article 5 of this Agreement. The Jurisdictional Member has no seat or voting rights on the Board of Directors, no responsibility to draft a GSP or GSP chapter covering any Non-districted Land or Outside Member Land, or any other responsibility under this Agreement unless otherwise agreed in writing by the Jurisdictional Member.

1.5 “Members” means the General Members, Associate Members, and Jurisdictional Member.

1.6 “Special Activities” means activities that are consistent with the purpose of this Agreement, but undertaken by all or fewer than all the Members in the name of the Authority pursuant to Section 4.9 below.

ARTICLE 2 CREATION OF AUTHORITY

2.1 Creation of Authority. There is hereby created under the provisions of Government Code sections 6500 *et seq.*, a joint powers authority, which will be a public entity separate from the Members and shall be known as the Kern Non-Districted Land Authority. Within 30 days after the Effective Date and after any amendment, the Authority shall cause a notice of this Agreement or amendment to be prepared and filed with the office of the California Secretary of State containing the information required by Government Code section 6503.5. Within 70 days after the Effective Date, the Authority shall cause a statement of the information concerning the Authority required by Government Code section 53051 to be filed with the office of the California Secretary of State and with the County Clerk for the County of Kern setting forth the facts required to be stated under Government Code section 53051(a).

2.2 Purpose of the Authority. The Authority intends, among other things, to adopt and implement a GSP or GSP chapter for Non-districted Land, and enter into agreements, as necessary and requested, with General Members to provide them with the required regulatory authority to include Outside Member Land in a General Member's GSP or GSP chapter. This includes continued implementation of the Authority's adopted GSP existing as of the Effective Date pending the Authority's adoption of any amended GSP or GSP chapter. The sole purpose of the Authority is to provide regulatory authority for Non-districted Land so those lands are able to be regulated under a GSP as required by SGMA.

2.3 Term. This Agreement will become effective upon execution by all of the Members and will remain in effect for a period of two years following the Effective Date unless earlier terminated by agreement of a 75 percent majority of then participating Members. Unless and until terminated, this Agreement shall remain in effect and be binding upon the Members, and upon all future Members, except as to any party which is terminated from its participation in the Authority in accordance with this Agreement. The Members are committed to transitioning, prior to the termination of this Agreement, SGMA implementation over Non-districted Land to the owners of those lands who have historically extracted groundwater for use on those lands, the County of Kern, or another appropriate agency. Notwithstanding the foregoing, this Agreement will terminate upon the County of Kern becoming the GSA for all Non-districted Land. In the event the State Board designates the Kern Subbasin as a probationary basin, this Agreement will remain in effect for the remainder of its term, but all actions of the Authority related to the Authority's purpose, as described in Section 2.2 above, following that probationary designation must be taken as Special Activities.

ARTICLE 3

POWERS

The Authority shall possess the power in its own name to exercise any and all common powers of its General Members reasonably related to the purpose of the Authority, including (1) making and entering into contracts with the Jurisdictional Member, General Member(s), Associate Member(s), and others as necessary to accomplish the Authority's purpose, (2) serving as a GSA, as well as developing, adopting and implementing a GSP or GSP chapter, for Non-districted Land, except Outside Member Land for which a General Member serves as a GSA, and (3) such other powers as are expressly set forth in the Joint Exercise of Powers Act (Govt. Code, §§ 6500 *et seq.*), and may be exercised consistent with the purpose of the Authority. In the development and adoption of a GSP or GSP chapter, the Authority must reasonably consider the interests of owners of Non-districted Land who have historically extracted groundwater for use on those lands. The Authority will not oppose the inclusion of any Non-districted Lands in the GSA/GSP of any Member, as may be agreed upon a Member and Non-districted Landowner. For purposes of Government Code section 6509, and unless the Authority has adopted applicable rules, regulations, policies, bylaws and procedures, the powers of the Authority shall be exercised subject to the restrictions upon the manner of exercising such powers as are imposed on Cawelo Water District or, if Cawelo Water District ceases to be a General Member, another California water district that is a General Member of the Authority.

ARTICLE 4

INTERNAL ORGANIZATION

4.1 Governing Body. The Authority will be governed by a Board of Directors which is hereby established, and which shall be initially composed of representatives for each of the General Members and two representatives for owners of Non-districted Land. The Non-districted Land representatives will be appointed by the Board following recommendations(s) from Members or owners of Non-districted Land. There will not be a representative for any Associate Member on the Board of Directors, although a person affiliated with an Associate Member may be appointed to serve on the Board as a representative for owners of Non-districted Land. Without amending this Agreement, the Board of Directors composition will be altered from time to time to reflect the termination and/or admission of any new General Members.

4.2 Directors. Each General Member's governing board shall select a representative to serve as its representative on the Board. A Member may designate a representative to serve as its alternate Director. The role of each alternate Director is to assume the duties of the Director appointed by his/her Member agency in the event of the absence or unavailability of such Director, including the Director's duties as a member of any Committee established pursuant to Section 4.4

below. A Director and any alternate Director so named will continue to serve until his or her respective successor is appointed.

4.3 Officers. The Board shall select a Chair from among the Board of Directors who shall be the presiding officer of the Board meetings. The Board shall also select a Vice Chair from among the Board of Directors who shall serve as the presiding officer in the absence of the Chair. The Board shall also select a Secretary, who need not be a member of the Board of Directors. The terms of such Officers shall be established by the Board of Directors from time to time and as necessary.

4.4 Committees. The Board of Directors may from time to time appoint one or more ad hoc or standing committees to assist in carrying out the purposes and objectives of the Authority. The Board shall determine the purpose and need for such committees. No committee or participant on such committee will have any authority to act on behalf of the Authority.

4.5 Quorum. Directors holding two-thirds of the voting power on the entire Board of Directors on a matter shall constitute a quorum for the transaction of Authority business, including any committee meetings. Any Board member abstaining from a vote shall be counted for purposes of determining the existence of a quorum, but shall not be deemed to be voting.

4.6 Voting. Voting by the Board of Directors shall be made on the basis of one vote for each Director. A Director may vote on all matters of Authority business unless disqualified because of a conflict of interest pursuant to California law or the local conflict of interest code adopted by the Board of Directors. A Director (including a Director serving as a member of a committee) may vote on any matter or action even if (a) that would affect the Member represented by such Director, or (b) that would impact any land or landowners within the boundaries of the Member represented by such Director or Outside Member Land managed in whole or in part by such Member.

4.7 Affirmative Decisions of the Board of Directors. Except as otherwise provided in this Agreement, all decisions of the Board of Directors require the affirmative vote of 75 percent of the total number of Directors on the Board present and voting. Notwithstanding the foregoing, any approval or amendment to the Authority's GSP shall require the affirmative vote of 100 percent of the Directors on the Board.

4.8 Meetings. Meetings of the Board of Directors and any committee (to the extent applicable) shall be conducted in accordance with the Ralph M. Brown Act (Govt. Code, §§ 54950, *et seq.*)

4.9 Special Activities. With the prior approval of 100 percent of the Board of Directors, Members may undertake Special Activities in the name of the Authority. All Members shall be given the opportunity to participate in each Special Activity of the Authority. Prior to undertaking a Special Activity, the Members electing to participate in the Special Activity shall enter into an activity agreement. Such activity agreement shall provide that (a) no Special Activity undertaken pursuant to such agreement shall conflict with the terms of this Agreement and (B) the Members

to the activity agreement shall indemnify, defend and hold the Authority, and the Authority's other Members, harmless from and against any liabilities, costs or expenses of any kind arising as a result of the Special Activity described in the activity agreement. All assets, rights, benefits, debts, liabilities and obligations attributable to a Special Activity shall be assets, rights, benefits debts, liabilities and obligations solely of the Members that have entered into the activity agreement for that Special Activity, in accordance with the terms of the activity agreement, and shall not be the assets, rights, benefits, debts, liabilities and obligations of those Members that have not executed the activity agreement. Members not electing to participate in the Special Activity shall have no rights, benefits, debts, liabilities, or obligations attributable to such Special Activity.

(a) **Continued Administration of Existing Grants.** As a first Special Activity, which will not be subject to approval by the Board of Directors, the Members agree the Authority may continue to administer grants awarded to the Authority prior to the Effective Date in the same fashion as those grants have historically been administered by the Authority. However, this agreed Special Activity for administration of existing grants may not serve as a precedent for administration by the Authority of any future grants as those must be the subject of an additional Special Activity and Board approval.

4.10 Admission and Termination of Members.

(a) Additional parties may join in this Agreement and become Members or Associate Members upon the approval of the entire Board of Directors, subject to terms and conditions as may be established by the Board of Directors. Prior to being admitted as a new Member, an entity shall execute an agreement to be bound by the terms of this Agreement and any other terms and conditions established by the Board of Directors.

(b) A Member may be terminated by a 75 percent vote of the Directors representing Members not subject to the termination vote if such Member is then in breach of this Agreement and the breach is identified in the vote of the Board of Directors. Upon termination, the breaching Member shall no longer be a Member of the Authority; provided, that such termination shall become effective no earlier than 90 days after such vote of the Board of Directors and shall only be effective if the breach identified in the vote of the Board of Directors has not been cured by the effective date for the termination.

(c) The terminated Member will also be entitled to copies of all non-confidential documents, information, and material developed by the Authority and paid for in whole or in part by the Member prior to the Member's termination.

ARTICLE 5 FINANCIAL PROVISIONS

5.1 Fiscal Year. The fiscal year of the Authority shall be from January 1 through December 31 of each calendar year (**Fiscal Year**).

5.2 Funds; Accounts. An outside certified public accountant shall serve as the fiscal agent and Treasurer of the Authority unless otherwise determined by the entire Board. The fiscal agent shall be responsible for all money of the Authority from whatever source. The Board may compensate the fiscal agent for services rendered.

(a) All funds of the Authority shall be strictly and separately accounted for and regular reports shall be rendered of all receipts and disbursements at least quarterly during the Fiscal Year. The books and records of the Authority shall be open to inspection by the Members.

(b) The Authority shall contract with a certified public accountant to make an audit or review of the accounts and records of the Authority which shall be conducted in compliance with Section 6505 of the California Government Code. All costs associated with this Audit will be the full responsibility of the Authority.

5.3 Property; Bonds. The Board of Directors shall from time to time designate the officers and persons, in addition to those specified in Section 5.3 above, who shall have charge of, handle, or have access to any property of the Authority. Each such officer and person shall file a bond in an amount designated by the Board of Directors.

5.4 Budget. By a date set by the Board of Directors each Fiscal Year, the Board of Directors shall adopt a budget for the Authority for the ensuing Fiscal Year; provided, that except as provided in Section 5.5 below, the Authority shall not impose assessments or other charges on Members. Notwithstanding the foregoing, by its execution of this Agreement, each Member confirms that it has authorized its Director and any alternate Director to approve or disapprove actions and expenditures by the Authority over and above the approved annual budget of the Authority for a Fiscal Year that do not create a fiscal obligation greater than \$5,000 on such Member without further action of such Member.

5.5 Payments to the Authority.

(a) Except as otherwise provided, all fees, costs and expenses incurred by the Authority for general administrative services, such as legal, preparation of audits, and other general administrative functions, and activities related to development and implementation of a GSP for Non-districted Land covered by the Authority's GSP or GSP chapter shall be funded (i) from permissible contributions from or charges to third parties, including landowners within the Non-districted Land

covered by the Authority's GSP or GSP chapter and (ii) assessments on the Members and Associate Members, levied from time to time by the Board of Directors to carry out the activities of the Authority generally applicable to all General Members and Associate Members, as shown on the attached **Exhibit A**. Members that were not Members of the Authority prior to the Effective Date (i.e., Members joining the Authority through execution of this Agreement) shall not be obligated to pay assessments to the Authority for any of the debts, liabilities or obligations of the Authority incurred prior to the Effective Date, unless expressly assumed in writing.

(b) No Member or Associate Member shall be bound, financially or otherwise, by any obligation, contract or activity undertaken by the Authority unless and except to the extent agreed upon by the Member, except that each Member shall be obligated to fund its then current annual share of the annual budget (i.e., general administrative services, such as legal, preparation of audits, and other general administrative functions) of the Authority, provided such budgets are otherwise approved as provided herein. Funding of other matters shall be through Special Activity agreements or as otherwise agreed to by the Members in writing.

5.6 Liability For Debts. The Members do not intend to be obligated either jointly or severally for the debts, liabilities or obligations of the Authority, except as may be specifically provided for in under Government Code section 895.2, as amended or supplemented. Provided, however, if any Member(s) of the Authority are, under such applicable law, held liable for the acts or omissions of the Authority caused by negligent or wrongful act or omission occurring in the performance of this Agreement, such parties shall be entitled to contribution from the other Members so that after said contributions each Member shall bear an equal share of such liability, as shown on the then-current attached **Exhibit A**.

5.7 SGMA-Related Expenses Incurred by Members. Expenses incurred by a Member or Associate Member, or group of Members, for SGMA implementation within its or their boundaries shall be borne solely by that Member, Associate Member, or group of Members. Neither the Authority nor its other Members shall be liable for those expenses.

5.8 Separate Entity; Property. In accordance with Government Code sections 6506 and 6507, the Authority shall be a public entity separate and apart from the parties to this Agreement. Unless, and to the extent otherwise agreed herein, the debts, liabilities and obligations of the Authority shall not be debts, liabilities or obligations of the Member entities. The Authority shall own and hold title to all funds, property and works acquired by it during the term of this Agreement.

5.9 Disposition of Property Upon Termination or Determination by Board of Directors of Surplus.

(a) Upon termination of this Agreement or upon determination by the Board of Directors that any surplus funds on hand, such surplus money shall be returned to the payors of the subject surplus funds. The distribution of said surplus to Members and Associate Members shall be proportionate to the current year percentages as shown in the attached **Exhibit A**, or as modified after the inclusion of new Members.

(b) The Board of Directors shall first offer any surplus properties, works, rights and interests of the Authority for sale to the Members and the sale shall be at the Authority's actual cost unless otherwise required by law. If no such sale is consummated, then the Board of Directors shall offer the surplus properties, works, rights and interests of the Authority for sale in accordance with applicable law to any governmental agency, private entity or persons for good and adequate consideration.

ARTICLE 6 MANAGEMENT

The Authority may, by contract, hire for management services to the Authority. In lieu of that hiring, the Authority may engage one or more staff members from the Members, with the consent of that Member, to manage any or all of the business of the Authority on terms and conditions acceptable to the Board of Directors. Any staff member so engaged shall remain the employee of the Member employing him or her, and that Member shall be solely responsible for the staff member's compensation.

ARTICLE 7 MISCELLANEOUS PROVISIONS

7.1 Amendment. This Agreement may be amended from time to time by the concurrence of 75 percent of the General Members. To provide non-concurring parties an opportunity to withdraw from the Authority, an amendment shall be binding on all parties 60 days after the required concurrence has been obtained. Any amendment to extend the term of this Agreement shall provide a non-concurring party a 90 day period to withdraw with no continuing financial obligation required.

7.2 Severability and Validity of Agreement. If the participation of any party to this Agreement, or any part, term or provision of this Agreement is decided by a Court or the Legislature to be illegal, in excess of that party's authority, in conflict with any law of the State of California, or otherwise rendered unenforceable or ineffectual, the validity of the remaining

portions, terms or provisions of this Agreement shall not be affected thereby and each party hereby agrees it would have entered into this Agreement upon the remaining terms and provisions.

7.3 Assignment. Except as otherwise provided in this Agreement, the rights and duties of the parties to this Agreement may not be assigned or delegated without the advance written consent of the Authority (as evidenced by a majority vote of the Board of Directors), and any attempt to assign or delegate such rights or duties in contravention of this section shall be null and void. Any assignment or delegation permitted under the terms of this Agreement shall be consistent with the terms of any contracts, resolutions or indentures of the Authority then in effect, including any Special Activity agreement to which the assigning or delegating Member is a party. This Agreement shall inure to the benefit of and be binding upon the successors and assigns of the parties hereto. This section does not prohibit a party from entering into an independent agreement with another agency regarding the financing of that party's contributions to the Authority or the disposition of proceeds which that party receives under this Agreement so long as such independent agreement does not affect, or purport to affect, the rights and duties of the Authority or the parties under this Agreement.

7.4 Execution in Parts or Counterparts. This Agreement may be executed in parts or counterparts, each part or counterpart being an exact duplicate of all other parts or counterparts, and all parts or counterparts shall be considered as constituting one complete original and may be attached together when executed by the parties hereto. Facsimile or electronic signatures shall be binding.

7.5 Notices. Notices authorized or required to be given pursuant to this Agreement shall be in writing and shall be deemed to have been given when mailed, postage prepaid, or delivered during working hours to the addresses set forth for each of the parties hereto on the attached **Exhibit A**, or to such other changed addresses communicated to the Authority and the Members in writing, and to such other entities that become Members.

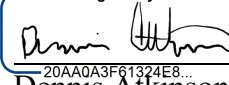
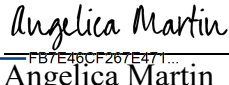
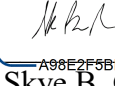
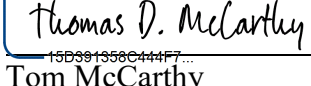
7.6 Entire Agreement. This Agreement represents the entire agreement of the parties with respect to the subject matter hereof. All understandings and agreements heretofore had between the parties respecting this transaction, including without limitation, any offers, counteroffers or letters of intent, are merged in this Agreement, which fully and completely expresses the agreement of the parties. There are no representations, warranties, covenants or agreements except as specifically and expressly set forth herein and in the exhibits annexed hereto.

7.7 Interpretation. The words and phrases defined in Article 1 will, in addition to the definitions contained in the Preamble and Recitals as indicated with bold font, govern interpretation of this Agreement. When a reference is made in this Agreement to Articles, sections, or Exhibits, such reference shall be to an Article, section of or exhibit to this Agreement unless otherwise indicated. All attached exhibits are incorporated herein by reference. The headings contained in this Agreement are for reference purposes only and shall not affect in any way the

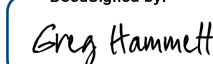
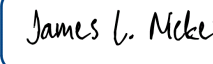
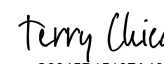
meaning or interpretation of this Agreement. Whenever the words “include,” “includes,” and “including” are used in this Agreement, they shall be deemed to be followed by the words “without limitation.” No provision of this Agreement shall be construed to require any person to take any action that would violate any applicable law, rule, or regulation.

IN WITNESS WHEREOF, the parties have executed this Agreement on the day and year set forth on the attached **Exhibit A**.

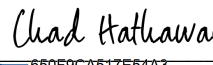
EXHIBIT A**GENERAL MEMBERS**

Name: ARVIN-EDISON WATER STORAGE DISTRICT DocuSigned by:  By: _____ ETC82EE480C1471... Name: <u>Derek Yurosek</u> Its: <u>Board Director</u> Address: <u>20401 E Bear Mountain Blvd.</u> <u>Arvin, CA 93203</u> Date: <u>5/23/2024</u> Member's Cost Share Contribution: 5%	Name: WHEELER RIDGE-MARICOPA WATER STORAGE DISTRICT DocuSigned by:  By: _____ 20AA0A3F61324E8... Name: <u>Dennis Atkinson</u> Its: <u>Board President</u> Address: <u>12109 CA-166</u> <u>Bakersfield, CA 93313</u> Date: <u>5/28/2024</u> Member's Cost Share Contribution: 5%
Name: TEJON-CASTAC WATER DISTRICT DocuSigned by:  By: _____ FB7E46CF267E471... Name: <u>Angelica Martin</u> Its: <u>Secretary/Authorized Signatory</u> Address: <u>5665 Santa Elena Dr.</u> <u>Arvin, CA 93203</u> Date: <u>5/22/2024</u> Member's Cost Share Contribution: 5%	Name: KERN DELTA WATER DISTRICT DocuSigned by:  By: _____ ECC3BE39CF14479... Name: <u>Rodney Palla</u> Its: <u>Board President</u> Address: <u>501 Taft Hwy.</u> <u>Bakersfield, CA 93307</u> Date: <u>5/24/2024</u> Member's Cost Share Contribution: 5%
Name: KERN-TULARE WATER DISTRICT DocuSigned by:  By: _____ A98E2F5B86E64BD... Name: <u>Skye B. Grass</u> Its: <u>General Manager</u> Address: <u>5001 California Ave.</u> <u>Bakersfield, CA 93309</u> Date: <u>5/23/2024</u> Member's Cost Share Contribution: 5%	Name: KERN COUNTY WATER AGENCY IMPROVEMENT DISTRICT NO. 4 DocuSigned by:  By: _____ 15D391358C444F7... Name: <u>Tom McCarthy</u> Its: <u>General Manager</u> Address: <u>3200 Rio Mirada Dr.</u> <u>Bakersfield, CA 93308</u> Date: <u>5/28/2024</u> Member's Cost Share Contribution: 5%

Name: SOUTHERN SAN JOAQUIN MUNICIPAL UTILITY DISTRICT DocuSigned by:  By: _____ Name: <u>Roland Gross</u> Its: <u>General Manager</u> Address: <u>11281 Garzoli Ave.</u> <u>Delano, CA 93215</u> Date: <u>5/24/2024</u> Member's Cost Share Contribution: 5%	Name: SHAFTER-WASCO IRRIGATION DISTRICT DocuSigned by:  By: _____ Name: <u>Randy Bloemhof</u> Its: <u>Board Director</u> Address: <u>16294 Central Valley Hwy.</u> <u>Wasco, CA 93280</u> Date: <u>5/22/2024</u> Member's Cost Share Contribution: 5%
Name: SHAFTER-WASCO IRRIGATION DISTRICT SEVENTH STANDARD ANNEX DocuSigned by:  By: _____ Name: <u>Randy Bloemhof</u> Its: <u>Board Director</u> Address: <u>16294 Central Valley Hwy.</u> <u>Wasco, CA 93280</u> Date: <u>5/22/2024</u> Member's Cost Share Contribution: 5%	Name: NORTH KERN WATER STORAGE DISTRICT DocuSigned by:  By: _____ Name: <u>Kevin S. Andrew</u> Its: <u>Board President</u> Address: <u>33380 Cawelo Ave.</u> <u>Bakersfield CA 93308</u> Date: <u>5/22/2024</u> Member's Cost Share Contribution: 5%
Name: CAWELO WATER DISTRICT DocuSigned by:  By: _____ Name: <u>David Halopoff</u> Its: <u>Assistant General Manager</u> Address: <u>17207 Industrial Farm Rd.</u> <u>Bakersfield, CA 93308</u> Date: <u>5/23/2024</u> Member's Cost Share Contribution: 5%	Name: WESTSIDE DISTRICT WATER AUTHORITY DocuSigned by:  By: _____ Name: <u>Mark Gilkey</u> Its: <u>General Manager</u> Address: <u>5555 California Ave. Suite 209</u> <u>Bakersfield, CA 93309</u> Date: <u>5/24/2024</u> Member's Cost Share Contribution: 5%
Name: SEMITROPIC WATER STORAGE DISTRICT DocuSigned by:  By: _____ Name: <u>Dan Waterhouse</u> Its: <u>Board Director</u> Address: <u>1101 Central Ave.</u> <u>Wasco, CA 93280</u> Date: <u>5/28/2024</u> Member's Cost Share Contribution: 5%	Name: KERN WATER BANK GROUNDWATER SUSTAINABILITY AGENCY DocuSigned by:  By: _____ Name: <u>Joe Butkiewicz</u> Its: <u>General Manager</u> Address: <u>1620 Mill Rock Way # 500</u> <u>Bakersfield, CA 93311</u> Date: <u>5/23/2024</u> Member's Cost Share Contribution: 5%

Name: WEST KERN WATER DISTRICT DocuSigned by:  By: _____ Name: <u>Greg A. Hammett</u> Its: <u>General Manager</u> Address: <u>800 Kern Street</u> <u>Taft, CA 93268</u> Date: <u>5/24/2024</u> Member's Cost Share Contribution: 5%	Name: OLCESE WATER DISTRICT DocuSigned by:  By: _____ Name: <u>James L. Nickel</u> Its: <u>Board President</u> Address: <u>15701 CA-178</u> <u>Bakersfield, CA 93306</u> Date: <u>5/23/2024</u> Member's Cost Share Contribution: 5%
Name: ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT DocuSigned by:  By: _____ Name: <u>Dan Bartel</u> Its: <u>Engineer-Manager</u> Address: <u>849 Allen Rd.</u> <u>Bakersfield, CA 93314</u> Date: <u>5/24/2024</u> Member's Cost Share Contribution: 5%	Name: BUENA VISTA WATER STORAGE DISTRICT DocuSigned by:  By: _____ Name: <u>Terry Chicca</u> Its: <u>Board President</u> Address: <u>525 North Main Street</u> <u>Buttonwillow, CA 93206</u> Date: <u>5/23/2024</u> Member's Cost Share Contribution: 5%
Name: KERN COUNTY WATER AGENCY PIONEER PROJECT GSA DocuSigned by:  By: _____ Name: <u>Lauren Bauer</u> Its: <u>Manager</u> Address: <u>3200 Rio Mirada Dr.</u> <u>Bakersfield, CA 93308</u> Date: <u>5/24/2024</u> Member's Cost Share Contribution: 5%	

ASSOCIATE MEMBERS

Name: EASTSIDE WATER MANAGEMENT AREA DocuSigned by:  By: _____ Name: <u>Chad Hathaway</u> Its: <u>Chairman</u> Address: <u>4900 California Avenue</u> <u>Tower B, 2nd Floor</u> <u>Bakersfield, CA 93309</u> Date: <u>5/28/2024</u> Associate Member's Cost Share Contribution: 5%	
--	--

JURISDICTIONAL MEMBER

KERN COUNTY WATER AGENCY

-DocuSigned by:

By:

Thomas D. McCarthy

Name:

15D391358C444F7...
Tom McCarthy

Its:

General Manager

Address:

3200 Rio Mirada Dr.

Bakersfield, CA 93308
5/22/2024

Date:

5/28/2024



To: Kern Delta Water District Board of Directors

From: Steven Teglia – General Manager

Date: June 18, 2024

Re: Agenda Item VI B. – External Agency Report

RECOMMENDATION:

Receive report, informational item only.

DISCUSSION:

Staff participates in / monitors multiple external agency meetings monthly. Below is a summary including items of note from the various meetings:

Kern County Water Agency:

- The KCWA Board met May 23, 2024.
- Next regular meeting will be June 27, 2024.
- Proposed FY 2024-25 Preliminary Budget.
- Board President Term changed from 1-year to 2-year term.
- Approval of Pioneer GSA revised GSP, Coordination Agreement, and KNDLA JPA.
- Update on Water Transfers, Exchanges, and Purchases.
- Update on Delta Conveyance Activities (see schedule attached).
- Update on CVC and Pioneer Operations.
- 2024 allocation for SWP – 40%.
- Summary of groundwater and overdraft correction accounts (attached).

Kern Fan Authority:

- The KFA met May 22, 2024.
- 2024 Water Supply.
- Review of KCWA Board agenda.
- Pioneer Project.
- Local SGMA activities.
- Other activities (IRWMP/CVSALTS).

Kern River Groundwater Sustainability Agency (KRGSA):

- The KRGSA met June 6, 2024 (agenda attached).
- Basin Coordination Committee update.

- WY 2023 Annual Report presentation – KRGSA Specific.
- Approval of Amended Basin Coordination Agreement.
- Approval of Amended Agreement with Rincon Consultants for Basin Plan Manager Services.

Kern Groundwater Authority (KGA):

- The KGA met May 22, 2024 (agenda attached).
- Basin Grant update.
- Discussion regarding KGA revised GSP, Coordination Agreement, and JPA.

Kern River Watershed Coalition Authority (KRWCA)(ILRP):

- The KRWCA met June 6, 2024 (agenda attached).
- Kern Water Collaborative Update – Nitrate Control Program Management Zone.
- Administrative Services Agreement for Kern Water Collaborative.
- Membership Update.
- On Farm Drinking Water Well reports due Dec. 31, 2024 (BC Labs removed / BSK Labs added).
- Updates regarding the status of various reports.

South Valley Water Resources Authority:

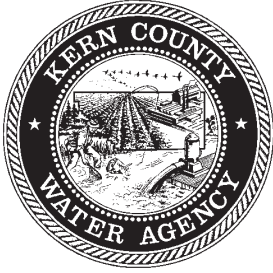
- The SVWRA met May 23, 2024 and May 30, 2024.
- Fish Friendly Diversion Pilot Project update/discussion regarding project funding.
- CSU hydraulic study results.
- Blueprint activity update.
- May 30th -KCWA Presentation.

Integrated Regional Water Management Plan (IRWMP):

- No recent meetings.

Water Association of Kern County (WAKC):

- WAKC met May 28, 2024.
- Water Awareness Campaign – May Conservation Month.
- Magic of Water Wrap Renewals.



MEMORANDUM

20.2.1

TO: Policy Committee
Agenda Item No. 1

FROM: Craig Wallace

DATE: May 23, 2024

SUBJECT: Update on Delta Conveyance Activities

Issue:

Update on Delta Conveyance Activities.

Recommended Motion:

None – information only.

Discussion:

The California Department of Water Resources (DWR) certified the Final Environmental Impact Report (EIR) for the Delta Conveyance Project (DCP) on December 21, 2023. The DCP would construct a tunnel under the Sacramento-San Joaquin Delta (Delta) to deliver water from the Sacramento River to State Water Project facilities in the South Delta.

On May 16, 2024, DWR released the updated cost estimate for the DCP. The total project cost for the 6,000 cubic feet per second Bethany Reservoir Alignment is \$20.12 billion. The estimate is presented in 2023 dollars and is “undiscounted”, an economic term meaning the value does not account for the time value of money. Reporting the estimate in 2023 dollars provides a base cost that allows DWR and participating Public Water Agencies to perform further economic analyses of costs and benefits in a manner that ensures consistency and comparability. Following project approval, DWR directed the DCA to consider potential design or construction innovations to further reduce community or environmental disturbances, schedule and/or costs to improve constructability. This evaluation resulted in a set of potential reasonable and credible innovations which indicate potential savings when compared to the total project cost estimate. The total project cost reduced to \$18.894 million with the innovations included.

DWR’s Delta Conveyance Office is responsible for the EIR and other permitting activities and is coordinating with the Delta Conveyance Design and Construction Authority (DCA). The project schedule is further described in Attachments 1 and 2.

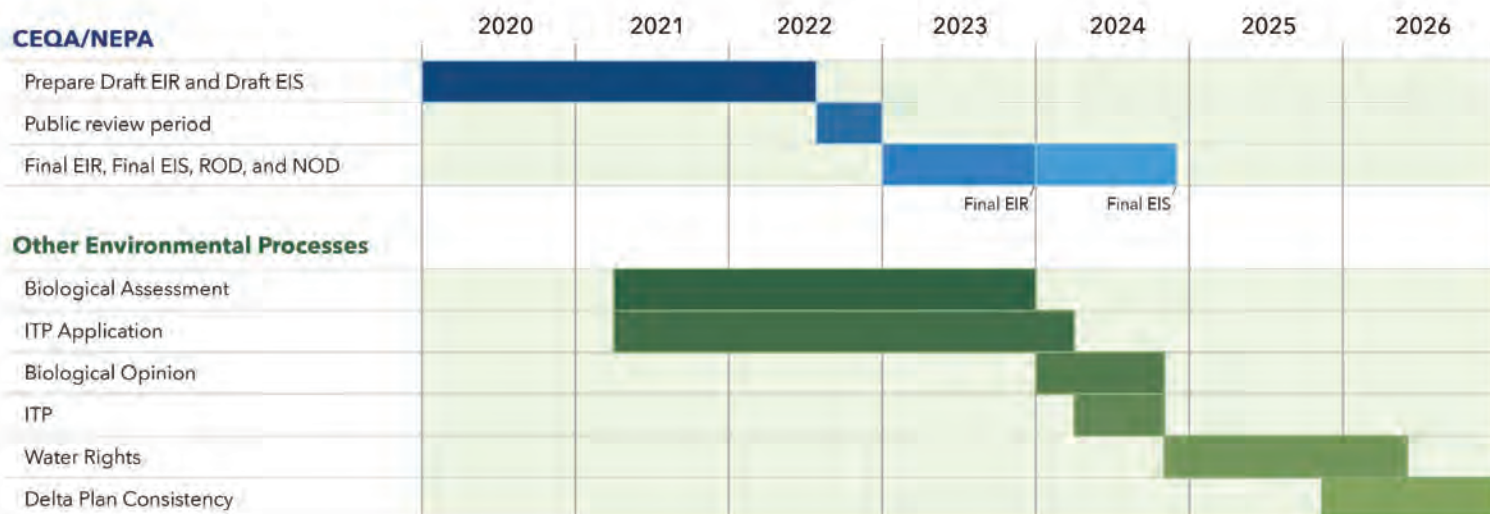
On December 16, 2022, the United States Army Corps of Engineers released the public Draft Environmental Impact Statement (EIS) for the DCP. The public comment period ended March 16, 2023. The Final EIS is expected to be released in Fall 2024.

The DCA Board of Directors (Board) held its regular Board meeting on May 16, 2024. The next regular DCA Board meeting is scheduled for June 20, 2024. All regular DCA Board meetings are open to the public and are held on the third Thursday of every other month starting at 2:00 p.m.

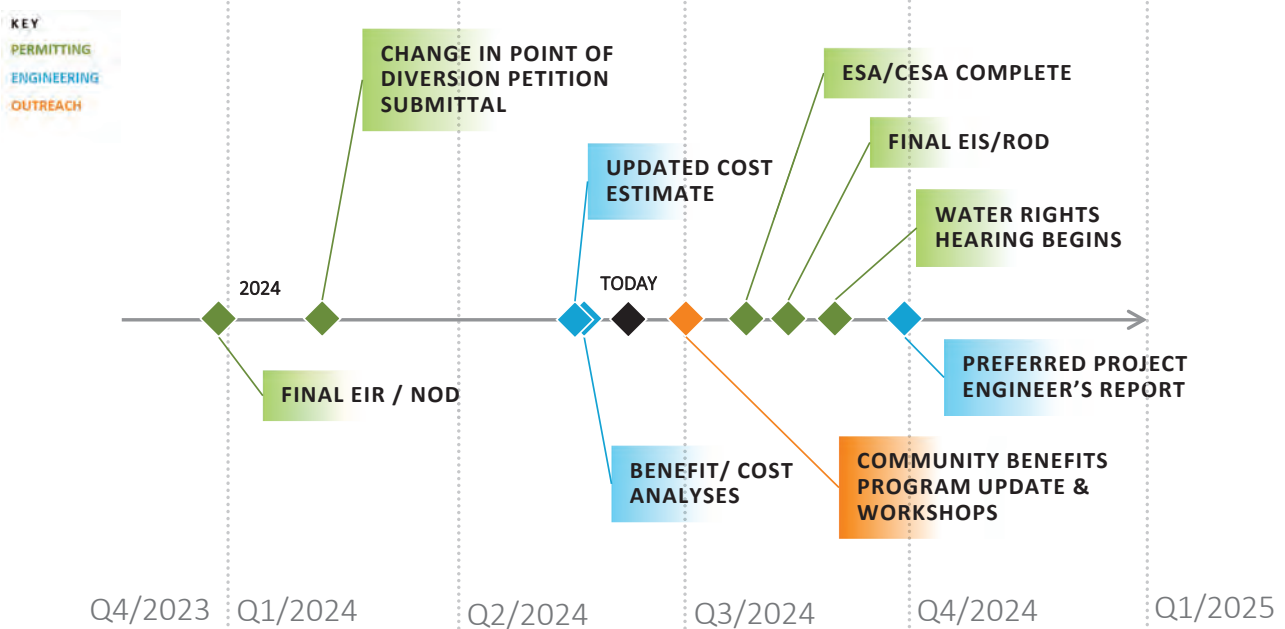


DCP Schedule

Delta Conveyance Project Planning Schedule



DCP 2024 Milestones



**Kern County Water Agency
Estimated Summary of Overdraft Correction Accounts
As of April 30, 2024**

Preliminary - Subject to Revision

Quantities in acre-feet

District	Estimated Balance as of December 31, 2023	Estimated Balance as of April 30, 2024				
		Pioneer Property	2800 Acres	Pioneer Project Subtotal	Berrenda Mesa	Kern Water Bank ^[1] Total
Buena Vista WSD	76,325	64,970	0	64,970	0	11,355
Henry Miller WD	94,883	67,846	375	68,221	2,584	24,078
Kern County Water Agency	55,030	35,356	7,121	42,477	0	12,553
Kern Delta WD	102,442	75,038	409	75,447	2,026	24,969
Rosedale-Rio Bravo WSD	247,228	190,531	4,190	194,721	3,220	49,287
Total	575,908	433,741	12,095	445,836	7,830	122,242

^[1] Does not include purchase of 2011 4% reserve water.

**Kern County Water Agency
Estimated Summary of Groundwater Bank Accounts
As of April 30, 2024**

Preliminary - Subject to Revision

Quantities in acre-feet

District	Estimated Balance as of December 31, 2023	Estimated Balance as of April 30, 2024					
		Pioneer Property	2800 Acres	Pioneer Project Subtotal	Berrenda Mesa	Kern Water Bank	Total
Belridge WSD	80,524	75,689	5,959	81,648	3,876	0	85,524
Berrenda Mesa WD	102,939	67,718	4,599	72,317	35,960	0	108,277
Buena Vista WSD	162,741	106,838	3,996	110,834	0	52,484	163,318
Cawelo WD	0	0	0	0	0	0	0
Dudley Ridge WD	63,870	0	0	0	0	67,838	67,838
Henry Miller WD	44,079	43,246	833	44,079	0	0	44,079
Improvement District No. 4	247,331	43,255	6,169	49,424	0	198,887	248,311
Kern County Water Agency	185,256	103,700	60,099	163,799	3,499	17,958	185,256
Kern Delta WD	47,763	47,763	0	47,763	0	0	47,763
Lost Hills WD	86,401	59,911	24,460	84,371	3,252	0	87,623
Rosedale-Rio Bravo WSD	71,899	73,047	835	73,882	0	0	73,882
Semitropic WSD	264,171	32,037	860	32,897	0	233,779	266,676
Tehachapi-Cummings CWD	5,820	0	0	0	0	5,820	5,820
Tejon-Castac WD	64,734	2,666	1,283	3,949	0	61,483	65,432
Westside Mutual Water Co.	532,085	0	0	0	0	541,152	541,152
Wheeler Ridge-Maricopa WSD	280,661	19,590	16,008	35,598	5,541	239,522	280,661
Total	2,240,274	675,460	125,101	800,561	52,128	1,418,923	2,271,612



Board Members:
Rodney Palla, Chair
Bob Smith, Vice-Chair
Gene Lundquist

KERN RIVER GSA REGULAR BOARD MEETING

Thursday, June 6, 2024
10:00 a.m.

City of Bakersfield Water Resources Department
1000 Buena Vista Road, Bakersfield CA 93311
Large Conference Room

AGENDA

- 1. CALL TO ORDER**
- 2. ROLL CALL**
- 3. PUBLIC STATEMENTS**
- 4. APPROVAL OF MINUTES** of the May 2, 2024, Regular Meeting and May 9, 2024, Special Meeting
- 5. NEW BUSINESS**
 - A. Correspondence Received (City Clerk, Maldonado)
 - B. Finance Updates (McKeegan)
 - i. Receive and File Financial Report
 - C. Management Group Updates (Maldonado, McCarthy, Teglia)
 - i. Basin Coordination Committee Updates
 - a. Update on SWRCB Meetings and GSP Submittal
 - b. Approval of Amendment to Rincon Consultants Inc. Agreement for Basin Plan Manager Services
 - D. Authorization of Amendment No. 2 of the Kern County Subbasin Coordination Agreement
 - E. 2023 Kern Subbasin Annual Report – KRGSA
- 6. COMMITTEE COMMENTS**
- 7. ADJOURNMENT**

KERN GROUNDWATER AUTHORITY

1800 30th Street Ste #390, Bakersfield

Regular Meeting of Board of Directors

May 22, 2024 8:00 a.m.

The public may attend the meeting via zoom platform. Public comment will be taken in person at the location above or on the zoom platform at the link below:

Zoom

<https://us02web.zoom.us/j/83408159280?pwd=dDJFaDNXdldJaUtVU01jU3NrekJLZz09>

Meeting ID: 834 0815 9280

Passcode: 628620

Kern Groundwater Authority Board of Directors Agenda

This meeting is held in accordance with the Brown Act pursuant to Section 54956 of the California Government Code and the Kern Groundwater Authority Joint Powers Agreement.

1. Roll Call - Quorum Determination

In the absence of a quorum the Board will handle only those items not needing a quorum.

2. Flag Salute

3. Public Input

This portion of the meeting is set aside to provide the public an opportunity to bring to the attention of the Board matters of which the Board may not be aware and which are not on the current agenda. No action can be taken on any matter raised during this portion of the meeting; however, a Board member may request that the matter be placed on any future agenda for further review and possible action. Members of the public may directly address the Board of Directors on any item of interest within the Board's subject matter jurisdiction, before or during the Board's consideration of the item. The President may limit the time allowed for comment.

4. Approval of Minutes

a. **April Regular Board Meeting Minutes***

5. Financial Report

a. **Financial Report & Accounts Payable – April ***

6. Attorney Report

- a. Update on State Board Probationary Process
- b. Update on Groundwater Legislation
- c. DWR Forum on AEM studies

7. DWR Grant

a. Update on DWR Grant.

8. Revised Joint Powers Authority

- a. Update and discussion on Joint Powers Authority.

9. Revised Coordination Agreement

- a. Update and discussion on Coordination Agreement.

10. Revised KGA Groundwater Sustainability Plan

- a. Update and discussion on KGA GSP revisions.

11. New Business

This Portion of the Meeting is set aside to provide each Board member an opportunity to bring to the attention of other Board members and the public matters which have come to their attention and/or which may be appropriate for future consideration. No action can be taken on any matter raised during this portion of the meeting; however, a Board member may request that the matter be placed on any future agenda for further review and possible action.

12. Correspondence

- a. None

13. Closed Session

- a. Conference with Legal Counsel – Potential Litigation: Closed Session pursuant to Government Code Section 54956.9(d)(2), (e)(2) (one matter)

14. Adjournment

A person with a qualifying disability under the Americans with Disabilities Act of 1990 may request the Authority provide disability-related modification or accommodation in order to participate in any public meeting of the Authority. Such assistance includes appropriate alternative formats for the agendas and agenda packets. Requests should be made in person, by telephone, facsimile and/or written correspondence to the Authority office, at least 48 hours before a public Authority meeting. Written materials related to an item on this agenda to be considered in open session that are public documents and that are distributed to board members after the posting of the agenda, will be made available for public inspection when they are so distribution at the office of the Authority located at 1800 30th Street, Ste #280, Bakersfield, California during normal business hours. Documents that are public documents provided by others during a meeting will be available at the same location during business hours after the meeting.



BOARD OF DIRECTORS MEETING

Date: Thursday, June 6, 2024
Time: 1:30 P.M.
Location: Rosedale-Rio Bravo WSD, 849 Allen Road, Bakersfield, CA 93314

A G E N D A

1. CALL TO ORDER
2. ANNOUNCEMENT OF QUORUM
3. INTRODUCTIONS
4. PUBLIC COMMENT
5. APPROVAL of May 2, 2024, Board Meeting Minutes*
6. TREASURER/FINANCIAL REPORT
 - a. May 2024 Accounts Payable/Receivable Ratification*
7. KRWCA MANAGER REPORT/ILRP PROGRAM UPDATE
 - a. Insurance Renewal with a New Company
 - i. CalMutuals JPRIMA*
 - b. New KRWCA Website and Hosting: Contracted with Break9*
 - c. Cancelled Member Refund
 - i. 10234, TH & K Vetsch, Merged/Transferred \$79.99*
8. NITRATE CONTROL PROGRAM MANAGEMENT ZONE
 - a. Kern Water Collaborative (KWC) Update
9. REPORT OF PROVOST & PRITCHARD CONSULTING GROUP
 - a. CGQMP Report Update and Approval*
10. CV-SALTS <http://www.cvsalinity.org>
Manager Bell and Land IQ represent KRWCA at the Monthly CV-SALTS Meetings. Information related to CVSALTS is available at www.cvsalinity.org.
11. OLD OR NEW BUSINESS
12. ATTORNEYS REPORT

Posted pursuant to Government Code § 54954.2(a) at least 72 hours prior to said meeting.

By: Nicole M. Bell

Date: June 3, 2024

Per Govt. Code § 54953.2 and § 54961, requests for a disability-related modification or accommodation, including auxiliary aids or services, to attend or participate in this meeting should be made to Nicole Bell (phone 661-616-6500) in advance of the meeting to ensure availability of the requested service or accommodation.



13. CLOSED SESSION

- a. Conference with Legal Counsel - Pending Litigation - Government Code Section 54956.9(d)(1)
 - i. Petitions filed by the Kern River Watershed Coalition Authority, et al. with the State Water Resources Control Board (SWRCB) regarding the Tulare Lake Basin General Order.
 - ii. Environmental Law Foundation v. SWRCB, et al., Sac. County Sup. Ct., Case No. Case No. 34-2018-80002851
 - iii. Protectores Del Aqua Subterranea v. SWRCB, et al., Sac. County Sup. Ct., Case No. 34-2018-80002852
 - iv. Monterey Coastkeeper, et al. v. Central Valley Regional Water Quality Control Board, et al., Sac. County Sup. Ct., Case No. 34-2018-80002853
 - v. Petition for Review by Protectores Del Aqua Subterranea with the SWRCB in Re CVRWQCB Order R5-2019-001 Amending General Orders for Grower Members of a Third-Party Group: Tulare Lake Basin Area R5-2013-0120-06, etc.
- b. Conference with Legal Counsel – Anticipated Litigation/Significant exposure to litigation – Government Code Section 54956.9(d)(2). One item.
- c. **Public Employment - Government Code Section 54957 (b)(1)*:**
 - i. **Position: KWC Program Director**

14. RECONVENE and REPORT from CLOSED SESSION - Gov't. Code section 54957.1.

15. KRWCA MEETING ATTENDANCE HIGHLIGHTS – INFORMATION ITEM

- a. 5/3, Kern Water Collaborative Board Meeting
- b. 5/8, MZ Leaders Coordination Meeting
- c. 5/9, CVSALTS
- d. 5/10, RCPP Grant Application Kickoff Meeting
- e. 5/15, GWP Targets Update Meeting
- f. 5/16, KWC Outreach Coordination/Contracting Meeting
- g. 5/23, ILRP Fees Meeting with SWB Staff
- h. 5/29, ILRP Leads Monitoring Meeting
- i. 5/31, PEOC Meeting
- j. 6/4, KWC Ad-Hoc Selection Committee Meeting
- k. 6/4, SJV Water Interview for KWC Article
- l. 6/5, SSJV MPEP Meeting
- m. 6/5, Onboarding Meeting with Providence Consulting
- n. 6/6, KWC Technical Team Meeting

16. NEXT MEETING

The next regular KRWCA Board Meeting is scheduled for July 4, 2024. **Cancel or reschedule*?**

17. ADJOURN

“*” Notates an action item (Approval/Ratification)



To: Kern Delta Water District Board of Directors

From: Steven Teglia – General Manager

Date: June 18, 2024

Re: Agenda Item VI C. – Water Banking Projects Report

RECOMMENDATION:

Receive report, informational item only.

DISCUSSION:

Below is a summary of activities of note related to various water banking projects/activities of interest to the District.

Kern Fan Recovery Activity:

- As of June 11, 2024 Kern Fan groundwater recovery was approximately 89cfs a day from 14 wells, as reported via KCWA weekly call.
- See attached graphs provided by KCWA for Kern Fan banking information as of April 30, 2024.

Pioneer Participant Meeting:

- The Pioneer Project Participants meeting of June 13, 2024 was canceled.
- Update on current operations.
- Discussion regarding new Pioneer wells.
- Discussion of proposed McAllister Canal and Pioneer Improvements.
- Discussion of the Recharge Replacement Fee.
- Discussion regarding the Pioneer GSA.

Kern Fan Monitoring Committee:

- The Kern Fan Monitoring Committee meeting of May 15, 2024 was canceled.
- Update on reports.
- Call for funds.
- Review of water level monitoring hydrographs.
- Next meeting June 19, 2024

KDWD Water Banking Project:

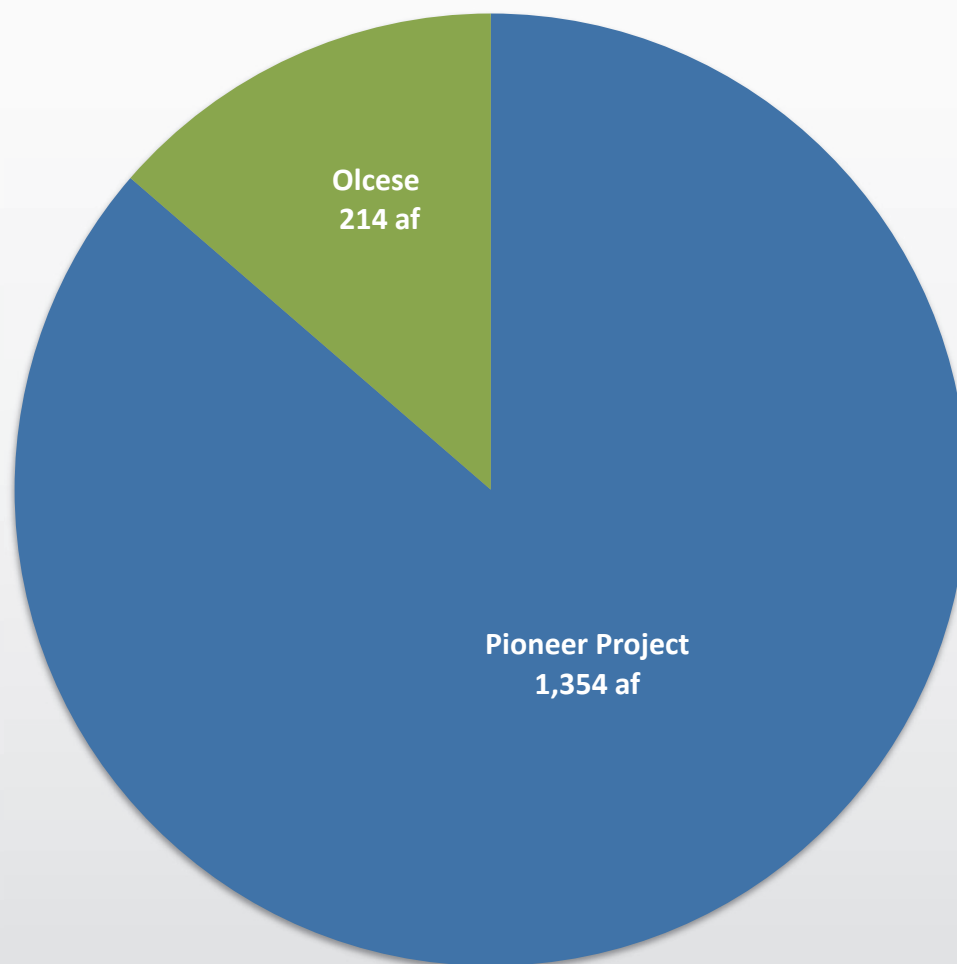
- No current activity.

Cross Valley Canal Advisory Committee:

- The CVC Advisory Committee met May 22, 2024.
- Report on CVC operations.

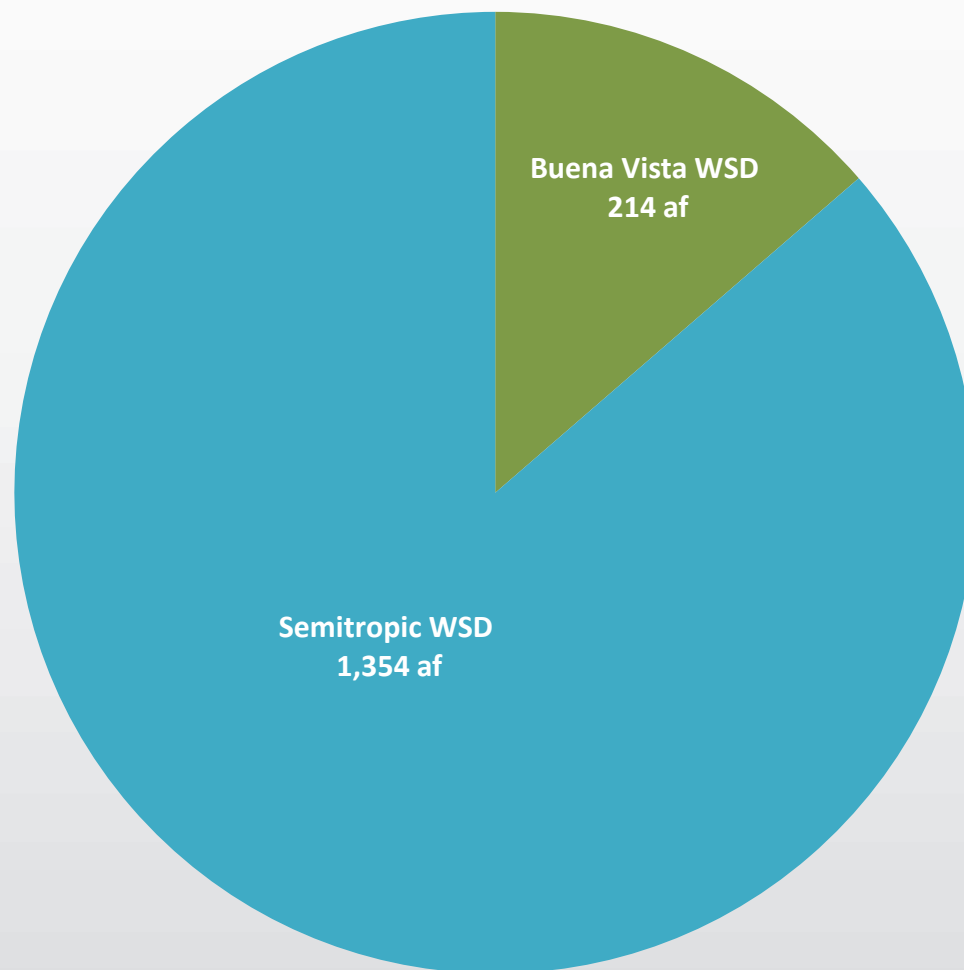
- Update on Pioneer Inlet Improvements Project (see attached summary).
- CVC down March 16th – July 1.
- Sediment removal project and meter replacements.
- CVC Construction and Maintenance Projects.
- See attached graphs provided by KCWA regarding CVC utilization.

**Kern Fan Banking Projects
2024 Estimated Gross Recovery by Project
Through April 30, 2024**



Total Gross Recovery 1,568 af

**Kern Fan Banking Projects
2024 Estimated Recovery by Participant
Through April 30, 2024**



CROSS VALLEY CANAL PIONEER INLET IMPROVEMENTS PROJECT CONTRACT NO. KCWA 2022-02

PROJECT SUMMARY FOR APRIL 2024

SUMMARY

Remove and replace existing Pioneer Inlet and damaged concrete liner and tie-in Pioneer Canal box culvert to the replaced structure.

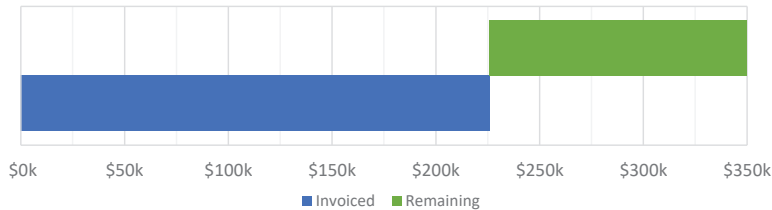
Prepared By: Scott Chambless

Reviewed By: Tom McCarthy

COST BREAKDOWN

CONSULTANTS

Consultants Billed to Date vs. Remaining Contract



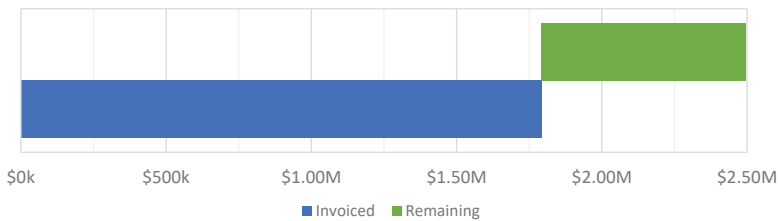
	Contracted	Invoiced	Remaining
V&A, Inc.	\$ 210,000	\$ 129,894	\$ 80,106
SEI	\$ 60,000	\$ 29,035	\$ 30,965
GEI	\$ 80,000	\$ 67,134	\$ 12,866

TOTAL CONSULTANT COSTS

Total Contract Amount	\$ 350,000
Total Invoiced Amount	\$ 226,064
REMAINING BALANCE	\$ 123,936

CONSTRUCTION

Construction Billed to Date vs. Remaining Contract



Original Contract	\$ 2,379,244
Original Contingency Amount	\$ 237,924
Increase to Contract	\$ 70,178
TOTAL	\$ 2,449,422

PAYMENT BREAKDOWN

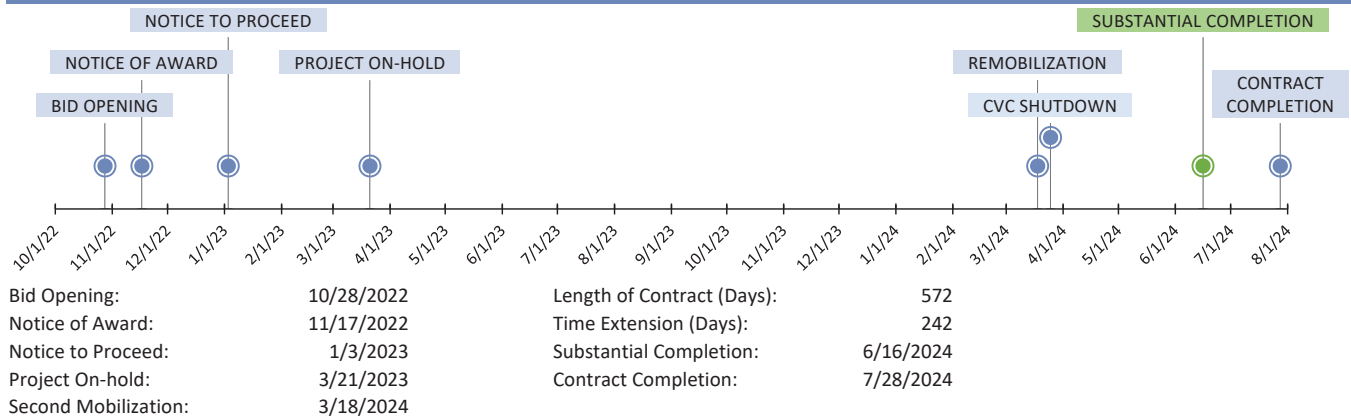
Pay Requests Total	\$ 1,793,327
Retained (5%)	\$ (89,666)
Paid to Date	\$ 1,703,661

CONTRACT CHANGE ORDERS

Description of Changes

	DATE	AMOUNT	DAYS ADDED
Change Order 1 - Emergency use of the CVC (Kern River shutdown)	5/19/2023	\$ 47,670	0
Change Order 2 - ID1 Levee Restoration	11/20/2023	\$ 15,764	92
Change Order 3 - Remobilization and Material Cost Increases	2/26/2024	\$ 54,414	150
Contingency Expended		\$ 117,847	242
Contingency Remaining		\$ 190,255	

PROJECT SCHEDULE



RECENT ACTIVITY

Installed rebar and placed concrete structure floor.
 Installed rebar and placed concrete apron.
 Installed rebar and forms and placed concrete structure walls.

PLANNED CONSTRUCTION ACTIVITY

Backfill and compact earthwork around structure.
 Install rebar and form box culvert tie-in structure.
 Grade side slope and place concrete liner.

CONSTRUCTION ACTIVITY LOCATION (Blue circled area denotes construction location)



PHOTOGRAPHS



Existing structure demoed and foundation compacted.



Structure slab rebar installed.



Concrete walls placed.

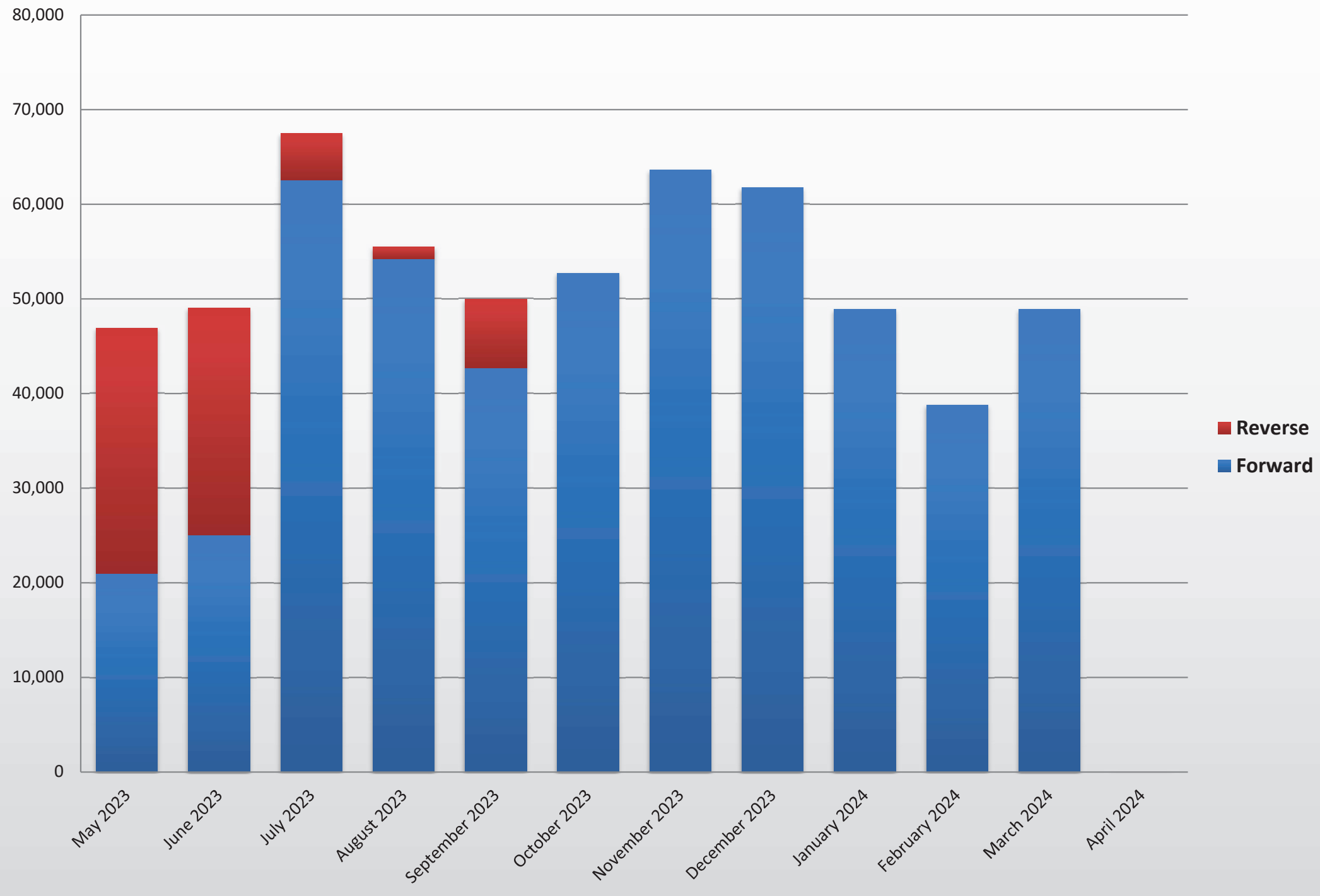


Pioneer Canal box culvert sawcut.

Cross Valley Canal

Twelve Month Delivery by Direction

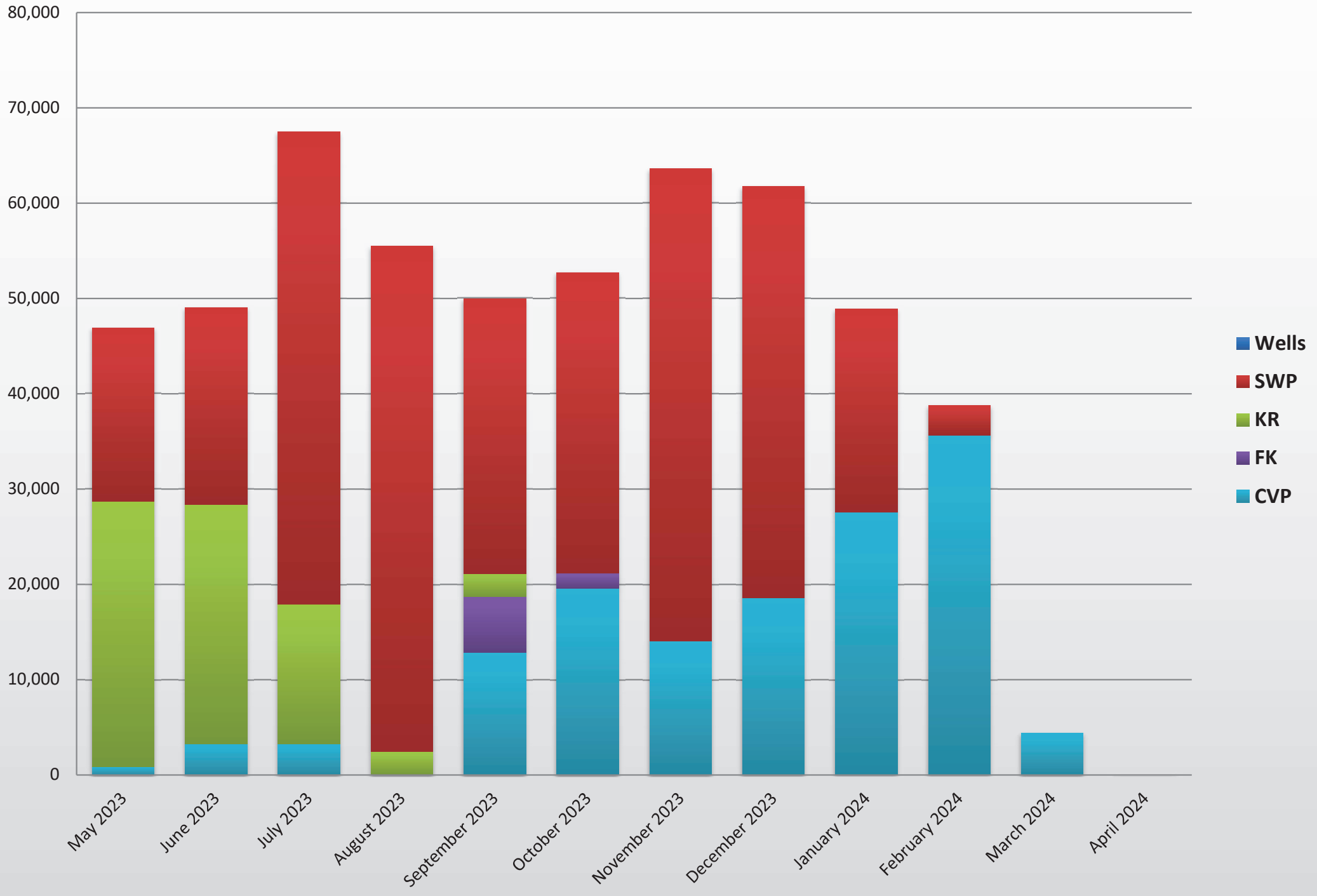
Attachment 2

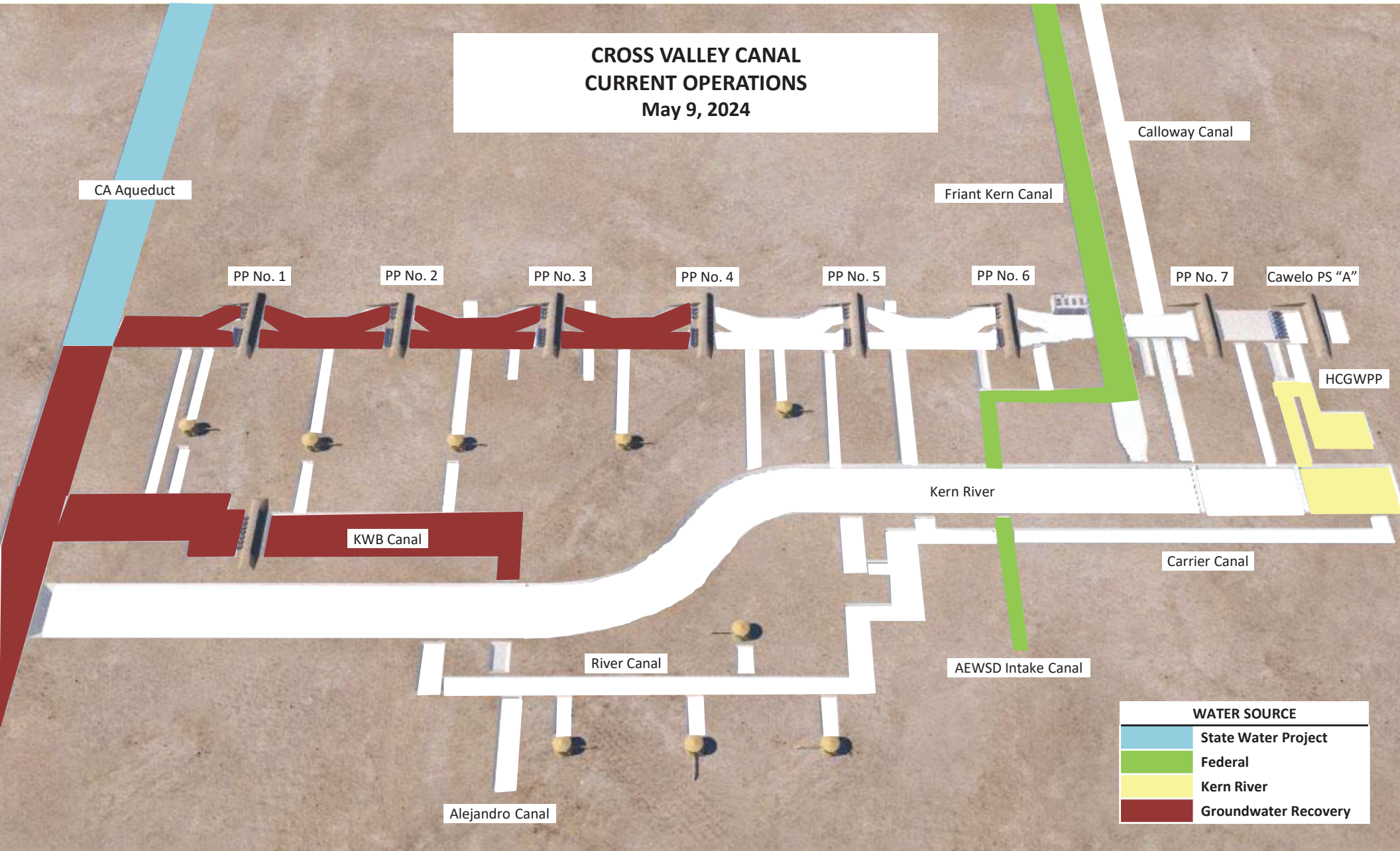


Cross Valley Canal

Twelve Month Delivery by Source

Attachment 2





Cross Valley Canal
Pump and Flow Configuration
 Last Updated on May 10, 2024

'A' Pumping Plants												'B' Pumping Plants					Total cfs
		A	B	C	D	E	F	G	H	J	Total cfs	K	L	M	N	Total cfs	
Pumping Plant No. 1	Estimated Horsepower	100	250	565	565	565	565	250	100			800	800	800			
	Estimated Flow Rate (cfs)	31	70	180	180	180	180	70	31		922	167	167	167		500	1,422
Pumping Plant No. 2	Estimated Horsepower	100	250	565	565	565	565	250	100			700	700	700			
	Estimated Flow Rate (cfs)	Service	70	180	180	180	180	70	31		891	167	167	167		500	1,391
Pumping Plant No. 3	Estimated Horsepower	100	250	565	565	565	250	100	250	100		700	700	700			
	Estimated Flow Rate (cfs)	Service	70	180	180	180	70	Service	70	31	781	167	167	Service		334	1,115
Pumping Plant No. 4	Estimated Horsepower	100	250	565	565	565	250	100	250	100		700	700	700			
	Estimated Flow Rate (cfs)	Service	Service	180	180	180	70	31	70	31	742	167	167	167		500	1,242
Pumping Plant No. 5	Estimated Horsepower	100	250	565	565	565	250	100	250	100		700	700	700			
	Estimated Flow Rate (cfs)	31	70	180	180	180	70	31	Service	31	773	167	Service	167		334	1,107
Pumping Plant No. 6	Estimated Horsepower	100	250	565	565	565	250	250	100			200	600	600	350		
	Estimated Flow Rate (cfs)	31	Service	180	180	180	Service	70	31		672	40	193	Service	90	323	995
Pumping Plant No. 7	Estimated Horsepower	100	250	250	250	250	100										
	Estimated Flow Rate (cfs)	31	70	70	70	70	31				342						342

Tab VII



**Valley Ag Water Coalition
2023-24 Regular Session, Second Year**

- AB 460** **(Bauer-Kahan D) State Water Resources Control Board: water rights and usage: civil penalties.**
- Current Text:** Amended: 6/3/2024 [html](#) [pdf](#)
Introduced: 2/6/2023
Last Amend: 6/3/2024
Status: 6/3/2024-From committee chair, with author's amendments: Amend, and re-refer to committee. Read second time, amended, and re-referred to Com. on N.R. & W.
Is Urgency: N
Is Fiscal: Y
Location: 6/3/2024-S. N.R. & W.
Calendar: 6/11/2024 9 a.m. - 1021 O Street, Room 2100 SENATE NATURAL RESOURCES AND WATER, MIN, DAVE, Chair
Summary: Under current law, the diversion or use of water other than as authorized by specified provisions of law is a trespass, subject to specified civil liability. This bill would require the State Water Resources Control Board to adjust for inflation, by January 1 of each year, beginning in 2025, the amounts of civil and administrative liabilities or penalties imposed by the board in water right actions, as specified.
- | | |
|---------------------|-----------------|
| Organization | Position |
| VAWC | Watch |
- AB 828** **(Connolly D) Sustainable groundwater management: managed wetlands.**
- Current Text:** Amended: 1/11/2024 [html](#) [pdf](#)
Introduced: 2/13/2023
Last Amend: 1/11/2024
Status: 5/1/2024-Referred to Com. on N.R. & W.
Is Urgency: N
Is Fiscal: Y
Location: 5/1/2024-S. N.R. & W.
Calendar: 6/25/2024 9 a.m. - 1021 O Street, Room 2100 SENATE NATURAL RESOURCES AND WATER, MIN, DAVE, Chair
Summary: The Sustainable Groundwater Management Act requires all groundwater basins designated as high- or medium-priority basins by the Department of Water Resources to be managed under a groundwater sustainability plan or coordinated groundwater sustainability plans, except as specified. Current law defines various terms for purposes of the act. This bill would add various defined terms for purposes of the act, including the terms "managed wetland" and "small community water system."
- | | |
|---------------------|-----------------|
| Organization | Position |
| VAWC | Oppose |
- AB 1205** **(Bauer-Kahan D) Water rights: sale, transfer, or lease: agricultural lands.**
- Current Text:** Amended: 7/13/2023 [html](#) [pdf](#)
Introduced: 2/16/2023
Last Amend: 7/13/2023
Status: 9/14/2023-Failed Deadline pursuant to Rule 61(a)(14). (Last location was INACTIVE FILE on 9/11/2023)(May be acted upon Jan 2024)
Is Urgency: N
Is Fiscal: Y
Location: 9/14/2023-S. 2 YEAR
Summary: Current law declares that, because of the conditions prevailing in this state, the general welfare requires that the water resources of the state be put to beneficial use to the fullest extent of which they are capable, that the waste or unreasonable use or unreasonable method of use of water be prevented, and that the conservation of the water is to be exercised with a view to the reasonable and beneficial use of the water in the interest of the people and for the public welfare. This bill would require the State Water Resources Control Board to, on or before January 1, 2027, conduct a study and report to the Legislature and appropriate policy committees on the existence of speculation or profiteering by an investment fund in the sale, transfer, or lease of an interest in any surface water right or groundwater right previously put to beneficial use on agricultural lands, as specified. The bill would repeal this provision on January 1, 2031.
- | | |
|---------------------|-----------------|
| Organization | Position |
| VAWC | Oppose |
- AB 1337** **(Wicks D) State Water Resources Control Board: water diversion curtailment.**

Current Text: Amended: 5/18/2023 [html](#) [pdf](#)

Introduced: 2/16/2023

Last Amend: 5/18/2023

Status: 7/14/2023-Failed Deadline pursuant to Rule 61(a)(10). (Last location was N.R. & W. on 6/7/2023)(May be acted upon Jan 2024)

Is Urgency: N

Is Fiscal: Y

Location: 7/14/2023-S. 2 YEAR

Summary: Under existing law, the diversion or use of water other than as authorized by specified provisions of law is a trespass, subject to specified civil liability. This bill would expand the instances when the diversion or use of water is considered a trespass. This bill contains other related provisions and other existing laws.

Organization	Position
VAWC	Oppose

[AB 1563](#) (Bennett D) Groundwater sustainability agency: groundwater extraction permit: verification.

Current Text: Amended: 6/28/2023 [html](#) [pdf](#)

Introduced: 2/17/2023

Last Amend: 6/28/2023

Status: 5/22/2024-Re-referred to Com. on L. GOV.

Is Urgency: N

Is Fiscal: Y

Location: 5/22/2024-S. L. GOV.

Summary: Current law authorizes any local agency or combination of local agencies overlying a groundwater basin to decide to become a groundwater sustainability agency for that basin and imposes specified duties upon that agency or combination of agencies, as provided. Current law authorizes a groundwater sustainability agency to request of the county, and requires a county to consider, that the county forward permit requests for the construction of new groundwater wells, the enlarging of existing groundwater wells, and the reactivation of abandoned groundwater wells to the agency before permit approval. This bill would instead require a county to forward permit requests for the construction of new groundwater wells, the enlarging of existing groundwater wells, and the reactivation of abandoned groundwater wells to the groundwater sustainability agency before permit approval.

Organization	Position
VAWC	Oppose

[AB 1567](#) (Garcia D) Safe Drinking Water, Wildfire Prevention, Drought Preparation, Flood Protection, Extreme Heat Mitigation, Clean Energy, and Workforce Development Bond Act of 2024.

Current Text: Amended: 5/26/2023 [html](#) [pdf](#)

Introduced: 2/17/2023

Last Amend: 5/26/2023

Status: 5/22/2024-Re-referred to Com. on N.R. & W.

Is Urgency: N

Is Fiscal: Y

Location: 5/22/2024-S. N.R. & W.

Summary: Would enact the Safe Drinking Water, Wildfire Prevention, Drought Preparation, Flood Protection, Extreme Heat Mitigation, Clean Energy, and Workforce Development Bond Act of 2024, which, if approved by the voters, would authorize the issuance of bonds in the amount of \$15,995,000,000 pursuant to the State General Obligation Bond Law to finance projects for safe drinking water, wildfire prevention, drought preparation, flood protection, extreme heat mitigation, clean energy, and workforce development programs.

Organization	Position
VAWC	Support/Amend

[AB 2060](#) (Soria D) Lake and streambed alteration agreements: exemptions.

Current Text: Amended: 5/16/2024 [html](#) [pdf](#)

Introduced: 2/1/2024

Last Amend: 5/16/2024

Status: 5/29/2024-Referred to Com. on N.R. & W.

Is Urgency: N

Is Fiscal: Y

Location: 5/29/2024-S. N.R. & W.

Calendar: 6/25/2024 9 a.m. - 1021 O Street, Room 2100 SENATE NATURAL RESOURCES AND WATER, MIN, DAVE, Chair

Summary: Current law prohibits a person, a state or local governmental agency, or a public utility from substantially diverting or obstructing the natural flow of, or substantially changing or using any material from the bed, channel, or bank of, any river, stream, or lake, or depositing or disposing of debris, waste, or other material containing crumbled, flaked, or ground pavement where it may pass into any river, stream, or lake, unless prescribed requirements are met, including written notification to the Department of Fish and Wildlife regarding the activity. Current law requires the department to determine whether the activity may substantially adversely affect an existing fish and wildlife resource and, if so, to provide a draft lake or streambed alteration agreement to the person, agency, or utility. Current law prescribes various requirements for lake and streambed alteration agreements. Current law also establishes various exemptions from these provisions, including, until January 1, 2029, an exemption for the diversion of floodflows for groundwater recharge, as provided. This bill would, until January 1, 2029, exempt from these provisions the temporary operation of existing infrastructure or temporary pumps being used to divert water to underground storage as long as certain conditions are met, including the use of protective screens on temporary pump intakes, as provided, for diversions directly from rivers or streams.

Organization	Position
VAWC	Support

AB 2079 (Bennett D) Groundwater extraction: large-diameter, high-capacity water wells: permits.

Current Text: Amended: 6/3/2024 [html](#) [pdf](#)

Introduced: 2/5/2024

Last Amend: 6/3/2024

Status: 6/3/2024-From committee chair, with author's amendments: Amend, and re-refer to committee. Read second time, amended, and re-referred to Com. on N.R. & W.

Is Urgency: N

Is Fiscal: Y

Location: 5/29/2024-S. N.R. & W.

Calendar: 6/11/2024 9 a.m. - 1021 O Street, Room 2100 SENATE NATURAL RESOURCES AND WATER, MIN, DAVE, Chair

Summary: The Sustainable Groundwater Management Act requires all groundwater basins designated as high- or medium-priority basins by the Department of Water Resources to be managed under a groundwater sustainability plan or coordinated groundwater sustainability plans, except as specified. Current law authorizes any local agency or combination of local agencies overlying a groundwater basin to decide to become a groundwater sustainability agency for that basin and imposes specified duties upon that agency or combination of agencies, as provided. Current law requires the State Water Resources Control Board to adopt a model water well, cathodic protection well, and monitoring well drilling and abandonment ordinance implementing certain standards for water well construction, maintenance, and abandonment and requires each county, city, or water agency, where appropriate, to adopt a water well, cathodic protection well, and monitoring well drilling and abandonment ordinance that meets or exceeds certain standards. Under current law, if a county, city, or water agency, where appropriate, fails to adopt an ordinance establishing water well, cathodic protection well, and monitoring well drilling and abandonment standards, the model ordinance adopted by the state board is required to take effect, and is required to be enforced by the county or city and have the same force and effect as if adopted as a county or city ordinance. This bill would require a local enforcement agency, as defined, to perform specified activities at least 30 days before determining whether to approve a permit for a new large-diameter, high-capacity well, as defined. By imposing additional requirements on a local enforcement agency, the bill would impose a state-mandated local program.

Organization	Position
VAWC	Oppose

AB 2517 (Fong, Vince R) Water: irrigation districts: long-term maintenance agreements.

Current Text: Amended: 4/17/2024 [html](#) [pdf](#)

Introduced: 2/13/2024

Last Amend: 4/17/2024

Status: 5/16/2024-Failed Deadline pursuant to Rule 61(b)(8). (Last location was APPR. on 4/16/2024)

Is Urgency: N

Is Fiscal: Y

Location: 5/16/2024-A. DEAD

Summary: The Irrigation District Law provides for the formation of irrigation districts with prescribed powers. The law authorizes an irrigation district to control, distribute, store, spread, sink, treat, purify, recapture, and salvage any water, as specified. Current law requires the Department of Water Resources to give information so far as it may be practicable to persons contemplating the formation of districts. This bill would require the department to respond to a request to enter into a long-term maintenance agreement, as defined, with an irrigation district within 120 days and to prioritize responding to long-term maintenance agreement requests for waterways that already have existing regular-term maintenance agreements, as defined.

Organization	Position
VAWC	Watch

AB 2614 (Ramos D) Water policy: California tribal communities.

Current Text: Amended: 3/21/2024 [html](#) [pdf](#)

Introduced: 2/14/2024

Last Amend: 3/21/2024

Status: 5/16/2024-Failed Deadline pursuant to Rule 61(b)(8). (Last location was APPR. SUSPENSE FILE on 5/15/2024)

Is Urgency: N

Is Fiscal: Y

Location: 5/16/2024-A. DEAD

Summary: The Porter-Cologne Water Quality Control Act establishes a statewide program for the control of the quality of all the waters in the state and makes certain legislative findings and declarations. Existing law defines the term "beneficial uses" for the purposes of water quality as certain waters of the state that may be protected against quality degradation, to include, among others, domestic, municipal, agricultural, and industrial supplies. This bill would add findings and declarations related to California tribal communities and the importance of protecting tribal water use, as those terms are defined. The bill would add tribal water uses as waters of the state that may be protected against quality degradation for purposes of the defined term "beneficial uses."

Organization	Position
VAWC	Oppose Unless Amended

AB 2751 (Haney D) Employer communications during nonworking hours.

Current Text: Amended: 3/21/2024 [html](#) [pdf](#)

Introduced: 2/15/2024

Last Amend: 3/21/2024

Status: 5/16/2024-Failed Deadline pursuant to Rule 61(b)(8). (Last location was APPR. SUSPENSE FILE on 5/8/2024)

Is Urgency: N

Is Fiscal: Y

Location: 5/16/2024-A. DEAD

Summary: This bill would require a public or private employer to establish a workplace policy that provides employees the right to disconnect from communications from the employer during nonworking hours, except as specified. The bill would define the "right to disconnect" to mean that, except for an emergency or for scheduling, as defined, an employee has the right to ignore communications from the employer during nonworking hours. The bill would require nonworking hours to be established by written agreement between an employer and employee. The bill would authorize an employee to file a complaint of a pattern of violation of the bill's provisions with the Labor Commissioner, punishable by a specified civil penalty.

Organization	Position
VAWC	Not Favor

ACA 2 (Alanis R) Water Resiliency Act of 2024.

Current Text: Amended: 3/6/2024 [html](#) [pdf](#)

Introduced: 12/5/2022

Last Amend: 3/6/2024

Status: 3/19/2024-In committee: Set, first hearing. Hearing canceled at the request of author.

Is Urgency:

Is Fiscal: Y

Location: 4/20/2023-A. W.,P. & W.

Summary: The California Constitution declares that the general welfare requires that the water resources of the state be put to beneficial use to the fullest extent of which they are capable, and that the right to the use of water does not extend to the waste or unreasonable use, method of use, or method of diversion of water. This measure would require the Treasurer to annually transfer an amount equal to 1.5% of all state revenues from the General Fund to the California Water Resiliency Trust Fund, which the measure would create. The measure would continuously appropriate moneys in the fund to the California Water Commission for its actual costs of implementing these provisions and for specified water infrastructure projects.

Organization	Position
VAWC	Favor

SB 366 (Caballero D) The California Water Plan: long-term supply targets.

Current Text: Amended: 4/8/2024 [html](#) [pdf](#)

Introduced: 2/8/2023

Last Amend: 4/8/2024

Status: 4/8/2024-From committee with author's amendments. Read second time and amended. Re-referred to Com. on W., P., & W.

Is Urgency: N

Is Fiscal: Y

Location: 6/8/2023-A. W.,P. & W.

Calendar: 6/25/2024 9 a.m. - State Capitol, Room 444 ASSEMBLY WATER, PARKS AND WILDLIFE, PAPAN, DIANE, Chair

Summary: Current law requires the Department of Water Resources to update every 5 years the plan for the orderly and coordinated control, protection, conservation, development, and use of the water resources of the state, which is known as "The California Water Plan." Current law requires the department to include a discussion of various strategies in the plan update, including, but not limited to, strategies relating to the development of new water storage facilities, water conservation, water recycling, desalination, conjunctive use, water transfers, and alternative pricing policies that may be pursued in order to meet the future needs of the state. Current law requires the department to establish an advisory committee to assist the department in updating the plan. This bill would revise and recast certain provisions regarding The California Water Plan to, among other things, require the department to instead establish a stakeholder advisory committee and to expand the membership of the committee to include tribes, labor, and environmental justice interests. The bill would require the department to coordinate with the California Water Commission, the State Water Resources Control Board, other state and federal agencies as appropriate, and the stakeholder advisory committee to develop a comprehensive plan for addressing the state's water needs and meeting specified long-term water supply targets established by the bill for purposes of The California Water Plan. The bill would require the plan to provide recommendations and strategies to ensure enough water supply for all designated beneficial uses.

Organization	Position
VAWC	Support

SB 638 (Eggman D) Climate Resiliency and Flood Protection Bond Act of 2024.

Current Text: Amended: 6/28/2023 [html](#) [pdf](#)

Introduced: 2/16/2023

Last Amend: 6/28/2023

Status: 7/6/2023-July 11 hearing postponed by committee.

Is Urgency: N

Is Fiscal: Y

Location: 6/15/2023-A. W.,P. & W.

Summary: Would enact the Climate Resiliency and Flood Protection Bond Act of 2024 which, if approved by the voters, would authorize the issuance of bonds in the amount of \$6,000,000,000 pursuant to the State General Obligation Bond Law, for flood protection and climate resiliency projects.

Organization	Position
VAWC	Support

SB 867 (Allen D) Drought, Flood, and Water Resilience, Wildfire and Forest Resilience, Coastal Resilience, Extreme Heat Mitigation, Biodiversity and Nature-Based Climate Solutions, Climate Smart Agriculture, Park Creation and Outdoor Access, and Clean Energy Bond Act of 2024.

Current Text: Amended: 6/22/2023 [html](#) [pdf](#)

Introduced: 2/17/2023

Last Amend: 6/22/2023

Status: 7/6/2023-July 10 hearing postponed by committee.

Is Urgency: N

Is Fiscal: Y

Location: 6/20/2023-A. NAT. RES.

Summary: Would enact the Drought, Flood, and Water Resilience, Wildfire and Forest Resilience, Coastal Resilience, Extreme Heat Mitigation, Biodiversity and Nature-Based Climate Solutions, Climate Smart Agriculture, Park Creation and Outdoor Access, and Clean Energy Bond Act of 2024, which, if approved by the voters, would authorize the issuance of bonds in the amount of \$15,500,000,000 pursuant to the State General Obligation Bond Law to finance projects for drought, flood, and water resilience, wildfire and forest resilience, coastal resilience, extreme heat mitigation, biodiversity and nature-based climate solutions, climate smart agriculture, park creation and outdoor access, and clean energy programs.

Organization	Position
VAWC	Watch/Amend

SB 973 (Grove R) Williamson Act: cancellation: solar energy projects.

Current Text: Introduced: 1/29/2024 [html](#) [pdf](#)

Introduced: 1/29/2024

Status: 5/2/2024-Failed Deadline pursuant to Rule 61(b)(6). (Last location was L. GOV. on 2/21/2024)

Is Urgency: N

Is Fiscal: N

Location: 5/2/2024-S. DEAD

Summary: Current law, known as the Williamson Act, authorizes a city or county to contract with a landowner to limit the use of agricultural land located in an agricultural preserve designated by the city or county to preserve the land, subject to conditions of the contract, that may include an agreement to a specified valuation of the land for purposes of property taxation. The act authorizes a landowner to petition the city council or board of supervisors, as applicable, for cancellation of the contract under specified circumstances and imposes a cancellation fee equal to 12.5% of the fair market value of the land without the restriction of the contract. This bill would authorize a board or council to grant a petition for cancellation where the land subject to the contract is located in a basin under the jurisdiction of an adjudicated watermaster or the groundwater sustainability agency. The bill would require the landowner to commit to limiting the amount of water rights to a specific solar energy project, as defined, that uses less water than the agricultural use. The bill would also require the board or council to make specified findings, including that the solar energy project use is being permitted that will use less water than the agricultural use.

Organization	Position
VAWC	Watch

SB 1156 (Hurtado D) Groundwater sustainability agencies: conflicts of interest: financial interest disclosures.

Current Text: Amended: 4/29/2024 [html](#) [pdf](#)

Introduced: 2/14/2024

Last Amend: 4/29/2024

Status: 6/3/2024-Referred to Com. on ELECTIONS.

Is Urgency: N

Is Fiscal: Y

Location: 6/3/2024-A. ELECTIONS

Calendar: 6/26/2024 9 a.m. - State Capitol, Room 444 ASSEMBLY ELECTIONS, PELLERIN, GAIL, Chair

Summary: Current law requires a groundwater sustainability plan to be developed and implemented for each medium- or high-priority basin by a groundwater sustainability agency. Current law authorizes any local agency or combination of local agencies overlying a groundwater basin to decide to become a groundwater sustainability agency for that basin, as provided. The Political Reform Act of 1974 prohibits a public official from making, participating in making, or attempting to use their official position to influence a governmental decision in which they know or have reason to know that they have a financial interest, as defined. The act requires specified public officials, including elected state officers, judges and court commissioners, members of certain boards and commissions, other state and local public officials, and candidates for these positions to file statements of economic interests, annually and at other specified times, that disclose their investments, interests in real property, income, and business positions. The Fair Political Practices Commission is the filing officer for such statements filed by statewide elected officers and candidates and other specified public officials. This bill would require members of the executive team, board of directors, and other groundwater management decision makers of groundwater sustainability agencies to file statements of economic interests according to the filing requirements described above. The bill would require that these statements be filed with the Fair Political Practices Commission, and would require the commission to establish guidelines and procedures for the submission and review of the statements.

Organization	Position
VAWC	Oppose

SB 1390 (Caballero D) Groundwater recharge: floodflows: diversion.

Current Text: Amended: 4/24/2024 [html](#) [pdf](#)

Introduced: 2/16/2024

Last Amend: 4/24/2024

Status: 6/3/2024-Referred to Com. on W., P., & W.

Is Urgency: N

Is Fiscal: Y

Location: 6/3/2024-A. W.,P. & W.

Summary: Current law declares that all water within the state is the property of the people of the state, but the right to the use of the water may be acquired by appropriation in the manner provided by law. Current law requires the appropriation to be for some useful or beneficial purpose. Current law provides, however, that the diversion of floodflows for groundwater recharge does not require an appropriative water right if certain conditions are met, including that a local or regional agency that has adopted a local plan of flood control or has considered flood risks as part of its most recently

adopted general plan has given notice, as provided, of imminent risk of flooding and inundation of lands, roads, or structures. Current law also requires the person or entity making the diversion for groundwater recharge purposes to file with the State Water Resources Control Board a final report 15 days after the diversions cease. These requirements apply to diversions commenced before January 1, 2029. This bill would extend the operation of these requirements to diversions commenced before June 1, 2032. The bill would revise, recast, and expand the conditions that are required to be met for the diversion of floodwaters for groundwater recharge that do not require an appropriative water right. The bill would require that a local or regional agency take specified actions, including making a declaration that diversion of floodflows for groundwater recharge from a delineated stretch of waterway within its jurisdiction is in accordance with one of certain enumerated plans relating to flood control or flood risk, as specified, or a county emergency operations plan. The bill would require diversions to cease no later than 90 days after commencing, unless they are renewed, and would authorize a local or regional agency to renew a diversion for an additional 30 days by notifying the board of its intention to continue diverting 15 days before its expiration.

Organization	Position
VAWC	Support

Total Measures: 18

Total Tracking Forms: 18

ACWA ADVISORY

LEGISLATIVE | GROUNDWATER
June 12, 2024

Bill That Would Have Banned Some New Groundwater Wells Fails to Pass Out of Senate Committee

[AB 2079](#) (Bennett), which would have banned local agencies from permitting some new groundwater wells, failed to pass out of the Senate Natural Resources and Water Committee on Tuesday, effectively stopping the bill.

ACWA's State Legislative Committee adopted an oppose-unless-amended position due to concerns over the moratorium on new wells throughout much of the state and the potential legal liability it created for local agencies. The bill would have prohibited well-permitting agencies from approving applications for agricultural and industrial wells in basins that experienced more than half a foot of subsidence since 2015, or if the well was within a quarter-mile of a domestic well.

ACWA participated in a large coalition of associations, water agencies, business and agricultural interests in opposing the bill. On Tuesday, ACWA Senior State Relations Advocate Kristopher Anderson testified before the committee and encouraged Senators to vote against the bill.

"This bill could have been an opportunity to meaningfully improve the well permitting process by thinking critically about how to integrate SGMA and local management practices. Unfortunately, this bill is a blanket, one-size-fits-all moratorium on approval of new wells that will harm local economies while failing to address subsidence or well interference," Anderson testified.

Background

The Department of Water Resources, which sponsored AB 2079, released in March a [groundwater well permitting report](#) that summarized various approaches local agencies took to comply with related executive orders, along with recommendations that could be used to develop future solutions to align land use planning, well permitting, and groundwater management and use.

AB 2079, which was originally introduced as a spot bill pertaining to SGMA, incorporated many of the recommendations included in the report.

Questions