



REGULAR BOARD OF DIRECTORS MEETING

501 Taft Highway
Bakersfield, California

TUESDAY, August 16, 2022

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. Kern Delta Water District et al. v. Rosedale Rio Bravo Water Storage District et al. (Onyx Ranch CEQA).
- B. Conference with Legal Counsel – Potential Litigation – Closed Session Pursuant to Gov. Code § 54956.9(d)(2),(e)(1):
 - 1. One Matter.

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 August 2, 2022.
 - B. Approval of July/August District Construction and Water Banking Project(s) Disbursements.
 - C. Approval of July/August 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 – August 11, 2022.
 - i. Review and Acceptance of 2021 Audit – Brown Armstrong.
 - ii. Approval of July 2022 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 – August 2, 2022.
 - i. District Encroachment Permit Report.
 - ii. District Facility and Banking Maintenance Report.
 - iii. Pending Development Projects.
 - iv. Sunset Groundwater Banking Project – Update.

- v. Old River 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 – 5% allocation.
 - ii. Kern River Runoff Forecast – B-120 Update.
- B. Kern River Watermaster Report.
 - i. Isabella Dam Safety Remediation 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. ACWA 2022 Fall Conference
 - ii. California's Water Supply Strategy Report.
- 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. Review and Approval of Updated District Conflict of Interest Code.
- B. 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: August 16, 2022

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 August 2, 2022 (attached).

II B. Approval of July/August District Construction and Water Banking Project(s) Disbursements totaling \$385,683.31* (attached), partially recommended for approval by the Operations and Projects Committee (*see August 2, 2022 Operations and Projects Committee Minutes for additional detail*).

II C. Approval of July/August District Disbursements (attached) recommended for approval by the Business and Finance Committee (*see August 11, 2022 Business and Finance Committee Minutes for additional detail*).

**The total includes disbursements approved by the Operations and Projects Committee (\$196,782.12) and an additional amount (\$188,901.19) for invoices which came in after August 2, 2022 and were subsequently recommended for approval by the Business and Finance Committee on August 11, 2022).*



MINUTES OF THE REGULAR MEETING OF THE BOARD OF DIRECTORS

August 2, 2022

TUESDAY, August 2, 2022, 12:03PM– 3:42PM

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

DIRECTORS ABSENT:

STAFF PRESENT: General Manager Teglia, Water Resources Manager Mulkay, Assistant General Manager Bellue, General Counsel Iger, Controller Duncan, and Groundwater Manager Marquez.

OTHERS PRESENT: None.

CLOSED SESSION DECLARED AT 12:03PM

President Palla called to order the Closed Session of the Kern Delta Board of Directors at 12:03PM 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. Kern Delta Water District et.al v. Rosedale Rio Bravo Water Storage District et al. (Onyx Ranch CEQA).
3. California Department of Water Resources v. All Persons Interested in the Matter of the Authorization of Delta Program Revenue Bonds (Delta Conveyance Project Validation Action).

B. Conference with Legal Counsel – Potential Litigation – Closed Session Pursuant to Gov. Code § 54956.9(d)(2),(e)(1):

1. One Matter.

Closed Session concluded at 1:03PM.

REGULAR SESSION DECLARED AT 1:04PM

President Palla called to order the Regular Session of the Kern Delta Board of Directors at 1:04PM.

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

Item A: No reportable action.

Item B: No reportable action.

INTRODUCTION OF GUESTS AND PUBLIC

None.

I. PUBLIC COMMENT

None.

II. CONSENT CALENDAR

M/S/C (Tillema/Garone) (yes-9, no-0): By unanimous vote the Board approved and authorized items II A through II C of the Consent Calendar as presented.

- A. Approval of Minutes from the Regular Board Meeting of June 21, 2022.
- B. Approval of the June/July District Construction and Water Banking Project(s) Disbursements.
- C. Approval of the June/July District Disbursements.

III. BUSINESS AND FINANCE

A. Business & Finance Committee – July 19, 2022: District Controller Duncan provided a report from the July Business & Finance Committee Meeting.

A(i). Approval of June 2022 Financial Reports: Mr. Duncan presented the June 2022 District and Water Banking Project(s) Financial Statements, Treasurer's Reports, and District Delinquency Report.

M/S/C (Antongiovanni/Fanucchi) (yes-9, no-0): By unanimous vote the Board approved the June 2022 District and Water Banking Project(s) Financial Statements, Treasurer's Reports, and Delinquency Report as presented.

A(ii). Annual Audit Update: Mr. Duncan provided a brief update regarding the status of the audit for the year ending December 31, 2021.

B. Authorization for General Manager, General Counsel, and All Current Directors to Sign on the District's Bank Accounts: Staff conveyed that due to the recent appointment of two new Directors, staff was updating the signature cards for the District's bank accounts. Staff requested the Board authorize the General Manager, General Counsel, and all current Directors to sign on the District's accounts.

M/S/C (Spitzer/Antongiovanni) (yes-9, no-0): By unanimous vote the Board authorized the General Manager, General Counsel, and all current Directors to sign on the District's bank accounts.

C. Quarterly Investment Review: Mr. Duncan provided the Board with a review of the District's current investments. It was noted that the Business and Finance Committee will be discussing potential investment options at their next meeting.

IV. OPERATIONS AND PROJECTS

A. - A(i-vi). Operations and Projects Committee – July 5, 2022 (Meeting Canceled): Assistant General Manager Bellue briefly reported on several items. Mr. Bellue's update included District maintenance activities, recent encroachment permit requests, pending development projects impacting District facilities, and status updates related to both the Sunset and Old River Groundwater Banking projects.

B. – B(i-ii). Central Branch Canal Trash Screen Project: Mr. Bellue provided a brief overview of two contracts presented to the Board which will facilitate the installation of two trash screens located on the Central Branch Canal. This project had been previously discussed and approved by the Board; however, staff had committed to bringing back the final agreements for Board review and approval. The first agreement is with International Water Screens Co. in an amount not to exceed \$132,796 and the second is with Agilitech Group for electrical work associated with the project in an amount not to exceed \$16,500.

M/S/C (Mendonca/Garone) (yes-9, no-0): By unanimous vote the Board approved both contracts as presented (International Water Screens Co. in an amount not to exceed \$132,796 and Agilitech Group in an amount not to exceed \$16,500.

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 June and early July. Approximately 18,099 acre-feet of water was delivered in District during June. Staff also provided information related to current precipitation totals and future forecasts. The current State Water Project allocation is 5% and the current B-120 forecast for Kern River runoff is estimated at 23%-25% of average for April through July.

B. - B(i). Kern River Watermaster Report: The July Kern River Watermaster Report and Isabella construction update, provided by the Army Corps of Engineers, was included in the Board packet.

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

VI. MANAGER'S REPORT

A – A(i-ii). Mr. Teglia provided a brief verbal report regarding the recent release of two Draft Environmental Impact Reports (DEIR) and the opening of the public review period for each; one associated with the Delta Conveyance Project and one associated with the McAllister Ranch Groundwater Banking Project.

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 (including the status of the Delta Conveyance Project and Contract Extension), 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.

B(i). SGMA – Presentation of Amended KRGSA GSP: Mr. Teglia introduced Phyllis Stanin of Todd Groundwater who, via remote participation, provided the Board with an overview of the recently amended Kern River Groundwater Sustainability Agency (KRGSA) Groundwater Sustainability Plan (GSP). In response to the Department of Water Resources (DWR) review of all the Kern Subbasin GSPs, the KRGSA amended their GSP and resubmitted it to DWR for review on July 26, 2022.

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. Mr. Teglia also conveyed that the District will be recovering previously banked MET and SBVMWD water and returning regulated water back to both agencies via exchange in 2022.

VII. ATTORNEY'S REPORT

A. Nomination and Election of Vice President and Committee Assignments: President Palla opened the floor to nominations for the position of Board Vice President. Director Tillema nominated Director Mendonca and no other nominations were made. By a unanimous vote (9-0) the Board elected Director Mendonca to the position of Vice President.

Following the election of the Vice President, President Palla made several changes to the Board committee assignments which are reflected in the memorandum attached to these minutes.

B. VAWC Legislative Update: No update was provided as the Legislature was on Summer Recess between July 1, 2022 and August 1, 2022.

VIII. BOARD MEMBER COMMENTS

None.

IX. ADJOURNMENT:

There being no further business, President Palla adjourned the meeting at approximately 3:42PM.

Respectfully Submitted,



Steven Teglia, General Manager

Approved by Board,



Richard Tillema, Board Secretary



BOARD OF DIRECTORS

Rodney Palla, *President*
David L. Kaiser, *Vice President*
Richard Tillema, *Secretary*
Kevin Antongiovanni, *Treasurer*
Donald Collins
Ross E. Spitzer
Fred Garone
Joey Mendonca
Robert Fanucchi

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OFFICERS & STAFF

Steven L. Teglia
General Manager
L. Mark Mulkay
Water Resources Manager
Chris Bellue
Assistant General Manager
Bryan C. Duncan
Controller
Richard Iger
General Counsel
McMurtrey, Hartsock & Worth
Special Counsel

COMMITTEE ASSIGNMENTS

Board Approved
August 2, 2022

President: Palla

Vice-President: Mendonca

Secretary: Tillema (Assistant Secretaries: Mulkay, Teglia, & Iger)

Combined Officer – Treasurer, Assessor, Tax Collector: Antongiovanni (Assistant

Combined Officer: Duncan)

Business & Finance:

Antongiovanni (Chairman), Garone, Tillema, Kaiser

Functions: Expense items, capital, equipment, operations, wage/benefits, interest, expenses, sources of income, taxes, assessments, water tolls, bonds, loans, audit.

Operations and Projects:

Mendonca (Chairman), Spitzer, Fanucchi, Borba

Functions: System improvements, maintenance of facilities, engineering, design, construction, right-of-way/easements, land purchases/sales, encroachment permits.

Administration & Executive:

Palla (Chairman), Mendonca, Antongiovanni, Tillema

Functions: As needed for Special Functions, plus: Personnel matters, legislation, litigation, District organization, government regulations/compliance, negotiation, special assignments, rules/operations, groundwater management, water supply, allocations, water banking, water purchase.

Other Assignments:

Fred Garone: ACWA Joint Powers Insurance (Semi-annual)

Rob Fanucchi: Irrigated Lands Regulatory Meeting (Monthly) (Steve Teglia – Alternate)

Kevin Antongiovanni: KCWA Member Unit Policy Meetings (as needed)

Rodney Palla: Kern River Groundwater Sustainability Agency (Monthly)

Rodney Palla: DCP (as needed)



To: Kern Delta Water District Board of Directors

From: Steven Teglia

Date: August 2, 2022

Re: Invoices and Disbursements, Special Projects & Water Banking Project Operation/Construction.

RECOMMENDATION:

Staff recommends payment of the following twenty-seven payables divided into three overall groups of: 1) water banking program design, construction, and construction support -- \$00.00; 2) water banking variable --\$196,782.12; 3) Kern Delta Water District construction -- \$00.00. The total expenditure in July for these areas is \$196,782.12 (plus additional PG&E well energy stand-by cost).

DISCUSSION:

The following nine payables can be divided into three overall groups: 1) water banking program design, construction and construction support, 2) water banking variable, and 3) Kern Delta construction.

First group (Water Banking Program Design, Construction, and Construction Support):

Second group (Water Banking Variable):

- 1) Fred C. Gilbert – \$117.98 (Decals, Glass & Ferrule Kit)
- 2) PG&E – \$39,906.06 (AE-02, Power/stand-by energy cost for the wells associated with the Water Banking water production)
- 3) PG&E – \$38,523.48 (AE-03, Power/stand-by energy cost for the wells associated with the Water Banking water production)
- 4) PG&E – \$23,764.12 (FR-03, Power/stand-by energy cost for the wells associated with the Water Banking water production)
- 5) PG&E – \$25,791.94 (KD-01), Power/stand-by energy cost for the wells associated with the Water Banking water production)
- 6) PG&E – \$29,615.25 (KD-02, Power/stand-by energy cost for the wells associated with the Water Banking water production)
- 7) PG&E – \$36,237.94 (KI-07, Power/stand-by energy cost for the wells associated with the Water Banking water production)
- 8) PG&E – \$75.35 (KI-08, Power/stand-by energy cost for the wells associated with the Water Banking water production)
- 9) Stephen Smith Solu. – \$2,750.00 (Weed Control)

Third group (Kern Delta Construction)

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

Tuesday, August 2, 2022

#	PAYEE		AMOUNT	CHECK
1	FRED C. GILBERT, CO	Decals, Glass & Ferrule kit	117.98	3387
2	PGE - AE2	Well Utilities	39,906.06	3388
3	PGE - KI8	Well Utilities	75.35	3389
4	PGE - KD1	Well Utilities	25,791.94	3390
5	PGE - FR3	Well Utilities	23,764.12	3391
6	VOID	VOID	-	3392
7	PGE - KI7	Well Utilities	36,237.94	3393
8	PGE - AE3	Well Utilities	38,523.48	3394
9	STEPHEN B. SMITH VEG.	Weed control	2,750.00	3395
10	PGE - KD2	Well Utilities	29,615.25	3396
TOTAL			196,782.12	

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

Tuesday, August 2, 2022

#	PAYEE		AMOUNT	CHECK
1	FRED C. GILBERT, CO	Decals, Glass & Ferrule kit	117.98	3387
2	PGE - AE2	Well Utilities	39,906.06	3388
3	PGE - KI8	Well Utilities	75.35	3389
4	PGE - KD1	Well Utilities	25,791.94	3390
5	PGE - FR3	Well Utilities	23,764.12	3391
6	VOID	VOID	-	3392
7	PGE - KI7	Well Utilities	36,237.94	3393
8	PGE - AE3	Well Utilities	38,523.48	3394
9	STEPHEN B. SMITH VEG.	Weed control	2,750.00	3395
10	PGE - KD2	Well Utilities	29,615.25	3396
TOTAL			196,782.12	

*meeting and will be reviewed at the August 11, 2022 Business and Finance Committee
meeting.*

□

#	PAYEE		AMOUNT	CHECK
2	PGE - BV4	Well Utilities	33,460.87	3397
3	PGE - BV3	Well Utilities	37,625.08	3398
4	PGE - BV5	Well Utilities	34,293.95	3399
5	PGE - AE4	Well Utilities	37,865.28	3400
6	PGE - BV2	Well Utilities	36,859.19	3401
7	TARGET SPECIALTY	Cheetah, Torpedo, Roundup P	8,796.82	3402
TOTAL			188,901.19	

KERN DELTA WATER DISTRICT
DISBURSEMENTS RECOMMENDED BY THE BUSINESS AND FINANCE COMMITTEE
Thursday, August 11, 2022

JULY 2022 SUB TOTAL \$ 517,788.55

# PAYEE	AMOUNT	CHECK
1 DANIEL DE LEON - payroll reissue	22,050.69	45802
2 DEERTRAIL DEVELOPMENT LLC - reimburse deposit	124,669.20	45803
3 AMERIFUEL - fuel	9,042.61	45804
4 CARQUEST, INC. - silicone, floor cleaner	62.10	45805
5 CASH - safety incentive, petty cash replenishment	928.09	45806
6 CNA SURETY - bond	346.16	45807
7 COX, CASTLE & NICHOLSON LLP - professional services	17,607.00	45808
8 DAVID KAISER - director fee	300.00	45809
9 ELLISON, SCHNEIDER & HARRIS L.L.P. - professional services	14,336.00	45810
10 FANUCCHI ROBERT - director fee	600.00	45811
11 FRED GARONE - director fee	700.00	45812
12 JOEY MENDONCA - director fee	300.00	45813
13 KEVIN ANTONGIOVANNI - director fee	700.00	45814
14 MARCOM GROUP - website hosting	95.00	45815
15 NORTH KERN WATER STORAGE DISTRICT - 2022 2nd qtr watermaster	1,650.00	45816
16 PACIFIC GAS & ELECTRIC - office utilities	2,242.34	45817
17 PRINCIPAL LIFE INSURANCE - insurance premium	4,594.37	45818
18 QUINN - regen repairs #403	3,734.53	45819
19 RELIABLE JANITORIAL - cleaning service	1,185.00	45820
20 RICHARD TILLEMA - director fee	600.00	45821
21 RODNEY PALLA - director fee	800.00	45822
22 ROSS E. SPITZER - director fee	300.00	45823
23 SPARKLE - uniforms, towels, mats	1,592.54	45824
24 STEPHEN B. SMITH - weed control	357.50	45825
25 STINSON STATIONERS - office supplies	945.20	45826
26 THE LAW OFFICES OF YOUNG WOOLDRIDGE - transcript copies	1,401.80	45827
27 UNITED AG BENEFIT TRUST - M. Mulkay Cobra	969.50	45828
28 UNITED RENTALS - reissued payment	995.40	45829
29 VERIZON - cell service	653.17	45830
30 ZENITH INSURANCE COMPANY - final audit	4,131.00	45831
31 PAYROLL #15	74,194.79	Wire
32 PAYROLL PEOPLE #15	290.50	Wire
33 EDD-STATE P/R #15	5,110.08	Wire
34 EFT-IRS P/R #15	25,469.66	Wire
35 LINCOLN LIFE - retirement program	13,361.86	Wire
36 LINCOLN LIFE - deferred comp.	3,129.45	Wire
37 EMPOWER - deferred comp.	1,865.00	Wire

JULY 2022 TOTAL 859,099.09

# PAYEE	AMOUNT	CHECK
1 1 ANSWERING SERVICE - answering service	649.11	45832
2 AMERIFUEL - fuel	7,303.33	45833
3 B&B SURPLUS, INC. - pipe, metal	5,720.34	45834
4 BEECH PROPERTIES - assessment overpayment	429.18	45835
5 FLOYD'S - chains	85.23	45836
6 GRAINGER - air filters	174.99	45837

7 GREENFIELD COUNTY WATER DIST. - office utilities	184.51	45838
8 CRYSTAL CLEAN, LLC - waste oil removal	225.00	45839
9 HOWARD SUPPLY, INC. - bolt cutter	158.83	45840
10 JIM BURKE FORD - filters	552.27	45841
11 KERN COUNTY RECORDER - lien redemptions	220.00	45842
12 KERN DELTA WATER BANKING PROJECT - 2022 3rd qtr CVC	71,163.75	45843
13 KERN MACHINERY - chains	34.63	45844
14 LAND IQ - August analysis	7,429.00	45845
15 LOWE'S BUSINESS ACCOUNT - rake, cement	451.18	45846
16 O'REILLY AUTO PARTS - windshield, sea foam	182.54	45847
17 OPEN & SHUT ENTERPRISES - gate repairs HQ	455.59	45848
18 PACIFIC GAS & ELECTRIC - office utilities	12.16	45849
19 PRICE DISPOSAL - dump fees	15.05	45850
20 PROGRESSIVE TECHNOLOGY, INC. - IT support	1,282.00	45851
21 RKL SOLUTIONS, LLC - additional license	720.00	45852
22 SAN JOAQUIN VALLEY AIR - annual burn permit	640.00	45853
23 STERICYCLE, INC. - shredding service	100.04	45854
24 TARGET SPECIALTY PRODUCTS - roundup, pro bait, alligare	19,881.53	45855
25 VACUSWEEP - parking lot maintenance	420.00	45856
26 VERIZON CONNECT - gps service	178.45	45857
27 WESTAIR GASES & EQUIPMENT, INC. - gases	59.86	45858
28 CENTRALIZE HR - admin fee	1,895.00	Wire
29 PAYROLL #16	72,336.06	Wire
30 PAYROLL PEOPLE #16	157.25	Wire
31 EDD-STATE P/R #16	5,037.97	Wire
32 EFT-IRS P/R #16	24,787.93	Wire
33 LINCOLN LIFE - retirement program	13,176.91	Wire
34 LINCOLN LIFE - deferred comp.	3,129.45	Wire
35 EMPOWER - deferred comp.	1,865.00	Wire
AUGUST 2022 SUBTOTAL		241,114.14

KERN DELTA WATER DISTRICT**Anticipated Disbursements - Month End - August 2022**

		August 2022 Anticipated
Payee	Reason	
AHERN RENTALS, INC.	equipment rental	500.00
AMERIFUEL	gas/diesel fuel	9,500.00
BATTERY SYSTEMS	vehicle maintenance	250.00
BROWN ARMSTRONG	professional services	4,000.00
BSE RENTS	concrete	300.00
BUDGET BOLT	maintenance materials	200.00
CARQUEST	brake fluid, lube	150.00
CITIZENS CARDMEMBER SERV	misc expenses	4,500.00
CORE & MAIN	pipe	3,500.00
COUNTRY TIRE	vehicle tires	1,500.00
COX, CASTLE & NICHOLSON LLP	professional services	15,000.00
DERREL'S MINI STORAGE	storage rental	1,004.40
ELLISON, SCHNEIDER & HARRIS	professional services	10,000.00
EMPOWER	deferred comp contributions	1,865.00
GRAINGER	safety materials	50.00
HALL LETTER SHOP	mass mailing service	850.00
HERITAGE - CRYSTAL CLEAN LLC	waste oil removal	225.00
INDUSTRIAL MEDICAL GROUP	new hire drug screens, physicals	200.00
JERRY & KEITH'S	truck maintenance/repair	150.00
JIM BURKE	truck maintenance/repair	1,500.00
K.C. WASTE (PUBLIC WORKS)	dumping	3,000.00
KERN COUNTY RECORDER	lien redemption	20.00
LINCOLN FINANCIAL	pension/deferred comp contributions	16,491.06
LOWE'S	maintenance materials	850.00
MARCOM GROUP	district web site support	95.00
McMURTREY, HARTSOCK et al	professional services	12,530.00
NORTH KERN WSD	watermaster/weather modification	9,500.00
O'REILLY AUTO PARTS	vehicle repair parts	350.00
ORKIN	pest control - office	150.00
P.G.&E.	district office utilities	2,300.00
PITNEY BOWES	postage	260.80
PRINCIPAL LIFE INS.	dental/vision/life insurance premium	4,594.00
PROGRESSIVE TECH.	IT and computer system support	1,660.23
QUINN	motorgrader maintenance/repair	650.00
RELIABLE JANITORIAL	janitor service	1,185.00
SCHWEBEL PETROLEUM	oil/lubricants	2,600.00
SPARKLE	uniform/laundry service	1,890.00
SPECTRUM	internet access	373.54
SSD SYSTEMS	office alarm monitoring	125.00
STEPHEN SMITH WEED CONTROL	weed control spraying service	500.00
STERICYCLE, INC (Shred-it)	office shredding and disposal	110.00
STERLING ADMINISTRATION	medical insurance - annual fees	132.00
STINSON'S	office supplies	375.00
SULLY & SON	canal maintenance materials	150.00
TARGET	weed control chemicals	35,000.00
UNITED AG	medical insurance premium	30,969.50
UNITED RENTAL	equipment rental	500.00
VACUSWEEP	office maintenance	420.00
VERIZON	cell phones and service	660.00
		<u>182,685.53</u>

Tab III





BUSINESS & FINANCE COMMITTEE MEETING

**501 Taft Highway
Bakersfield, CA**

**THURSDAY August 11, 2022
10:00AM**

A G E N D A

- 1. Call to order**
- 2. Public Comment Period**
- 3. Approve Minutes of July 19, 2022, Special Business & Finance Committee Meeting**
- 4. Financial Reports and Disbursements:**
 - a. Approve July and August District and Banking Project(s) Disbursements
 - b. Approve July 2022 Financial Reports
- 5. District Controller's Report:**
 - a. Review of 2021 Audited Financials – Brown Armstrong
 - b. Review of Draft 2023 Budget
 - c. Review of Potential Investment Alternatives
 - d. Review of 2023 Health Benefits
- 6. Committee Comments**
- 7. Adjourn**

A handwritten signature in black ink, appearing to read "Bryan Duncan", with a long horizontal line extending to the right.

**Bryan Duncan
District Controller**

**Posted: Monday, August 8, 2022
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 BUSINESS & FINANCE COMMITTEE
Thursday, August 11, 2022

DIRECTORS PRESENT: Antongiovanni, Tillema, Garone and Kaiser.

OTHERS PRESENT: From KDWD: General Manager Teglia, Water Resources Manager Mulkay, Assistant General Manager Bellue, Controller Duncan, General Counsel Iger, and Administrative Assistant Rodriguez. From Brown Armstrong: Lindsey Zimmerman.

1. **CALL TO ORDER**

Chair Antongiovanni called the meeting to order at 10:08 A.M.

2. **PUBLIC COMMENTS**

None.

3. **APPROVAL OF PREVIOUS COMMITTEE MEETING MINUTES**

- a. **M/S/C (Tillema/Garone) (yes – 4, no – 0):** The Business & Finance Committee approved the minutes of the Business & Finance Committee meeting held on July 19, 2022 as presented.

4. **FINANCIAL REPORTS AND DISBURSEMENTS**

- a.- b. Approval of July 2022 and August 2022 Disbursements and July 2022 Financial Reports.

M/S/C (Tillema/Kaiser) (yes – 4, no – 0): The Business & Finance Committee recommends the Board approve the July 2022 and August 2022 District Disbursements, the August 2022 Water Banking Projects' Disbursements, the anticipated August 2022 end of month Disbursements, and the July 2022 District and Water Banking Projects' Financial Statements, Treasurer's Reports, and Delinquency Report as presented.

5. **DISTRICT CONTROLLER'S REPORT**

- a. Lindsey Zimmerman, partner at Brown Armstrong CPAs, presented the 2021 audited financial report of Kern Delta Water District. **M/S/C (Tillema/Garone) (yes – 4, no – 0):** The Business & Finance Committee recommends forwarding the 2021 audit report to the Board for review and acceptance.
- b. Staff presented a revised draft of the District's 2023 Budget for additional review. The draft was distributed to the committee in anticipation of final approval during the September 2022 Business & Finance Committee meeting.
- c. Staff proposed a plan to invest a portion of the District's cash reserves in short term Treasury Bills. At the direction of the committee, Staff will invite Douglas Heal from LPL Financial to discuss the proposal further.
- d. Staff reviewed preliminary alternatives for the District's 2023 Health Benefits offering. The committee requested Staff provide additional information at the September 2022 Business & Finance Committee meeting.

6. **DIRECTORS' COMMENTS**

None.

7. **ADJOURN**

Chair Antongiovanni adjourned the meeting at 12:09 P.M.

Respectfully submitted,

Kevin Antongiovanni – Chair

**Kern Delta Water District
Balance Sheet
As of July 31, 2022**

	<u>07/31/2022</u>	<u>06/30/2022</u>	<u>Month-to-Month Variance</u>
Assets			
Current Assets			
Cash & Cash Equivalents	21,469,590	21,899,505	(429,914)
Accounts Receivable	642,274	362,459	279,814
Inventory & Prepaid Expenses	473,866	329,817	144,049
Total Current Assets	<u>22,585,730</u>	<u>22,591,781</u>	<u>(6,051)</u>
Net Fixed Assets			
Fixed Assets			
District Structures, Rights of Way	18,169,662	18,134,377	35,285
CVC Expansion	8,776,668	8,776,668	0
Machinery & Equipment	2,615,187	2,615,186	0
Fixed Assets	<u>29,561,517</u>	<u>29,526,231</u>	<u>35,285</u>
Less Accumulated Depreciation	<u>7,399,596</u>	<u>7,352,995</u>	<u>46,600</u>
Net Fixed Assets	<u>22,161,921</u>	<u>22,173,236</u>	<u>(11,315)</u>
Investment in Joint Powers Authority	<u>15,376</u>	<u>15,376</u>	<u>0</u>
Investment in MET Program	<u>8,890,130</u>	<u>8,890,130</u>	<u>0</u>
Investment in Sunset Banking Program	<u>500,000</u>	<u>500,000</u>	<u>0</u>
Total Assets	<u>54,153,157</u>	<u>54,170,523</u>	<u>(17,366)</u>
Liabilities & Equity			
Current Liabilities			
Accounts Payable	164,060	179,354	(15,294)
Deposits Held for Others	107,553	244,990	(137,438)
Other Liabilities	177,019	181,723	(4,703)
Total Current Liabilities	<u>448,632</u>	<u>606,067</u>	<u>(157,435)</u>
Long Term Liabilities			
Bonds & COP Debt	3,795,000	3,795,000	0
Bonds Premium & Costs	130,694	130,694	0
Total Long Term Liabilities	<u>3,925,694</u>	<u>3,925,694</u>	<u>0</u>
Equity From Past Years	51,739,183	51,739,183	0
Accumulated Equity - Current Year	<u>(1,960,352)</u>	<u>(2,100,421)</u>	<u>140,069</u>
Total Liabilities & Equity	<u>54,153,157</u>	<u>54,170,523</u>	<u>(17,366)</u>

Kern Delta Water District
Cash Variance Analysis
July 31, 2022

Cash Received:

Accounts Receivable Collections	327,813
Share of Property Tax Receipts	34,619
Interest Received	54,467
Transferred from KDWBP	-
Other (Pioneer Project Credit)	
	<hr/>
	416,899

Cash Disbursed:

Disbursements for Goods and Services:	
Weed Control Chemicals	(238,044)
Deertrail Development LLC - Deposit Refund	(124,669)
Professional Services	(44,473)
Turnout Boxes - Brigg's MFG, Inc	(35,285)
United Ag monthly premium - June	(27,720)
ACWA/JPIA - Annual Property Insurance Premium	(26,913)
Diesel/Gas for Fleet	(20,186)
Other Disbursements	(97,396)
Payrolls Paid	(244,334)
	<hr/>
	(859,021)

FMV Adjustment to Kern County Funds	<hr/> 12,207
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Net positive/(negative) variance	<div>(429,914)</div>
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Kern Delta Water District
Accounts Receivable Variance Analysis
July 31, 2022

Revenue Added to Accounts:

Water Sales - Utility Water	217,603
District Wells Revenue	3,994
Seepage Revenue	198,571
NKWSD 3rd Qtr	182,750
Other Misc Revenues:	
Encroachment Permits	500
Penalties/Interest	2,359
Other	1,850
	<hr/>
	607,627
	<hr/>

Cash Received on Account:

Water Payments	(283,271)
Misc Payments	(11,994)
Assessments Payments	(32,548)
	<hr/>
	(327,813)

Interest Payments

-
<hr/>
(327,813)
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Net positive/(negative) variance

279,814

**Kern Delta Water District
Inventory/Prepays Variance Analysis
July 31, 2022**

Additions to Accounts:

Weed Control Chemicals Purchased	208,189
Prepaid Additions	26,913
	<hr/>
	235,102
	<hr/>

Usage/Amortization:

Chemicals Consumed During Month	(71,257)
Amortization of Prepaid Accounts	(19,796)
	<hr/>
	(91,053)
	<hr/>

Net positive/(negative) variance	144,049
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**Kern Delta Water District
Statement of Operating Results
Through the Period Ended July 31, 2022**

	Current Month	Year to Date	Annual Budget	YTD as %age of Budget (Target is 58%)	Budget Remaining
REVENUE					
State Water Sales	0	0	992,439	0 %	(992,439)
Utility Water Sales	217,450	1,238,333	3,214,296	39 %	(1,975,963)
Seepage Revenue	186,577	176,225	750,000	23 %	(573,775)
Equalization	0	9,199	9,170	100 %	29
Assessments	2	1,007,053	1,011,424	100 %	(4,371)
Share of County Property Tax	34,618	2,411,476	5,371,745	45 %	(2,960,269)
Interest Revenue	54,467	104,345	236,060	44 %	(131,715)
Other Revenue	33,094	215,001	175,000	123 %	40,001
Water Transfer Charges	182,750	548,250	731,000	75 %	(182,750)
Expense Reimb From Banking	0	0	150,000	0 %	(150,000)
Total Revenue	708,958	5,709,882	12,641,134	45 %	(6,931,252)
EXPENDITURES					
Source of Supply					
State Water Costs	0	2,920,730	3,000,000	97 %	(79,270)
Exchange Fees	0	(6,375)	76,500	(8) %	(82,875)
Watermaster, City, Isabella	1,650	108,236	405,400	27 %	(297,165)
Grower Recharge Program Costs	0	0	0	0 %	0
Miscellaneous Source Costs	0	16,830	731,000	2 %	(714,170)
Total Source of Supply	1,650	3,039,421	4,212,900	72 %	(1,173,480)
Transmission and Distribution					
Labor	228,207	1,561,446	2,747,453	57 %	(1,186,006)
Employee Benefits	70,550	486,544	887,255	55 %	(400,712)
Maintenance & Repairs	105,939	773,721	1,068,648	72 %	(294,926)
Total Transmission and Distribution	404,696	2,821,711	4,703,356	60 %	(1,881,644)
Administrative & Other Costs					
Engineering Consultants	0	1,209	100,000	1 %	(98,792)
Legal Expense	510	3,723	60,000	6 %	(56,277)
Special Legal/Engineering	46,049	178,667	300,000	60 %	(121,333)
Office Operations	45,718	194,147	343,427	57 %	(149,280)
Insurance	23,343	126,740	183,610	69 %	(56,870)
Special Expenses	5,101	208,673	791,500	26 %	(582,827)
Kern River GSA & SGMA	7,429	52,003	200,000	26 %	(147,997)
Construction Expense - Peripheral	0	2,966	0	0 %	2,966
Bond Interest Expense	0	68,572	123,541	56 %	(54,969)
FMV Adjustment	(12,207)	646,202	0	0 %	646,202
Depreciation	46,600	326,200	559,200	58 %	(233,000)
Total Administrative & Other	162,543	1,809,102	2,661,278	68 %	(852,177)
Total Expenses	568,889	7,670,234	11,577,534	66 %	(3,907,301)
Net Fav/(Unfav) Operating Results	140,069	(1,960,352)	1,063,600	(184) %	(3,023,952)

KERN DELTA WATER DISTRICT
Labor and Benefits Tracker
2022

Actual Cost	Jan	Feb	Mar	Apr	May	Jun	Jul	TOTAL 2022
Wages & Salaries	201,789	214,039	219,763	220,541	251,901	225,206	228,207	1,561,446
Payroll Taxes - Employer Paid	15,019	15,381	16,603	16,324	18,097	16,919	17,443	115,786
Medical/Dental/Vision - Cost	34,547	29,295	32,242	32,123	36,450	32,160	32,160	228,977
Medical/Dental/Vision - Employee Withheld	(4,721)	(4,269)	(4,521)	(4,668)	(4,787)	(4,450)	(4,530)	(31,946)
Life/LTD/AD&D	1,417	1,417	1,362	1,534	1,728	1,570	1,530	10,557
Retirement Plan	20,635	20,030	22,054	21,523	23,687	22,295	22,962	153,185
Uniforms and Other Benefits	720	1,210	1,664	2,739	908	1,759	985	9,985
Total Benefits	67,617	63,064	69,403	69,574	76,083	70,253	70,550	486,544
Total Labor and Benefits	269,406	277,103	289,167	290,115	327,984	295,459	298,757	2,047,990

Budgeted Cost								
Wages & Salaries	228,107	206,032	228,259	220,896	235,559	227,961	235,559	1,582,373
Payroll Taxes - Employer Paid	17,451	15,761	17,462	16,899	18,021	17,439	17,487	120,520
Medical/Dental/Vision - Cost	35,808	35,808	35,808	35,808	35,808	35,808	35,808	250,659
Medical/Dental/Vision - Employee Withheld	(5,222)	(5,222)	(5,222)	(5,222)	(5,222)	(5,222)	(5,222)	(36,552)
Life/LTD/AD&D	1,500	1,500	1,500	1,500	1,500	1,500	1,500	10,500
Retirement Plan	23,633	21,346	23,646	22,884	24,688	23,891	24,688	164,776
Uniforms and Other Benefits	1,730	1,730	1,730	1,730	1,730	1,730	1,730	12,112
Total Benefits	74,901	70,924	74,925	73,600	76,526	75,147	75,992	522,016
Total Labor and Benefits	303,008	276,956	303,184	294,496	312,085	303,108	311,551	2,104,389

Budget vs Actual Variance - Fav/(Unfav)								
Wages & Salaries	26,318	(8,007)	8,496	355	(16,342)	2,755	7,352	20,927
Payroll Taxes - Employer Paid	2,432	380	859	575	(76)	520	44	4,734
Medical/Dental/Vision - Cost	1,261	6,514	3,566	3,686	(641)	3,648	3,648	21,682
Medical/Dental/Vision - Employee Withheld	(501)	(953)	(701)	(554)	(435)	(772)	(692)	(4,606)
Life/LTD/AD&D	83	83	138	(34)	(228)	(70)	(30)	(57)
Retirement Plan	2,998	1,316	1,592	1,361	1,001	1,596	1,726	11,591
Uniforms and Other Benefits	1,010	520	66	(1,008)	822	(29)	745	2,128
Total Benefits	7,284	7,860	5,522	4,026	443	4,894	5,442	35,472
Total Labor and Benefits	33,602	(147)	14,017	4,381	(15,899)	7,649	12,794	56,399

KERN DELTA WATER DISTRICT

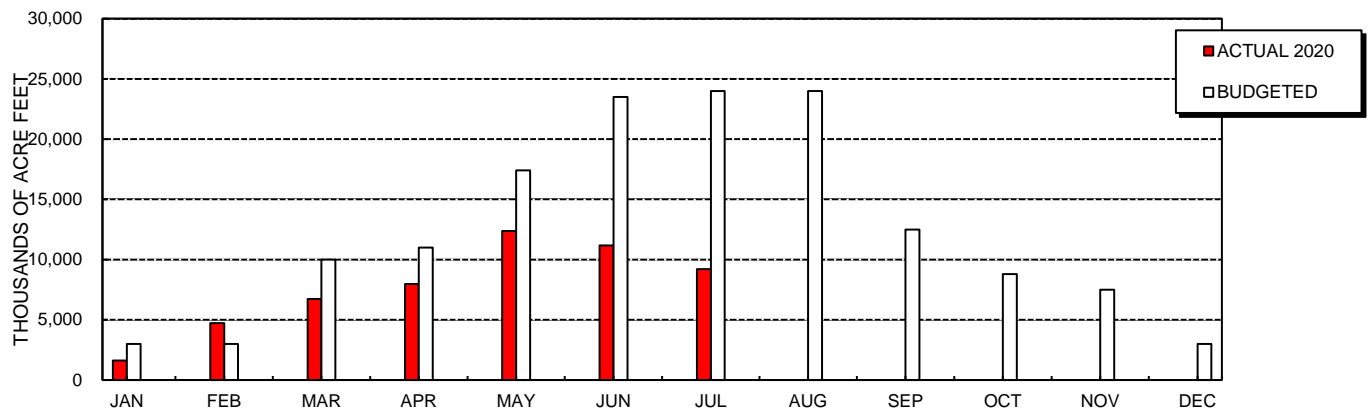
TREASURER'S REPORT

July 2022

	2022	2021	2020	2019
Cash & Securities on hand - July 1	\$ 21,899,505	\$ 22,282,634	\$ 21,561,908	\$ 16,907,394
Add: July receipts	416,899	553,942	815,871	1,138,945
Less: July disbursements	(846,813)	(450,649)	(589,057)	(677,981)
Cash & Securities on hand - July 31, 2022	\$ 21,469,590	\$ 22,385,926	\$ 21,788,722	\$ 17,368,359
Petty Cash \$ 500 Citizens Business Bank 528,641 Kern County Treasury 20,940,450 \$ 21,469,590				
Restricted Reserves:				
Restricted Reserve Fund - Water Resources Manager	\$ (300,000)	\$ (300,000)	\$ (300,000)	\$ (300,000)
Unrestricted Reserves:				
Pipeline Maintenance	(216,912)	(213,845)	(213,845)	(213,845)
Water Rights Protection & Litigation Reserve	(2,718,358)	(2,718,358)	(3,136,608)	(3,261,605)
2015-A COP Reserve Fund	(4,015,000)	(4,015,000)	(4,230,000)	(372,600)
Operating Reserve	(5,000,000)	(5,000,000)	(5,000,000)	
Capital Reserve	(2,000,000)	(2,000,000)	(2,000,000)	
Groundwater Program Reserve	(3,500,000)	(3,500,000)	(3,500,000)	
Total Reserves	\$ (17,750,271)	\$ (17,747,203)	\$ (18,380,453)	\$ (4,148,050)
Cash Available - July 31, 2022	\$ 3,719,320	\$ 4,638,724	\$ 3,408,269	\$ 13,220,309

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

	2021	2022										
	Actual (Accum- ulated)	Budgeted		Actual								
		Monthly	(Accum- ulated)	Monthly				Accumulated				% of Budget
				Utility	State	Contracts	Total	Utility	State	Contracts	Total	
JAN	3,757	3,000	3,000	1,503	0	113	1,617	1,503	0	113	1,617	54%
FEB	11,559	3,000	6,000	4,409	0	315	4,724	5,912	0	429	6,341	106%
MAR	20,811	10,000	16,000	6,352	0	379	6,731	12,264	0	808	13,072	82%
APR	30,829	11,000	27,000	7,568	0	394	7,962	19,832	0	1,202	21,034	78%
MAY	42,031	17,400	44,400	11,934	0	443	12,378	31,767	0	1,645	33,412	75%
JUN	54,986	23,500	67,900	10,784	0	392	11,176	42,551	0	2,037	44,588	66%
JUL	62,308	24,000	91,900	9,067	0	147	9,214	51,617	0	2,184	53,801	59%
AUG	66,834	24,000	115,900									
SEP	69,486	12,500	128,400									
OCT	71,544	8,800	137,200									
NOV	72,964	7,500	144,700									
DEC	74,086	3,000	147,700									



KERN DELTA WATER DISTRICT

Aged Accounts Receivable

Past Due Accounts

August 16, 2022

Account	Name	0-30 Days	31-60 Days	61-90 Days	Over 90 Days	Total Past Due
950	Garcia Family Trust	594.38	-	-	-	594.38
994	Giannelli Farms	663.75	389.39	-	-	1,053.14
4399	Watts, Jared & Douglas	2.27	2.24	2.20	146.93	153.64
5061	Kern Delta Co. LLC	193.28	-	-	-	193.28
5196	Hernandez, Alfredo	120.65	-	-	-	120.65
5199	Divine Co LLC	122.29	-	-	-	122.29
	OTHER	111.76	10.78	0.80	53.53	176.87
		1,808.38	402.41	3.00	200.46	2,414.25

**Kern Delta Water Banking Project
Balance Sheet
As of July 31, 2022**

	<u>07/31/2022</u>	<u>06/30/2022</u>	<u>Month-to-Month Variance</u>
Total Assets			
Current Assets			
Cash & Cash Equivalents	8,834,842	8,234,932	599,909
Due From MWD	0	1,036,742	(1,036,742)
Inventory and Prepaids	163,426	159,613	3,813
Total Current Assets	<u>8,998,268</u>	<u>9,431,287</u>	<u>(433,020)</u>
Fixed Assets			
All Structures	63,194,772	63,190,553	4,221
Machinery and Equipment	418,065	418,064	0
Less Accumulated Depreciation	<u>12,017,755</u>	<u>11,937,754</u>	<u>80,000</u>
Fixed Assets Net of Depreciation	<u>51,595,082</u>	<u>51,670,863</u>	<u>(75,779)</u>
Other Assets			
Investment in Sunset Banking Project	500,000	500,000	0
Total Other Assets	<u>500,000</u>	<u>500,000</u>	<u>0</u>
Total Assets	<u>61,093,350</u>	<u>61,602,150</u>	<u>(508,799)</u>
Total Liabilities & Equity			
Current Liabilities			
Trade Accounts Payable	38,412	13,928	24,484
Total Current Liabilities	<u>38,412</u>	<u>13,928</u>	<u>24,484</u>
Equity			
Capital Contributions From KDWD	8,890,130	8,890,130	0
Equity From Past Years	53,539,365	53,539,365	0
Accumulative Equity - Current Year	<u>(1,374,557)</u>	<u>(841,273)</u>	<u>(533,283)</u>
Total Equity	<u>61,054,938</u>	<u>61,588,222</u>	<u>(533,283)</u>
Total Liabilities & Equity	<u>61,093,350</u>	<u>61,602,150</u>	<u>(508,799)</u>

Kern Delta Water Banking Project
Cash Variance Analysis
July 31, 2022

Cash Received:

Received from MWD	1,036,742
Interest Received	19,861
	<u>1,056,603</u>

Cash Disbursed:

PG&E - Well Power	(409,216)
Weed Chemicals Purchased	(13,928)
Disbursements - Other	(16,459)
	<u>(439,602)</u>

FMV Adjustment to Kern County Funds	<u>(17,091)</u>
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Net positive/(negative) variance	599,909
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**Kern Delta Water Banking Project
Inventory/Prepays Variance Analysis
July 31, 2022**

Additions to Accounts:

Chemicals Purchased	8,797
	<hr/>
	8,797

Usage/Amortization:

Chemicals Consumed During Month	(4,984)
	<hr/>
	(4,984)

Net positive/(negative) variance	3,813
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Kern Delta Water Banking Project
Statement of Operating Results
As of July 31, 2022

	<u>Current Month</u>	<u>Year to Date</u>
REVENUE:		
MET Revenue	0	1,036,742
Interest Revenue	19,861	37,585
Total Revenue	<u>19,861</u>	<u>1,074,327</u>
EXPENSES		
Transfer and Exchange Fees		
TRF Fees	0	9,600
Total Transfer and Exchange Fees	<u>0</u>	<u>9,600</u>
Other Costs		
Power Cost - Wells	438,832	833,443
CVC Operating Costs	0	566,206
CVC Power Costs	0	3,104
Spreading OM&R	7,733	146,468
Wells OM&R and Other	9,488	60,740
FMV Adjustment	17,092	269,323
Depreciation	80,000	560,000
Total Other Costs	<u>553,145</u>	<u>2,439,284</u>
Total All Expenses	<u>553,145</u>	<u>2,448,884</u>
Favorable/(Unfavorable) Operating Results	<u>(533,284)</u>	<u>(1,374,557)</u>
Estimated 2nd Qtr Revenue - MWD		<u>2,000,000</u>
Estimated Fav/(Unfav) Operating Results		<u><u>625,443</u></u>

KERN DELTA WATER BANKING PROJECT

TREASURER'S REPORT

July

	2022	2021	2020	2019
Cash & Securities on hand - July 1, 2022	\$ 8,234,932	\$ 6,716,587	\$ 14,142,423	\$ 9,059,864
Add: July receipts	1,556,603	920,166	67,969	132,478
Less: July disbursements	(956,693)	(730,461)	(158,832)	(14,503)
Cash & Securities on hand - July 31, 2022	\$ 8,834,842	\$ 6,906,292	\$ 14,051,560	\$ 9,177,839
Citizens Business Bank	\$ 252,609			
Kern County Treasury	8,582,232			
	<u>\$ 8,834,842</u>			
Restricted Cash included in above:				
OM&R Spreading	\$ (143,831)	\$ (339,908)	\$ 802,808	\$ 584,913
OM&R Extraction	(659,450)	(555,119)	(50,616)	(137,772)
OM&R CVC/Delivery Canal	-	-	(3,066,450)	(3,206,664)
Take/Put Fees	(3,327,741)	(1,464,681)	(4,821,397)	(1,961,126)
Total Restricted	\$ (4,131,023)	\$ (2,359,708)	\$ (7,135,655)	\$ (4,720,649)
Cash Available for Construction - July 31, 2022	\$ 4,703,819	\$ 4,546,584	\$ 6,915,906	\$ 4,457,192

**Sunset Water Banking Project
Balance Sheet
As of July 31, 2022**

	Year To Date		Month-to-Month
	07/31/2022	06/30/2022	Variance
	Actual		
Assets			
Current Assets			
Cash & Cash Equivalents	246,694	253,492	(6,798)
Total Current Assets	246,694	253,492	(6,798)
Fixed Assets			
Construction in Progress	1,755,536	1,750,506	5,030
Total Fixed Assets at Cost	1,755,536	1,750,506	5,030
Net Fixed Assets	1,755,536	1,750,506	5,030
Total Assets	2,002,230	2,003,998	(1,768)
Liabilities & Equity			
Current Liabilities			
Trade Accounts Payable	0	0	0
Total Current Liabilities	0	0	0
Equity			
Contributions to Equity - KDWD	500,000	500,000	0
Contributions to Equity - KDWBP	500,000	500,000	0
Contributions to Equity - AEWS	1,000,000	1,000,000	0
Equity From Past Years	(930)	(930)	0
Accumulated Equity - Current Year	3,160	4,928	(1,768)
Total Equity	2,002,230	2,003,998	(1,768)
Total Liabilities & Equity	2,002,230	2,003,998	(1,768)

**Sunset Water Banking Project
Statement of Operating Results
As of July 31, 2022**

	<u>Current Month</u>	<u>Year to Date</u>
Revenue		
Interest Revenue	7	2,099
Total Revenue	7	2,099
Expenses		
Administrative Expense	1,775	1,776
FMV Adjustment	0	(2,837)
Total Expenses	1,775	(1,061)
Fav/(Unfav) Operating Results	<u>(1,768)</u>	<u>3,160</u>

SUNSET BANKING PROJECT

TREASURER'S REPORT

July

	2022	2021		
Cash & Securities on hand - July 1	\$ 253,492	\$ -		
Add: July receipts	7	-		
Less: July disbursements	(6,806)	-		
Cash & Securities on hand - July 31, 2022	\$ 246,694	\$ -	\$ -	\$ -
Citizens Business Bank 243,415				
Kern County Treasury 3,279				
\$ 246,694				
Unrestricted Reserves:				
None				
Total Reserves	\$ -	\$ -	\$ -	\$ -
Cash Available - July 31, 2022	\$ 246,694	\$ -	\$ -	\$ -

Tab IV





**OPERATIONS AND PROJECTS
COMMITTEE MEETING**

**501 Taft Highway
Bakersfield, CA**

**TUESDAY August 2, 2022
10:30 AM**

A G E N D A

- 1. Call to Order**
- 2. Public Comment Period**
- 3. Assistant General Manager's Report:**
 - a. Approve the minutes of the Operations and Projects Committee Meeting of June 7, 2022
 - b. Encroachment Permit Update
 - c. District Facility and Banking Maintenance Report
 - d. Water Banking Construction and Power Invoices
 - e. Pending Development Projects
 - f. SCADA Proposal
 - g. Sunset Basins Update
 - h. Old River Basins Update
- 4. Committee Comments**
- 5. Adjourn**

A handwritten signature in black ink that reads "Chris Bellue".

Chris Bellue
Assistant General Manager

Posted: Friday, July 29, 2022
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 OPERATIONS AND PROJECTS COMMITTEE
Tuesday, August 2, 2022

DIRECTORS PRESENT: Mendonca, Fanucchi and Spitzer

OTHERS PRESENT: From KDWD: General Manager Teglia, Water Resources Manager Mulkay, Assistant General Manager Bellue, District Counsel Iger, Hydrographer Hyatt, Operations Supervisor Bailey, and Administrative Assistant Rodriguez

CALL TO ORDER

Director Mendonca called the meeting to order at 10:36 A.M.

1. PUBLIC COMMENTS

None.

2. ASSISTANT GENERAL MANAGER'S REPORT:

- a. Approve minutes of the Operations and Projects Committee Meeting of June 7, 2022: M/S/C (Fanucchi/Spitzer) (yes-3, no-0): The Committee approved the minutes of the Operations and Projects Committee meeting held on June 7, 2022.
- b. Encroachment Permit Update: Mr. Bellue presented three encroachment requests, the first from PG&E to relocate overhead power on the Stine Canal at McCutchen Road. A second request was received from Chaddick Construction on the BV Canal to allow equipment access into a backyard. A third request was received from California Water Service to install underground water service on the Kern Island at N Street.
- c. District Facility and Banking Maintenance: Mr. Bellue discussed several items of note including repairing a cracked concrete pipeline on the Smith/Judd Extension. At the direction of the committee, staff is to contact the landowner associated with the concrete pipeline to discuss a possible Quitclaim of the Districts pipeline easement. Also discussed were the repair and upgrade options for the motor-grader sloper attachment. During the motor-grader discussion, the Committee and Staff discussed being more aggressive on weed control throughout the District. The repairs on Wells KB6 and KB4 wells by subcontractors was also discussed.
- d. Water Banking Construction and Power Invoices: M/S/C (Spitzer/Fanucchi) (yes-3, no-0): The Committee recommended the Board approve payment of Water Banking and Power Invoices totaling \$196,782.12 (plus additional PG&E well energy costs). See the attached August 2, 2022, Invoice and Disbursements memo to the Board for a full breakdown of the invoices.
- e. Pending Development Projects: Staff provided a status update of ongoing projects impacting District facilities.
- f. SCADA Proposal: Staff discussed installing SCADA stations at different locations throughout the District to obtain flow and depth information in real time. The Committee thought this was a good project for the District but requested Staff present the proposals at the next committee meeting.
- g. Sunset Basins Update: Staff provided a brief update on this item.
- h. Old River Basins Update: Staff provided a brief update on this item.

3. ADJOURN

Director Mendonca adjourned the meeting at 11:47 A.M.

Respectfully submitted,

Joey Mendonca – Interim Chair



To: Kern Delta Water District Board of Directors

From: Steven Teglia

Date: August 16, 2022

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: Stine Canal at McCutchen

Purpose: Overhead power

Anticipated Start Date: August 2022

Organization: Chaddick Construction

Location: BV Canal

Purpose: Equipment access to back yard

Anticipated Start Date: July 7, 2022

Organization: California Water Service

Location: Kern Island at N Street

Purpose: New installation of underground water service

Anticipated Start Date: August 2022

Maintenance Report

July 2022

1. **Structure and Turnout Repairs.** The following jobs were completed during the month;
 - a. Repair cracked 18-inch concrete pipeline on Smith/Judd Extension (Kern Delta Company, LLC property).
 - b. Repair stem on head gate of the Burness Ditch.
2. **Shop.** The following jobs were completed during the month;
 - a. Normal service and repairs on District vehicles and equipment.
 - b. Prepare pickup trucks for sale (#207, 210 and 212).
 - c. Repair window on truck #220.
 - d. Replace batteries on grader (#403).
 - e. Replaced brakes on #328, 218 and 215.
 - f. Replace axle seal on trailer T-12.
 - g. Sloper in shop for repairs (#403)
3. **District Wells.**
 - a. Monthly service and inspection of all District Wells to check dripper operation and clean well pads.
 - b. Managed subcontractor performing well repairs.
4. **Motor Grader # 403** The following canals were sloped and roads graded;
 - a. Sloping the Eastside Canal.
5. **Backhoe # 402** The following jobs were completed during the month;
 - a. Remove tumbleweeds and cleaning canals.
 - b. Assisted with the repair of 18-inch concrete line on the Smith Judd Extension
 - c. Used dipping bucket for algae and aquatics removal in the Eastside Canal.
 - d. Assisted in tree trimming on Central and Kern Island.
 - e. Repair wash out on lined section of Central Canal due to rodent activities.
6. **Backhoe # 404** The following jobs were completed this month;
 - a. Assist with homeless encampment cleanup.
7. **Weed Spraying.** The following canals were sprayed during the month;
 - a. Weeds were sprayed on Central and Stine Canals.
8. **Aquatic Treatments.** Treatments including surface spraying for algae mats and injection treatments for control of algae or vascular aquatic weeds;
 - a. Treatments were made this month on Kern Island, Central, Eastside and Buena Vista Canals.
9. **Rodent Control**
 - a. Bait Stations were filled throughout the district this month as needed.
 - b. Trenched and backfilled active rodent areas to prevent canal damage.
10. **Trash Removal.**
 - a. Daily cleaning of crossings, weirs, trash racks and screens on all canals running.

- b. Cleanup on Eastside Canal to remove debris from canal and banks; (Eastside at RR Weir was cleaned several times due to wood discarded from trains into canal by thieves).
 - c. Cleanup of homeless encampments on Central, Stine, and Kern Island.
11. **Fence Repairs.** Fences and Gates were repaired at the following locations;
- a. Kern Island – 30th St., 34th St., Columbus, Calcutta, California Ave.
 - b. Eastside – Williams, Panama Rd, Sterling, Columbus, and Panama Ln.
 - c. Branch 1 – White Ln, Trailer Park at HWY 99
 - d. Central - White Ln, Wilson, and Planz Rd.
 - e. Stine – Planz Rd. and White Ln
 - f. Farmers- Pacheco Rd.
12. **Safety Meetings.** Weekly tailgate safety topics were;
- a. Seven Common Accidents Causes.
 - b. Keep Hands Out of Harm's Way.
 - c. Hydration and It's Importance.
 - d. Grappler Safety Training.
 - e. Safe Driving Tips.
13. **District Quarterly Safety Meeting**
- a. Driving Defensively
14. **Water Banking Activities.** The following jobs were completed during the month;
- a. Weeds sprayed as needed by sub-contractors at basin properties.
 - b. Subcontractor changed out Well No. KB6 motor and sent in for upper-bearing repairs. Currently trouble shooting entrained air in discharge.
 - c. Subcontractor installed new bowls in Well No. KB4 and extended them 60' deeper. Currently trouble shooting entrained air in discharge.
 - d. Turned on AE3 due to power outage.
15. **Future Projects.** The following projects will be completed as time and scheduling permit:
- a. Trim and remove trees/brush as needed along canals for grader passage.
 - b. Install new turnout on 13 Ditch #3-6-22 to replace dilapidated box as soon as this area can be isolated and drained
 - c. Repair concrete panels on 15 Ditch damaged by auto accident.
16. **Future Water Banking Projects.**
- a. Install permanent staff gauges and signage in basins
 - b. Continue monitoring wells for efficiency and managing subcontractor performing well repairs.



Project #	Status	Organization	Project	Facility	Location	Plans		Approval Process		Comments
						Received	Reviewed	EP	Board	
1	P	AEWSD	FFP Inter-tie	Eastside Canal	South of Muller Road	-	-	X	-	Bid opened May 31st, 2022
2	P	AT&T	Install fiber crossing	Central Branch Canal	Panama Lane	X	X	X	-	Construction TBD
3	P	Cal Water	New water line crossing	13 Ditch	South of Shafter Rd	-	-	X	-	Bore completed. Waiting for temp line to be removed
4	P	DeWalt	Culvert Extension	Kern Island Main Canal	South of Hosking	X	P	-	X	Ongoing
5	P	KC Superintendent of Schools	Block Wall	East Branch Canal	Union Ave	-	-	-	-	Staff yet to receive plans
6	P	KDWD	Grading plan	Old River Basins	North of Taft Hwy	-	-	-	X	Design underway
7	P	KDWD	Pumps and pipeline(s)	Sunset Basins	North of Sunset Blvd	-	-	-	X	75% Plans under review
8	P	KDWD	Traveling Screens	Central Branch Canal	North of AE Intake Canal	-	-	-	X	IWS to refurbish screens
9	P	KDWD	Wells	Old River Basins	North of Taft Hwy	-	-	-	X	Addition of two wells for site
10	P	KDWD	Annual Engineering Report	N/A	N/A	-	-	-	-	Under review
11	P	Koosra Dairy	Solar Project	Central Branch Canal	West of Adobe Rd	-	-	-	X	No update
12	P	Lane Engineers	Culvert Extension	Kern Island Main Canal	North of Taft Hwy	X	P	-	X	Under review
13	P	Lane Engineers	Utility crossing	Kern Island Main Canal	North of Taft Hwy	X	P	X	-	Under review
14	P	Laurel Ag	New turnout	Eastside Canal	End of Eastside	X	P	X	-	Under review
15	P	LAV // Pinnacle	Pipeline & Realignment	Branch One Canal	South of Taft Hwy	-	-	-	X	Zeiders completed hydraulic review
16	P	McIntosh & Associates	Pipeline & Realignment	Section 31 Ditch	North of McCutchen	X	X	-	X	Under construction
17	P	McIntosh & Associates	Pipeline & Realignment	Branch II Canal	North of McKee	X	P	-	X	Zeiders completed hydraulic review
18	P	McIntosh & Associates	Wrought Iron Fencing	Branch One Canal	East of Hwy 99	X	X	X	-	Waiting for contractor insurance
19	P	McIntosh & Associates	Pipeline & Realignment	Stine Canal	West of Gosford	-	-	-	X	Tract Plans approved in 2009
20	P	McIntosh & Associates	Canal realignment	Stine Canal	North of McCutchen	X	P	-	X	Under review
21	P	Memorial	Solar Project	Eastside Canal	North of 34th Street	-	-	-	X	No update
22	P	Murray Family Farms	Install sign	Rim Ditch	North of Rim Ditch	X	-	-	-	Sign location appears to be outside canal easement
23	P	PG&E	Overhead Power	Central Branch Canal	South of Panama Lane	X	X	X	-	As of 1/13/2022, PG&E has not installed new crossing
24	P	PG&E	Bridge removal	Eastside Canal	North of 30th Street	-	-	-	X	No clear timeline to complete project from PG&E
25	P	PG&E	Undergrounding power, 34th St	Multiple	34th Street	X	X	X	-	Affects KI and ES Canals
26	P	Power Plus!	Temp Overhead Power	Central Branch Canal	Central near KD-02 Site	X	X	X	-	
27	P	Swanson Engineers	Branch One Easement	Branch One Canal	Planz Road	X	X	-	X	Easement update
28	P	WRMWS/KDWD	5G Tie-In	Buena Vista	North of S. Lake Rd	-	-	-	-	On going staff discussions
29	C	McIntosh & Associates	Culvert Extension	Eastside Canal	South of Redbank	X	X	-	X	Culvert Extension completed
30	C	Kern Oil Refining	Relocate vents	Central Branch Canal	Panama Lane	X	X	X	-	Relocation of existing vents
31	C	KDWD	Fencing	Banking Ponds	Romero, KI, B1 Basins	-	-	-	X	Board approved contract with Lamont Fence
32	C	KDWD	East Branch Canal Pipeline	East Branch Canal	South of Casa Loma	-	-	-	-	Busted pipeline
33	C	Watson AG/2B Farming	Canal crossing	Stine Canal	South of Taft Hwy	X	X	X	-	
34	C	Boswell	Well discharge	15 Ditch	Old River/I-5	-	-	-	-	Completed
35	C	KDWD	Grading plan	Sunset Basins	North of Sunset Blvd	X	X	-	X	Grading project completed
36	C	City of Bakersfield	SCADA Project	Multiple	Multiple	X	X	X	-	Completed 01/14/2022
37	C	City of Bakersfield	Multi-Use Path	23 Ditch	North of Pacheco Road	-	-	-	-	Completed in November 2021
38	C	DeWalt	Waterline/storm drain crossing	Kern Island Main Canal	South of Hosking	X	X	X	-	Completed in December 2021
39	C	Jacaranda Hood, LLC	Pipeline & Realignment	Branch One Canal	South of Hosking	X	X	-	X	Completed early January 2022
40	C	KDWD	Back lot re-paving	KDWD Office	501 Taft Hwy	-	-	-	-	Completed in December 2021
41	C	Porter and Associates	Grant Deed	Central Branch Canal	North of Panama Lane	X	X	-	X	Grant of easement in fee to KDWD
42	C	QK	Culvert Extension	Central Branch Canal	South of Panama Lane	X	X	-	X	Completed 12/31/2021

Tab V



KERN DELTA WATER DISTRICT

August 10, 2022

	8/10/2022	Last Year
KERN RIVER 3 DAY MEAN INFLOW	389 CFS	83 CFS
KERN RIVER MEAN OUTFLOW	353 CFS	185 CFS
ISABELLA RESERVOIR STORAGE	48,883 ACFT	58,535 ACFT
REQUESTED OUTFLOW	365 CFS	200 CFS

Estimated: (CFS)

KDWD DAILY DIVERTED: (AUGUST 10, 2022)	@HEAD	STATE	XCHNG	BANKING
KERN ISLAND	140	0	0	0
EASTSIDE	57	0	0	0
BUENA VISTA -LEVEE	0	0	0	0
STINE	0	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
Total CFS	197	0	0	0

Estimated: (Acre Feet)

DIVERTED (JULY 2022)	UTILITY	STATE	PURCHASE	BANKING
KERN ISLAND	12,327	0	0	0
EASTSIDE	2,370	0	0	0
C.O.B. Misc.	0	0	0	0
BUENA VISTA	0	0	0	0
STINE	0	0	0	0
FARMERS	0	0	0	0
SOUTH FORK	0	0	0	0
West Side State Sale	0	0	0	0
MONTHLY TOTAL	14,697	0	0	0
YEAR TO JULY 31, 2022	91,981 ACFT	0	0	0
Year to July 31, 2022 Utility - State - Banking	91,981 ACFT			

ACFT. STORAGE BALANCE AS OF:	7/31/2022	Estimate 8/10/2022	Max Storage
KERN ISLAND	2,215	2,847	2,500
BUENA VISTA	0	0	2,000
STINE	0	0	1,500
FARMERS	0	0	2,500
STATE (20) Carryover	0	0	N/A
STATE (21) Contract	0	0	N/A
RRBWSO STORAGE	18,805	18,805	N/A
PIONEER PROJECT STORAGE	23,285	23,285	N/A
TOTAL ACFT.	44,305	44,937	

K.D.W.D. CLIMATOLOGICAL OBSERVATION:

<u>69</u>	MINIMUM TEMPERATURE	<u>69</u>
<u>100</u>	MAXIMUM TEMPERATURE	<u>95</u>
<u>72</u>	PRESENT TEMPERATURE	<u>77</u>
<u>0.00</u>	PRECIPITATION - 24 HR. DAY	<u>0.00</u>
<u>0.00</u>	PRECIPITATION - MONTH	<u>0.78</u>
Seasonal <u>5.02</u>	YEAR TO DATE PRECIP.	<u>6.73</u> Seasonal

ISABELLA CLIMATOLOGICAL OBSERVATION:ISABELLA RESEVOIR:

LAKE ELEVATION (FT.)	2,531.21	JULY AC. FT. INFLOW	11,742
STORAGE ACFT.	48,883	JULY AC. FT. OUTFLOW	30,863
STORAGE CAPACITY	568,075	ACCUMULATIVE ACFT. INFLOW (20-21)	190,535
% OF CAPACITY	9%	ACCUMULATIVE ACFT. OUTFLOW	157,310
COE STORAGE CAPACITY	360,000	% OF COE CAPACITY	14%

Summary of Utility Water Diverted Year to Date: 7/31/2022

	Utility	North Kern*	Other Exchanges
January	4,709	0	0
February	7,597	0	0
March	14,910	0	0
April	14,178	0	0
May	17,790	1,000	0
June	18,099	0	0
July	14,698	0	0
August			
September			
October			
November			
December			
Total	91,981	1,000	0

Summary of Other Water Diverted Year to Date: 7/31/2022

	State	Purchase	Banking
January	0	0	0
February	0	0	0
March	0	0	0
April	0	0	0
May	0	0	0
June	0	0	0
July	0	0	0
August			
September			
October			
November			
December			
Total	0	0	0

Water owed to K.D.W.D as of: 7/31/2022

B.V.W.S.D. 2021 State Balance*:	1,275
2022 State Contract: Table A	1,275

Summary of Total State Water Used Year to Date: 7/31/2022

	(OWED)	(USED)
2022 Contract	1,275	0
Total	1,275	0

Quantities in acft. TOTAL 2,550

Net Owed to KDWD

TOTAL 1,275

Maximum Annual State Carryover Balance: 6,000 acre feet *Owed to KDWD on a mutually agreeable year.

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B-120 WATER SUPPLY FORECAST UPDATE SUMMARY

UNIMPAIRED FLOW FOR - June 2022

(Provisional data, subject to change)

Report generated: June 09, 2022 14:59

APRIL-JULY FORECAST UPDATE SUMMARY (IN THOUSANDS OF ACRE-FEET)									
DAYS OF MONTH		JUNE 07							
WATERSHED PERCENTILES		AJ VOL	% AVG	AJ VOL	% AVG	AJ VOL	% AVG	AJ VOL	% AVG
Shasta Lake, Total Inflow									Average = 1,767
90% Exceedance		780	44						
50% Exceedance		810	46						
10% Exceedance		860	49						
Sacramento River above Bend Bridge (near Red Bluff)									Average = 2,474
90% Exceedance		1,130	46						
50% Exceedance		1,180	48						
10% Exceedance		1,255	51						
Feather River at Oroville									Average = 1,710
90% Exceedance		895	52						
50% Exceedance		930	54						
10% Exceedance		1,000	58						
Yuba River near Smartsville									Average = 993
90% Exceedance		565	57						
50% Exceedance		590	59						
10% Exceedance		630	63						
American River below Folsom Lake									Average = 1,247
90% Exceedance		700	56						
50% Exceedance		725	58						
10% Exceedance		770	62						
Mokelumne River, Inflow to Pardee Reservoir									Average = 469
90% Exceedance		207	44						
50% Exceedance		215	46						
10% Exceedance		235	50						
Stanislaus River below Goodwin Res (blw New Melones)									Average = 699
90% Exceedance		290	41						
50% Exceedance		310	44						
10% Exceedance		330	47						
Tuolumne River below La Grange Res (blw Don Pedro)									Average = 1,222
90% Exceedance		520	43						
50% Exceedance		550	45						
10% Exceedance		590	48						
Merced River below Merced Falls (blw Lake McClure)									Average = 627
90% Exceedance		240	38						

APRIL-JULY FORECAST UPDATE SUMMARY (IN THOUSANDS OF ACRE-FEET)

50% Exceedance	250	40	
10% Exceedance	270	43	
San Joaquin River below Millerton Lake			Average = 1,229
90% Exceedance	505	41	
50% Exceedance	540	44	
10% Exceedance	580	47	

DAYS OF MONTH	JUNE 07									
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	435	36	
50% Exceedance	460	38	
10% Exceedance	495	41	
Kaweah River below Terminus Reservoir			Average = 276
90% Exceedance	79	29	
50% Exceedance	83	30	
10% Exceedance	90	33	
Tule River below Lake Success			Average = 56
90% Exceedance	9	16	
50% Exceedance	10	18	
10% Exceedance	11	20	
Kern River, Inflow to Lake Isabella			Average = 427
90% Exceedance	97	23	
50% Exceedance	105	25	
10% Exceedance	115	27	

- 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.

CONTACT INFORMATION			
FIRST NAME	LAST NAME	EMAIL	PHONE
Sean	de Guzman	Sean.deGuzman@water.ca.gov	(916) 572-2208
Andrew	Reising	Andrew.Reising@water.ca.gov	(916) 574-2181
Lauren	Alkire	Lauren.Alkire@water.ca.gov	(916) 574-1433
Anthony	Burdock	Anthony.Burdock@water.ca.gov	(916) 574-2637
Jacob	Kollen	Jacob.Kollen@water.ca.gov	(916) 574-2634

Archived Report Products:

(/index2022/06-07)



B-120 WATER SUPPLY FORECAST SUMMARY (CONTINUED)

UNIMPAIRED FLOW FOR - June 7, 2022

(Provisional data, subject to change)

Report generated: June 09, 2022 15:00

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		WY % AVERAGE
											90%	10%	
Trinity, Lewiston	215	51	57	65	66	27	7	1	0	490	479	515	37
Inflow to Shasta	1,395	232	229	261	215	173	161	152	142	2,960	2,915	3,030	52
Sacrament, Bend	2,087	318	308	376	329	260	215	190	188	4,270	4,200	4,400	51
Feather, Oroville	1,320	252	343	444	271	130	85	69	61	2,975	2,935	3,055	69
Yuba, Smartville	669	109	164	270	218	80	22	12	11	1,555	1,525	1,600	68
American, Folsom	782	139	216	348	273	93	11	3	4	1,869	1,840	1,918	70
Cosumnes, Michigan Bar	129	20	19	39	19	5	1	0	0	232	229	239	60
Mokelumne, Pardee	159	34	57	91	95	26	2	0	0	465	457	486	61
Stanislaus, Goodwin	217	52	88	131	121	50	8	2	1	670	647	693	57
Tuolumne, La Grange	332	61	112	200	232	100	18	4	1	1,061	1,027	1,105	54
Merced, McClure	139	32	61	107	104	32	7	1	0	482	471	505	48
San Joaquin, Millerton	296	71	120	186	215	107	32	12	6	1,044	1,007	1,090	59
Kings, Pine Flat	148	41	81	163	189	83	26	12	8	750	720	790	45
Kaweah, Terminus	33	11	20	34	35	10	3	1	1	149	145	158	35
Tule, Success	16	4	6	6	3	1	0	0	0	36	35	38	27
Kern, Isabella	54	16	21	33	38	23	11	8	6	210	200	225	31

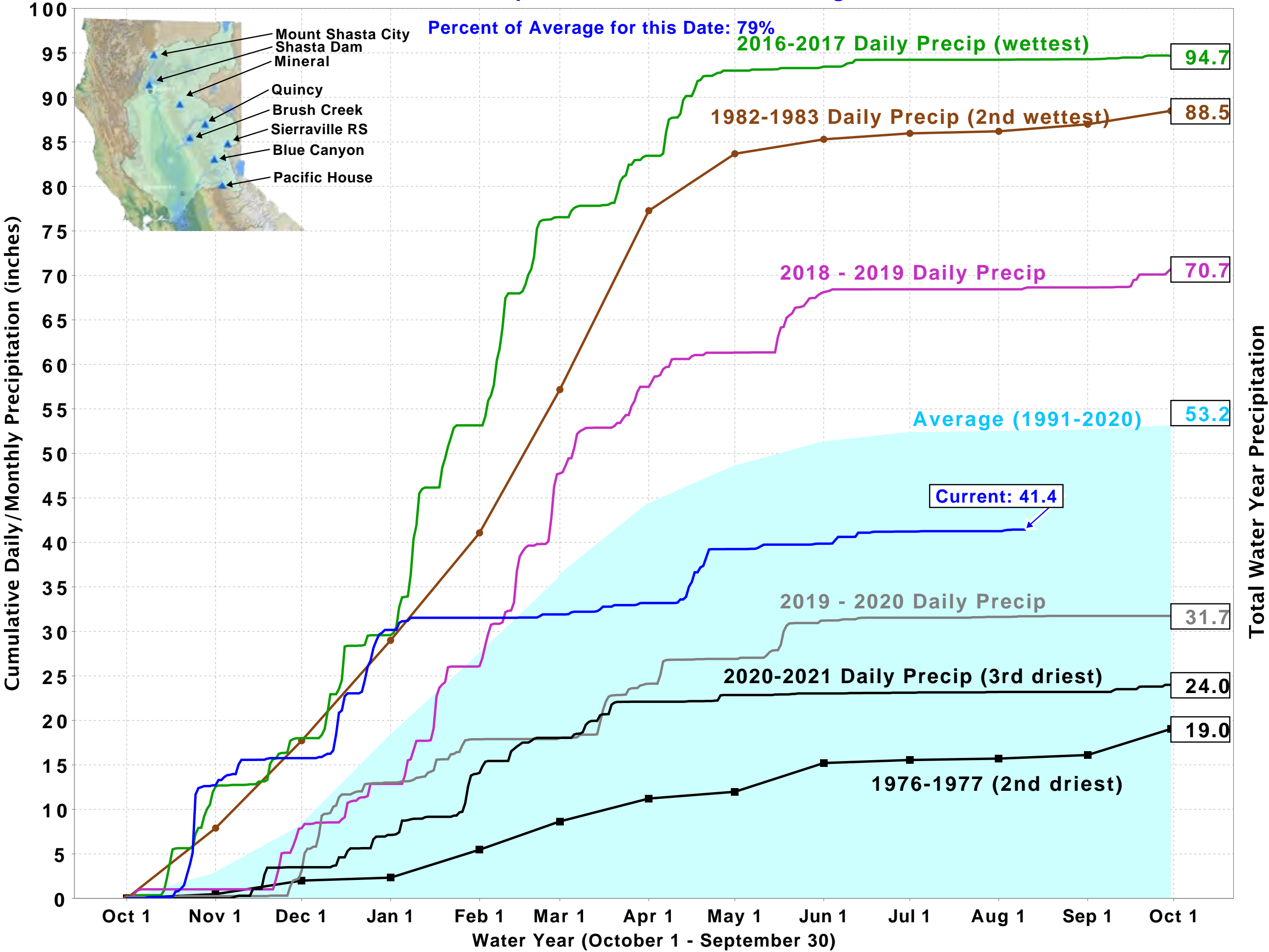
NOTES

- 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.
- Groundwater changes due to human activity are not considered. Forecasted runoff assumes median conditions subsequent to the date of forecast. Runoff probability ranges are statistically derived from historical data.
- The 80% probability range is comprised of the 90% exceedance level value and the 10% exceedance level value.
- The actual runoff should fall within the stated limits eight times out of ten.

CONTACT INFORMATION

FIRST NAME	LAST NAME	EMAIL	PHONE
Sean	de Guzman	Sean.deGuzman@water.ca.gov	(916) 572-2208
Andrew	Reising	Andrew.Reising@water.ca.gov	(916) 574-2181
Lauren	Alkire	Lauren.Alkire@water.ca.gov	(916) 574-1433
Anthony	Burdock	Anthony.Burdock@water.ca.gov	(916) 574-2637
Jacob	Kollen	Jacob.Kollen@water.ca.gov	(916) 574-2634

Northern Sierra Precipitation: 8-Station Index, August 10, 2022



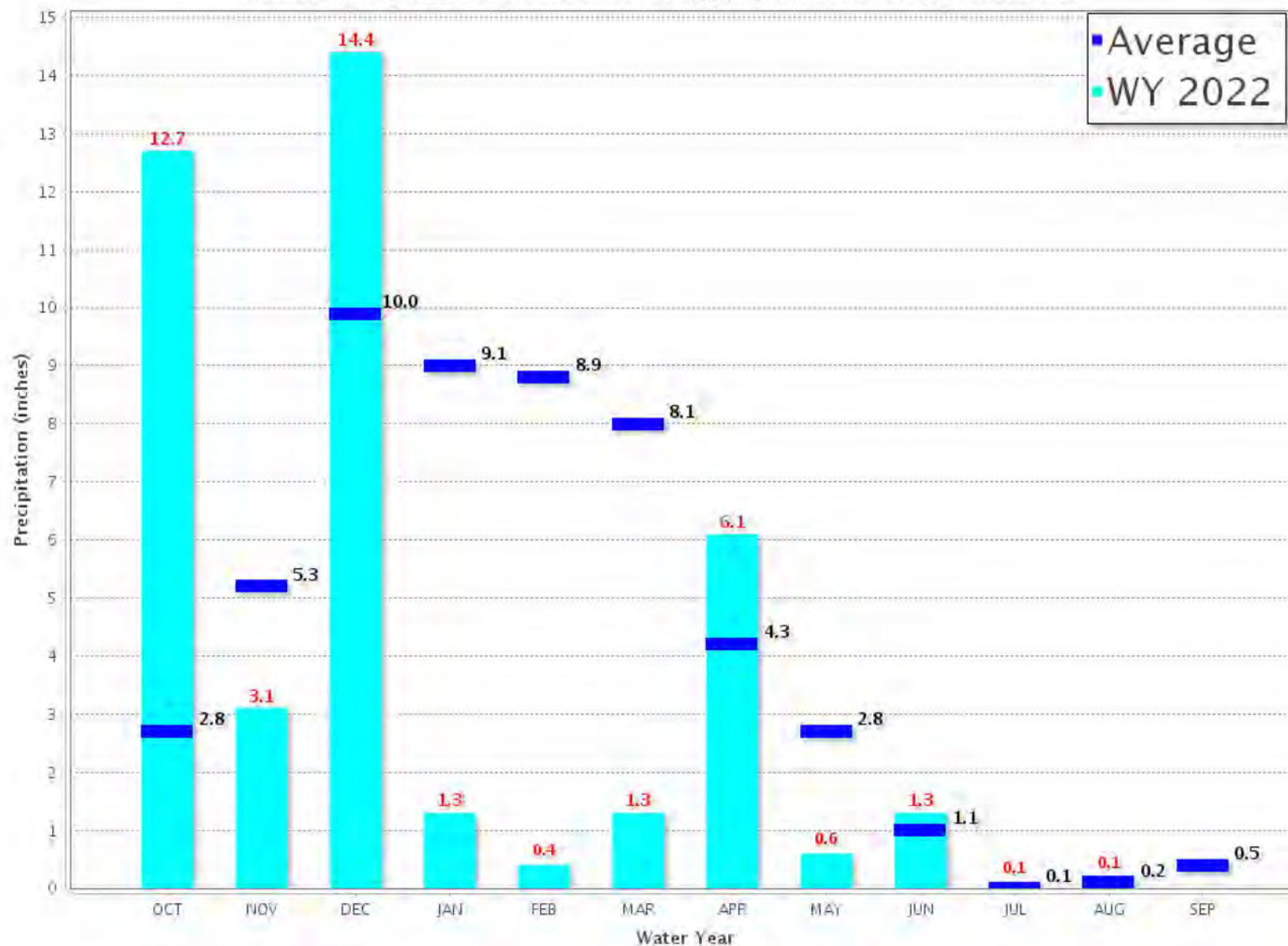


Northern Sierra 8-Station

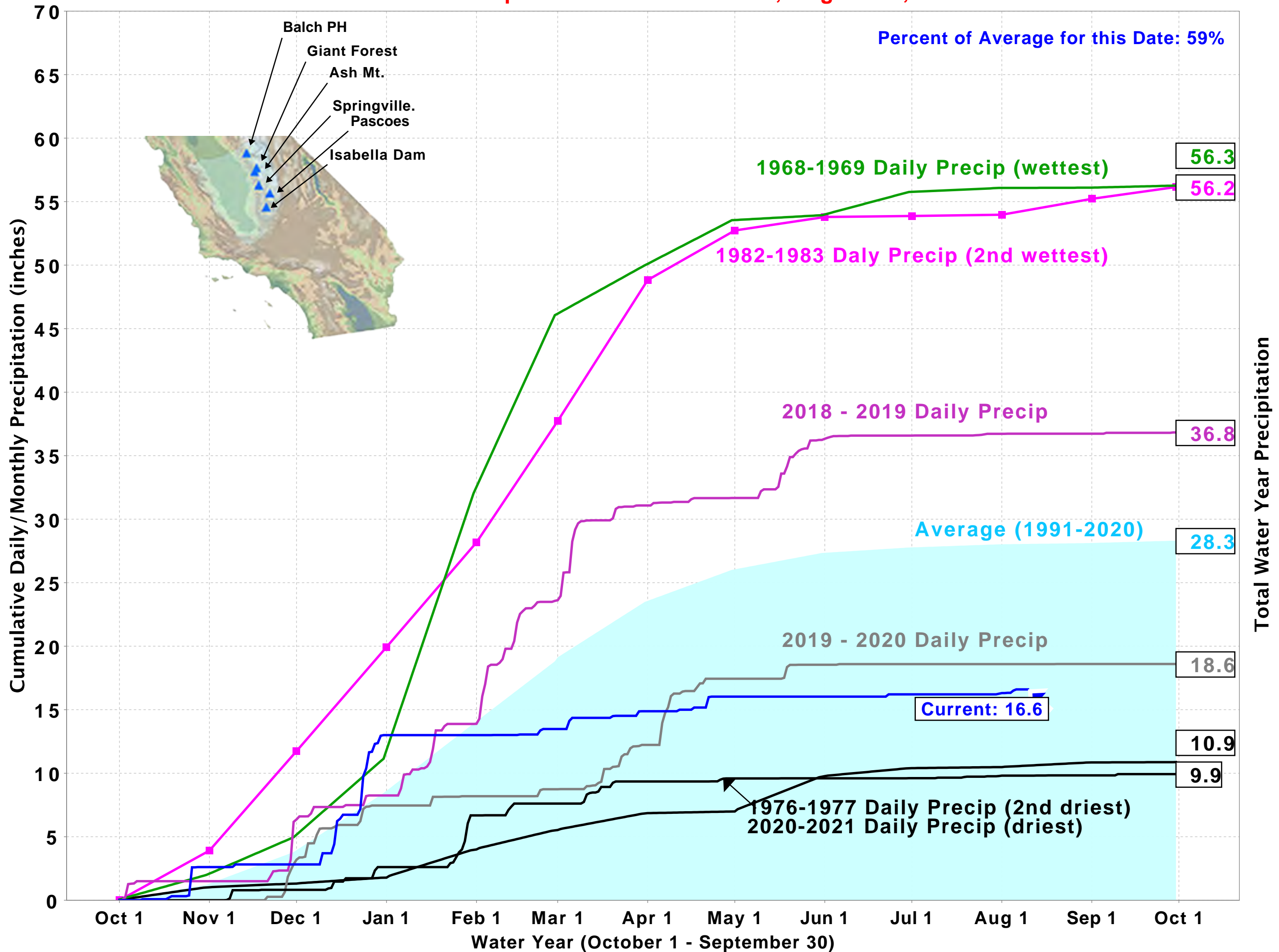
Precipitation Index for Water Year 2022 – Updated on August 10, 2022 09:50 PM

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, August 10, 2022



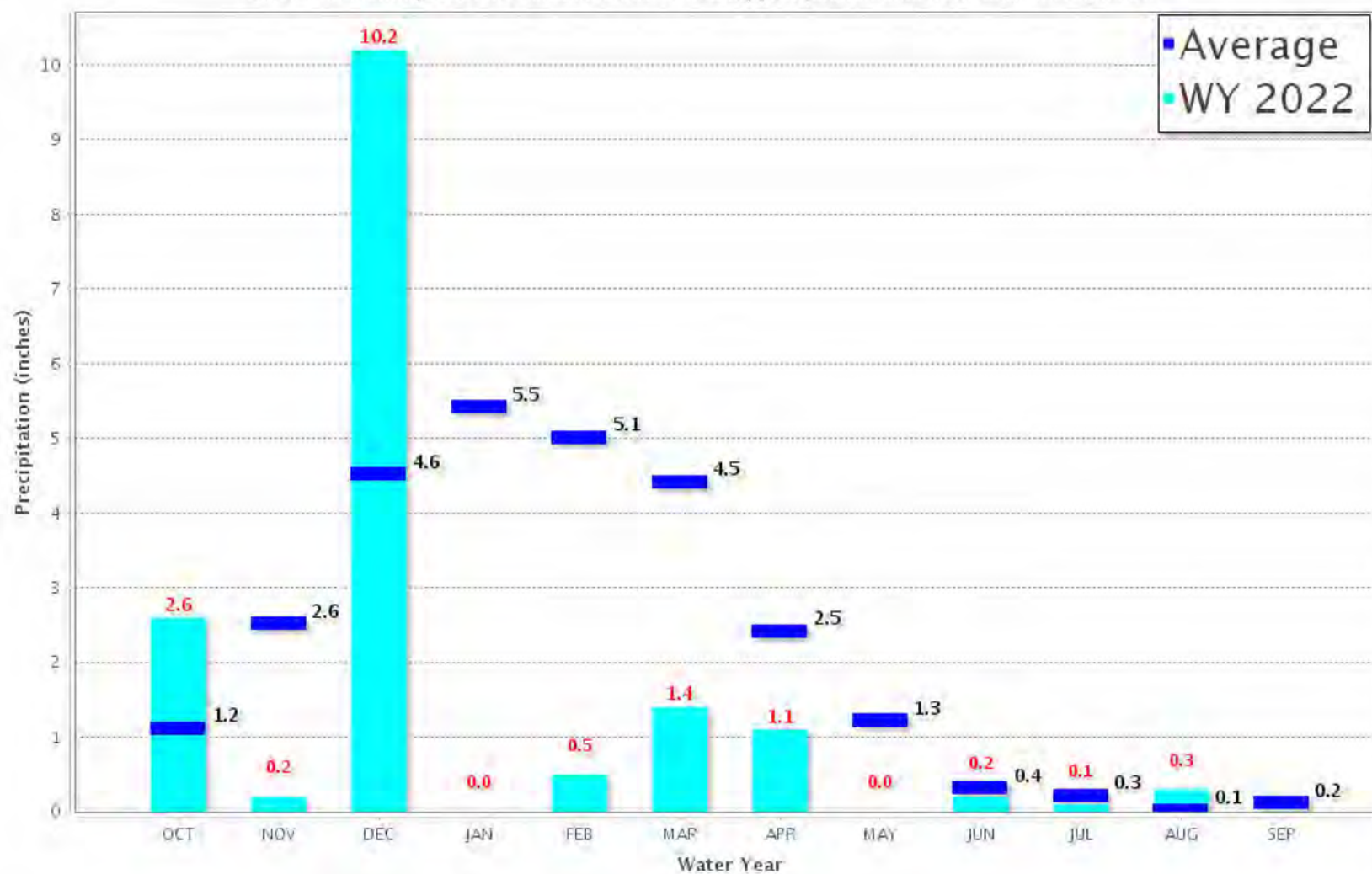


Tulare Basin 6-Station

Precipitation Index for Water Year 2022 – Updated on August 10, 2022 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





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, 2022	
Number of Stations Reporting	29
Average snow water equivalent (Inches)	0.4
Percent of April 1 Average (%)	2
Percent of normal for this date (%)	16

CENTRAL

Data as of June 13, 2022	
Number of Stations Reporting	45
Average snow water equivalent (Inches)	0.0
Percent of April 1 Average (%)	0
Percent of normal for this date (%)	0

SOUTH

Data as of June 13, 2022	
Number of Stations Reporting	25
Average snow water equivalent (Inches)	0.0
Percent of April 1 Average (%)	0
Percent of normal for this date (%)	0

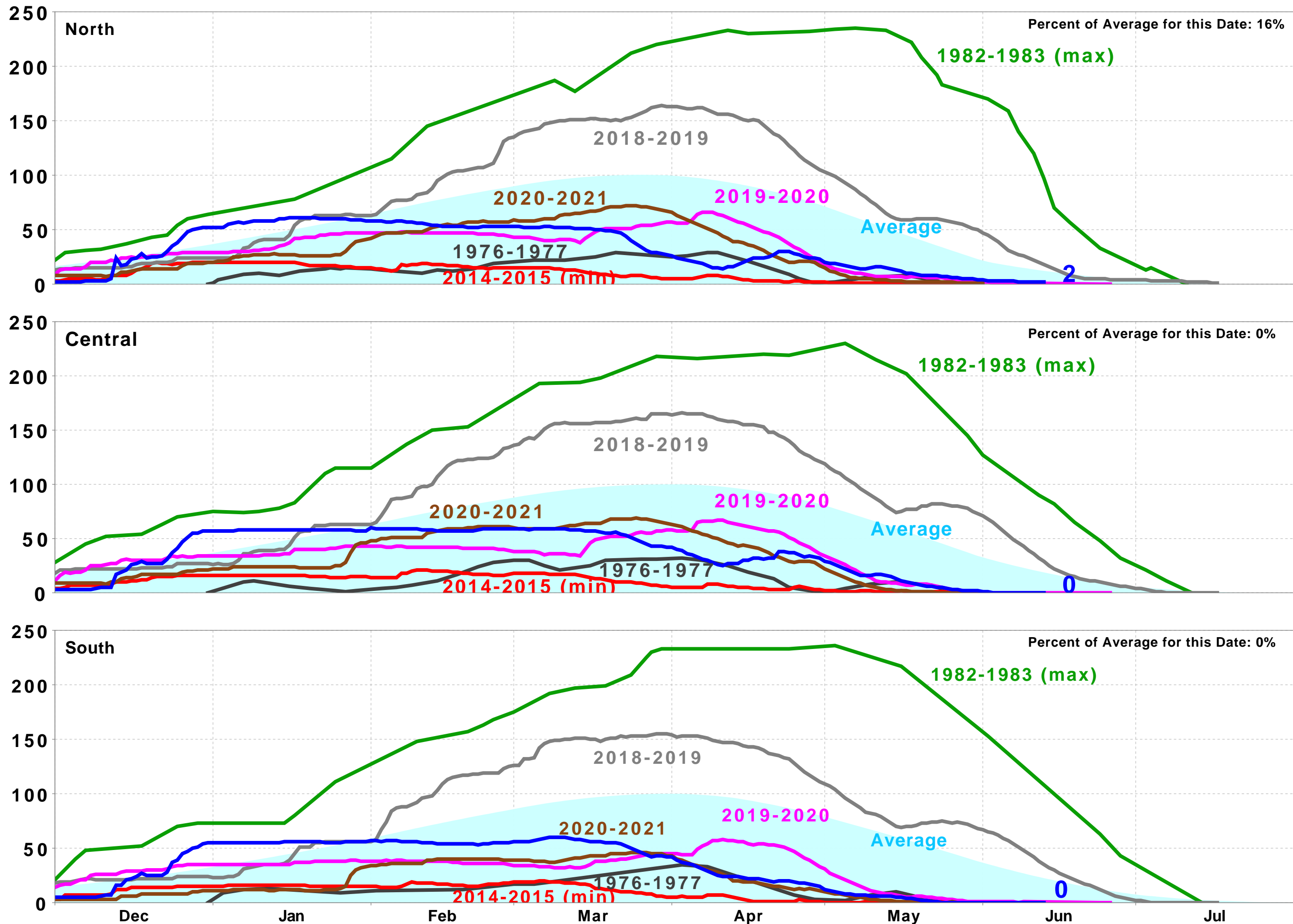
STATE

Data as of June 13, 2022	
Number of Stations Reporting	99
Average snow water equivalent (Inches)	0.1
Percent of April 1 Average (%)	0
Percent of normal for this date (%)	0

Statewide Average: 0% / 0%

Data as of June 13, 2022

California Snow Water Content, June 13, 2022, Percent of April 1 Average



Statewide Percent of April 1: 0%

Statewide Percent of Average for Date: 0%

U.S. Drought Monitor California

August 9, 2022

(Released Thursday, Aug. 11, 2022)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	99.77	97.52	45.81	16.53
Last Week <i>08-02-2022</i>	0.00	100.00	99.78	97.47	59.81	12.12
3 Months Ago <i>05-10-2022</i>	0.00	100.00	99.86	95.14	59.81	0.00
Start of Calendar Year <i>01-04-2022</i>	0.00	100.00	99.30	67.62	16.60	0.84
Start of Water Year <i>09-28-2021</i>	0.00	100.00	100.00	93.93	87.88	45.66
One Year Ago <i>08-10-2021</i>	0.00	100.00	100.00	95.07	88.37	47.10

Intensity:

 None	 D2 Severe Drought
 D0 Abnormally Dry	 D3 Extreme Drought
 D1 Moderate Drought	 D4 Exceptional Drought

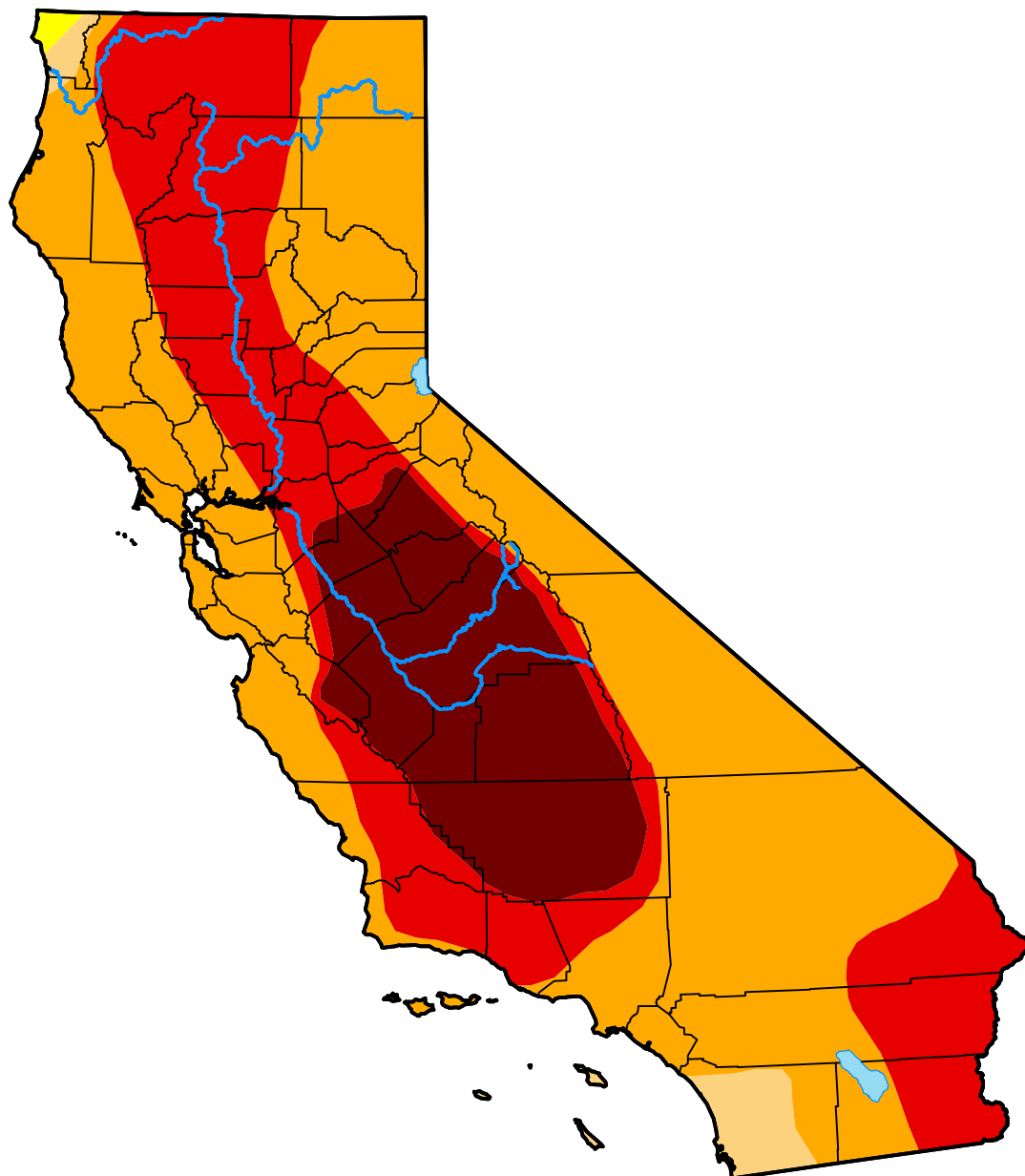
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

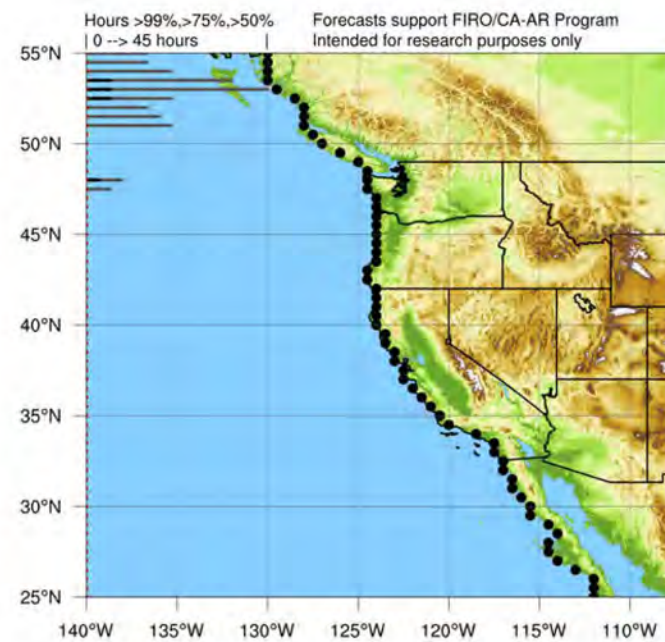
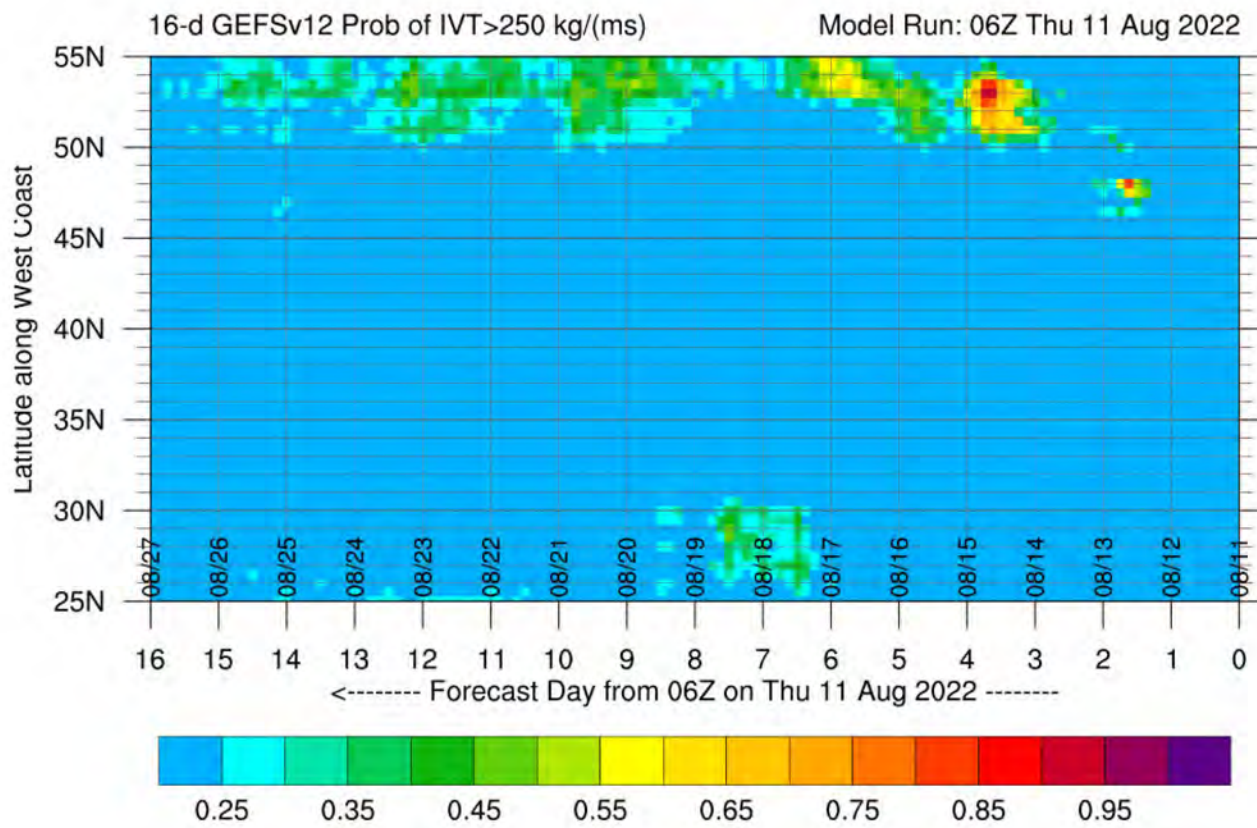
Author:

Richard Tinker
CPC/NOAA/NWS/NCEP



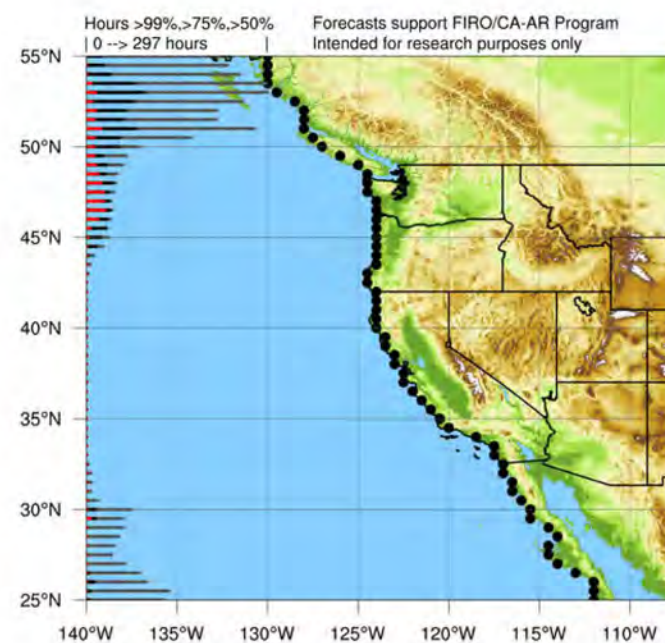
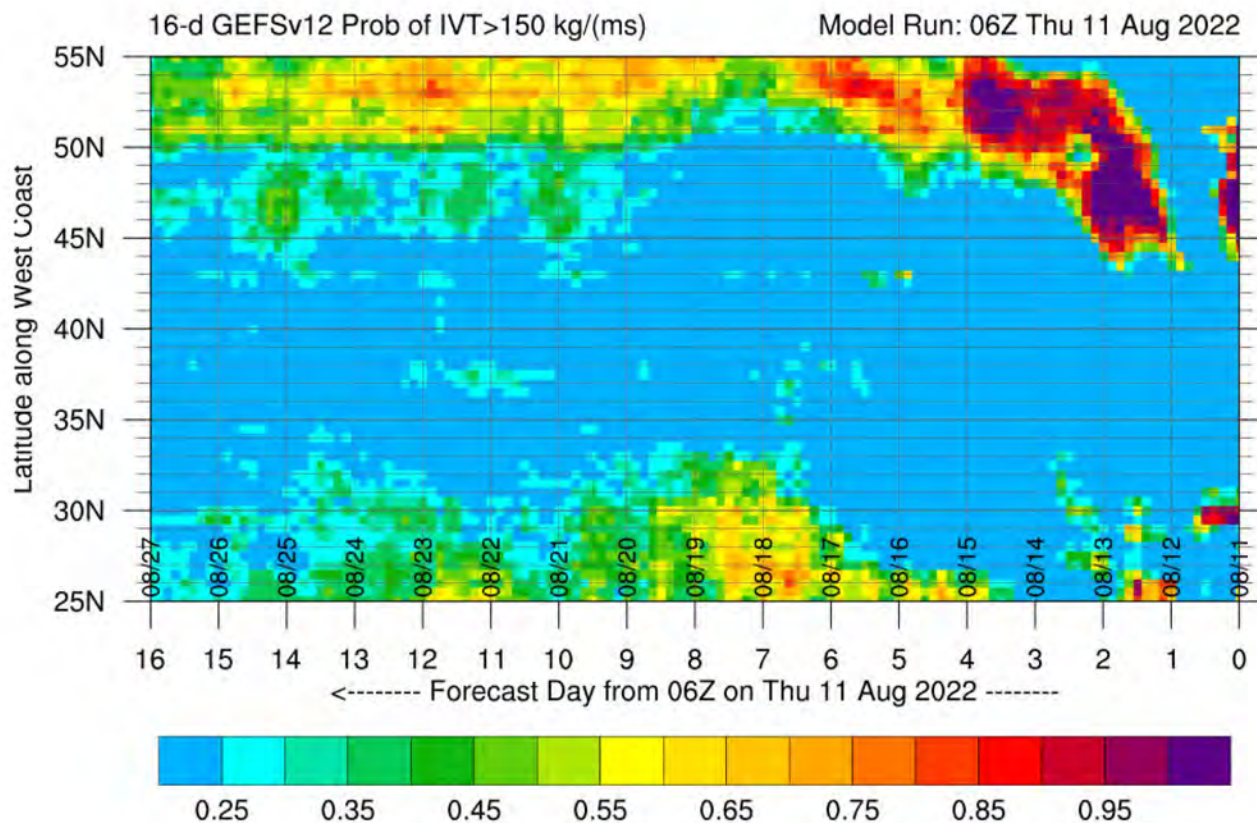
droughtmonitor.unl.edu





Center for Western Weather
and Water Extremes
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AT UC SAN DIEGO



KERN RIVER WATERMASTER

mark@kernriverwm.org

661-333-6981

August 9, 2022

To: Kern River Interests

From: L. Mark Mulkay
Kern River Watermaster

RE: Report of Recent Activities

This is the August 9, 2022, Kern River Watermaster Report. I continue to meet and communicate with City staff and Scott Kuney regarding the daily operations of Isabella and the River.

Isabella Dam Safety Modification Project – The COE August 2022 Situation Report is attached for your review and information. Work on the Main Dam and Service Spillway continue with 86.4% completion and 88.4% respectively. The Service Spillway completion date has slipped to the end of September. The Labyrinth Weir should be completed by the end of November.

The next meeting of the Kern River Interests with the COE is scheduled for 9:30 am, August 23, 2022.

Runoff and Operations – Summer temperatures have been extremely hot this month and prior to last week, inflow into Isabella dropped to below 100 cfs. The summer monsoons have helped this past week and the instantaneous inflow spiked to above 800 cfs for a very short time. Attached is the August 8, 2022, Tulare Basin Precipitation 6-Station Index. The Index increased slightly from 16.2 to 16.6 inches of precipitation for the water year and increased 1% to 59% of Average for this date. The COE B120 Update forecast remained steady at 21% to 25% (50% Exceedance) April-July flow for the Kern River and 31% for the Water Year. Also attached is a four-month Daily Lake Isabella Inflow Analysis (with actuals through July 12) that compares the last four months with the same period of other similar years. You will notice the spike that occurred over the past few days. It appears that the spike is decreasing quickly.

Public Outreach – I responded to several public inquiries this month. Most of the questions revolved around dry conditions and water conservation.

Watermaster Records – City Central Records continue to maintain daily records of the Kern River.

Aerial Snow Observatory – I reached out to Thomas Painter (ASO, Inc.) on July 20, 2022, and had a brief discussion regarding ASO's progress. As a result of that call, a video call was held on July 28th that included David Rizzardo (DWR), Thomas Painter (ASO, Inc.), Art (City), Rem (North Kern WSD), and me. David outlined DWR's funding for this year's Ariel Remote Snow Sensing (ARSS). It appears that the Kern Basin will be included this year and the "Snow Off" flight will be completed along with one or two additional flights and forecast modeling. August 4, 2022, the Kern River Interests met to discuss the ARSS and possible local funding. I am working on setting an additional meeting with David and Thomas for all the Kern River Interests to meet and discuss the project.

Attachments:

- COE Isabella Situation Report, August 2022
- Tulare Basin Precipitation: 6-Station Index, August 8, 2022
- Daily Lake Isabella Inflow Analysis, August 2022



ISABELLA LAKE, CA CONSTRUCTION

U.S. ARMY CORPS OF ENGINEERS

BUILDING STRONG.

Location & Description

Isabella Lake Dam (consisting of a Main Dam, Auxiliary Dam and service spillway) is located about 40 miles northeast of Bakersfield in Kern County, California, and became fully operational in 1953. The Main Dam is located near the confluence of the north and south forks of the Kern River and the Auxiliary Dam is located about half a mile east of the Main Dam. The Main Dam is a 185-foot-high earth-fill dam, and the Auxiliary Dam is a 100-foot-high earth-fill dam. The service spillway is located between the two dams. The reservoir (Isabella Lake) has a gross storage capacity of 568,075 acre feet.

August 2022



Advisory

- USACE has established enhanced protocols to ensure the safety of our employees and our partners, and to take necessary precaution to prevent the spread of COVID-19.
- The Phase II Dams and Spillways contractor continues construction activities. As a result, the site including Engineers Point is an active construction area and is off limits to the public.
- Corps policy prohibits public operation of unmanned aircraft systems, such as drones, on or above federal lands and waters managed by USACE. The policy is intended to ensure critical infrastructure security and public safety.

Looking Ahead Next 30+ days)

- Emergency Spillway total excavation is complete with few weir and abutment walls concrete placements remaining. See photo above for current progress of the Emergency Spillway.
- Labyrinth Weir at 96.5% completion with 10 of 12 cycles complete. Target for completion is projected in November 2022.
- Main Dam and Service Spillway work continues with 86.8% completion and 88.4% respectively. Service Spillway is projected for completion by end of September 2022.
- Auxiliary Dam is 95% complete overall.
- The Sacramento District Real Estate office is working toward property acquisition for the US Forest Service Visitor Center.

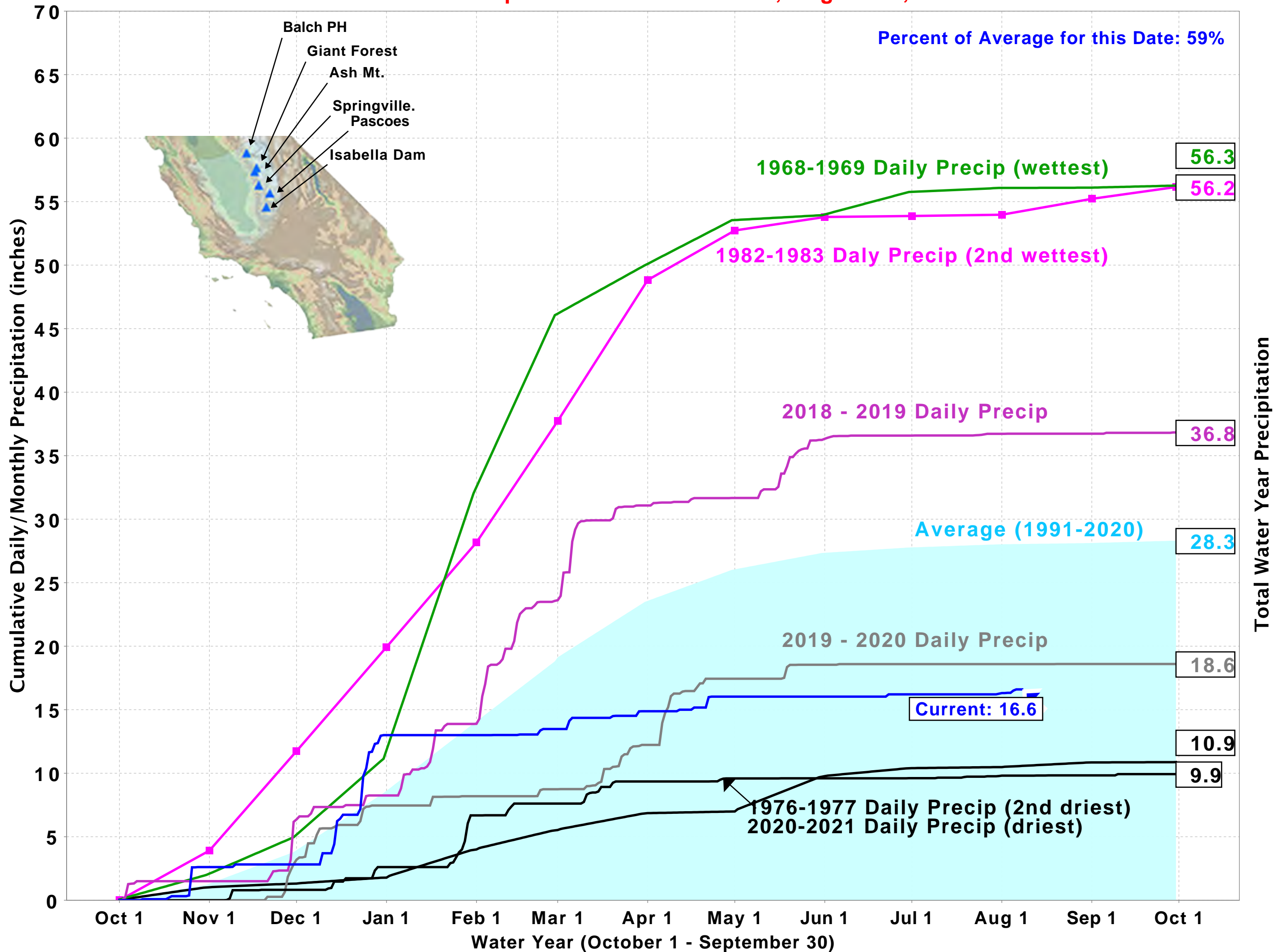
Current Lake Status (as of August 2, 2022)

The current pool resides at 48,858 acre-feet (elevation 2,536 feet-IPD), which is 13% of restricted pool and 28% of flood conservation pool.

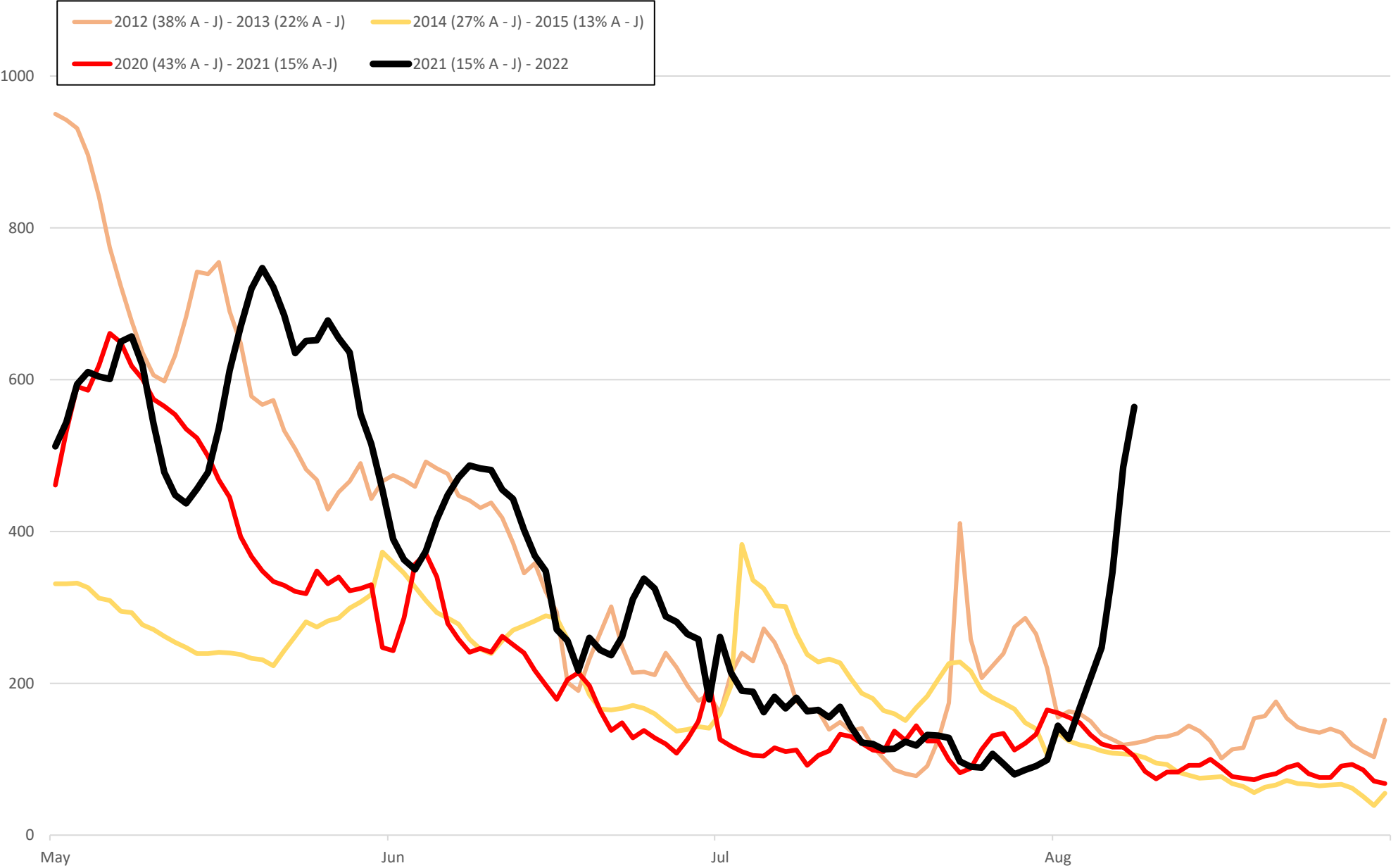
As part of our interim risk reduction measures, Isabella Lake is restricted to 361,250 acre-feet (elevation 2,585.5 feet-IPD) outside of flood season. During flood season (~November-March), flood conservation pool is restricted to 170,000 acre-feet (elevation 2,560.4 feet-IPD). Current lake status can be viewed at https://www.spk-wc.usace.army.mil/plots/california_new.html?name=isb&year=2022&interval=d&tab=plot&window=wy

Milestones	
Pre-Construction Engineering and Design	Complete
Construction of USFS Fire Station and Admin Facilities	Complete
U.S. Forest Service Visitor's Information Center	In Planning
Permanent Operations Facilities	2023
Dams and Spillways Construction	2018-2022

Tulare Basin Precipitation: 6-Station Index, August 08, 2022

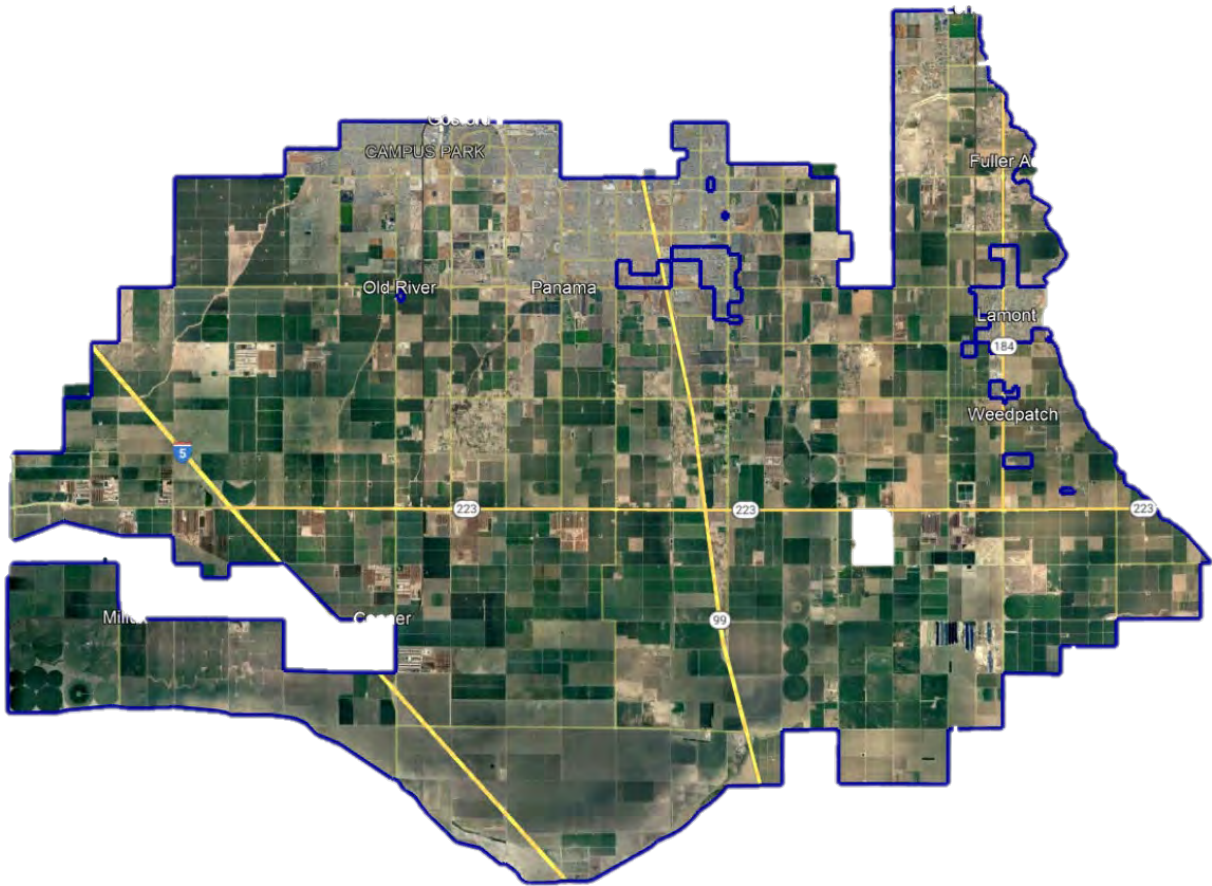


Daily Lake Isabella Inflow Analysis (CFS Days)

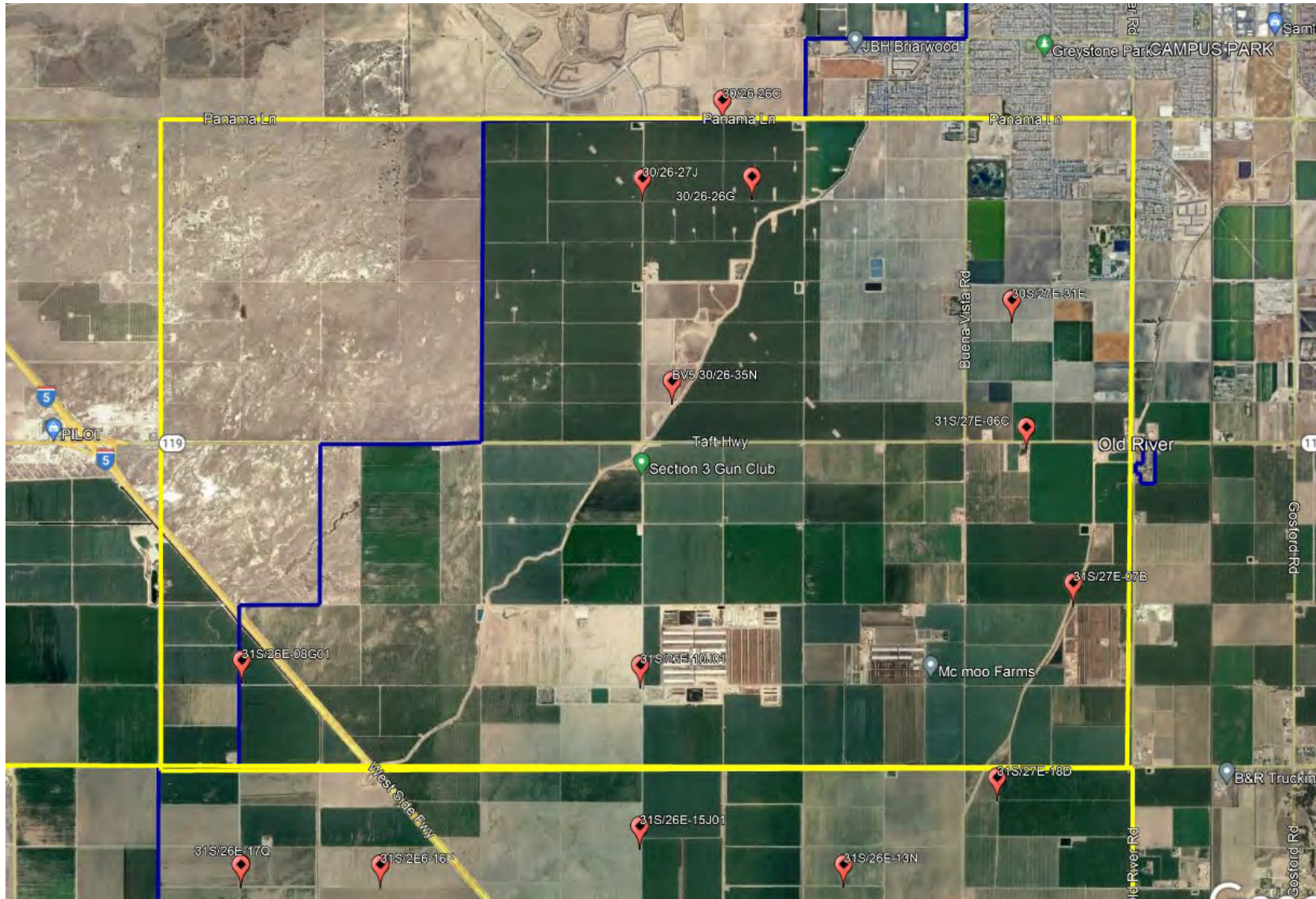




Monthly Groundwater Report



AUGUST 2022



2022

Northwest Quadrant		JAN 2018	JAN 2019	JAN 2020	JAN 2021	JAN 2022	FEB 2022	MAR 2022	APR 2022	MAY 2022	JUN 2022	JUL 2022	AUG 2022	SEP 2022	OCT 2022	NOV 2022	DEC 2022	HIGH	LOW	AVERAGE
	30/26-26C	190	R	204	G	G	G	G	G	G	G	G	215					215	190	203
	30/26-26G	197	R	199	G	G	G	G	G	G	G	G	220					220	197	205
	30/26-27J	198	R	210	G	G	G	G	G	G	G	G	213					213	198	207
	30/26-35N	181	184	171	169	185	179	187	191	200	R	R	226					226	169	187
	30/27-31E	181	202	219	201	224	223	220	222	R	R	248	R					248	181	216
	31/26-08G	168	NR	204	205	200	R	200	202	168	244	R	R					244	168	199
	31/26-10J	170	202	NR	203	205	200	203	201	R	R	R	R					205	170	198
	31/27-06C	NR	208	215	203	215	212	212	214	R	236	230	249					249	203	219
	31/27-07B	199	R	200	NR	235	236	235	222	234	240	NR	264					264	199	229
	AVERAGE	186	199	203	196	211	210	210	209	201	240	239	231					240	186	211
Northwest District Maximum Depth to Water																		264		
Northwest District Minimum Depth to Water																		168		
Northwest District Average Depth to Water																		208		

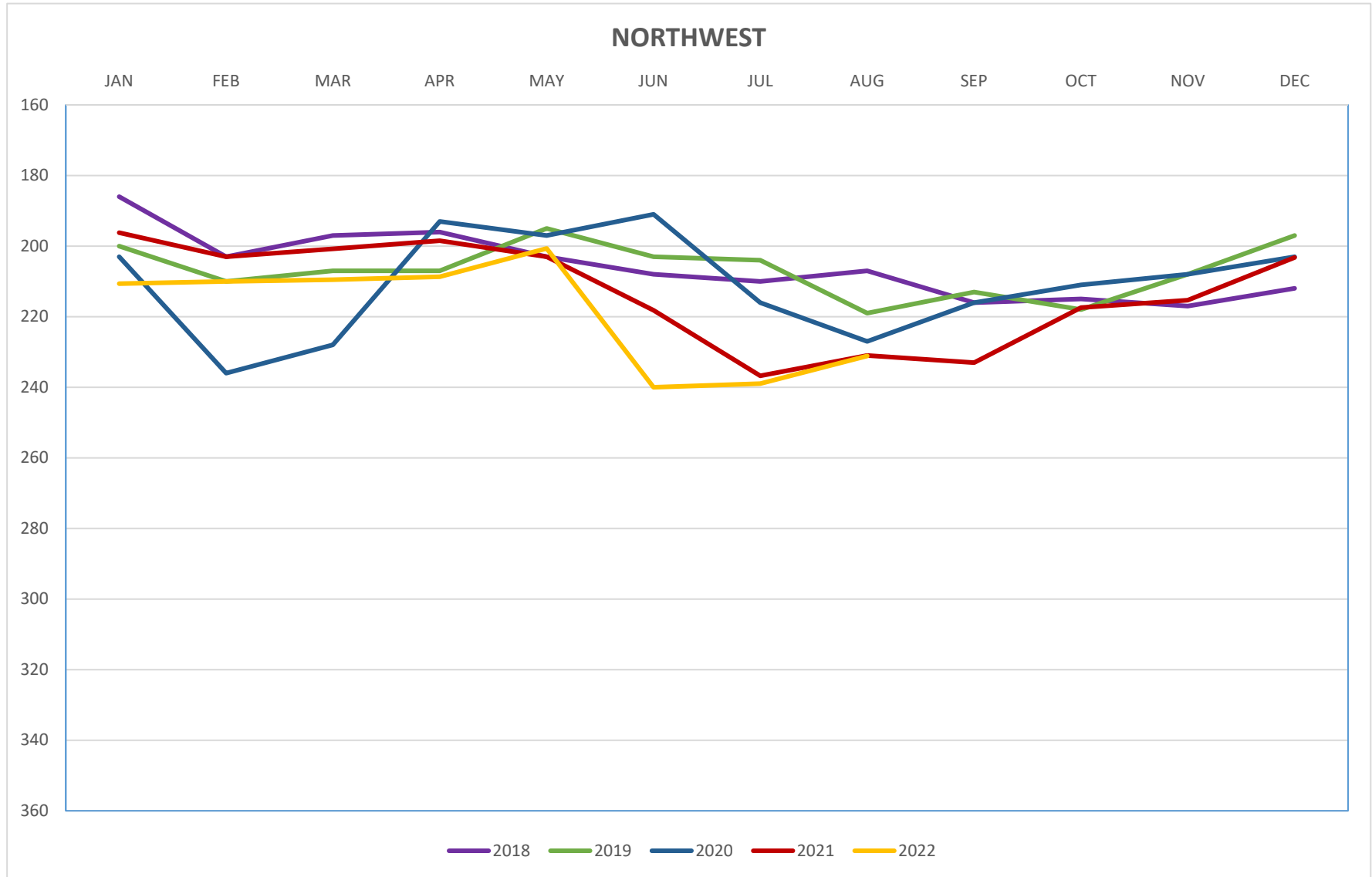
G = gated well, unable to access

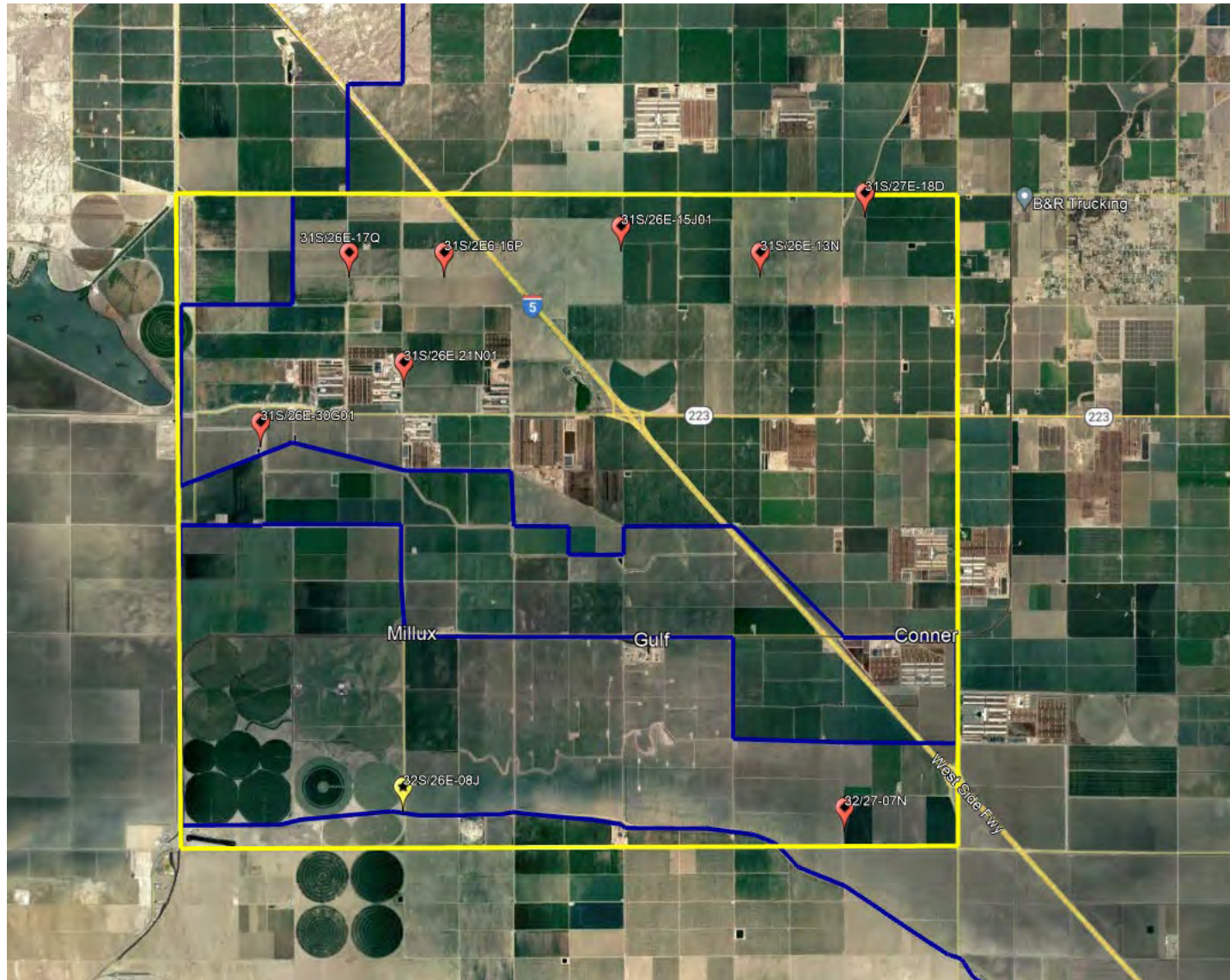
R = running well, no measurement taken

NR = temporary 'no reading', no measurement taken

yellow shading = inactive well

2022





2022

		JAN 2018	JAN 2019	JAN 2020	JAN 2021	JAN 2022	FEB 2022	MAR 2022	APR 2022	MAY 2022	JUN 2022	JUL 2022	AUG 2022	SEP 2022	OCT 2022	NOV 2022	DEC 2022	HIGH	LOW	AVERAGE
Southwest Quadrant	31/26-13N	180	201	NR	NR	206	216	200	222	R	R	R	R					222	180	204
	31/26-15J	168	205	NR	201	205	214	200	205	R	R	300	248					300	168	216
	31/26-16P	168	207	204	202	200	200	216	201	214	200	201	R					216	168	201
	31/26-17Q	NR	210	203	219	202	218	210	206	231	R	R	R					231	202	212
	31/26-21N	175	238	204	204	228	217	224	217	214	300	R	R					300	175	222
	31/26-30G	159	240	268	203	234	200	230	201	239	R	R	R					268	159	219
	31/27-18D01	NR	206	201	203	222	210	221	R	R	261	288	R					288	201	227
	32/26-08J	189	215	209	212	200	NR	208	206	210	209	209	201					215	189	206
	32/27-07N	NR	200	288	200	201	169	201	180	199	220	247	258					288	169	215
	AVERAGE	173	214	225	206	211	206	212	205	218	238	249	236					249	173	216
	Southwest District Maximum Depth to Water																	300		
	Southwest District Minimum Depth to Water																	159		
	Southwest District Average Depth to Water																	214		

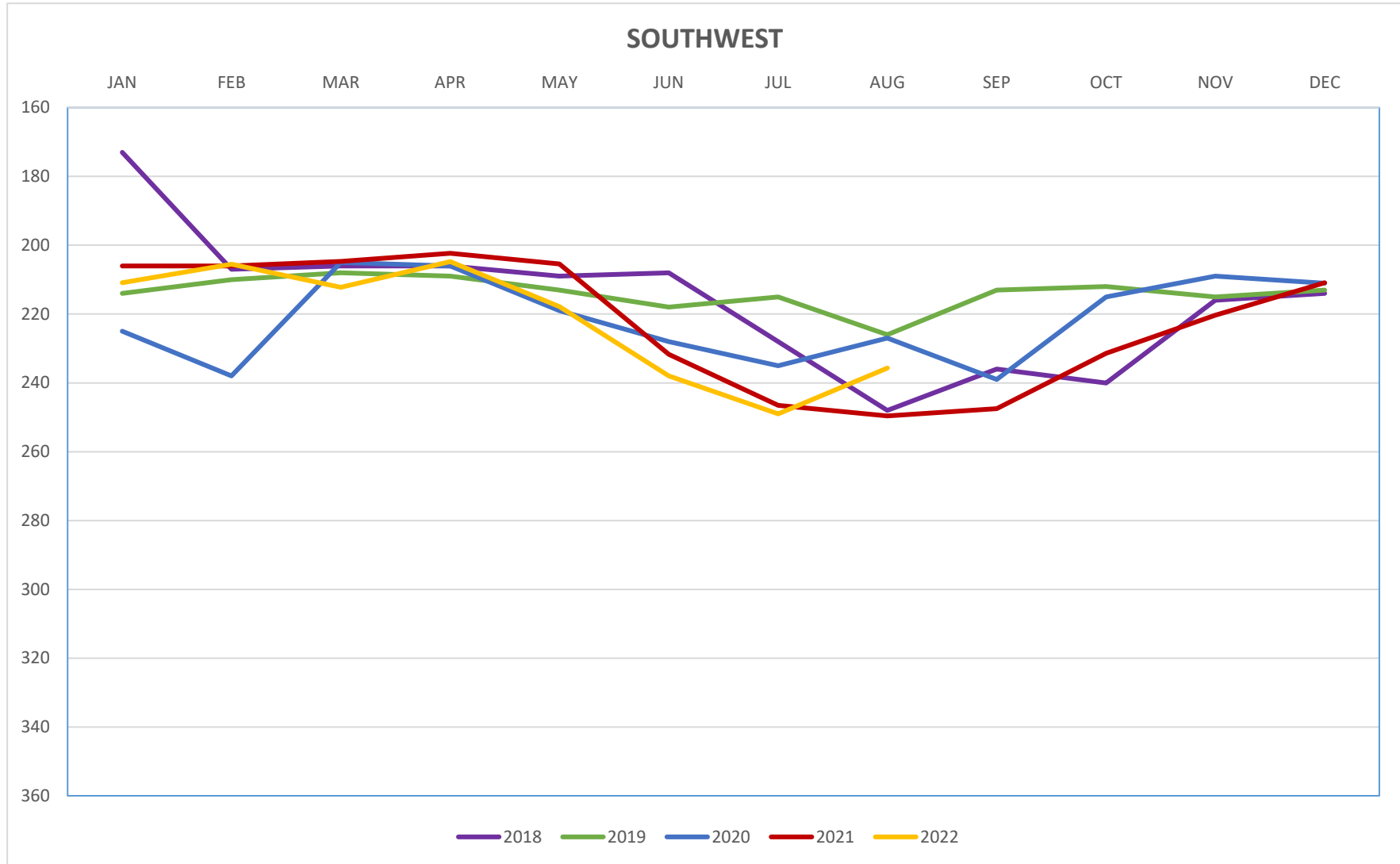
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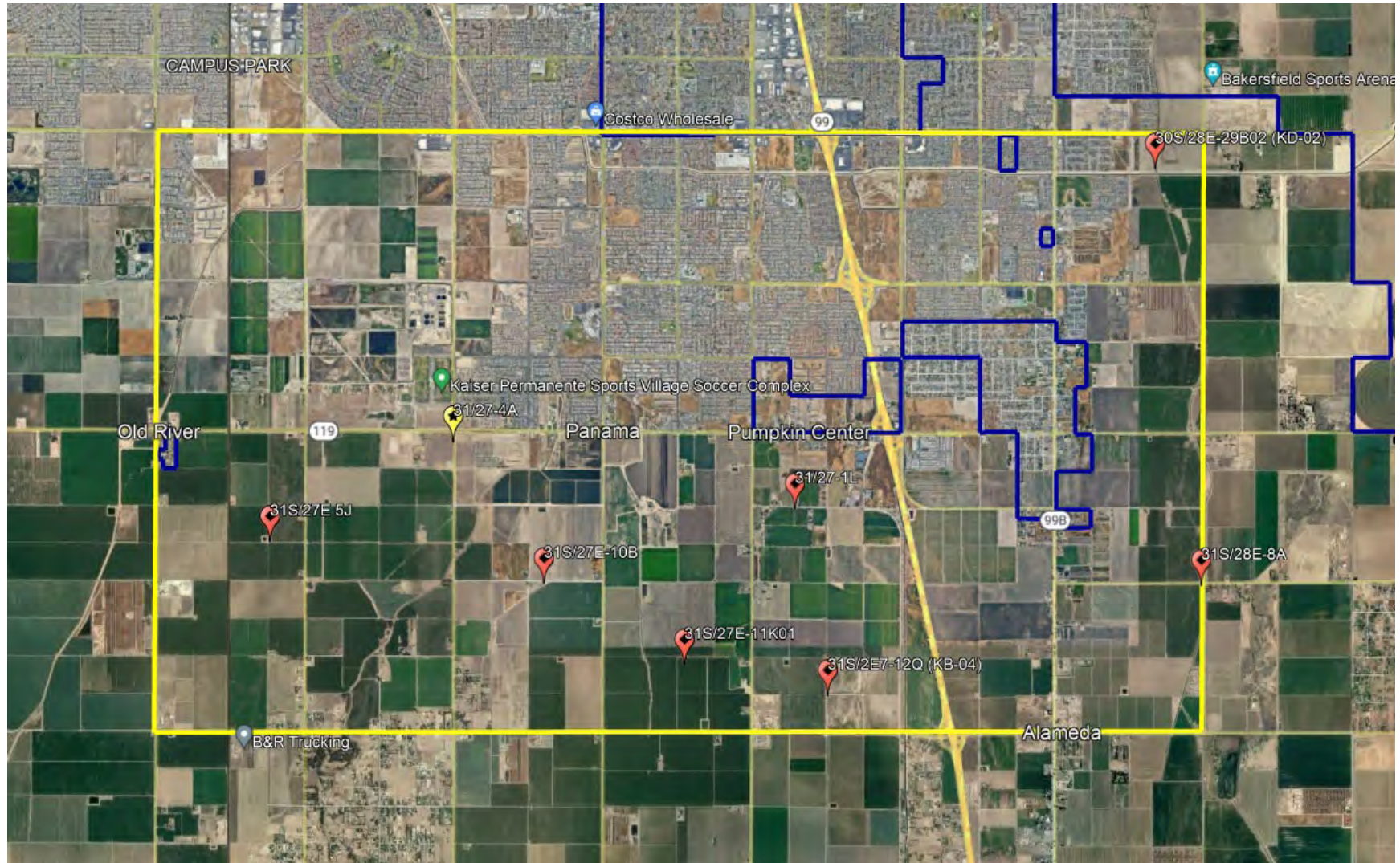
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2022





2022

North-Central Quadrant		JAN 2018	JAN 2019	JAN 2020	JAN 2021	JAN 2022	FEB 2022	MAR 2022	APR 2022	MAY 2022	JUN 2022	JUL 2022	AUG 2022	SEP 2022	OCT 2022	NOV 2022	DEC 2022	HIGH	LOW	AVERAGE
	30/28-29B	236	243	229	225	231	233	230	237	241	R	R	R					243	225	234
	31/27-01L	260	220	232	219	170	170	175	216	220	233	R	253					260	170	215
	31/27-04A	176	183	184	179	182	180	180	184	186	190	189	196					196	176	184
	31/27-05J	200	NR	228	207	230	231	236	233	239	R	R	R					239	200	226
	31/27-10B	NR	NR	208	208	210	211	210	R	R	R	R	R					211	208	209
	31/27-11K	170	330	227	333	225	234	222	220	180	184	R	280					333	170	237
	31/27-12Q	140	140	139	141	174	179	177	163	164	R	NR	R					179	139	157
	31/28-08A	220	243	244	249	264	235	260	248	260	R	R	R					264	220	247
	AVERAGE	200	227	211	220	211	209	211	214	213	202	189	243					243	189	213
North-Central District Maximum Depth to Water																		333		
North-Central District Minimum Depth to Water																		139		
North-Central District Average Depth to Water																		213		

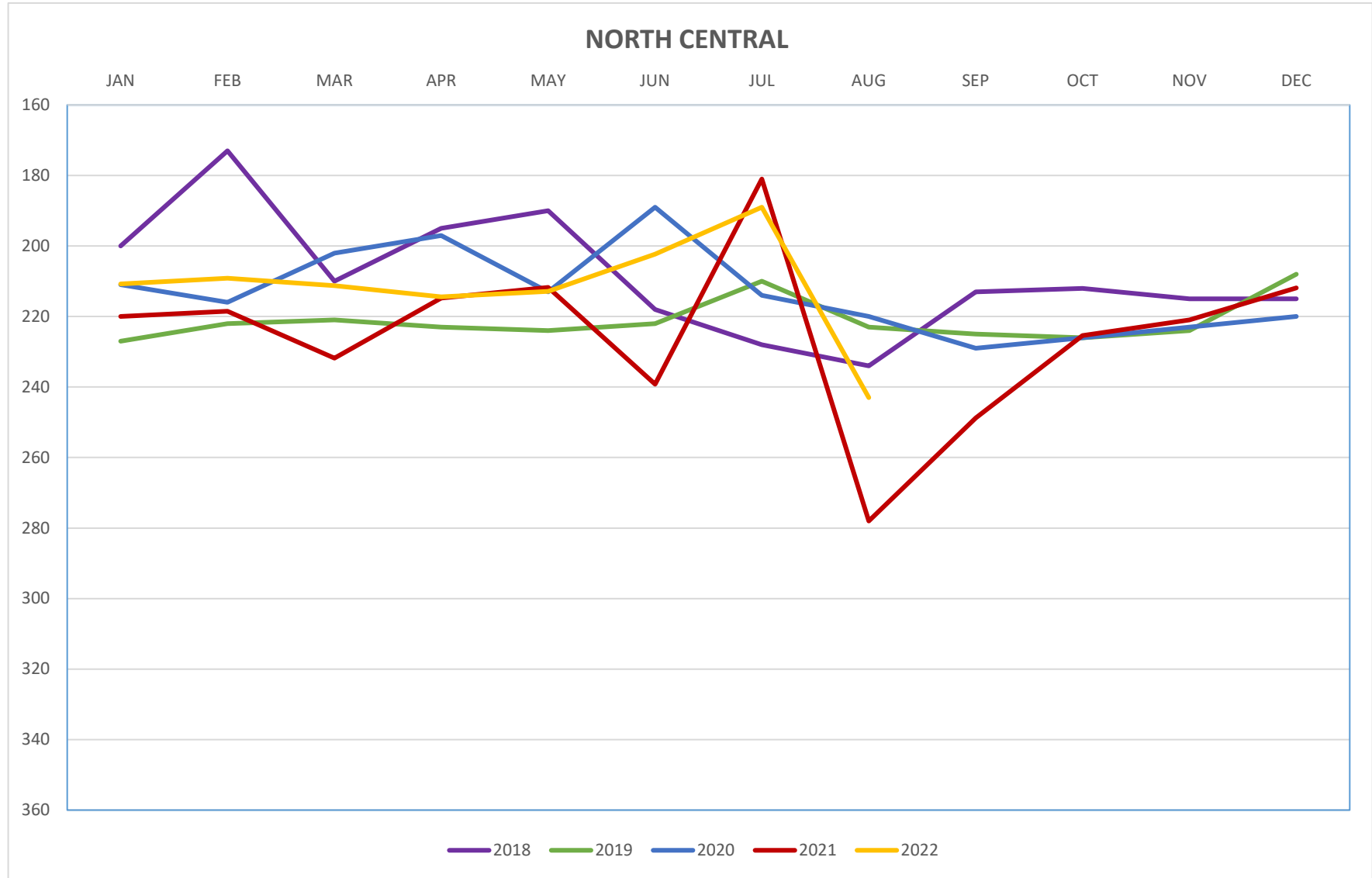
G = gated well, unable to access

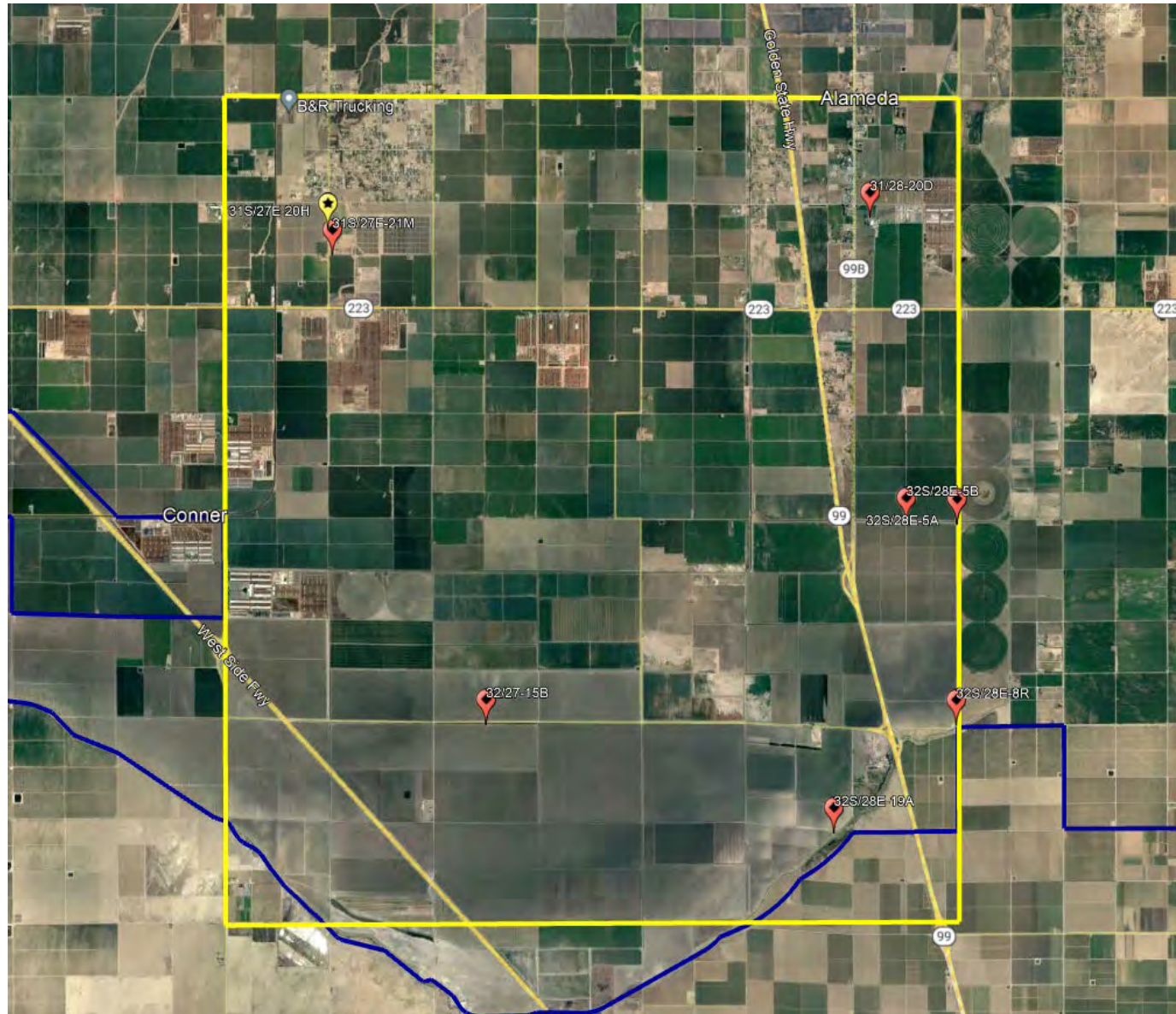
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2022





2022

		JAN 2018	JAN 2019	JAN 2020	JAN 2021	JAN 2022	FEB 2022	MAR 2022	APR 2022	MAY 2022	JUN 2022	JUL 2022	AUG 2022	SEP 2022	OCT 2022	NOV 2022	DEC 2022	HIGH	LOW	AVERAGE
South-Central Quadrant	31/27-20H	NR	NR	211	NR	213	215	213	R	206	208	216	213					216	206	212
	31/27-21M	160	L	L	NR	220	220	212	218	219	R	R	242					242	160	213
	31/28-20D	180	190	201	R	202	200	200	G	R	R	R	R					202	180	196
	32/27-15B	196	231	202	200	201	189	202	206	211	231	232	R					232	189	209
	32/28-19A	NR	215	222	222	255	222	248	248	265	R	292	327					327	215	252
	32/28-05A	NR	250	239	220	214	221	214	217	238	250	289	287					289	214	240
	32/28-05B	NR	226	201	205	221	210	209	216	226	241	260	302					302	201	229
	32/28-08R	NR	224	253	222	255	253	252	250	250	300	317	326					326	222	264
	AVERAGE	179	223	218	214	223	216	219	226	231	246	268	283					283	179	229
	South-Central District Maximum Depth to Water																	327		
	South-Central District Minimum Depth to Water																	160		
	South-Central District Average Depth to Water																	230		

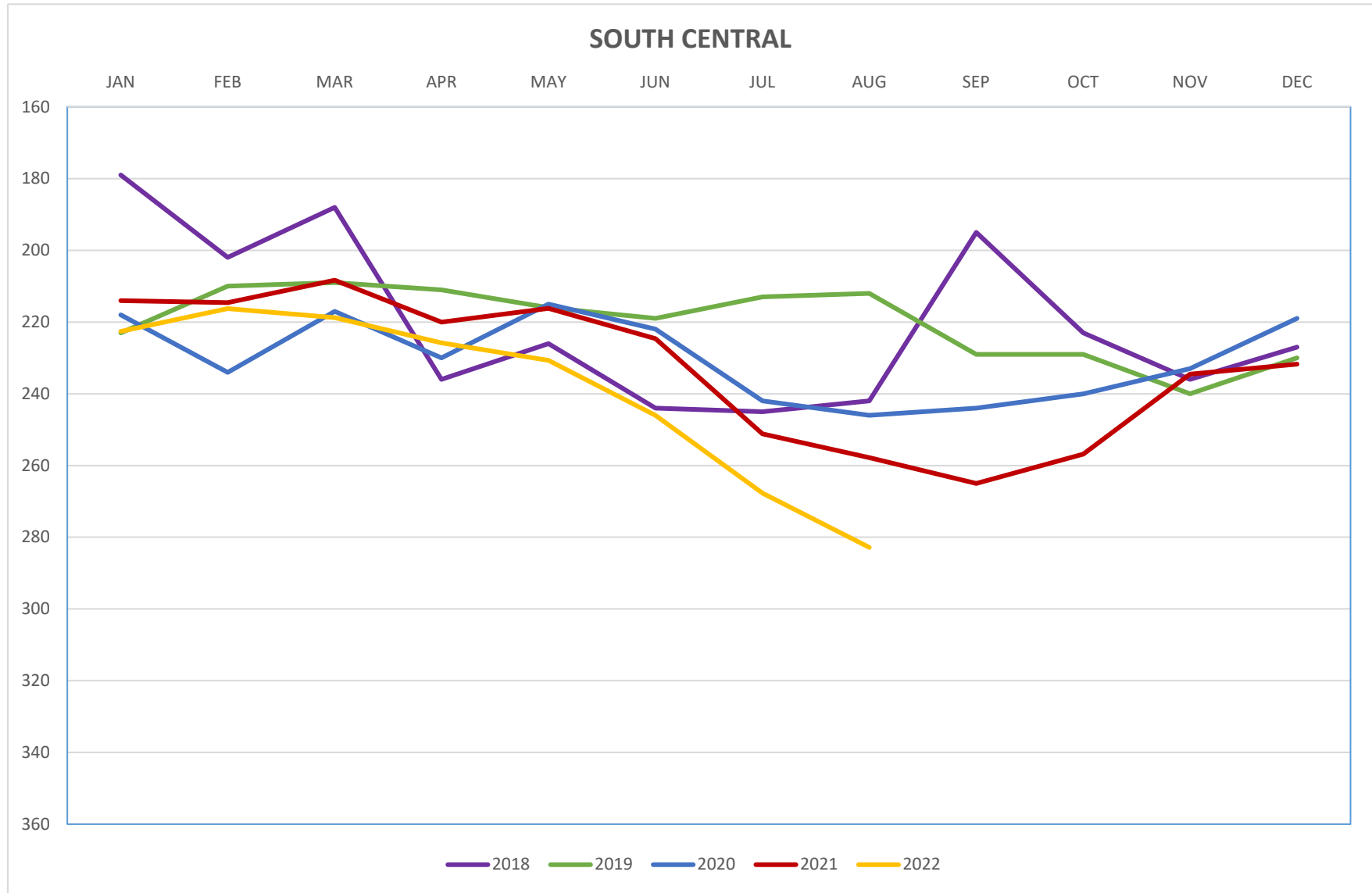
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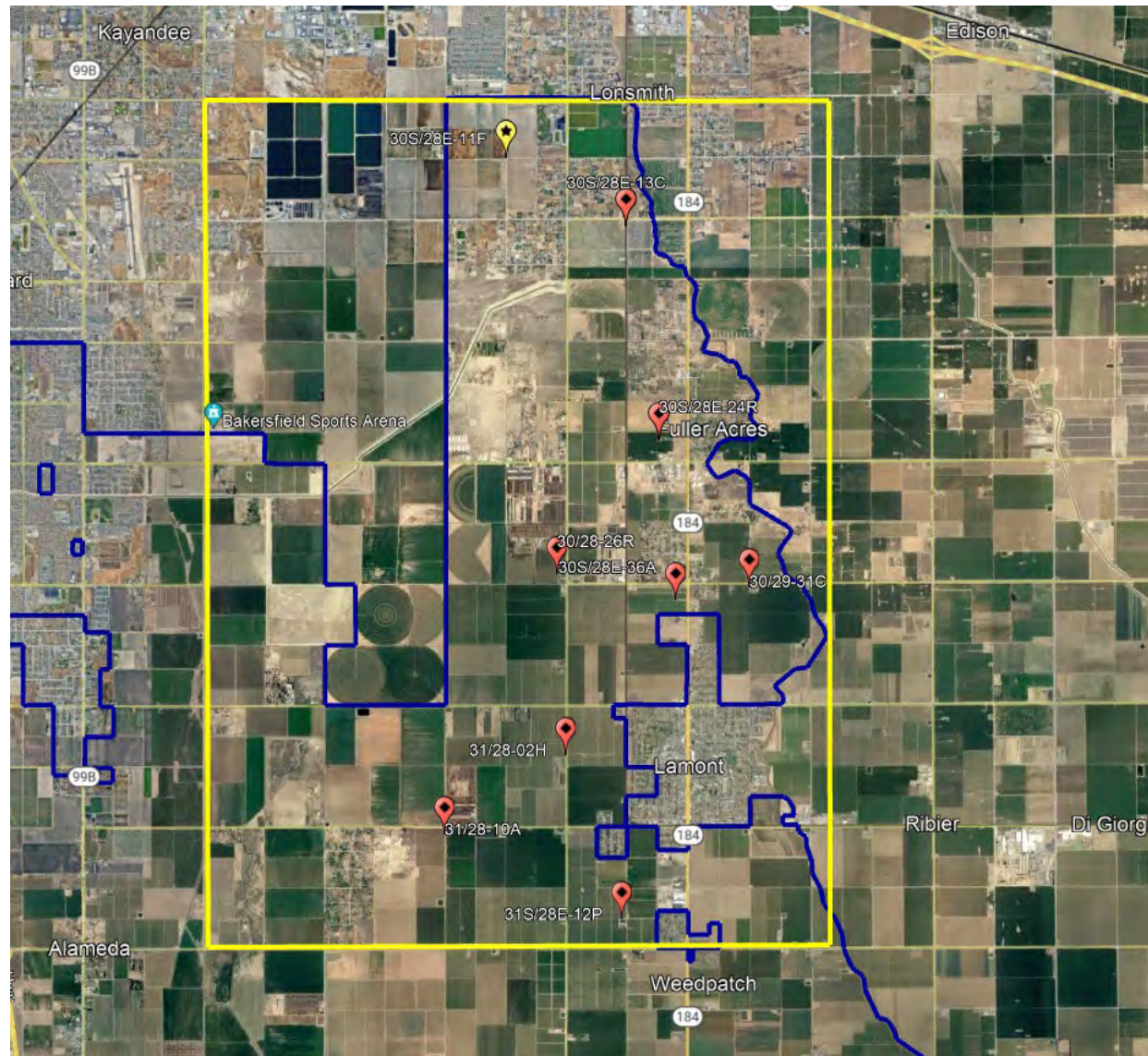
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2022





2022

		JAN 2018	JAN 2019	JAN 2020	JAN 2021	JAN 2022	FEB 2022	MAR 2022	APR 2022	MAY 2022	JUN 2022	JUL 2022	AUG 2022	SEP 2022	OCT 2022	NOV 2022	DEC 2022	HIGH	LOW	AVERAGE
Northeast Quadrant	30/28-11F	248	263	263	264	272	271	279	272	279	280	286	281					286	248	272
	30/28-13C	290	R	300	331	320	R	320	310	321	R	R	329					331	290	315
	30/28-24R	NR	306	311	309	NR	NR	NR	R	300	R	R	338					338	300	313
	30/28-26R	NR	287	NR	NR	NR	NR	320	318	328	327	328	R					328	287	318
	30/28-36A			212	NR	NR	NR	326	336	330	330	R	NR					336	212	307
	30/29-31C	323	327	338	330	344	335	336	336	340	347	345	349					349	323	338
	31/28-02H	288	291	290	295	326	302	299	R	R	R	339	R					339	288	304
	31/28-10A	249	253	253	258	265	266	268	268	268	276	295	294					295	249	268
	31/28-12P	222	286	284	NR	NR	R	297	291	300	310	R	318					318	222	289
	AVERAGE	270	288	281	298	305	294	306	304	308	312	319	318					319	270	300
Northeast District Maximum Depth to Water																		349		
Northeast District Minimum Depth to Water																		212		
Northeast District Average Depth to Water																		300		

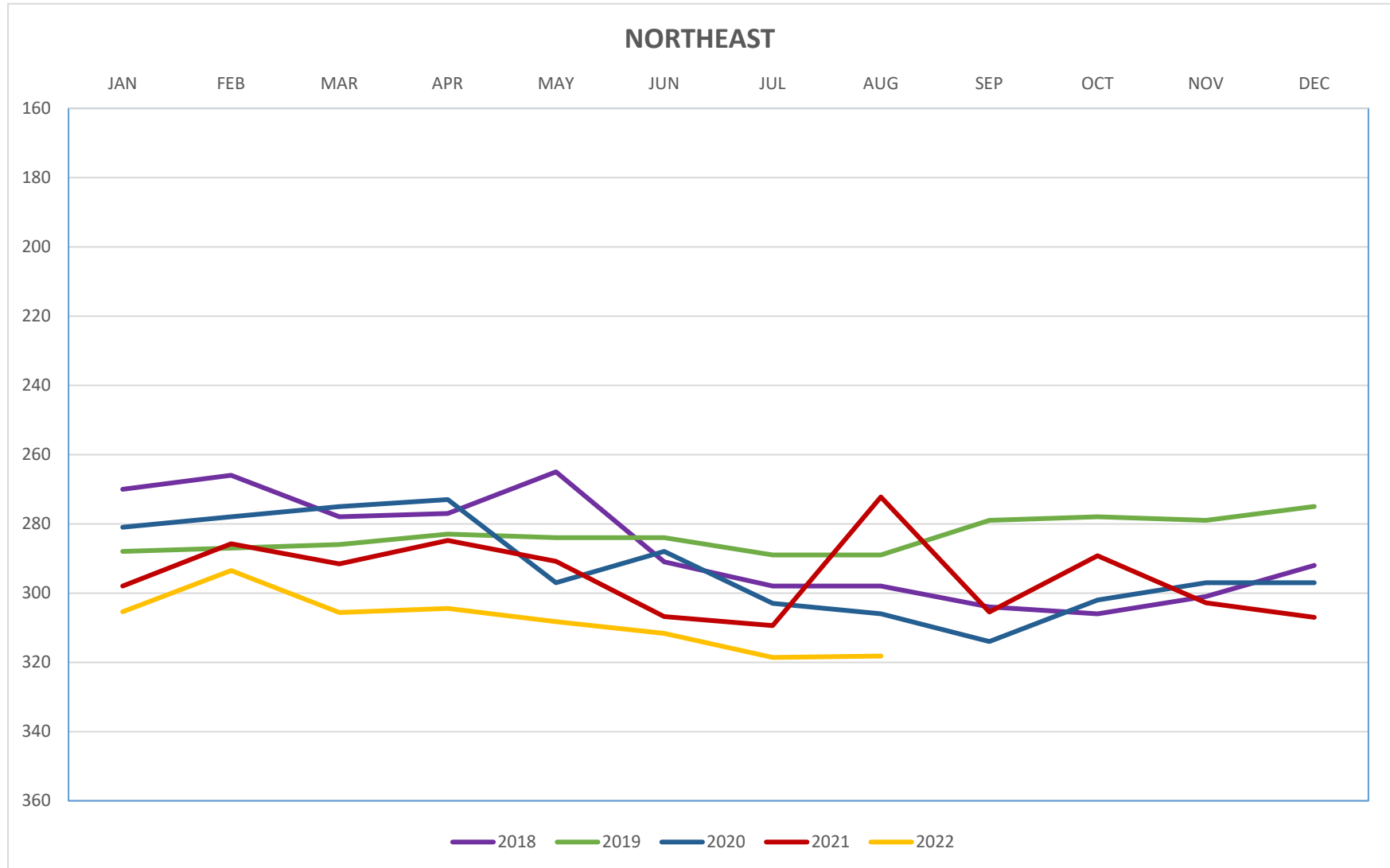
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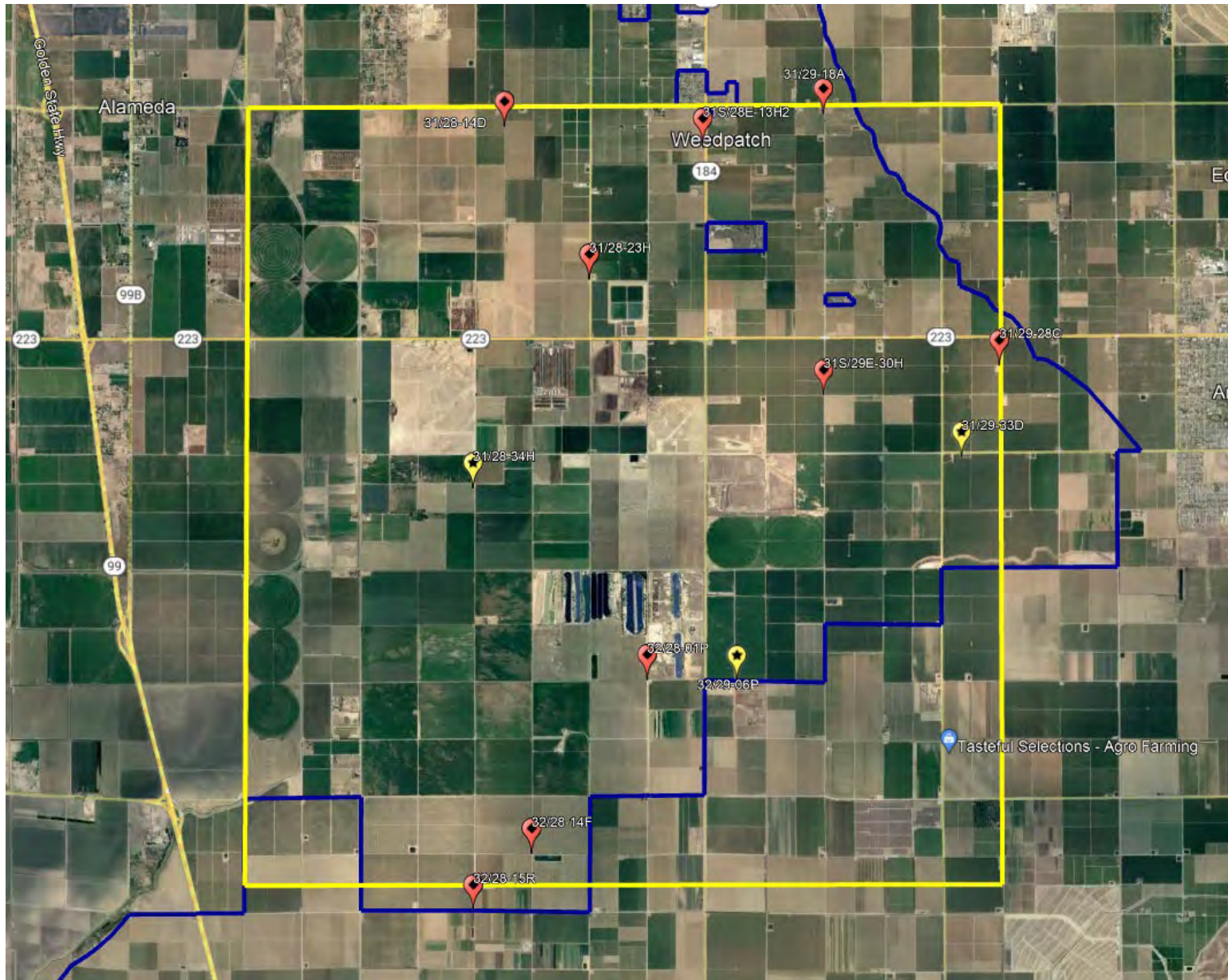
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2022





		JAN 2018	JAN 2019	JAN 2020	JAN 2021	JAN 2022	FEB 2022	MAR 2022	APR 2022	MAY 2022	JUN 2022	JUL 2022	AUG 2022	SEP 2022	OCT 2022	NOV 2022	DEC 2022	HIGH	LOW	AVERAGE
Southeast Quadrant	31/28-13H2		NR	NR	NR	290	290	295	290	294	R	R	296					296	290	293
	31/28-14D	233	239	230	235	247	232	252	244	247	R	R	260					260	230	242
	31/28-23H	278	290	286	275	276	330	306	NR	250	NR	NR	R					330	250	286
	31/28-34H	NR	337	206	204	203	224	205	205	R	R	R	218					337	203	225
	31/29-18A	234	335	333	241	349	348	349	344	352	354	363	354					363	234	330
	31/29-28C	219	347	344	NR	NR	R	R	200	202	202	209	209					347	200	242
	31/29-30H	NR	NR	NR	331	353	331	NR	340	R	340	R	R					353	331	339
	31/29-33D	294	342	250	338	239	340	340	342	340	346	335	330					346	239	320
	32/28-14F	NR	NR	222	241	NR	225	226	NR	NR	NR	NR	NR					241	222	229
	32/28-15R	300	263	272	291	314	314	305	NR	NR	R	R	R					314	263	294
	32/28-01P	NR	NR	NR	NR	207	196	204	206	NR	R	R	235					235	196	210
	32/29-06P	NR	183	177	208	NR	NR	199	203	NR	228	225	201					228	177	203
	AVERAGE	260	292	258	263	275	283	268	264	281	294	283	263					294	258	274
	Southeast District Maximum Depth to Water																	363		
	Southeast District Minimum Depth to Water																	177		
	Southeast District Average Depth to Water																	273		

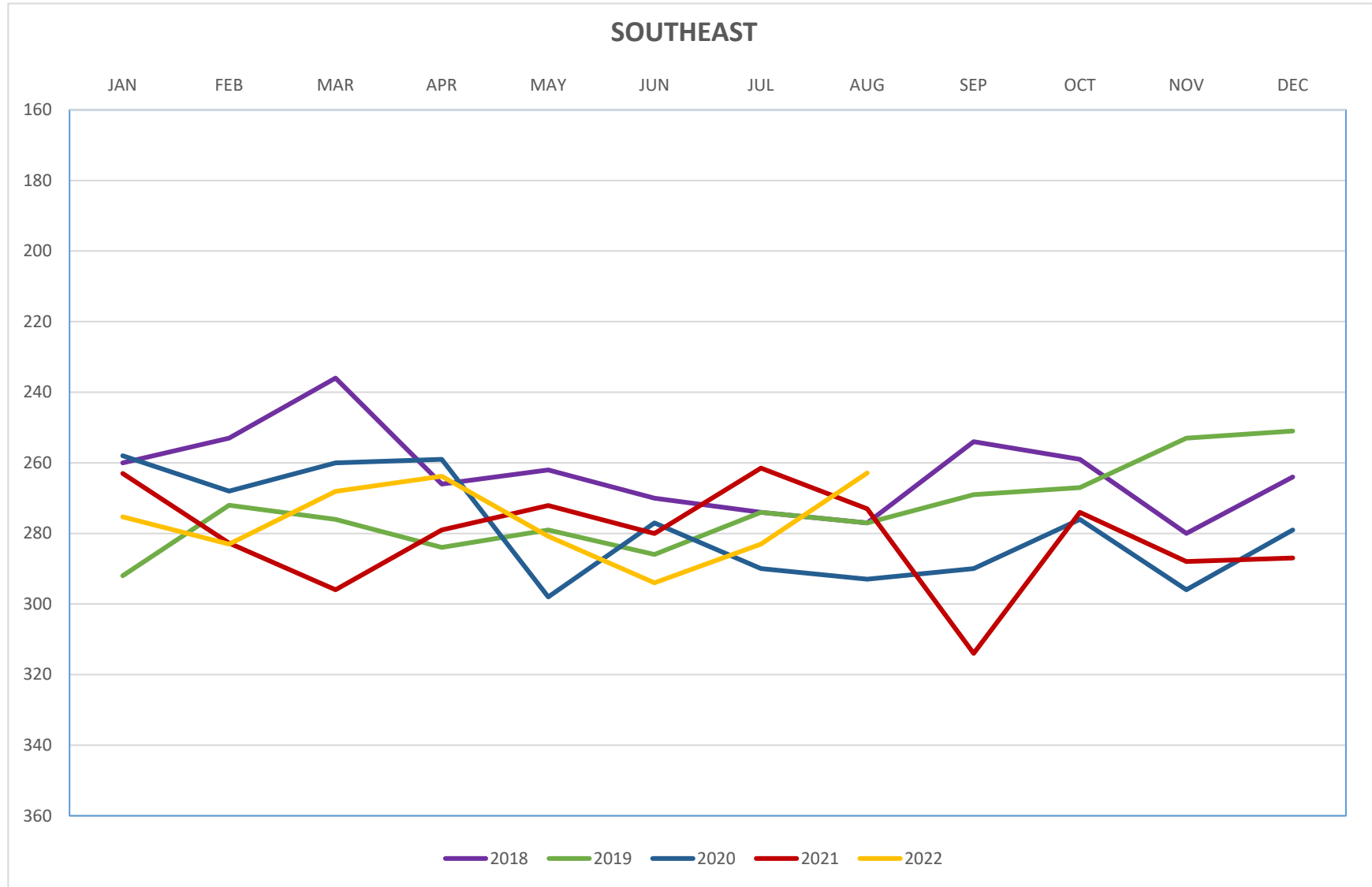
G = gated well, unable to access

R = running well, no measurement taken

NR = temporary 'no reading', no measurement taken

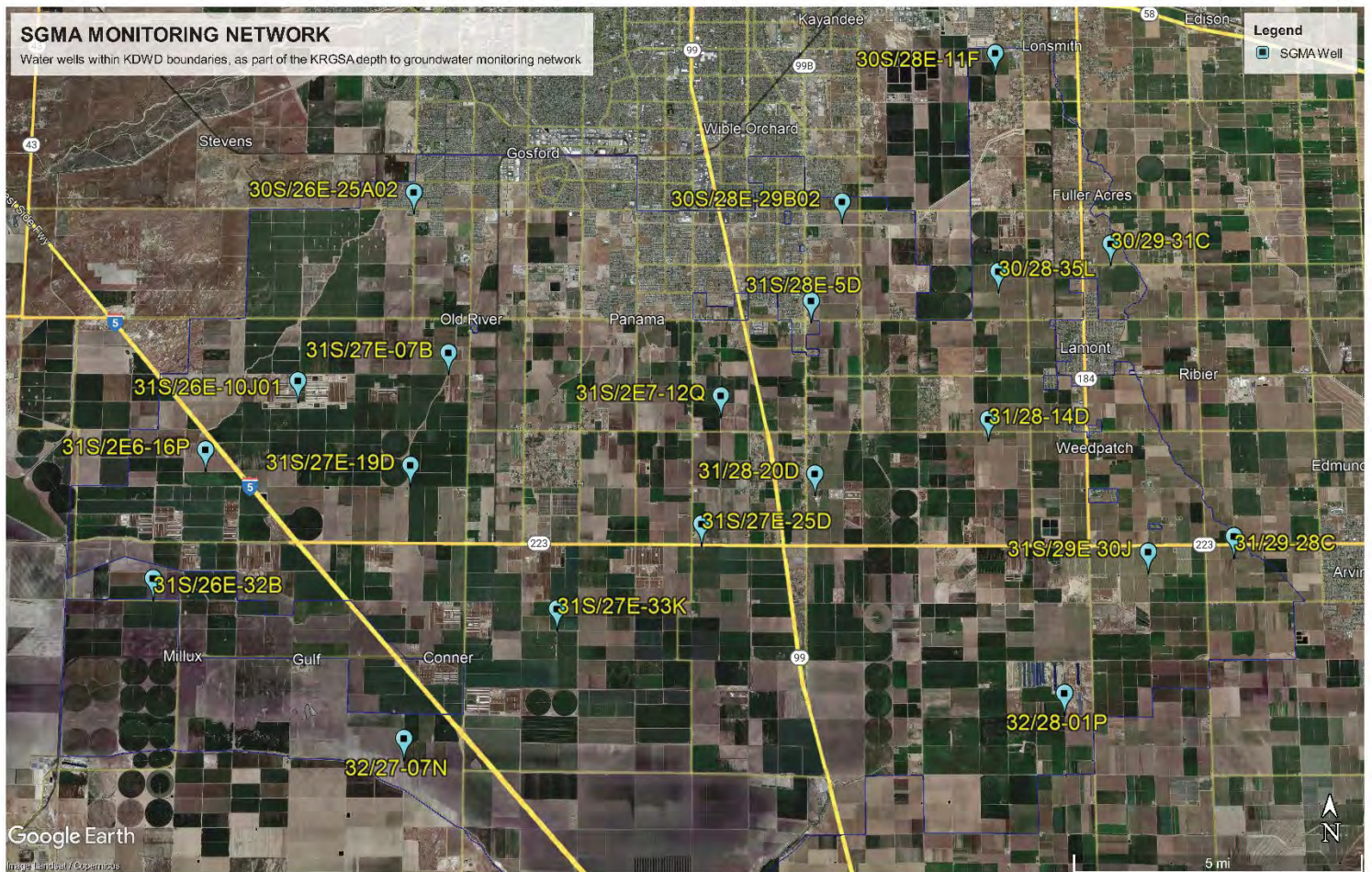
yellow shading = inactive well

2022



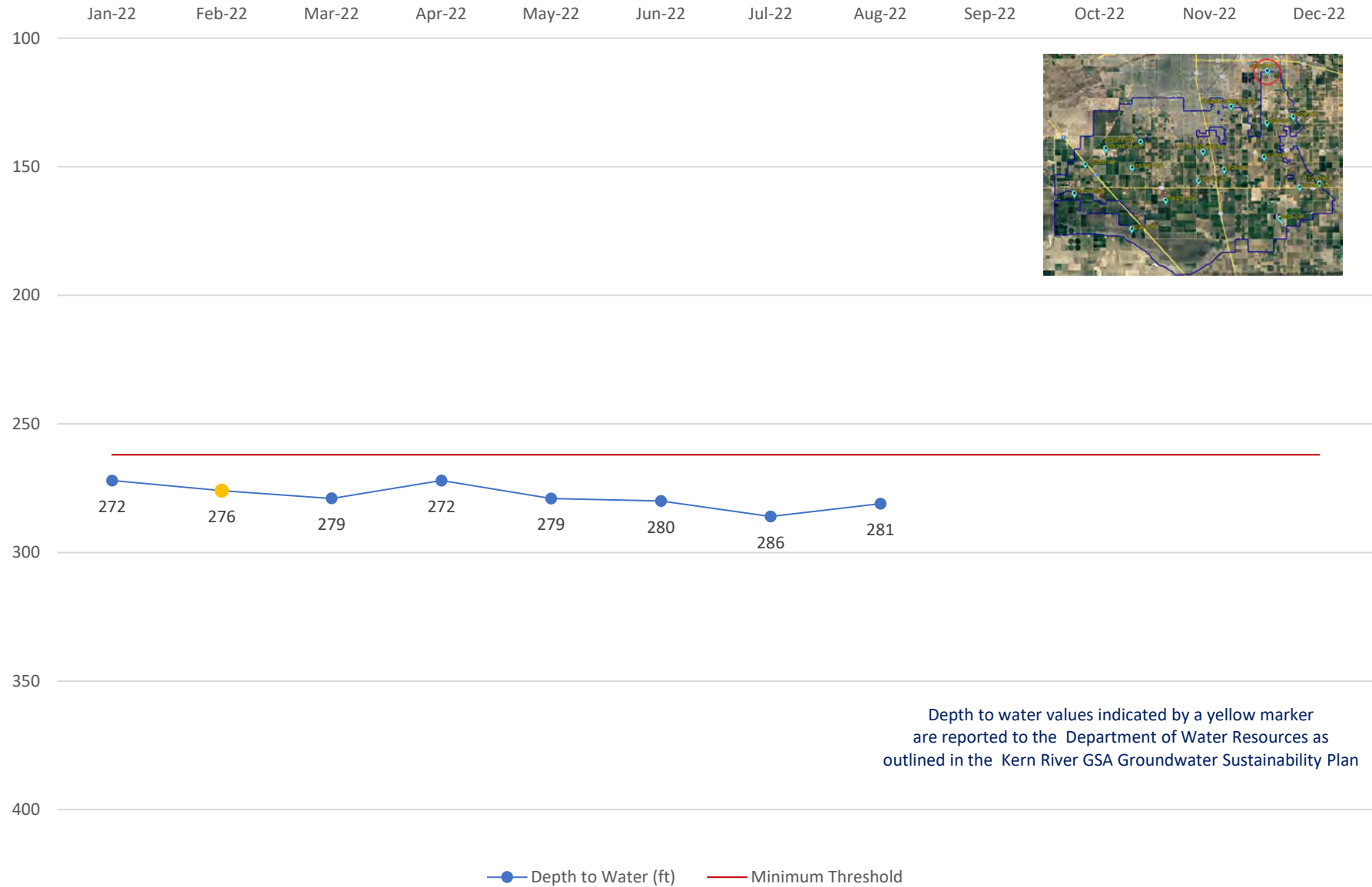


Monthly SGMA Wells Monitoring Report



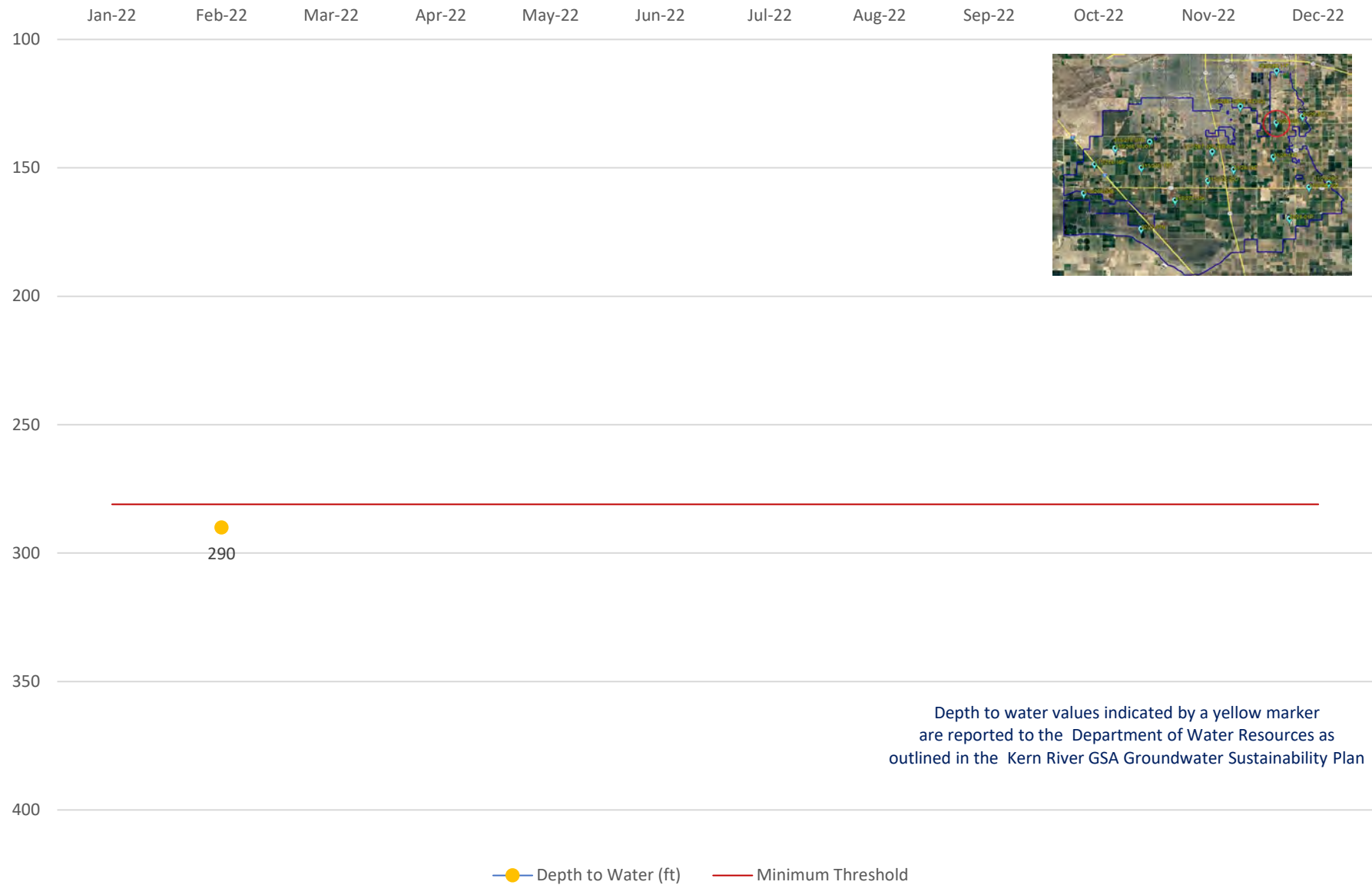
RMW-030 30S/28E-11F

not to exceed 262' (depth to water)



RMW-034 30S/28E-35L

not to exceed 281' (depth to water)



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

not to exceed 285.5' (depth to water)



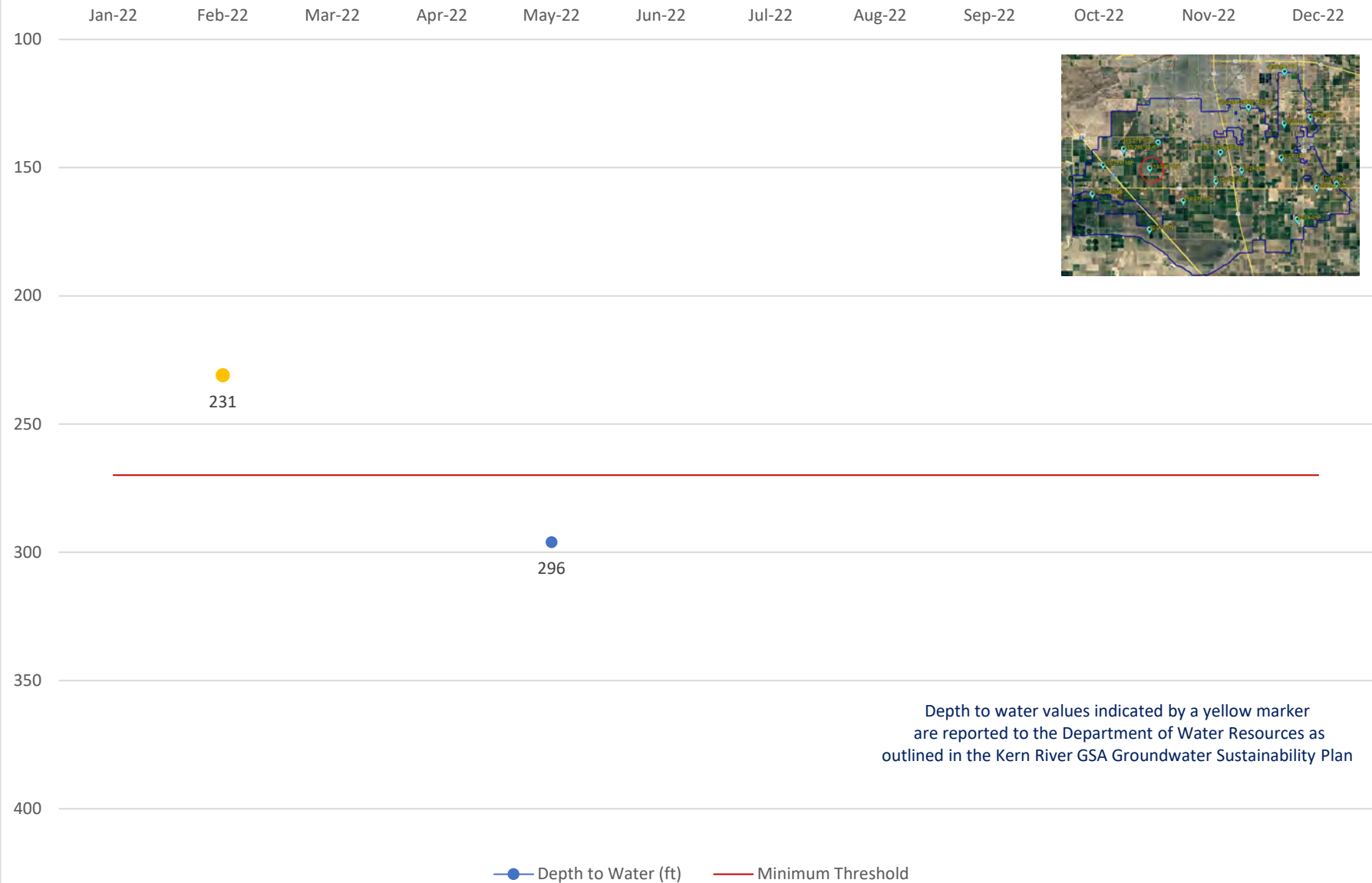
RMW-037 31S/26E-16P

not to exceed 293' (depth to water)



RMW-038 31S/27E-19D

not to exceed 269.9' (depth to water)



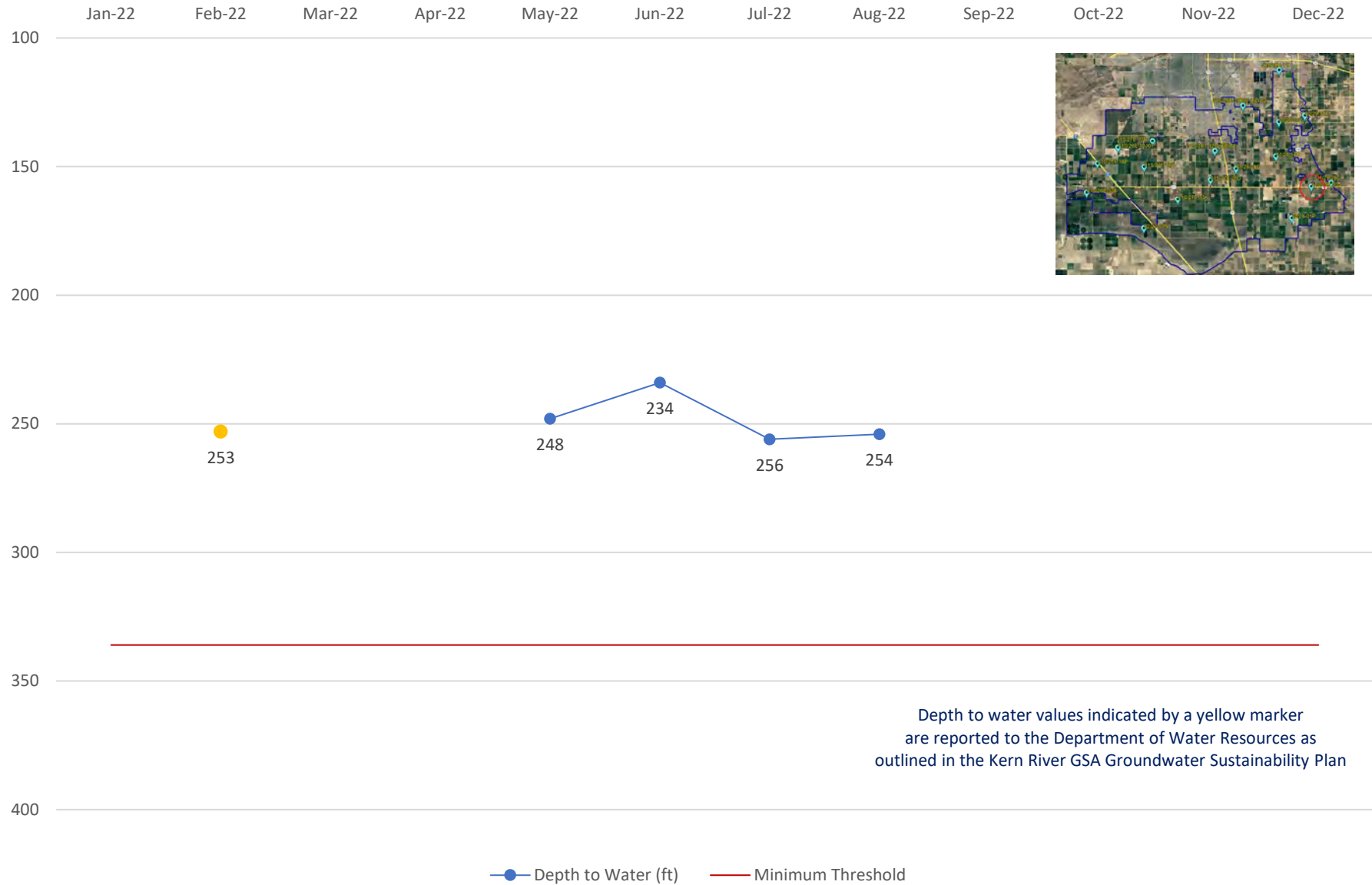
RMW-040 31S/27E-25D

not to exceed 250' (depth to water)



RMW-041 31S/29E-30J

not to exceed 336' (depth to water)



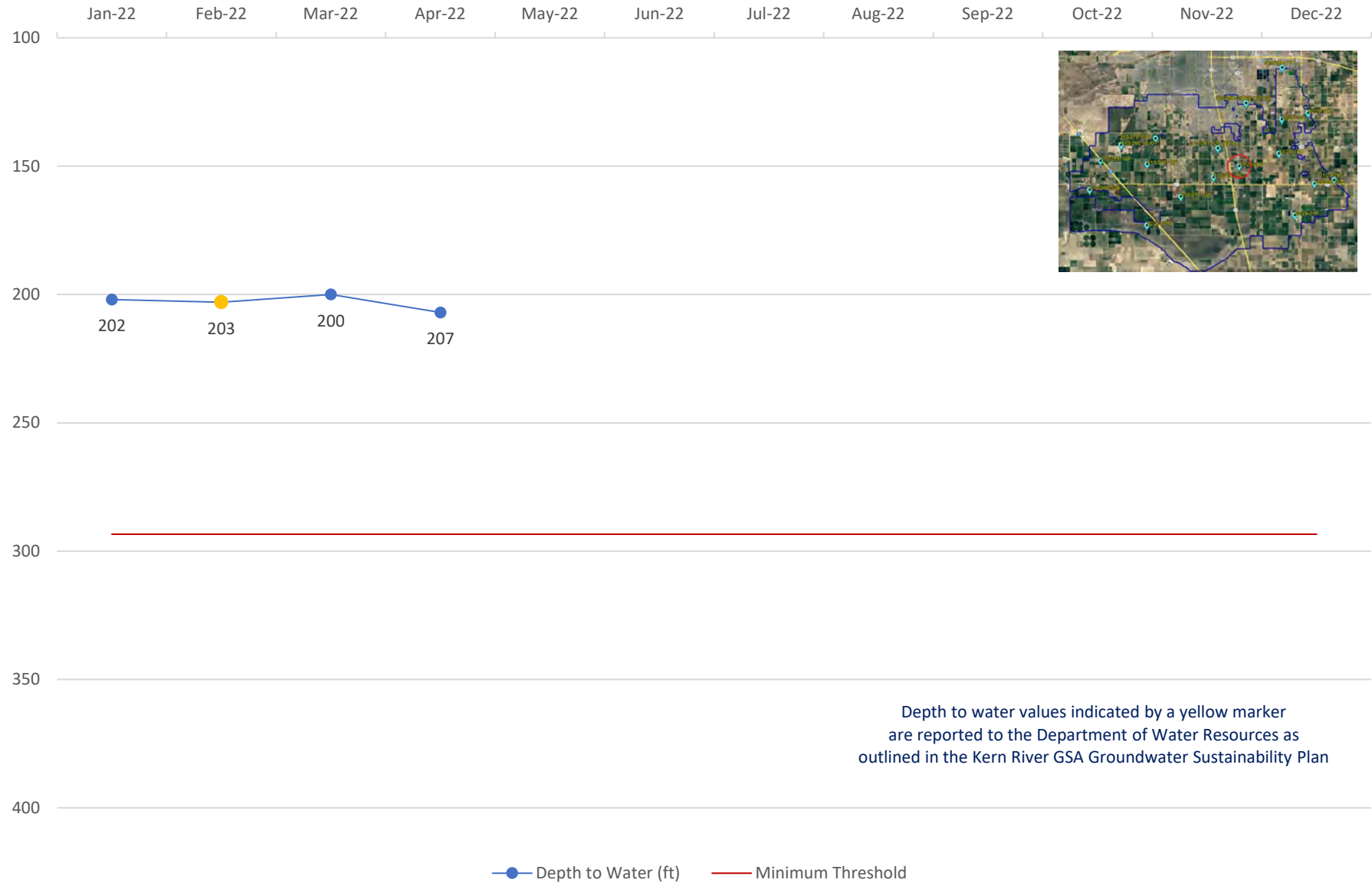
RMW-042 31S/26E-32B

not to exceed 335' (depth to water)



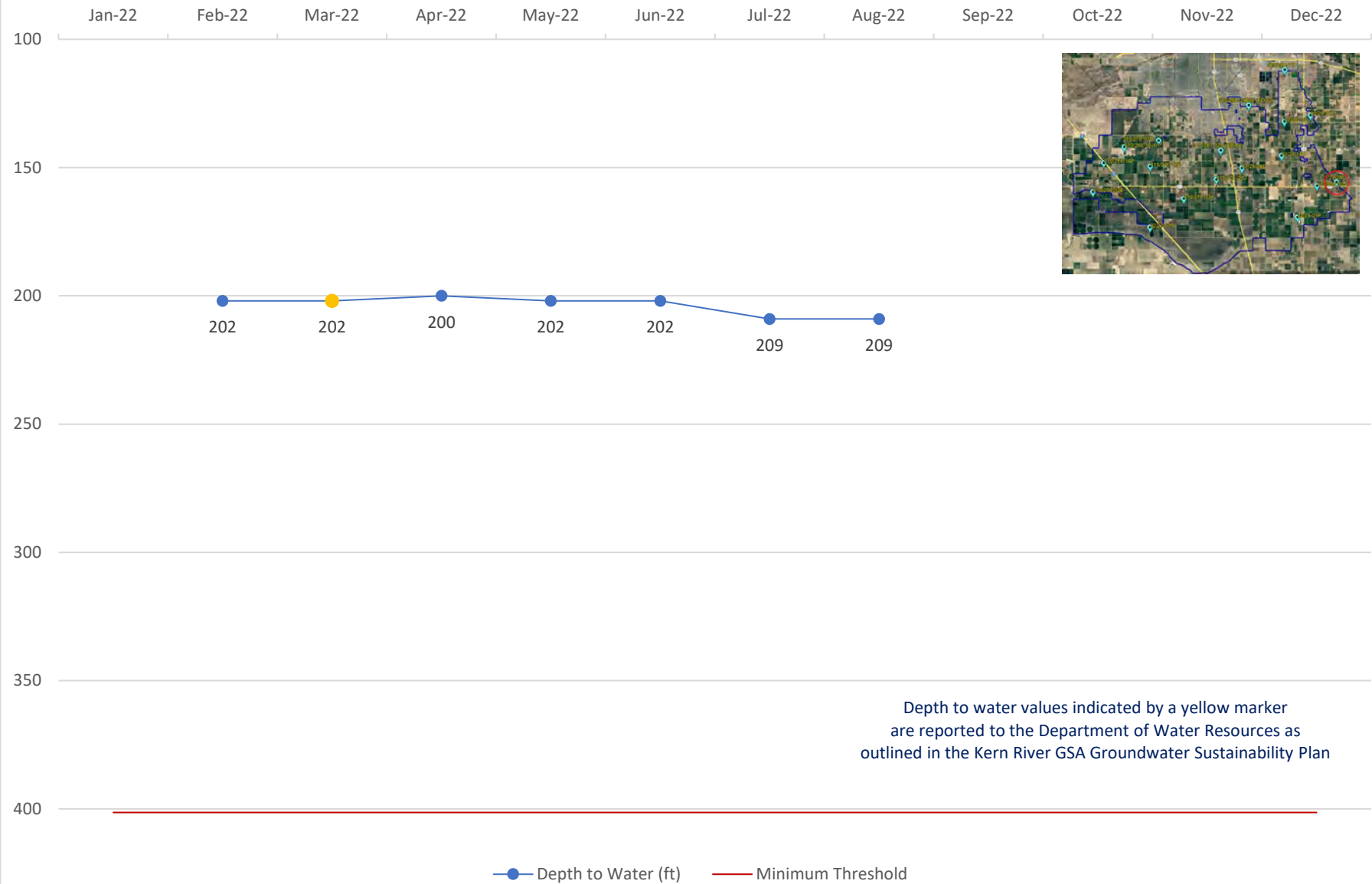
RMW-192 31S/28E-20D

not to exceed 293.4' (depth to water)



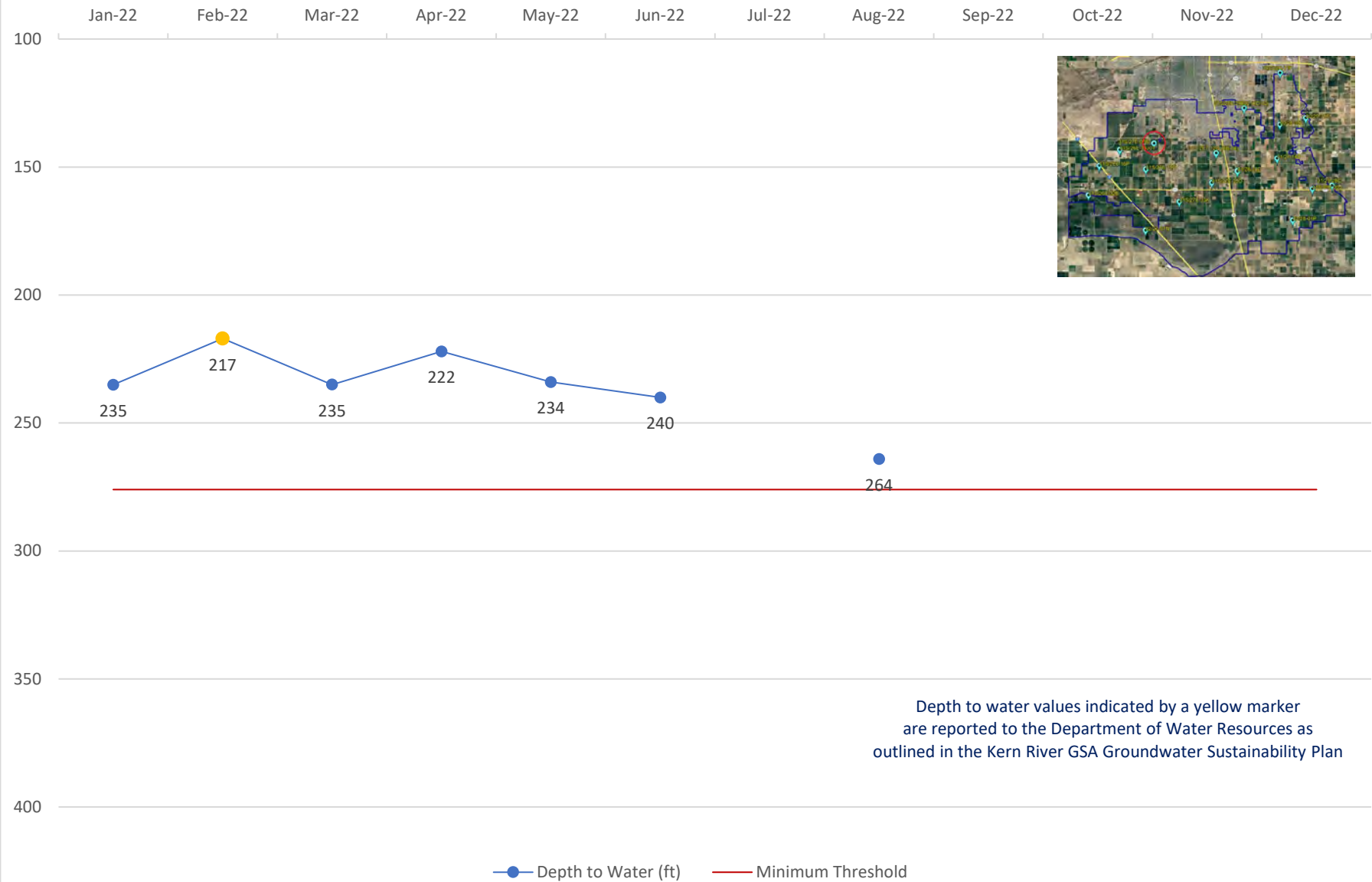
RMW-193 31S/29E-28C

not to exceed 401.4' (depth to water)



RMW-195 31S/27E-07B

not to exceed 276' (depth to water)



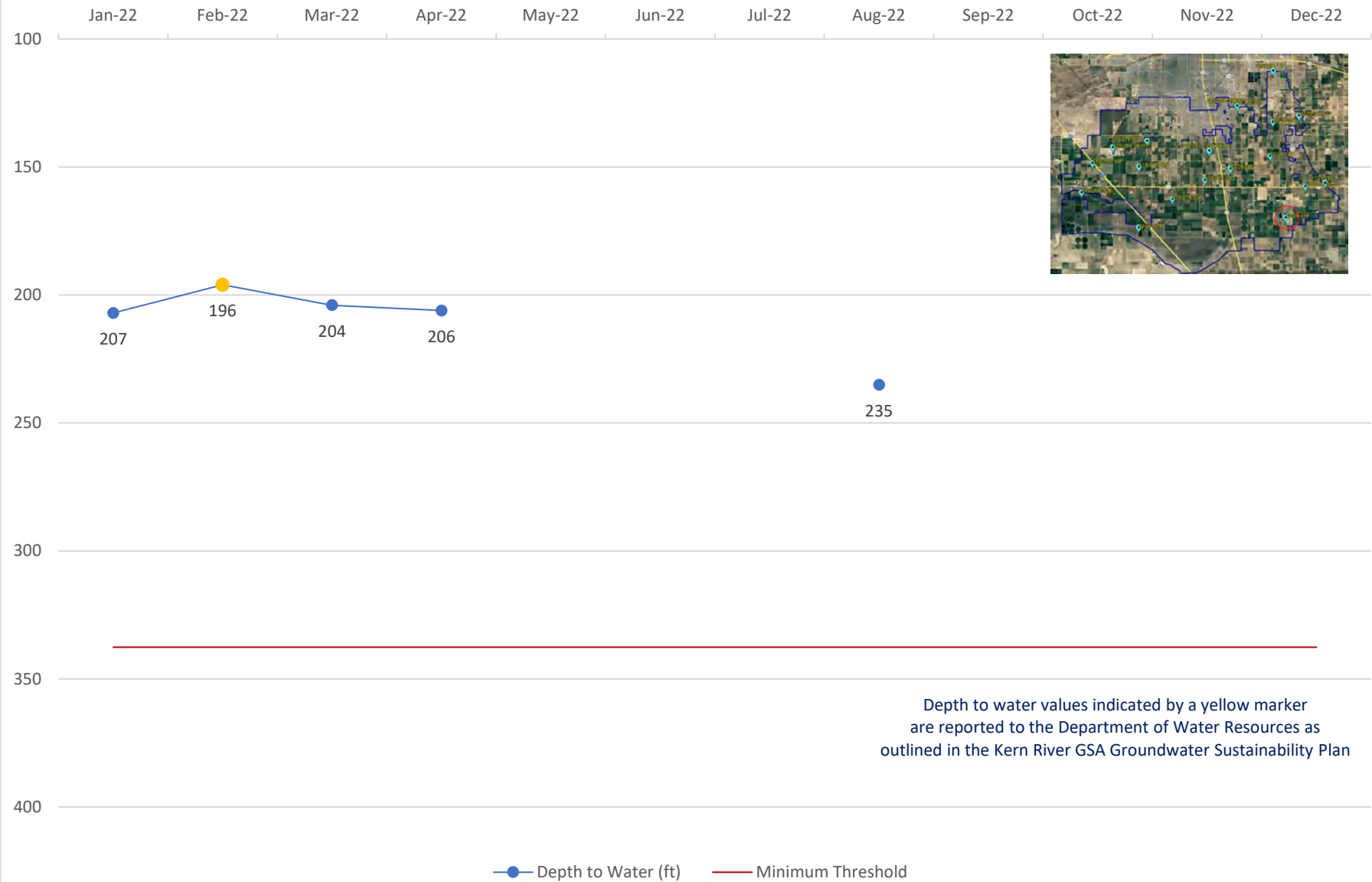
RMW-196 31S/27E-12Q

not to exceed 283' (depth to water)



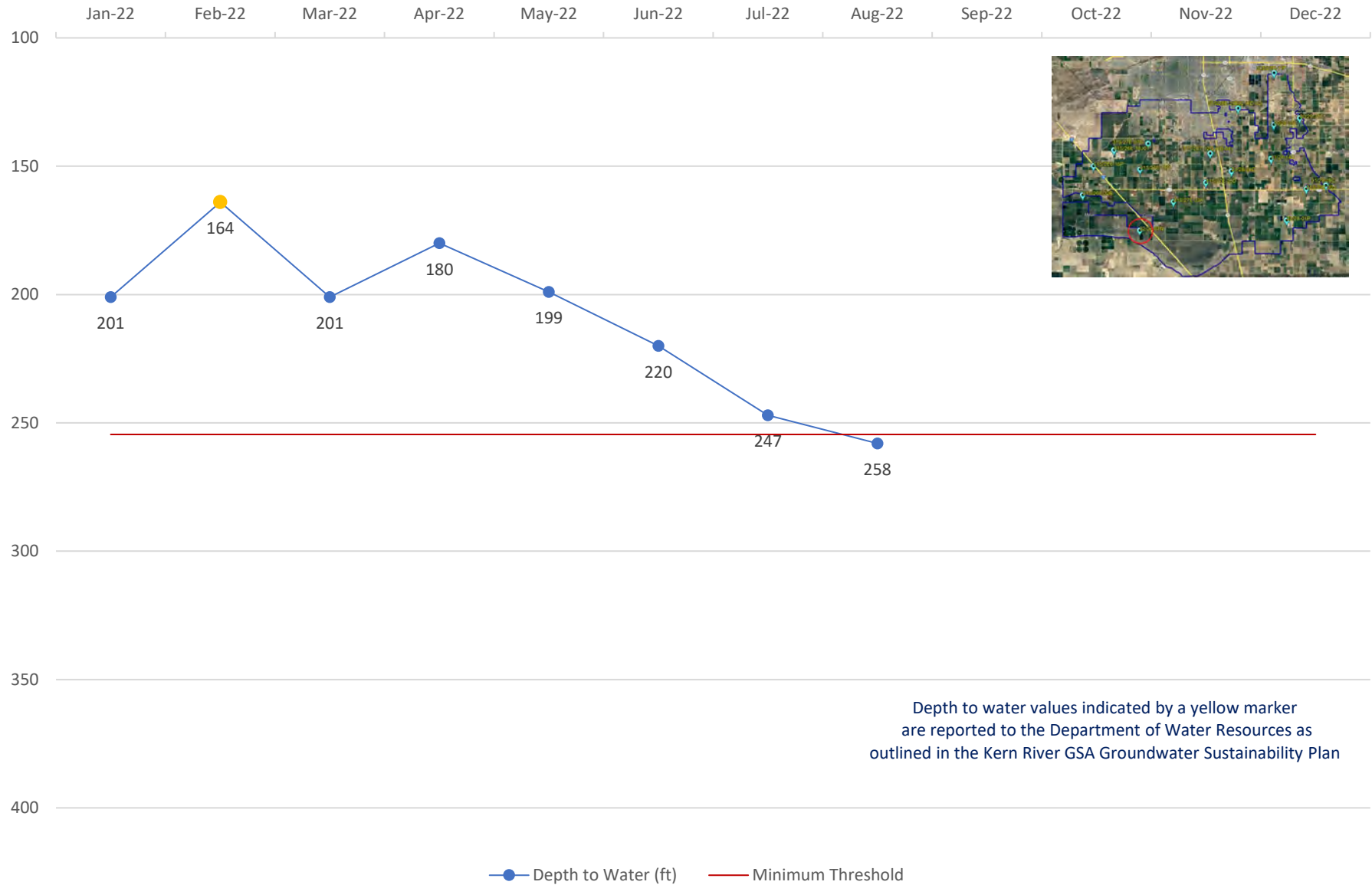
RMW-197 32S/28E-01P

not to exceed 337.6' (depth to water)



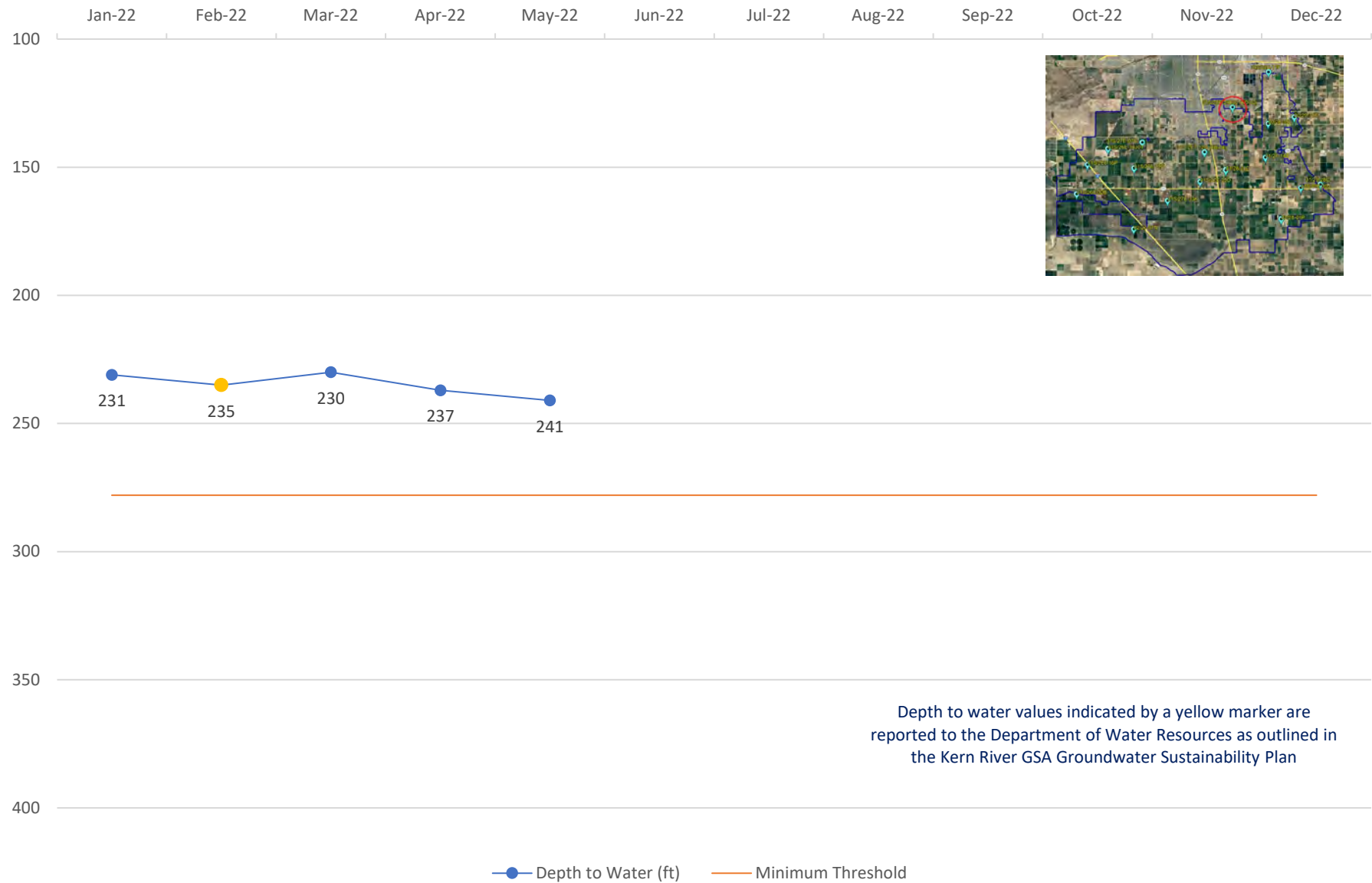
RMW-200 32S/27E-07N

not to exceed 254.5' (depth to water)



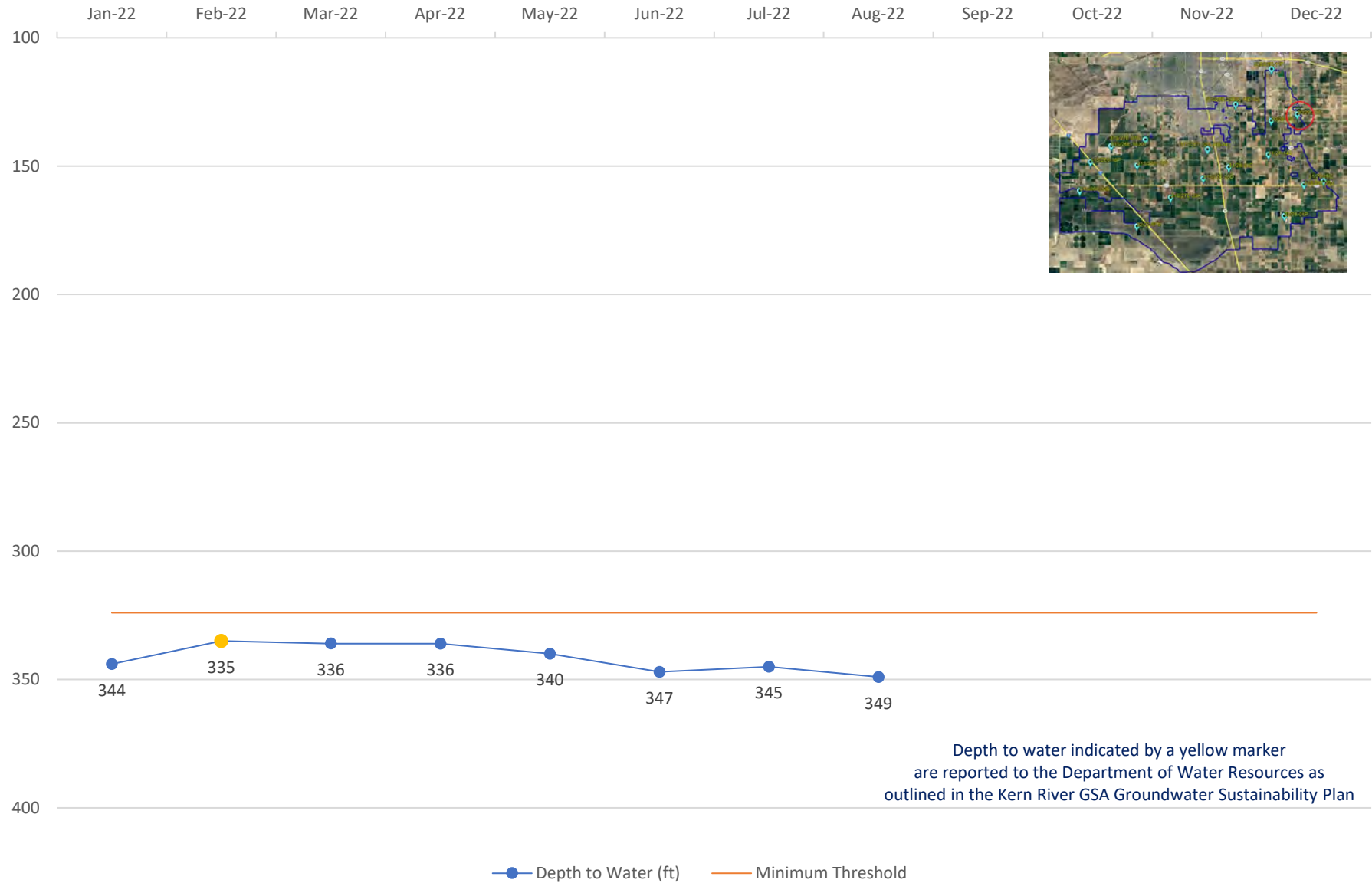
RMW-216 30S/28E-29B

not to exceed 278' (depth to water)



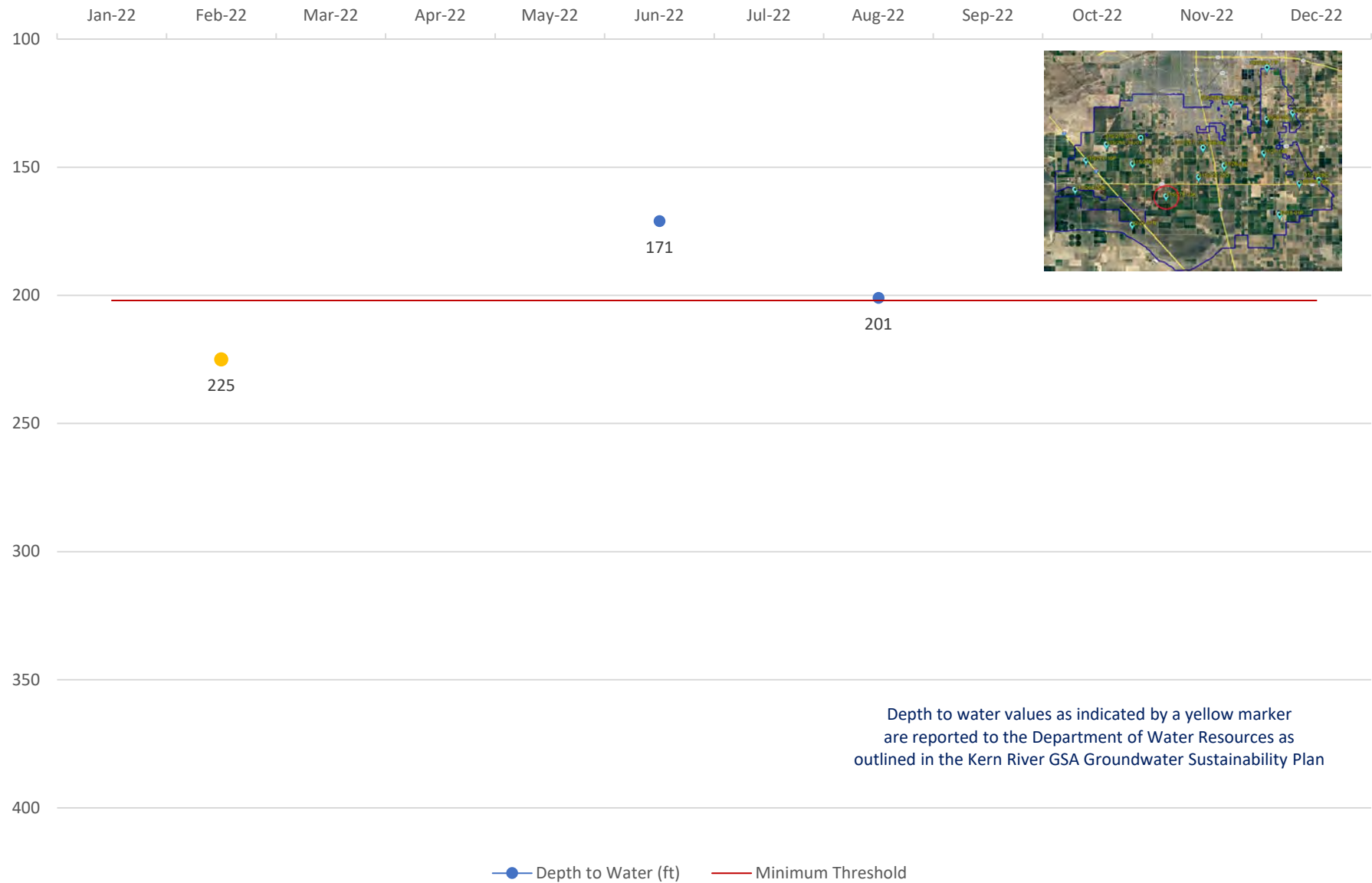
RMW-217 30S/29E-31C

not to exceed 324' (depth to water)



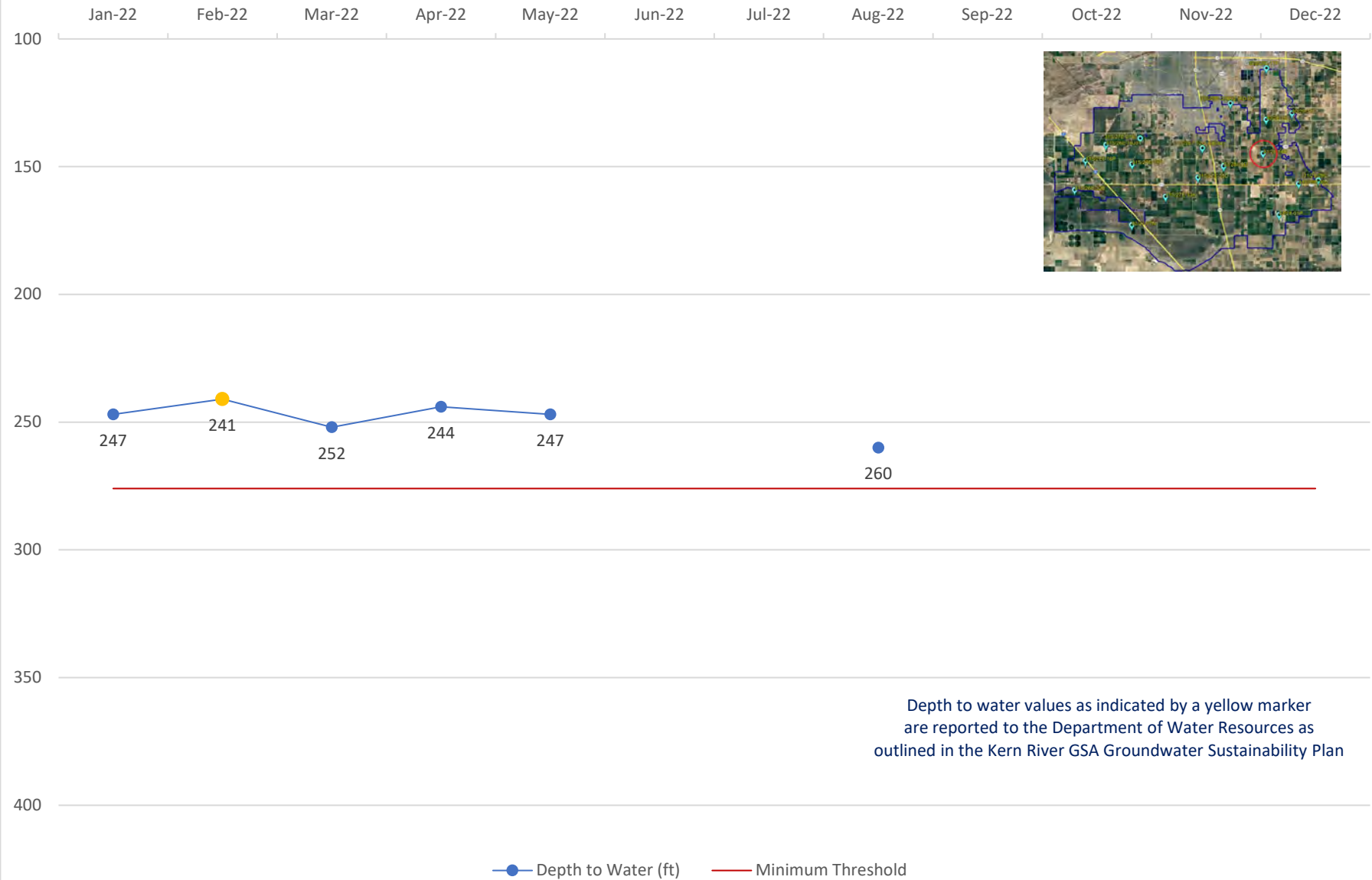
RMW-218 31S/27E-33K

not to exceed 202' (depth to water)



RMW-219 31S/28E-14D

not to exceed 276' (depth to water)



Tab VI



★ Agenda items marked with this symbol will be recorded and available for on-demand access after the live event.

Note: Tuesday Committee meetings will not be recorded or available on-demand.

ACWA JPIA - MONDAY, NOV 28

8:30 - 10:00 AM

- ACWA JPIA Program Committee

10:15 - 11:15 AM

- ACWA JPIA Executive Committee

1:30 - 4:00 PM

- ACWA JPIA Board of Directors

4:00 - 5:00 PM

- ACWA JPIA Town Hall

5:00 - 6:00 PM

- ACWA JPIA Reception

TUESDAY, NOV 29

7:00 AM - 6:00 PM

- Registration

8:00 AM - 9:45 AM

- Agriculture Committee

8:30 AM - Noon

- ACWA JPIA Seminars

10:00 - 11:45 AM

- Groundwater Committee
- Energy Committee

11:00 AM - Noon

- Outreach Task Force

Noon - 2:00 PM

- Committee Lunch Break

1:00 - 2:45 PM

- Legal Affairs Committee
- Local Government Committee
- Finance Committee
- Water Management Committee

1:00 - 3:00 PM

- ACWA JPIA: Sexual Harassment Prevention for Board Members & Managers (AB 1825)

3:00 - 4:45 PM

- Communications Committee
- Federal Affairs Committee
- Membership Committee
- Water Quality Committee

5:00 - 6:30 PM

- Welcome Reception in the Exhibit Hall

WEDNESDAY, NOV 30

7:30 AM - 5 PM

- Registration

8:00 - 9:45 AM

- Opening Breakfast *(Ticket Required)* ★

8:30 AM - 6:00 PM

- Connect in the Exhibit Hall

10:15 - 11:15 AM

- Attorneys Program ★
- Finance Program ★
- Region Forum ★
- Statewide Forum ★
- Water Industry Trends Program ★
- Roundtable Talk

11:30 AM - 1:30 PM

- Connect in the Exhibit Hall
- Networking Lunch *(Ticket Required)*

12:30 PM - 1:30 PM

- General Session

1:45 - 2:45 PM

- Attorney Program ★
- Communications Committee Program ★
- Finance Program ★
- Statewide Forum ★
- Water Industry Trends Program ★
- Roundtable Talk

3:30 - 4:45 PM

- Regions 1-10 Membership Meetings

5:00 - 6:00 PM

- ACWA Reception in the Exhibit Hall

6:00 - 7:00 PM

- Women in Water Hosted Reception

THURSDAY, DEC 1

7:30 AM - Noon

- Registration

8:00 AM - 9:30 AM

- Exhibitor Demonstrations
- Networking Continental Breakfast in the Exhibit Hall *(Ticket Required)*

8:30 - 10:45 AM

- Ethics Training (AB 1234) - *Limited Seating*

9:30 AM - 10:00 AM

- Prize Drawings in the Exhibit Hall

10:15 - 11:45 AM

- Attorney Program ★
- Finance Program ★
- Region Forum ★
- Statewide Forum ★
- Water Industry Trends Program ★
- Roundtable Talk

Noon - 2:00 PM

- General Session Luncheon *(Ticket Required)* ★

2:15 - 3:15 PM

- Attorney Program ★
- Federal Affairs Forum ★
- Region Forum ★
- Town Hall ★
- Water Industry Trends Program ★
- Roundtable Talk

3:30 - 4:30 PM

- Closing Reception

Last modified: August 9, 2022

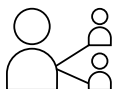
Registration required to attend any part of ACWA's Fall Conference & Exhibition, including Tuesday, Nov. 29 Committee Meetings. See www.acwa.com for health & safety attendance requirements.

REGISTRATION, MEALS AND HOTEL INFORMATION SHEET



REGISTER ONLINE

Register online by **November 11, 2022** at www.acwa.com to take advantage of the advance pricing.



REGISTER ON SOMEONE'S BEHALF

Select from a list of people affiliated with your company in your account. If the registrant is not listed, you will need to create a Portal profile for the registrant through the ACWA website before registering.

GROUP SAVINGS! Register 5 individuals from the same organization, receive a 6th registration free!
(Subject to terms and conditions.) **Contact Teresa Taylor at TeresaT@acwa.com for more information before registering.**

REGISTRATION OPTIONS <i>Advantage pricing applies to ACWA public agency members, associates & affiliates. Standard pricing applies to non-members of ACWA.</i>	ADVANCE DEADLINE: 11/11/22		ONSITE	
	ADVANTAGE	STANDARD	ADVANTAGE	STANDARD
Full Conference Registration & Meals Package Includes access to all conference programs, meal functions, Exhibit Hall and access to On-Demand Designated Conference Recordings after the live conference.	\$775	N/A	N/A	N/A
Full Conference Registration Only (meals sold separately) On-Demand Designated Conference Recordings NOT included but may be purchased separately.	\$620	\$930	\$650	\$975
Tuesday Committee Meetings Only (complimentary - must register to attend)	\$0	\$0	\$0	\$0
One-Day Conference Registration (meals sold separately) Wednesday, Nov. 30: Includes access to Welcome Reception in the Exhibit Hall on Tuesday night, access to the Exhibit Hall and all conference programs on Wednesday only. Thursday, Dec. 1: Includes access to the Exhibit Hall, all conference programs and the Closing Reception on Thursday only.	\$370	\$555	\$390	\$585
Guest Conference Registration (meals sold separately) Guest registration is not available to anyone with a professional reason to attend.	\$75	\$75	\$75	\$75
VIRTUAL OPTION: On-Demand Designated Conference Recordings Only Includes on-demand access to all designated recorded sessions after the live conference.	\$220	\$330	\$220	\$330
MEAL FUNCTIONS	ADVANCE		ONSITE	
Wednesday Opening Breakfast - November 30	\$50		\$55	
Wednesday Networking Luncheon - November 30	\$50		\$55	
Thursday Continental Breakfast in Exhibit Hall - December 1	\$40		\$45	
Thursday Luncheon - December 1	\$55		\$60	

HOTEL INFORMATION

You must be registered for the ACWA conference in order to receive hotel reservation information and conference special room rate. **Conference special rate is available August 29 - November 7**, based on availability.

HOTEL & ROOM RATES

Renaissance Esmeralda Resort & Spa Indian Wells
\$199 per night (plus applicable state, local taxes & fees, and \$10 discounted Resort fee)

Hyatt Regency Indian Wells Resort & Spa
\$199 per night (plus applicable state, local taxes & fees, and \$10 discounted Resort fee)

HEALTH & SAFETY

Please check [ACWA's conference page HERE](#) for current health & safety mandates.

IMPORTANT DATES

The conference hotel room block opens on August 29.

Deadline for group rate is November 7, 2022

For those **registering for conference prior to August 29**, information on how to reserve your hotel room will be provided via e-mail on August 15.

For those registering for conference from **August 29 to November 7**, your **confirmation e-mail** will include the information on how to reserve your hotel room and an opportunity to receive a conference special hotel rate.

ACWA ADVISORY

REGULATORY | DROUGHT
Aug. 11, 2022

Governor Addresses Climate Change with New Water Supply Strategy, Water Infrastructure Efforts

Gov. Gavin Newsom today released a new water supply strategy his Administration is taking to adapt to hotter and drier conditions caused by climate change. The 19-page [“California’s Water Supply Strategy, Adapting to a Hotter, Drier Future”](#) focuses on increasing and diversifying the state’s water supply, including targets and actions related to above- and below-ground storage, groundwater recharge, recycled water, desalination and other categories. These actions are part of the Administration’s more focused approach to address water shortages and modernize California’s water systems.

“ACWA supports the Governor’s call for the development of new water supplies through increased recycled water, desalination, above- and below-ground storage capacity, and groundwater replenishment,” said Cindy Tuck, ACWA Deputy Executive Director for Government Relations.

The goals and actions of the document are divided into four main categories as outlined below.

1. Develop new water supplies

- Reuse at least 800,000 acre-feet of water per year by 2030 and 1.8 million acre-feet by 2040.
- Expand brackish groundwater desalination production by 28,000 acre-feet per year by 2030 and 84,000 acre-feet per year by 2040.

2. Expand water shortage capacity above and below ground by four million acre-feet

- Expand average annual groundwater recharge by at least 500,000 acre-feet.
- Work to complete the seven Proposition 1-supported storage projects and consider funding other viable surface storage projects.
- Expand San Luis Reservoir by 135,000 acre-feet.
- Rehabilitate dams to regain storage capacity.
- Support local stormwater capture projects in cities and towns with the goal to increase annual supply capacity by at least 250,000 acre-feet by 2030 and 500,000 acre-feet by 2040.

3. Reduce demand

- Build on conservation efforts to reduce annual water demand in towns and cities by at least a million acre-feet by 2030.
- Help stabilize groundwater supplies.

4. Improve forecasting, data and management including water rights modernization

- Improve flexibility of current water systems to move water throughout the state.
- Modernize water rights administration for equity, access, flexibility and transparency.

ACWA staff is reviewing the document and will work with members to support local approaches and address policy issues in the state's implementation of the strategy. Staff will provide input to the Administration as these actions are implemented.

ACWA has long supported federal, state and local investment in water infrastructure as part of a comprehensive approach to achieving long-term climate resilience. ACWA continues to advocate for water infrastructure funding in the State Budget process, which will come to a close by Aug. 31 when the Legislature adjourns.

Also, earlier this year, ACWA launched the Quench California public education campaign to increase Californians' awareness of the importance and positive benefits of investing in water infrastructure.

Members can incorporate the QuenchCA campaign materials into their agency's efforts to educate customers about the importance of water infrastructure for their community through customizable [communications tools](#).

Questions

For questions about the new water supply strategy, please contact ACWA Regulatory Relations Manager [Chelsea Haines](#).


For questions about ACWA's advocacy on state water infrastructure funding, please contact Director of State Legislative Relations [Adam Quinonez](#) or [Cindy Tuck](#).

For information on QuenchCA, please contact ACWA Director of Communications of [Heather Engel](#).

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AUG 2022 CALIFORNIA'S WATER SUPPLY STRATEGY

Adapting to a Hotter, Drier Future



Introduction

Our climate has changed. We are experiencing extreme, sustained drought conditions in California and across the American West caused by hotter, drier weather. Our warming climate means that a greater share of the rain and snowfall we receive will be absorbed by dry soils, consumed by thirsty plants, and evaporated into the air. This leaves less water to meet our needs.

This is our new climate reality, and we must adapt.

During his first months in office, Governor Newsom issued an **executive order** calling on State Agencies to create a comprehensive **Water Resilience Portfolio**. The Portfolio prioritized key actions to secure California's water future. *Over the last two years we've **made major progress** that includes:* working to bring our groundwater basins into balance; updating infrastructure to move water throughout the state; restoring river systems, including the nation's largest dam removal effort on the Klamath River; and improving water management through new voluntary agreements and technology investments.

California is investing billions of dollars into these actions to secure the future of California's water supply.

Over the last three years, **state leaders have earmarked more than \$8 billion to modernize water infrastructure and management.** The historic three-year, \$5.2 billion investment in California water systems enacted in 2021-22 has enabled emergency drought response, improved water conservation to stretch water supplies, and enabled scores of projects by local water suppliers to become more resilient to current and future droughts. The 2022-23 budget includes an *additional \$2.8 billion for drought relief to hard-hit communities, water conservation, environmental protection for fish and wildlife, and long-term projects to permanently strengthen drought resilience.*

Over the last two years, scientists and water managers have been alarmed by the accelerating impacts of the warming climate on our water supply. **We now know that hotter and drier weather could diminish our existing water supply by up to 10% by 2040.** So we are ***taking action***.

We have invested billions in securing the future of California's water supply and this focused *Water Supply Strategy* updates state priorities based on new data and accelerating climate change.

To ensure California has the water needed for generations to come, this Strategy includes:

- **Create storage space for up to 4 million acre-feet of water**, allowing us to capitalize on big storms when they do occur and store water for dry periods
- **Recycle and reuse at least 800,000 acre-feet of water per year by 2030**, enabling better and safer use of wastewater currently discharged to the ocean
- **Free up 500,000 acre-feet of water** through more efficient water use and conservation, helping make up for water lost due to climate change
- Make new water available for use by **capturing stormwater and desalinating ocean water and salty water in groundwater basins**, diversifying supplies and making the most of high flows during storm events

To match the pace of climate change, California must move smarter and faster to update our water systems. **The modernization of our water systems will help replenish the water California will lose due to hotter, drier weather, and generate enough water for more than 8.4 million households.**

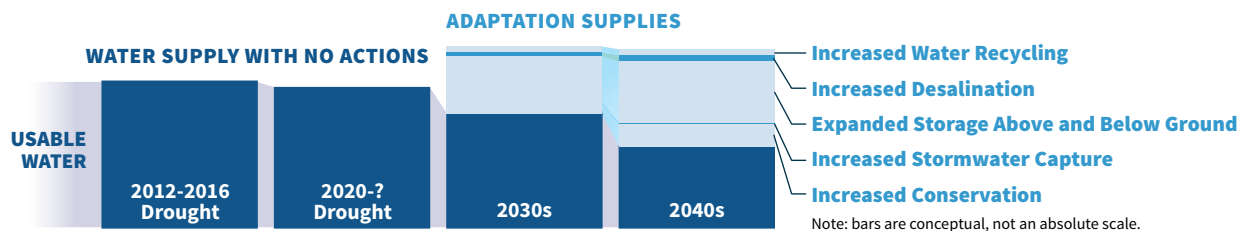
CALIFORNIA'S WATER SUPPLY STRATEGY

Adapting to a Hotter, Drier Future

This document outlines California's strategy and priority actions to adapt and protect water supplies in an era of rising temperatures.

Over the next 20 years, California could lose 10 percent¹ of its water supplies.

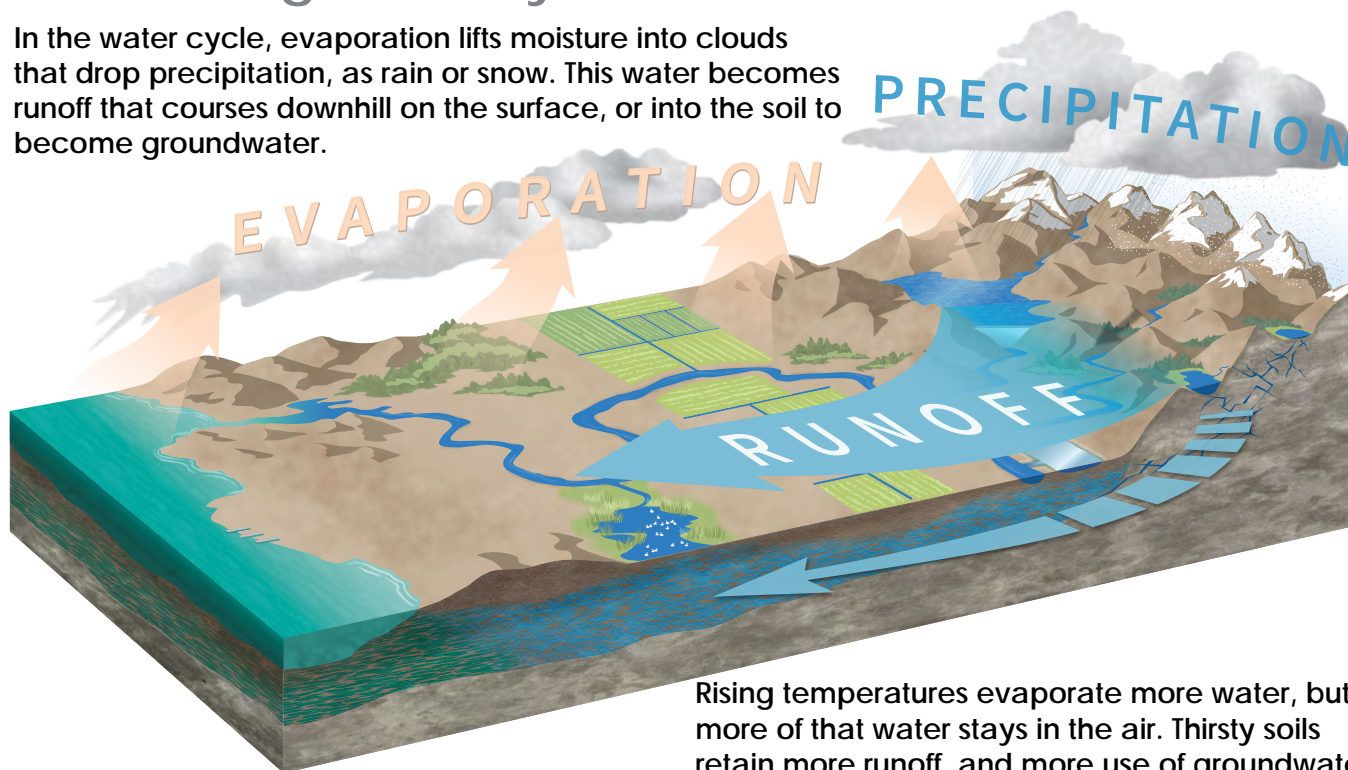
Our climate has changed, and the West continues to get hotter and drier. As it does, we will see on average less snowfall, more evaporation, and greater consumption of water by vegetation, soil, and the atmosphere itself.



In previous droughts the ratio of precipitation to evaporation to runoff has been similar. However, as temperatures rise, evaporation increases, with the consequence of a fall in runoff. As average temperatures continue to increase, the increase in evaporation will continue, with a concurrent drop in runoff.

The coming water cycle: the air claims more

In the water cycle, evaporation lifts moisture into clouds that drop precipitation, as rain or snow. This water becomes runoff that courses downhill on the surface, or into the soil to become groundwater.



Rising temperatures evaporate more water, but more of that water stays in the air. Thirsty soils retain more runoff, and more use of groundwater requires more water for recharging watertables.

¹ DWR estimates a 10% reduction in water supply by 2040. This is a planning scenario that considers increased temperatures and decreased runoff due to a thirstier atmosphere, plants, and soils. According to the California Water Plan Update, California's managed water supply ranges from 60-90 MAF per year so the effect of a drier climate results in a disappearance of about 6-9 MAF of water supply.

California's precipitation always has swung between drought and flood. Those swings are becoming more severe. Regardless of drought or flood, in this changed climate there will be less water available for people to use than there would have been in a cooler climate because of the way plants, soils, and the atmosphere use water as temperatures rise.

The volume of water used by people in California for agriculture, urban, and environmental purposes ranges from 60 million acre-feet per year to 90 million acre-feet per year. A loss of 10 percent of that volume to hotter, drier conditions could mean the disappearance of about six million acre-feet to nine million acre-feet of water supply. For comparison's sake, California's largest reservoir – Shasta – holds 4.5 million acre-feet.

Water underpins much of what we care about as Californians. To thrive and grow as a state, we will have to make up for a loss of supply. We must innovate, conserve, store, reuse, and repurpose water.

This document outlines four sets of actions the State will pursue to prepare California for its new climate reality.

These targeted actions aim to secure supplies for people, so that homes, schools, and businesses do not suffer disruptions, and the state's agricultural economy continues to thrive.

In concert with these actions, the State is working to protect fish and wildlife populations by removing stream barriers, restoring aquatic habitat, bolstering stream flows at ecologically important times, and expanding floodplains and wetlands.

The State also continues to make progress extending clean, safe drinking water to all Californians; in the last three years, the number of people impacted by failing water systems has fallen from 1.6 million to 934,000, and the state has delivered emergency drinking water assistance to 9,456 households and 150 water systems in this drought.

The actions in this strategy aim primarily to support the urban and suburban water systems that serve most Californians and to stabilize water supplies for agriculture. But benefits from these actions will extend to environmental protection and fulfillment of the right of every Californian to safe drinking water, and the State continues to advance those efforts apart from this strategy.

How California is taking action to protect community water supplies

The Water Resilience Portfolio has guided State water policy since July 2020 and will continue to do so. It is a comprehensive suite of actions that support local water resilience. However, the record-breaking temperatures and aridity of the 2012-16 drought, followed so closely by another stretch of similar conditions beginning in the winter of 2020-21, send a strong climate signal that we must heed. These new, more extreme conditions make clear that to secure water supplies, we must double down on a set of actions within the Water Resilience Portfolio, with haste.

Executing this strategy will require coordination with local, tribal, and federal partners to:

- 1) Develop new water through recycling and desalination.

- 2) Capture and save more stormwater, above ground and below ground.
- 3) Reduce use of water in cities and on farms.
- 4) Improve all water management actions with better data, forecasting, conveyance, and administration of water rights.

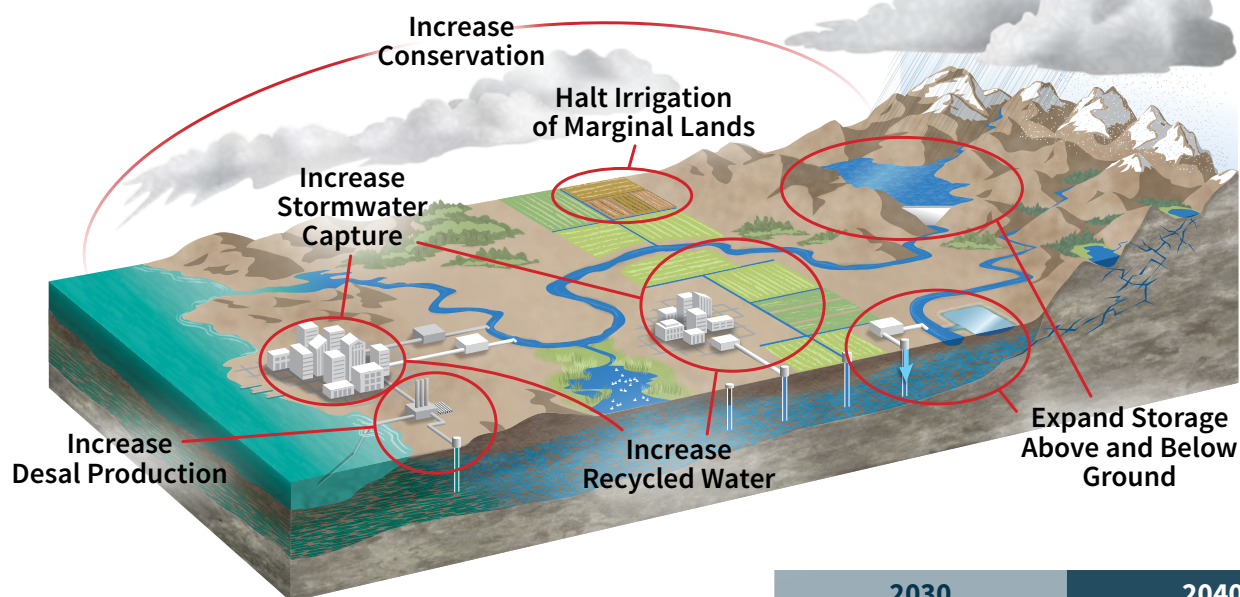
1. Develop New Water Supplies

Investments in wastewater recycling and desalination technology can help drought-proof communities.

- 1.1 Reuse at least 800,000 acre-feet of water per year by 2030 and 1.8 million acre-feet by 2040, with most of that additional recycling involving direct wastewater discharges that are now going to the ocean.

Closing the evaporative gap

To offset increased evaporation tied to warmer average temperatures, California must capture, recycle, de-salt, and conserve more water.



	2030		2040	
Increase Recycled Water	.8 MAF	About 5 MAF	1.8 MAF	About 7 MAF
Increase Desal Production	28,000 AF		84,000 AF	
Increase Stormwater Capture	.25 MAF		.5 MAF	
Increase Conservation	.5 MAF		.5 MAF	
SUBTOTAL FOR RECYCLED, DESAL, STORMWATER AND CONSERVATION	1.6 MAF		2.9 MAF	
Expand Storage Above and Below Ground*	3.7 MAF		4 MAF	
Total	4.8 MAF		6.9 MAF	

*Additional storage capacity does not equate to a similar volume of new water supply. MAF – million acre-feet.

Currently, recycled water offsets about nine percent of the state's water demand, about 728,000 acre-feet per year. The State Water Resources Control Board (State Water Board) has invested a total of \$1.8 billion in recycled water projects statewide over the last five years that are in various stages of development. Once completed, those projects will generate an additional 124,000 acre-feet of new water supply.

Approximately 1.5 million acre-feet per year of treated wastewater is currently discharged to California's ocean waters. Not all of this can be recycled, as some water is needed to discharge brine, and wastewater in some places provides critical streamflow for fish and wildlife. But in many places, communities can tap this resource to build water supply resilience.

Current regulations enable communities to use recycled water for drinking via a reservoir or aquifer, and in 2023, the State Water Board will establish direct potable reuse regulations that allow suppliers to distribute recycled water without first putting it into a reservoir or aquifer.

Implementation Steps:

- The State will consider greater investments and leverage federal dollars where possible to build on the \$3.2 billion in financing for water recycling projects that the State Water Board has provided to 94 projects since 2012. At roughly \$15,000 an acre-foot, it would require a state, local, and federal investment of approximately \$10 billion to achieve the 2030 goal and \$27 billion to achieve the 2040 goal of recycling an additional 1.8 million acre-feet of water.
- By January 1, 2024, the State Water Board will work with local water and sanitation agencies to identify recycled water projects that hold the potential to be operational by 2030 and by no later than 2040.
- The State Water Board will formalize a process currently underway by convening a strike team to identify and resolve permitting and funding obstacles.
- The State Water Board will track the permitting and funding status of recycled water projects with a public, digital dashboard.
- The State will support local water sustainability plans that include water recycling, including (but not limited to):
 - Operation NEXT/Hyperion 2035 (City of Los Angeles)
 - Pure Water San Diego (City of San Diego)
 - Integrated Water Resources Plan and Climate Action Plan (Metropolitan Water District of Southern California)
 - Water Supply Management Program 2040 (East Bay Municipal Utility District)
- The State Water Board will act on direct potable reuse regulations by December 2023.

1.2 Expand brackish groundwater desalination production by 28,000 acre-feet per year by 2030 and 84,000 acre-feet per year by 2040 and help guide location of seawater desalination projects where they are cost effective and environmentally appropriate.

There are 14 seawater desalination plants across the state, with a combined production capacity of approximately 89,000 acre-feet per year. Some are not operating at full capacity and could be positioned to generate additional water supplies in drought, much as “peaker” power plants operate in short bursts to support electricity reliability at times of peak demand. Another 23 brackish groundwater desalination plants have a combined production capacity of 139,627 acre-feet per year. Brackish groundwater requires significantly less energy to treat than seawater.

Proposals to build desalination projects along the coast must be approved under the Coastal Act, in addition to other regulatory requirements. As California becomes hotter and drier, we must become more resourceful with the strategic opportunity that 840 miles of ocean coastline offer to build water resilience.

Implementation Steps:

- By January 1, 2024, the Department of Water Resources (DWR) and the State Water Board, in coordination with local agencies, will identify the brackish desalination projects that have the potential to be operational by 2030 and by no later than 2040. The State will consider investing in grants to local agencies for planning and building desalination projects.
- By January 1, 2024, the State Water Board will review groundwater basins impaired by salts and nutrients and determine the volume of water available for brackish groundwater desalination.
- As the State's representative on the U.S. Department of Energy's five-year, \$100 million desalination innovation hub, DWR will continue to guide research investments towards technological breakthroughs that solve California desalination challenges.
- The State will help streamline and expedite permitting to provide better clarity and certainty to further desalination projects. To this end, by June 30, 2023, the State Water Board, Coastal Commission, DWR and other State entities (e.g. State Lands Commission) will develop criteria for siting of desalination facilities along the coast and recommend new standards to facilitate approval.
- Within the following year, these agencies will identify potential available mitigation sites to facilitate the expedited approval of desalination facilities. The State Water Board will consider amendments to the Desalination Policy in its Ocean Plan to streamline permits that meet the recommended siting and design standards for projects located in the identified priority areas.

2. Expand Water Storage Capacity Above and Below Ground by Four Million Acre-Feet.

While creating more space to store water in reservoirs and aquifers does not create more precipitation, and though having enough rain and snowfall to fill storage space is out of our control, we need diversion infrastructure, more places to park runoff, and the conveyance to eventually move the water to where it is needed to take advantage of fast-moving storms. Expanding storage capacity improves the ability to capture runoff

when diversions cause the least harm to the environment. Furthermore, apart from a hotter and drier climate, capturing water runoff is needed to help correct decades of over-pumping of groundwater basins.

2.1 Expand average annual groundwater recharge by at least 500,000 acre-feet.

Vast capacity to store water exists underground in California. Intentional, directed recharge of groundwater is one of the fastest, most economical, and widely available ways to harness the bounty of wet years to cope with dry years. It has the additional advantage of helping to halt or prevent land surface collapse due to over-pumping, which can damage roads, canals, and bridges. Expanding groundwater recharge requires adherence to laws, so that the environment and water users upstream and downstream are not harmed when streamflow is directed underground. With the multi-faceted suite of actions below, the State intends to help local water agencies to accelerate the pace and scale of groundwater recharge. These actions center on helping local agencies understand the best locations for recharge, analyze the impact of their recharge proposals on the environment and other water users, and expeditiously permit their projects.

Local agencies are developing groundwater recharge projects around the state. By the end of next year, the State cumulatively will have invested \$350 million in local assistance for recharge projects. In planning documents, local agencies have proposed more than 340 new recharge projects that, if built, could result in as much as 2.2 million acre-feet of additional stored water in a single wet year by 2030. Until those projects are permitted, it is unclear how much water those projects will have the capacity to divert to underground storage; multiple proposals may rely on the same sources of unappropriated water. But an additional 500,000 acre-feet is a reasonable estimate of the additional average annual recharge volume that may be obtained after these projects are vetted, permitted, and constructed.

California must be ready to respond to future wet winters. Fortunately, several processes already are in place that could be used to divert water from high-flow events to underground storage. Additional outreach, education, and technical assistance will be critical for preparing diverters for a potentially wet winter so that permits can be put in place before the start of the rainy season.

Should local actions become too fragmented or inefficient to maximize recharge opportunities, the state should consider a coordinated, state-level approach to provide for orderly, efficient disbursement of rights to high winter flows.

Implementation Steps: To help achieve this target, DWR and the State Water Board will continue to provide regulatory and technical assistance to local agencies that have received State funds to ensure that groundwater recharge project proponents can successfully navigate the regulatory processes. The State will weigh the following actions. Some would require additional investments and, possibly, regulatory changes.

- **Outreach:**

- DWR and the State Water Board will conduct a series of outreach activities to highlight temporary permitting pathways in advance of winter, to assess the status of

proposed recharge projects, and to better align state and local agencies to advance groundwater recharge. The outreach would focus on the use of an existing 180-day temporary permit process and would note that permit applications should be received no later than October 1 to be ready for diversions in January.

- By December 2022, DWR will evaluate a process whereby it files for 180-day temporary permits in certain watersheds on behalf of local agencies, in order to advance the development of the permit terms and conditions. DWR also would pay the filing fee, which could help facilitate local willingness to participate.

Technical Assistance:

- DWR will provide outreach and assistance to help connect potential diverters with State Water Board permitting staff to answer specific questions and provide information that enables effective permit applications.
- By October 2022, the State Water Board water right permitting staff will prioritize groundwater recharge permits.

Incentives:

- The State will weigh immediate and long-term incentives for recharge project applicants to pursue the State Water Board's streamlined recharge permitting pathway. Incentives could include:
 - Waiving of application costs partially or fully for a two-year period.
 - Connecting infrastructure funding to applications that use the State Water Board's streamlined underground storage permitting approach.
 - Prioritization of State funding for groundwater recharge projects that target high-flow events, which raise fewer concerns about the environment and other water right holders than projects that seek to capture water in "shoulder" seasons of spring, summer, and fall.
- DWR will expand its watershed modeling tools to better assess water available for recharge on a watershed basis.

Regulatory Streamlining:

- The State will streamline water right permits for recharge projects receiving DWR grants or conducted under DWR's Flood-Managed Aquifer Recharge Program.
- The State Water Board will develop permanent regulations for water availability analyses that specify methodologies, data, and alternatives for conducting such analyses.
- The Administration will pursue legislation to revise the water right application process to deliver decisions more quickly.

State Administration of Potential Recharge Flows:

- DWR and the State Water Board will develop a mechanism to create a more consistent, economical, and equitable approach for allocation of water rights for groundwater recharge. The initial proposal would focus on the State securing all reasonably available future flood flows in the Central Valley, allowing the State to

then allocate the available water in an orderly, holistic, equitable, and integrated approach. The process would:

- Level the playing field for local agencies, especially those that lack the resources to navigate the water right process.
- Set clear water availability metrics for every potential applicant, allowing for fair comparisons among applicants.
- Address equity concerns, including, for example, the need to protect domestic wells or abate subsidence.
- Leverage other funding opportunities.
- Spur tight coordination between the State Water Board and DWR in the allocation of water rights.

2.2 Work with local proponents to complete the seven Proposition 1-supported storage projects and consider funding other viable surface storage projects.

Seven locally-driven projects are underway to increase the state's overall capacity to store water by 2.77 million acre-feet – nearly three times the capacity of Folsom Lake. The seven projects are on track to receive a combined \$2.7 billion in state funding from Proposition 1, the 2014 water bond, once they meet the requirements imposed in the bond law. Four of the projects involve groundwater storage and three involve creation of a new or expanded reservoir. Two of these seven projects are likely to begin construction next year. Project proponents are working now to obtain permits, arrange financing, finalize environmental documents, and negotiate contracts with state agencies for the delivery of public benefits from the projects, including environmental flows.

Implementation Steps:

- To formalize, streamline and continue existing efforts, the California Natural Resources Agency and the California Environmental Protection Agency will establish an interagency strike team to facilitate state permitting and support completion of these projects.
- Water Commission staff will continue to monitor development of the seven Proposition 1 projects closely.
- Permit teams from the California Department of Fish and Wildlife (CDFW) and the State Water Board will continue working with applicants and with other state agencies to inform and advance the development of contracts for administration of public benefits.
- Water Commission, DWR, CDFW, and State Water Board teams will continue robust coordination, and working with applicants to draft and execute contracts for administration of public benefits.

2.3 Expand San Luis Reservoir by 135,000 acre-feet.

The federal government is proposing to expand San Luis Reservoir in Merced County to capture more winter storm runoff. In extremely wet years like 2017, San Luis fills and California misses an opportunity to capture and store even more water for use during

subsequent dry years. The project would expand the capacity of the two-million acre-foot reservoir by 130,000 acre-feet -- enough to supply nearly 400,000 homes a year. DWR is working with the U.S. Bureau of Reclamation (Reclamation) on this proposed project and sees it as an important part of a set of inter-related joint projects to benefit the Central Valley Project and State Water Project, which include upgrading the San Luis Reservoir dam for earthquake safety, modernizing conveyance of water through the Sacramento-San Joaquin Delta, and restoring capacity lost due to subsidence at major Central Valley canals.

Implementation Steps:

- In December 2019, Reclamation and DWR announced a partnership to move forward on the seismic upgrade. Reclamation and DWR celebrated the groundbreaking of the project in June 2022. Construction is expected to finish in 2028. DWR will continue to work with Reclamation to complete the seismic upgrade and expansion.

2.4 Rehabilitate dams to regain storage capacity.

As of May, 112 California dams are rated “less than satisfactory” by State dam inspectors, and the reservoirs behind 41 of those dams cannot be filled beyond a certain level in order to protect public safety. The loss of storage is about 350,000 acre-feet per year. Accelerating dam safety repairs would help local water districts regain lost storage capacity and improve public safety. While this has historically been a federal or local obligation, the Legislature and Administration enacted additional funding to support dam owners faced with costly repairs.

Implementation Steps:

- DWR will administer the \$100 million in the 2022-23 budget for local dam safety projects and flood management.

2.5 Support local stormwater capture projects in cities and towns with the goal to increase annual supply capacity by at least 250,000 acre-feet by 2030 and 500,000 acre-feet by 2040.

Over the last 30 years, an average of approximately 324,000 acre-feet of stormwater a year has been captured and recharged in communities in the South Coast alone. While this value varies from year to year, during the exceptionally wet winter of 2004-05 over 900,000 acre-feet of runoff was captured and infiltrated into the local groundwater basins. The size, cost, and feasibility of stormwater capture projects vary greatly by location. It is extremely difficult for stormwater agencies to accurately measure stormwater capture volume and to predict potential due to uncertainties with annual precipitation.

Implementation Steps:

- Through permitting and funding, the State will incentivize local agencies to develop stormwater capture projects and help offset the cost of completing these projects, including through stormwater crediting systems to encourage public-private partnerships.

- The State Water Board will hire a contractor to provide an estimate of current stormwater capture and use statewide and then re-evaluate every five years progress towards the 2030 and 2040 goals.

3. Reduce Demand

3.1 Build upon the conservation achievements of the last two decades to reduce annual water demand in towns and cities by at least half a million acre-feet by 2030.

During the 2012-2016 drought, Californians did their part to conserve water, with many taking permanent actions that continue to yield benefits; per capita residential water use statewide declined 21 percent between the years 2013 and 2016 and has remained on average 16 percent below 2013 levels as of 2020. Californians need to step up again in this current drought. The State set a target of 15 percent for statewide conservation. Californians have made progress toward that goal in the summer of 2022, but more is needed to cope with the intense drought at hand and for the long term.

California enacted laws in 2018 to set new efficiency standards for how people use water in homes and businesses in ways that make sense in each region. These standards will drive fully-efficient water use in communities and eliminate water waste, even as communities continue to grow. The 2018 legislation calls for these standards to be met by 2030. The State Water Board is on track to set those new standards, informed by extensive data collection and analysis and recommendations from DWR. The recommended standards for indoor and outdoor water use for residential, commercial, industrial, and institutional water use could save 450,000 acre-feet per year starting in 2030. This amount of water would support 1.35 million homes, and the savings would prevent urban water use from rising as much as it would otherwise as population grows and more housing is built. These new standards would not apply to individual Californians, but local water suppliers must ensure the standards are met.

Given the acute need to conserve water in a potentially fourth dry year, the State Water Board will develop emergency conservation measures that would expedite implementation of conservation in a way that is already mandated through the 2018 laws. If drought conditions persist, the new short-term requirements could take effect no later than spring 2023. The new requirements would consider the relative efficiency of each supplier. These new efficiency targets would therefore work as a bridge to take California from voluntary measures to efficiency-based, water-use budgets that account for differences in climate zones, landscape area, population, and other factors.

In addition, the Administration sponsors a robust campaign to motivate urban Californians to save water and is working to accelerate the transition of turf to landscapes that use less water. To this end, the State will partner with local agencies to convert 500 million square feet of ornamental turf by 2030, with corresponding investments in programs and policies that incentivize turf conversion. Removal of 500 million square feet of turf could generate 66,000 acre-feet of water savings each year at an estimated cost of \$1 billion.

Implementation Steps:

- The State Water Board will develop short-term efficiency-based conservation targets for every urban retail water supplier based on their unique characteristics like climate zone, water demand, residential landscape area, and population. The Board will compare water suppliers' actual use to their estimated efficient use target and assign them a percent reduction, with a higher reduction target for suppliers whose actual use is further from their efficient use target.
- DWR and the State Water Board will target grants to help local water districts achieve efficiency targets, using funding recently approved by the Legislature.
- The State-run Save Our Water campaign will continue to educate Californians about the severity of the current drought and the need to make water conservation a permanent, daily practice.
- DWR will establish a grant program to support local efforts to replace ornamental turf with drought-tolerant landscaping and—where schools and parks require turf—to make turf irrigation and maintenance more efficient, with a focus on disadvantaged communities.
- The State Water Board will advance adoption of new long-term water use efficiency standards, per existing statute (2018).
 - Once DWR provides its formal recommendations, the State Water Board will begin the process for enacting the regulation to ensure the rule will be in effect by January 1, 2024.

3.2 Help stabilize groundwater supplies for all groundwater users, including a more drought-resilient agricultural economy.

California irrigated agricultural acreage declined by 1 million acres between 2002 and 2017. The approximately eight million acres of irrigated farm and rangeland will shrink by at least an estimated additional 500,000 acres to one million acres between now and 2040 as local agencies transition to groundwater use that is sustainable over coming decades. The conserved water should support a more drought-resilient agricultural economy that retains its vitality.

Implementation Steps:

The State will:

- Continue to implement the Sustainable Groundwater Management Act (SGMA) to protect communities, agriculture, and the environment against prolonged dry periods and climate change, preserving water supplies for existing and potential beneficial use.
- Support local water demand management that includes changes to cropping patterns and fallowing by building upon this year's investment of \$40 million in grants to regional organizations working to reduce groundwater reliance and create local environmental and economic opportunities through land-use changes.
- Continue to support conservation and water efficiency practices by agricultural producers.
- Support flexibility in local land use decisions to protect beneficial uses and users.

- Continue direct investment and technical assistance in drought relief for agriculture with dedicated funding to assist socially disadvantaged and underserved populations.

4. Improve Forecasting, Data, and Management, including Water Rights Modernization

Crucial to achieving the water supply actions described here is a common, readily-available set of facts about water supply and use, better forecasting, and integrated use of data and technology. Water rights modernization and reform are critical to ensuring we can efficiently and effectively adapt to a changing climate.

4.1 Improve data collection and modernize forecasts for a changed climate.

Sierra snowpack provides about a third of the water people use in California, yet the existing approach to forecasting snowmelt runoff dates to the 1950s.

To account for climate change, we must simulate the physics of interactions among the atmosphere, water as rain or snow, and the land surface – and we need to do this for individual watersheds, incorporating site-specific features like slope orientation and depth of soil. This requires timely data collection.

Implementation Steps:

The State will:

- Continue to invest in the human and technical resources needed to improve predictions and forecasting for water supply planning.
- Advance a multi-agency effort to install 430 new stream gages and upgrade or re-activate 200 more across the state. These gages provide real-time surface water data for enhanced drought management and flood response.
- Work with the U.S. Army Corps of Engineers leadership to accelerate the pace at which the manuals guiding reservoir operations are updated to reflect a changed climate.

4.2 Improve the flexibility of current water systems to move water throughout the state.

California depends upon aging, damaged, or increasingly risk-prone infrastructure to transport water between different areas of the state. Modern infrastructure and tighter coordination between the state's two major water projects would expand capacity to move water when it is available.

The state and federal water projects are fed by levee-lined channels in the Sacramento-San Joaquin Delta. This Delta infrastructure faces serious threat of failure due to storm surge, sea level rise, and earthquakes that could collapse levees. Loss of this water supply for any amount of time poses significant risk to farms, businesses, and most California homes. South of the Delta, major canals have been damaged by subsidence caused by the over-pumping of groundwater, restricting the capacity to move water when it is available.

DWR proposes to modernize State Water Project (SWP) conveyance in the Delta. Had the proposed project been operational in 2021, the project could have captured and

moved an additional 236,000 acre-feet of water into San Luis Reservoir during that winter's few large storms.

Administrative hurdles also limit flexibility to move water. Every year for the last 10 years, the federal and state water projects have applied to the State Water Board for temporary flexibility in the locations where water diverted by either project may be used. These "consolidations of the authorized places of use" of the SWP and the Central Valley Project last only a year and require repetitive work by all parties involved. A permanent change to allow for consolidated place of use among the projects would make water transfers easier and lay the groundwork for discussions about future operation of the two projects.

Implementation Steps:

- DWR will advance the design of and the draft environmental impact report for the proposed Delta conveyance project, which would construct new intakes along the Sacramento River and a tunnel under the Delta to safeguard SWP deliveries and ensure that the SWP can make the most of big but infrequent storm events.
- DWR will disburse \$100 million included in the 2022-23 state budget to support costs of repairing four major San Joaquin Valley canals damaged by subsidence.
- DWR and the State Water Board will chart a work plan to address the resources needed for preparation, submittal, and consideration of a joint place of use petition from the federal and state water projects.

4.3 Modernize water rights administration for equity, access, flexibility, and transparency.

The foundation of how California manages water rights dates to the Gold Rush and has not evolved in step with changing public values and management needs. The State Water Board is challenged to provide timely, useful, and meaningful information to guide state and local water management decisions, which are especially vital during periods of drought.

Other western states including Washington, Oregon, Nevada, and Idaho manage water diversions much more nimbly than California, which puts them in better position to adjust to what many call "aridification" – the transition to a drier climate. The ability to adjust diversions quickly also is crucial to protecting fish and wildlife, other water right holders, and public health. To make a century-old water right system work in this new era, the State Water Board needs accurate and timely data, modern data infrastructure, and increased capacity to halt water diversions when the flows in streams diminish. These improvements are a necessary predicate to modernize our water rights system in a manner that respects water right priorities and aligns with current public values and needs.

Implementation Steps:

The State Water Board will:

- Continue to build upon efforts started last summer with the investment of \$30 million to digitize existing paper records and rebuild the state's water right data management system.

- Develop pilot projects in two or three watersheds over the next five years to collect real-time diversion data and integrate the data into the State Water Board's water rights data system, with lessons learned and outcomes used to inform statewide tools needed for administering an efficient and effective water rights system.
- Develop data and analytical tools for implementing the water right priority system for an estimated 10 to 15 watersheds.
- Support modeling staff to develop more robust supply/demand models for the Delta watershed.
- Consider adopting regulations that would allow for curtailments of water rights in years when there is not a declared drought emergency. The State currently lacks the authority in most years to implement the priority water rights system without a declared drought emergency.
- Support enforcement staff to help address illegal and unauthorized diversions during dry conditions.
- Consider regulations, legislation, and pursuing resources needed to streamline and modernize the water right system, clarify senior water rights, and establish more equitable fees.

Why target these actions?

The last three years of record-breaking drought made painfully real the hotter, drier pressures on water systems. These four major sets of actions would put to use water that would otherwise be unusable, stretch supplies with efficiency, and expand our capacity to bank water from big storms for dry times. They are designed, in other words, for a climate prone to weather whiplash.

These actions alone will not eliminate local water supply risk. The variability of rain and snow is too great, as is the uncertainty about which projects local agencies will implement. These actions aim to spur local agency adaptation to a new reality and change the way the State does business in order to better support local and regional water management efforts.

Who will carry out this strategy?

The state and federal governments each operate large water delivery systems in California, but local water districts and counties have primary responsibility for getting supplies to homes and businesses. Thousands of local and regional entities play a role in water management. Implementation of this strategy will require decisive state action. It will also require partnerships, as local agency leaders, federal partners, farmers, other business owners, and individual Californians are essential actors in carrying out this plan. To ensure successful implementation in such a decentralized system, the State must lead, set goals, provide incentives, and be prepared to exert greater authority when necessary.

The State will prioritize its funds and human resources to support local projects that satisfy state planning and permitting requirements to protect natural resources and help us

collectively reach the targets outlined above. The State will invest in forecasting and data and water right administration – including real-time tracking of water use – to improve all water management actions by state, local, federal, and private entities. The State will also ensure that California’s response advances equity and takes into account communities that are most at risk from climate change and that have experienced environmental injustices.

Water affordability is key to ensuring the human right to water – established in California law -- in the face of a hotter, drier state. The State has made strides in promoting affordability through provision of low-interest loans and grants to support infrastructure and planning for water systems, and by addressing pandemic-related water debt. However, the increased investments in infrastructure necessary to meet our future water supply needs will put additional pressure on affordability. The State will identify how best to support low-income households and address community affordability of water systems. Electric and communication utilities have programs to ease cost burdens on low-income members of the community, and it is important to address this in the water utility sector in a way that is workable and sustainable from a state budget perspective.

Where local agencies fail to build water resilience, the State will exert greater regulatory authority or work with the Legislature to gain authority to do so.

Moving Smarter and Faster

Climate change uniquely affects California’s regions. This document articulates statewide targets for certain water management strategies, but achieving those overarching goals requires solutions at the local level, where the opportunities and challenges of each watershed vary tremendously. To encourage collaboration across watersheds that leads to greater statewide water resilience, the State will work with stakeholders and the Legislature to create:

- A funding program that incentivizes water users to develop regional targets for recycling, desalination, storage, efficiency, and other water management strategies.
- An expedited permitting path for water projects that help regions achieve those targets.

In order to deliver the pace and scale of projects necessary to meet this unprecedented climate challenge, we must modernize regulatory structures and expand staff capacity so that State agencies can assess, permit, fund and implement projects at the pace this climate emergency warrants.

The Administration will work with the Legislature and stakeholders to pursue the following:

- A more expeditious process for completing, reviewing and finalizing California Environmental Quality Act (CEQA) reviews and Water Code proceedings for critical water infrastructure projects to build drought and flood resilience.
- A voluntary permitting process for water infrastructure projects administered by the Governor’s Office of Planning and Research (OPR). State agencies would retain authority to review, identify, and address environmental impacts, but the OPR would expedite the collective permitting process. This proposed process would not be an

option for water projects already under environmental review. The Administration would work with the Legislature to determine eligibility criteria for this voluntary process.

- Legislation, where appropriate, and regulations that would allow for curtailments of water rights in years when there is not a declared drought emergency. The State currently lacks the authority in most years to implement the priority water rights system without a declared drought emergency.

The Administration will:

- Develop water availability analysis guidelines for water right applications that account for high-flow periods on fully appropriated streams and the way climate change is shifting the seasonality and intensity of runoff. Develop permanent State Water Board regulations that specify the data and methodologies to be used for conducting such analyses in order to remove the current ambiguity about regulatory requirements.
- Establish a State Water Board, DWR and the California Department of Food and Agriculture “Groundwater Recharge Coordinating Committee” to jointly implement the groundwater recharge initiatives.
- Establish programmatic permitting for projects of a similar nature (such as water recycling or habitat restoration) in order to lower costs, simplify process, and speed permit approval.
- Institutionalize early alignment and regular internal coordination across state agencies on the permitting of water supply adaptation projects.

Conclusion

The world is getting hotter. The increased heat will intensify the natural swings in California’s climate and shrink water supplies. Targeted state funds and focus will support local efforts to conserve, capture, recycle, and de-salt enough water to allow California communities to prosper in a hotter, drier climate.





To: Kern Delta Water District Board of Directors

From: Steven Teglia – General Manager

Date: August 16, 2022

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 July 28, 2022.
- Next meeting will be August 25, 2022.
- Authorization to use teleconferencing for meetings.
- Current allocation for SWP – 5%.
- Delta Conveyance project timeline (attached).
- Summary of groundwater and overdraft correction accounts (attached).
- Notice of Public Hearing for the FY 2023-24 Zones of Benefit.

Kern Fan Authority:

- The KFA meeting of June 22, 2022 was canceled.
- 2022 Water Supply Review.
- Review of KCWA Board agenda.
- Local SGMA activities.
- Other activities (IRWMP/CVSALTS).

[Kern River Groundwater Sustainability Agency \(KRGSA\):](#)

- The KRGSA met August 4, 2022 (agenda attached).
- Basin SGMA Implementation Grant Update (Basin Study/Land IQ/Subsidence Monitoring/Monitoring Network Improvements).
- Approval of Cost Share Agreement for Lawrence Berkeley Lab Subsidence Study.
- Approval of several IRWMP Grant Support Letters.

Kern Groundwater Authority (KGA):

- The KGA met June 22, 2022 and July 20, 2022.
- Authorization to use teleconferencing for meetings.
- Bains Study/SGMA Implementation Grant update/Approval of Agreements.
- Westside WDA to take steps to form GSA.
- Public Hearing to Consider Adoption of KGA Amended GSP.

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

- The KRWCA meeting of August 4, 2022 was canceled.
- Kern Water Collaborative Update.
- On Farm Drinking Water Well reports due Dec. 31, 2022 (BC Labs removed / BSK Labs added).
- Next meeting September 1, 2022.

South Valley Water Resources Authority:

- The SVWRA met August 5, 2022.
- Fish Friendly Diversion Pilot Project update.
- Blueprint activity update.

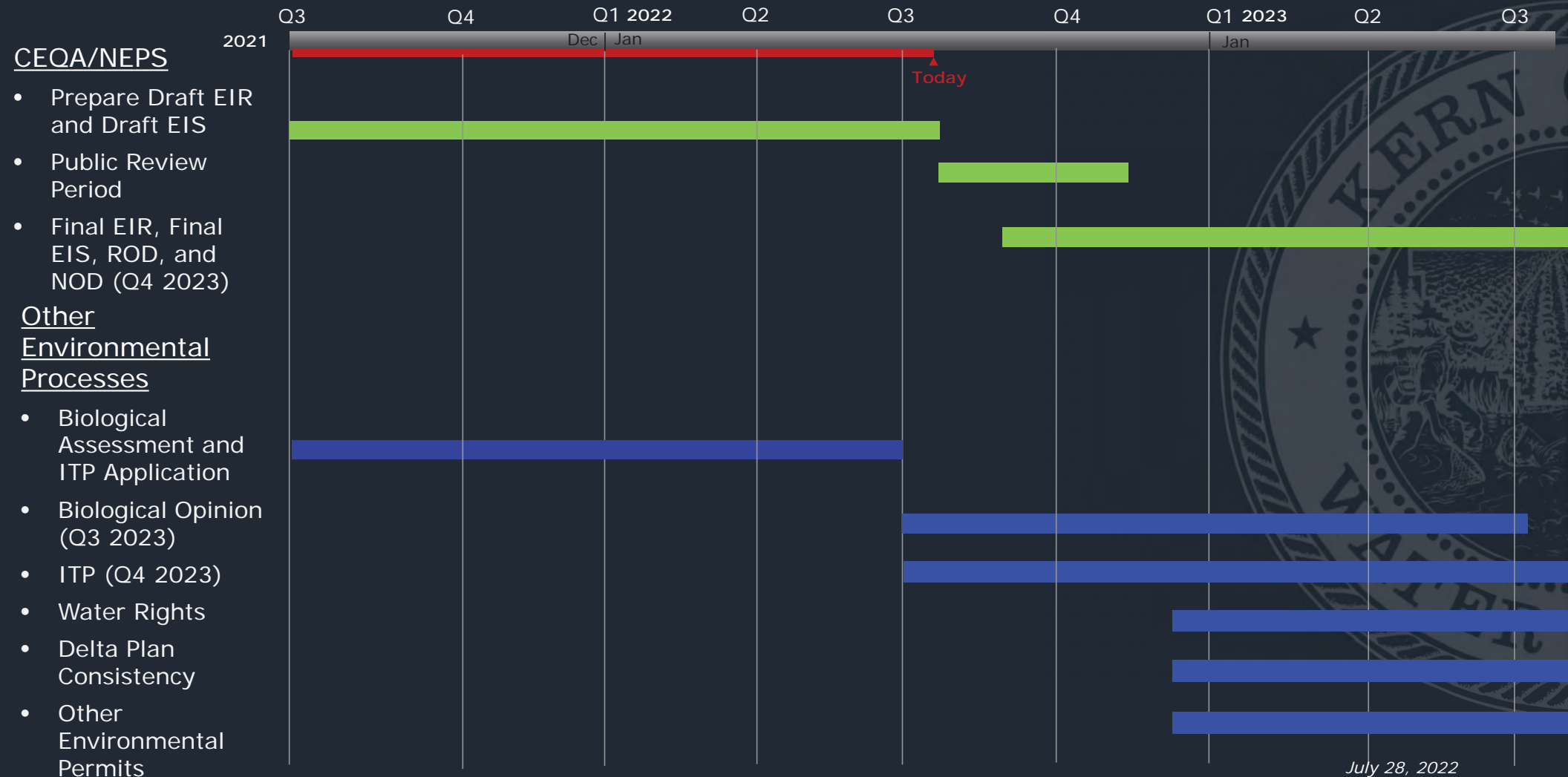
Integrated Regional Water Management Plan:

- Meeting held June 20, 2022.
- Review and prioritization of submitted projects.

Water Association of Kern County (WAKC):

- The WAKC met July 26, 2022 (Legislative Update Lunch).
- 2023 Proposed Budget Review.
- Summer Advertising Campaign Review.
- Planning for Nov. 9th Annual Meeting Dinner.

Delta Conveyance Planning and Permitting Timeline



**Kern County Water Agency
Estimated Summary of Overdraft Correction Accounts
As of June 30, 2022**

Preliminary - Subject to Revision

Quantities in acre-feet

District	Estimated Balance as of December 31, 2021	Estimated Balance as of June 30, 2022				
		Pioneer Property	2800 Acres	Pioneer Project Subtotal	Berrenda Mesa	Kern Water Bank ^[1] Total
Buena Vista WSD	46,247	39,246	0	39,246	0	46,247
Henry Miller WD	65,209	42,526	375	42,901	2,584	65,209
Kern County Water Agency	55,030	35,356	7,121	42,477	0	55,030
Kern Delta WD	80,079	57,032	409	57,441	1,508	80,079
Rosedale-Rio Bravo WSD	214,829	158,627	4,190	162,817	2,725	214,829
Total	461,394	332,787	12,095	344,882	6,817	461,394

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

**Kern County Water Agency
Estimated Summary of Groundwater Bank Accounts
As of June 30, 2022**

Preliminary - Subject to Revision

Quantities in acre-feet

District	Estimated Balance as of December 31, 2021	Estimated Balance as of June 30, 2022				
		Pioneer Property	2800 Acres	Pioneer Project Subtotal	Berrenda Mesa	Kern Water Bank
Belridge WSD	76,542	64,474	5,170	69,644	2,995	0
Berrenda Mesa WD	81,312	57,643	2,739	60,382	9,739	0
Buena Vista WSD	37,703	31,064	1,939	33,003	0	4,700
Cawelo WD	0	0	0	0	0	0
Dudley Ridge WD	40,084	0	0	0	0	35,369
Henry Miller WD	5,365	5,365	0	5,365	0	0
Improvement District No. 4	209,231	38,616	8,013	46,629	0	147,092
Kern County Water Agency	191,091	103,700	60,099	163,799	3,499	17,958
Kern Delta WD	23,285	23,285	0	23,285	0	0
Lost Hills WD	80,661	52,059	22,291	74,350	5,485	0
Rosedale-Rio Bravo WSD	37,391	22,391	0	22,391	0	0
Semitropic WSD	228,644	25,276	42	25,318	0	193,952
Tehachapi-Cummings CWD	5,820	0	0	0	0	5,820
Tejon-Castac WD	56,240	2,193	1,247	3,440	0	50,786
Westside Mutual Water Co.	330,591	0	0	0	0	276,816
Wheeler Ridge-Maricopa WSD	149,285	6,903	11,837	18,740	6,546	93,251
Total	1,553,245	432,969	113,377	546,346	28,264	825,744

1,400,354



Board Members:
Rodney Palla, Chair
Gene Lundquist
Bruce Freeman

KERN RIVER GSA REGULAR MEETING

Thursday, August 4, 2022
10:00 a.m.

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

AGENDA

- 1. CALL TO ORDER**
- 2. ROLL CALL**
- 3. PUBLIC STATEMENTS**
- 4. APPROVAL OF MINUTES** of the July 7, 2022, Regular Meeting
- 5. NEW BUSINESS**
 - A. Correspondence Received (City Clerk, Chianello)
 - B. Finance Updates (McKeegan, Beard)
 - i. Authorization to Distribute Prop. 1 Grant Retention Funds
 - ii. Receive and File Financial Report
 - C. Management Group Updates (Beard, Chianello, Teglia)
 - i. Basin Coordination Committee Updates
 - a. Lawrence Berkeley National Lab – Subsidence Study
 1. Approval of Basin Cost Share
 - ii. Approval of Support Letter for Proposition 1 Round 2 IRWMP Grant
 - a. City of Bakersfield's Kern River Canal Backup Weir Reconstruction Project
 - b. Arvin Edison WSD's Frick Unit In-Lieu Project
 - c. Oildale Mutual Water Company's Meter Installation Project
- 6. COMMITTEE COMMENTS**
- 7. ADJOURNMENT**



To: Kern Delta Water District Board of Directors

From: Steven Teglia – General Manager

Date: August 16, 2022

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 August 9, 2022, Kern Fan groundwater recovery was approximately 505cfs from 156 wells, as reported via KCWA weekly call.
- See attached graphs provided by KCWA for 2022 Kern Fan recovery information through June 30, 2022.

Pioneer Participant Meeting:

- The Pioneer Project Participants met August 11, 2022.
- Update/overview of pending projects.
- Update on James Water Bank/Central and South Pioneer Improvements.

Kern Fan Monitoring Committee:

- The Kern Fan Monitoring Committee met July 20, 2022.
- Update on reports.
- Review of water level monitoring hydrographs.
- Next meeting scheduled for September 21, 2022.

KDWD Water Banking Project:

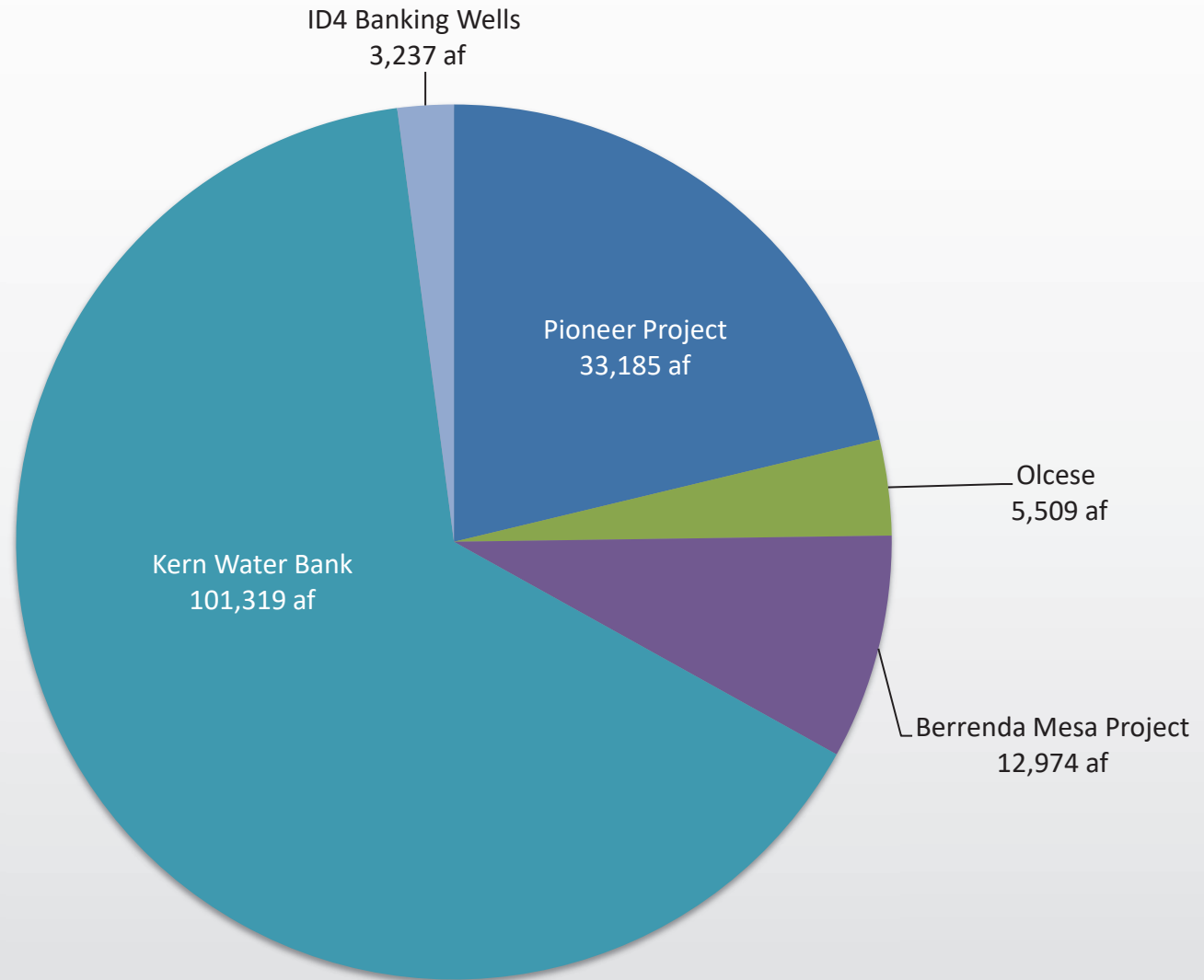
- MET has provided the District with an official request for the return of regulated water for calendar year 2022. The District has initiated the return of regulated water to MET via several exchanges. This includes exchanges with ID-4 and a three-party exchange with Rosedale Rio Bravo and Arvin Edison.
- SBVMWD has requested the return of regulated water for calendar year 2022. The District has scheduled this return via the exchanges listed above.
- Multiple District wells are currently recovering previously banked groundwater.

Cross Valley Canal Advisory Committee:

- The CVC Advisory Committee met July 27, 2022.
- Update on Pre-Expansion Hydraulic Analysis Study.
- See attached graphs provided by KCWA regarding CVC utilization.

Kern Fan Banking Projects

2022 Estimated Gross Recovery by Project Through June 30, 2022

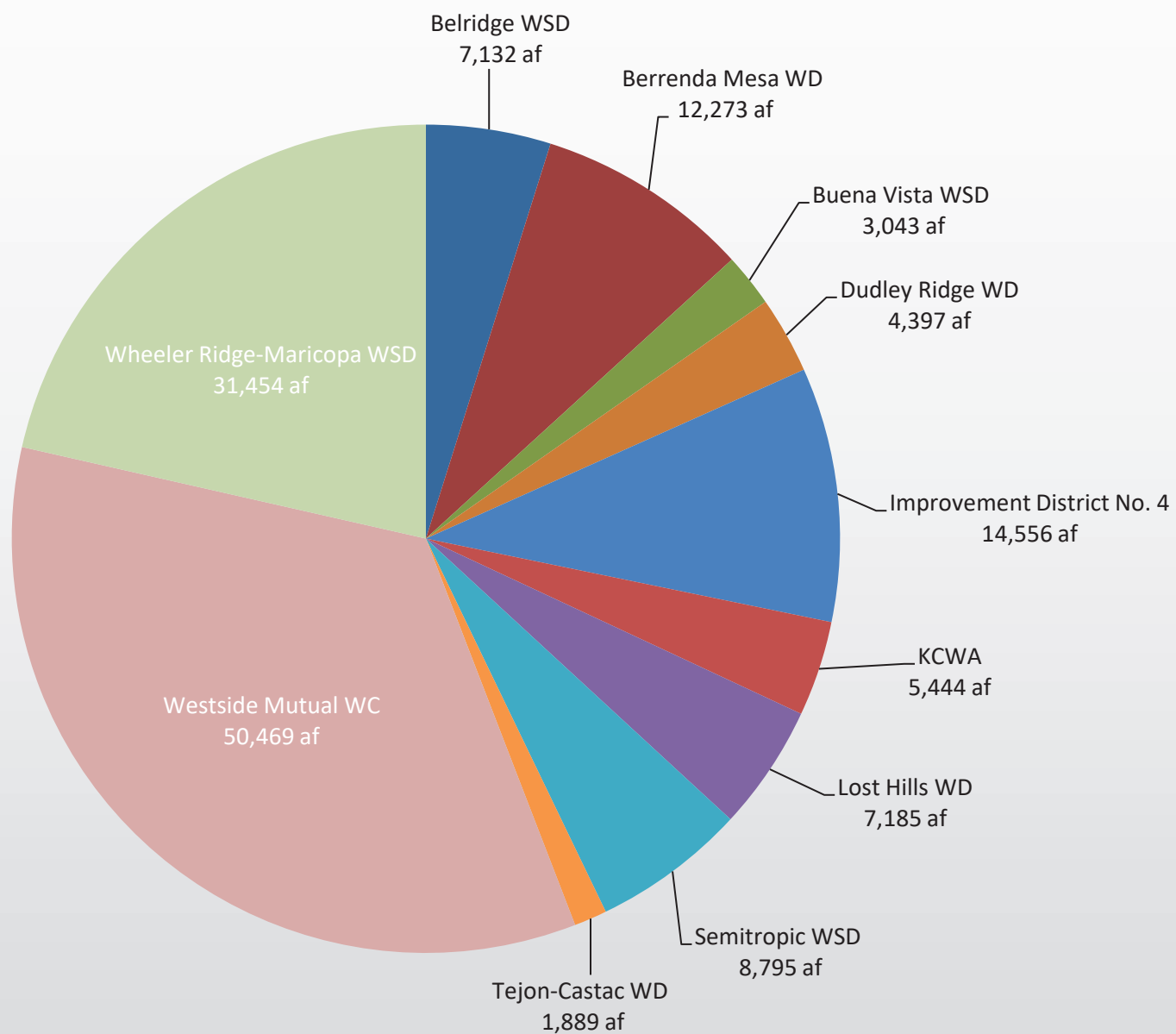


Total Gross Recovery 156,224 af

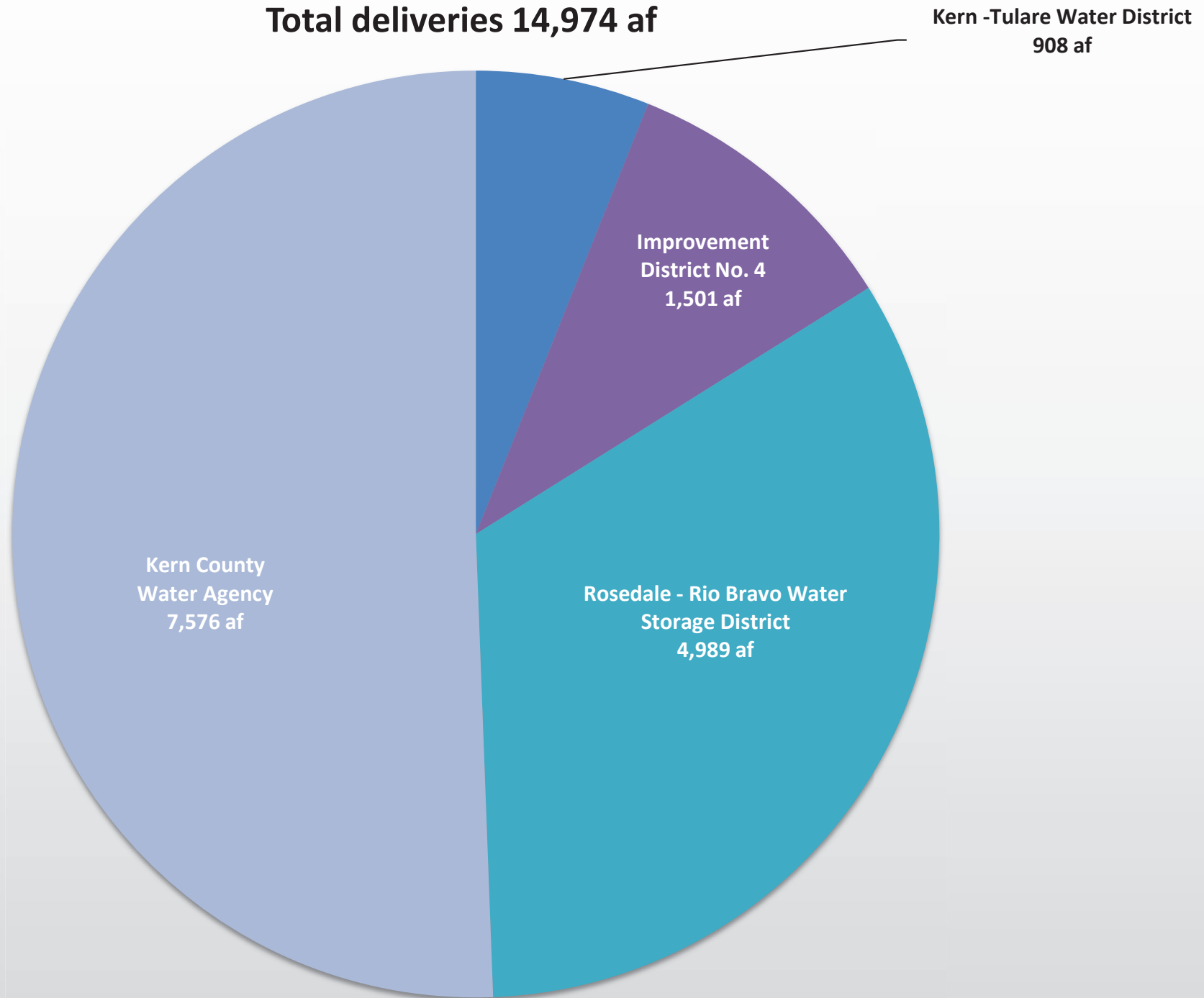
Kern Fan Banking Projects

2022 Estimated Recovery by Participant

Through June 30, 2022



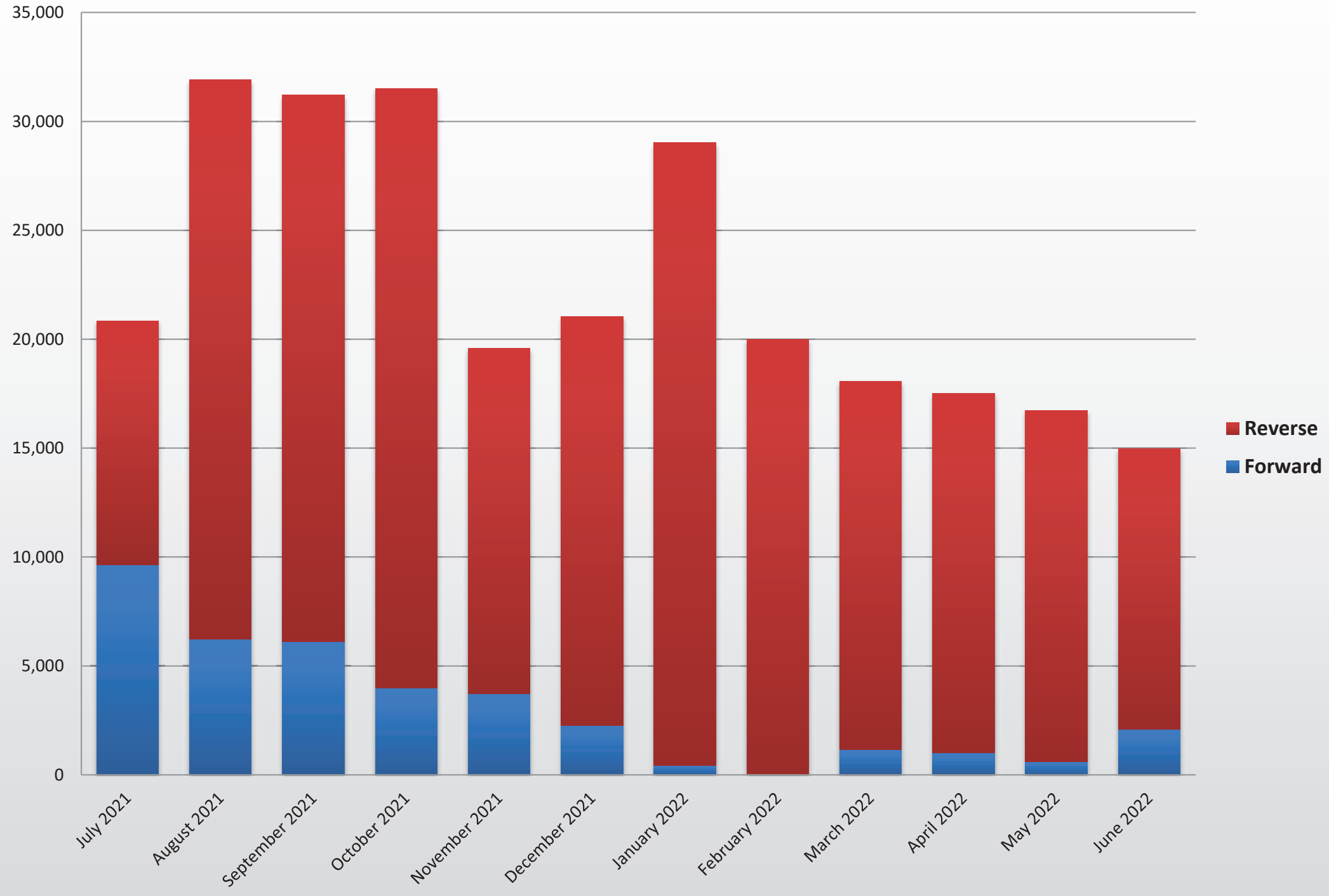
**Cross Valley Canal
June 2022 Deliveries
Total deliveries 14,974 af**



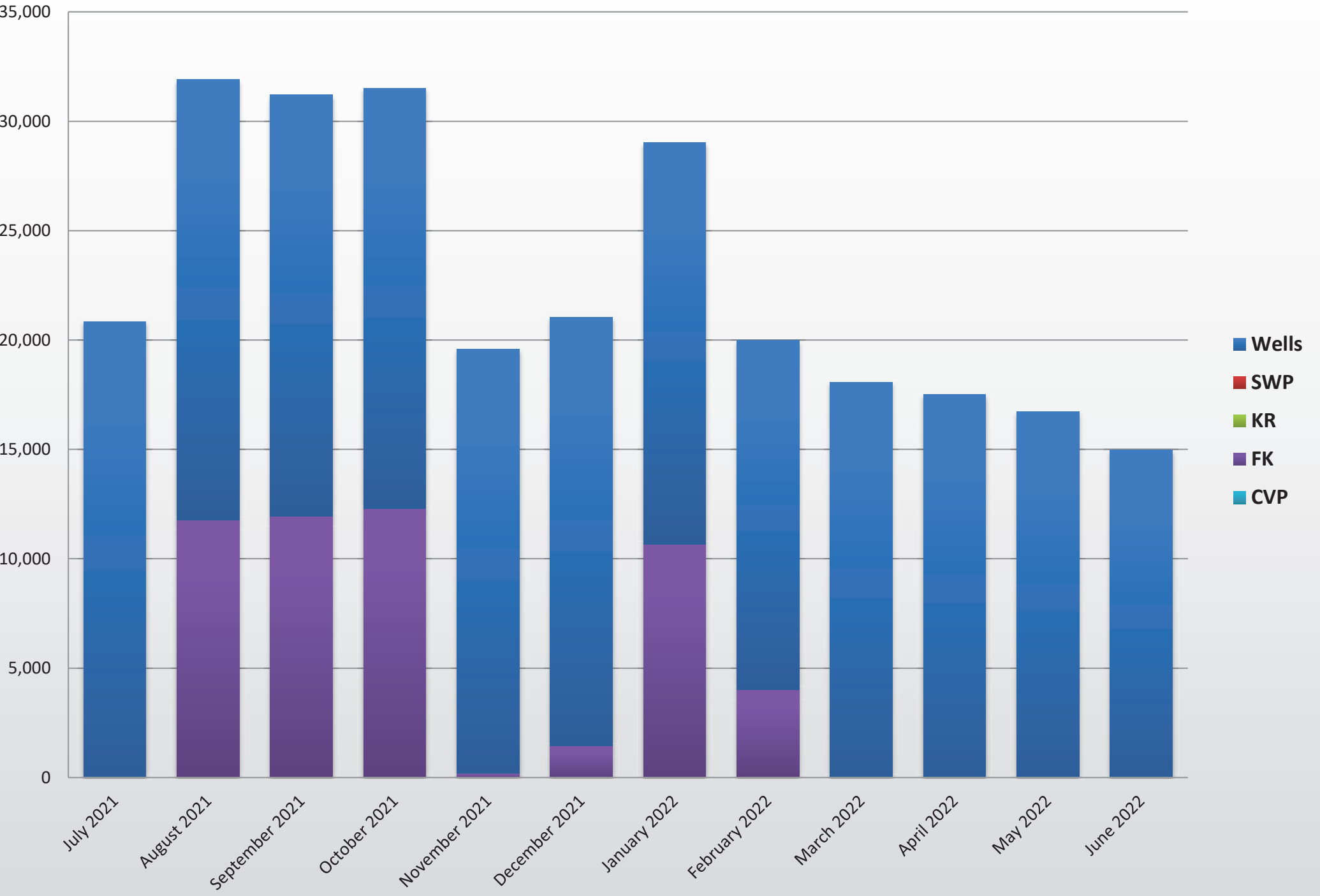
Cross Valley Canal

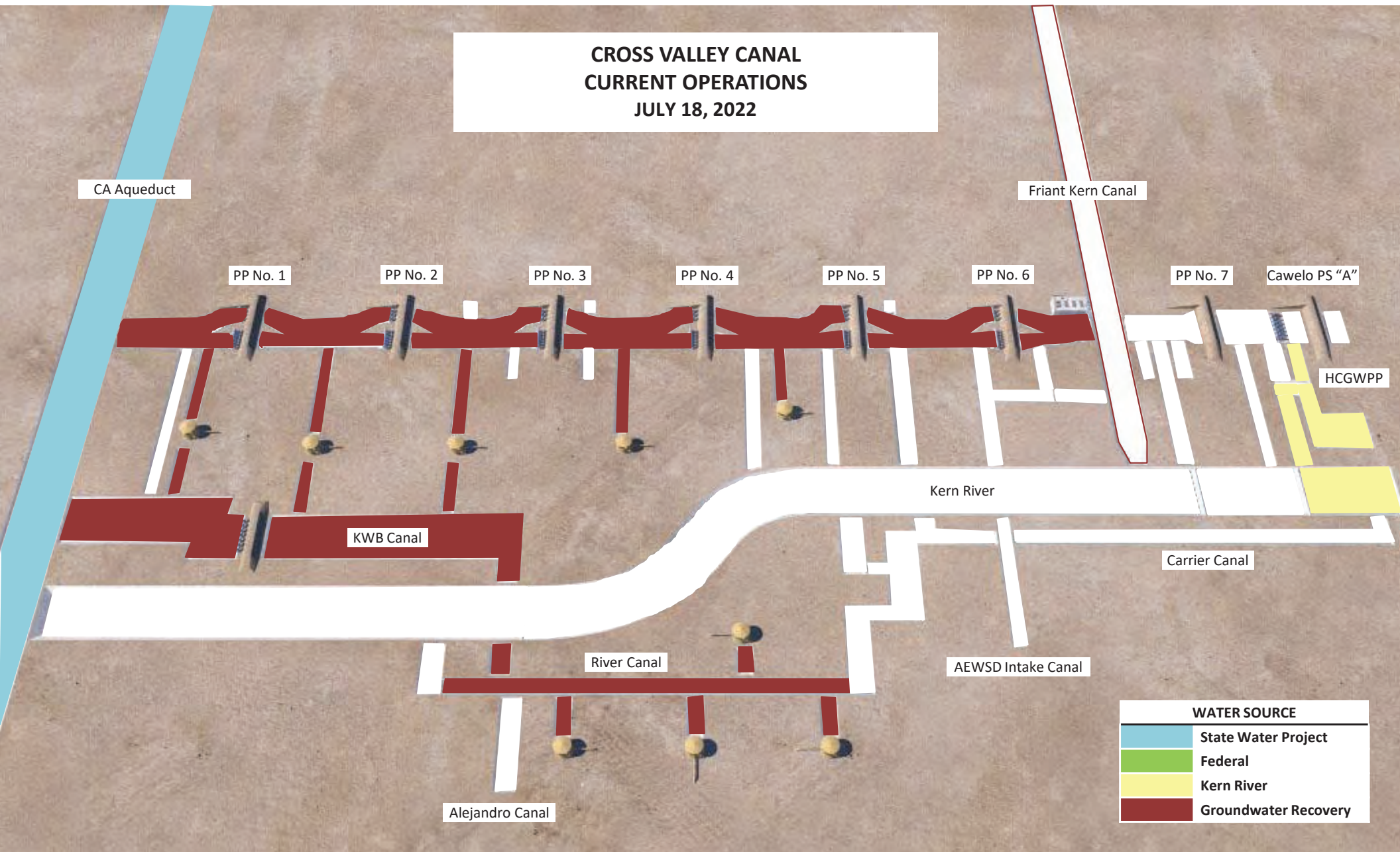
Twelve Month Delivery by Direction

Attachment 3



Cross Valley Canal
Twelve Month Delivery by Source





Tab VII



CONFLICT OF INTEREST CODE FOR
KERN DELTA WATER DISTRICT

The Political Reform Act, Government Code Section 81000, et seq., requires state and local government agencies to adopt and promulgate conflict of interest codes.

The Fair Political Practices commission has adopted a regulation, 2 Cal. Code of Regs., Section 18730, which contains the terms of a standard conflict of interest code. It can be incorporated by reference and may be amended by the Fair Political Practices commission after public notice and hearings to conform to amendments in the Political Reform Act. Therefore, the terms of 2 Cal. Code of Regs., Section 18730 and any amendments to it duly adopted by the Fair Political Practices commission are hereby incorporated by reference and, along with the attached Appendix in which members and employees are designated and disclosure categories are set forth, constitute the conflict of interest code of Kern Delta Water District.

All individuals holding a Designated Position shall file their statements of economic interest with the Kern Delta Water District, which will make such statements available for public inspection and reproduction [pursuant to Government Code section 81008]. Said statements for all Designated Positions will be retained by the District.

APPENDIX

DESIGNATED POSITIONS AND CATEGORIES OF DISCLOSURE

IN GENERAL:

1. A designated employee is not required to disclose that he or she is a director, officer, partner, trustee, employee or holds and position of management in a business entity. However, a designated employee who holds such a position is still subject to the disqualification provisions of 2 Cal. Code of Regs., Section 18730, with respect to such position.
2. In the case of designated positions contained in all categories, investments in any business entity and sources of income listed in Column II of this Appendix are disclosable if:
 - (a) Within the previous two years the business entity in which the investment is held is of the type which has contracted, or in the future with reasonable foreseeability might contract, with the District; or
 - (b) Within the previous two years the business entity in which the investment is held is of the type which has contracted, or in the future with reasonable foreseeability might furnish supplies or services as subcontractors in any contract, with the District; or
 - (c) Within the previous calendar year the source of income is of the type which has contracted, or in the future with reasonable foreseeability might contract, with the District; or
 - (d) Within the previous calendar year the source of income is of the type which has contracted, or in the future with reasonable foreseeability might furnish supplies or services as subcontractors in any contract, with the District.
3. In the case of designated positions contained in all categories, interests in real property (including any leasehold, beneficial or ownership interest or option to acquire such interest in real property) are disclosable if the subject property is located in whole or in part within the boundaries of the District, or within two miles of the boundaries of the District, and further if the fair market value of the interest equals or is greater than \$2,000.
4. With respect to Category #1, investments in any business entity and sources of income which are private water companies, or entities or persons engaged in agricultural production, or real estate development are disclosable if held, regardless of any contractual relationship with the District at any time.

5. Where a "consultant" is a group of individuals, a firm, corporation, or like organization, only those individual members thereof who actually make or participate in the making of District decisions shall be considered designated employees.

CATEGORY	DESIGNATED POSITION	REPORTABLE ITEMS
1	Member of Board General Manager Engineering Consultant Legal Consultant Assistant General Manager Controller <u>General Counsel</u>	(1) Interests in real property (2) Investments in or income from business entities and sources which provide equipment, services or supplies in the following areas: Office equipment and supplies Banks and savings and loan institutions Real Property Public utilities Financial audit services Insurance services Printing, reproduction, or photographic equipment, services and supplies Chemicals Motor vehicles and specialty vehicles, parts and supplies Construction and maintenance equipment, services and supplies Petroleum products Safety equipment and supplies Communication services Water quality testing equipment, supplies and services Engineering Services Employment and temporary help agencies General and specialty equipment rentals Real estate sales or investment firms Consulting Services: legal, energy and power, engineering, soils testing, water treatment, data processing, computers, doctors, labor relations, employee training, advertising, communications, design, art work, audio visual, movie productions, planning, water pricing and demand, economists, desalting, environmental, appraisers Title Insurance and escrow services

CATEGORY	DESIGNATED POSITION	REPORTED ITEMS
-2	Treasurer Assessor Tax Collector	<p>(1) Investments in or income, gifts or loans from any person or business entity engaged in the sale or servicing of supplies or equipment used by the District.</p> <p>(2) Investments in or income, gifts or loans from any employment or temporary help agencies; any banks or lending institutions; and any accounting or auditing firms, persons or organizations</p> <p>(3) Interests in real property</p>

Valley Ag Water Coalition
2021-22 Regular Session, Second Year - Friday, August 12, 2022

- AB 1811 (Fong, Mike D) Local flood protection: planning: climate change.**
Current Text: Amended: 6/9/2022 [html](#) [pdf](#)
Introduced: 2/7/2022
Last Amend: 6/9/2022
Status: 8/8/2022-Read third time. Passed. Ordered to the Assembly. (Ayes 36. Noes 0.). In Assembly. Concurrence in Senate amendments pending. May be considered on or after August 10 pursuant to Assembly Rule 77.
Is Urgency: N
Is Fiscal: N
Location: 8/8/2022-A. CONCURRENCE
Calendar: 8/15/2022 #250 ASSEMBLY CONCURRENCE IN SENATE AMENDMENTS
Summary: Current law authorizes a local agency to prepare a local plan of flood protection and prescribes that a plan include, among other components, a strategy to meet the urban level of flood protection, including planning for residual flood risk and system resiliency. This bill would require this strategy, if a plan is prepared by a local agency, to also include planning for climate change and rainwater and stormwater management. The bill would require the plan to additionally include an update on the status of coordination with water suppliers on how the management of flood waters can bolster local water supplies.

Organization	Position
VAWC	Watch
- AB 1879 (Mathis R) California regional water quality control boards: unfounded or frivolous complaints.**
Current Text: Amended: 6/30/2022 [html](#) [pdf](#)
Introduced: 2/8/2022
Last Amend: 6/30/2022
Status: 8/2/2022-Read second time. Ordered to third reading.
Is Urgency: N
Is Fiscal: Y
Location: 8/2/2022-S. THIRD READING
Calendar: 8/15/2022 #320 SENATE ASSEMBLY BILLS - THIRD READING FILE
Summary: Under existing law, the State Water Resources Control Board and the California regional water quality control boards implement the Federal Water Pollution Control Act and the Porter-Cologne Water Quality Control Act by prescribing waste discharge requirements for discharges to the waters of the state, as specified. Existing law authorizes the state board and the regional boards to hold hearings necessary for carrying out their duties, as specified. This bill would authorize a regional board to develop a plan or policy to address unfounded or frivolous complaints.

Organization	Position
VAWC	Watch
- AB 2108 (Rivas, Robert D) Water policy: environmental justice: disadvantaged and tribal communities.**
Current Text: Amended: 6/16/2022 [html](#) [pdf](#)
Introduced: 2/14/2022
Last Amend: 6/16/2022
Status: 8/11/2022-From committee: Amend, and do pass as amended. (Ayes 5. Noes 2.) (August 11). Read second time and amended. Ordered returned to second reading.
Is Urgency: N
Is Fiscal: Y
Location: 8/11/2022-S. SECOND READING
Calendar: 8/15/2022 #76 SENATE ASSEMBLY BILLS - SECOND READING FILE
Summary: Would require that one of the persons appointed by the Governor to the State Water Resources Control Board be qualified in the field of water supply and water quality relating to disadvantaged or tribal communities and not be the same member as the member appointed who is qualified in the field of water supply and water quality relating to irrigated agriculture. The bill would also require that at least one person appointed to each regional board have specialized experience relating to disadvantaged or tribal communities, except as provided. The bill would prohibit, in making those appointments, preference to be given on the basis of ethnicity or national origin.

Organization	Position
VAWC	Watch
- AB 2201 (Bennett D) Groundwater sustainability agency: groundwater extraction permit: verification.**
Current Text: Amended: 6/22/2022 [html](#) [pdf](#)

Introduced: 2/15/2022

Last Amend: 6/22/2022

Status: 8/11/2022-From committee: Amend, and do pass as amended. (Ayes 4. Noes 2.) (August 11).
Read second time and amended. Ordered returned to second reading.

Is Urgency: N

Is Fiscal: Y

Location: 8/11/2022-S. SECOND READING

Calendar: 8/15/2022 #81 SENATE ASSEMBLY BILLS - SECOND READING FILE

Summary: Would prohibit a county, city, or any other water well permitting agency from approving a permit for a new groundwater well or for an alteration to an existing well in a basin subject to the act and classified as medium- or high-priority unless specified conditions are met, including that it obtains a written verification, from the groundwater sustainability agency that manages the basin or area of the basin where the well is proposed to be located, determining that, among other things, the extraction by the proposed well is consistent with any sustainable groundwater management program established in any applicable groundwater sustainability plan adopted by that groundwater sustainability agency or an alternate plan approved or under review by the Department of Water Resources.

Organization	Position
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VAWC	Oppose
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AB 2278 (Kalra D) Natural resources: biodiversity and conservation report.

Current Text: Amended: 6/29/2022 [html](#) [pdf](#)

Introduced: 2/16/2022

Last Amend: 6/29/2022

Status: 8/11/2022-From committee: Amend, and do pass as amended. (Ayes 6. Noes 0.) (August 11).
Read second time and amended. Ordered returned to second reading.

Is Urgency: N

Is Fiscal: Y

Location: 8/11/2022-S. SECOND READING

Calendar: 8/15/2022 #97 SENATE ASSEMBLY BILLS - SECOND READING FILE

Summary: Would require the Secretary of the Natural Resources Agency to prepare and submit, beginning on or before March 31, 2024, an annual report to the Legislature on the progress made during the prior calendar year toward achieving the goal to conserve 30% of state lands and coastal waters by 2030 established by the executive order, as provided.

Organization	Position
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VAWC	Watch
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AB 2387 (Garcia, Eduardo D) Safe Drinking Water, Wildfire Prevention, Drought Preparation, Flood Protection, Extreme Heat Mitigation, and Workforce Development Bond Act of 2022.

Current Text: Amended: 3/21/2022 [html](#) [pdf](#)

Introduced: 2/17/2022

Last Amend: 3/21/2022

Status: 5/19/2022-In committee: Held under submission.

Is Urgency: Y

Is Fiscal: Y

Location: 5/11/2022-A. APPR. SUSPENSE FILE

Summary: Would enact the Safe Drinking Water, Wildfire Prevention, Drought Preparation, Flood Protection, Extreme Heat Mitigation, and Workforce Development Bond Act of 2022, which, if approved by the voters, would authorize the issuance of bonds in the amount of \$7,430,000,000 pursuant to the State General Obligation Bond Law to finance projects for safe drinking water, wildfire prevention, drought preparation, flood protection, extreme heat mitigation, and workforce development programs.

Organization	Position
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VAWC	Watch
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AB 2505 (Gray D) Water theft: irrigation districts.

Current Text: Chaptered: 6/20/2022 [html](#) [pdf](#)

Introduced: 2/17/2022

Last Amend: 3/24/2022

Status: 6/20/2022-Approved by the Governor. Chaptered by Secretary of State - Chapter 23, Statutes of 2022.

Is Urgency: N

Is Fiscal: N

Location: 6/16/2022-A. CHAPTERED

Summary: Current law requires the local agency to adopt an ordinance that sets forth the

administrative procedures governing the imposition, enforcement, collection, and administrative review of the administrative fines or penalties for water theft and to establish a process for granting a hardship waiver to reduce the amount of the fine, as specified. Current law, the Irrigation District Law, provides for the formation of irrigation districts with prescribed powers. This bill would authorize irrigation districts, as defined, to impose fines or penalties for water theft in accordance with both of the above-described provisions, and would provide that the above-specified provisions do not cap or limit the fines that an irrigation district may impose in accordance with the Irrigation District Law.

Organization	Position
VAWC	Favor

AB 2895 (Arambula D) Water: permits and licenses: temporary changes: water or water rights transfers.

Current Text: Amended: 6/23/2022 [html](#) [pdf](#)

Introduced: 2/18/2022

Last Amend: 6/23/2022

Status: 8/2/2022-Read second time. Ordered to third reading.

Is Urgency: N

Is Fiscal: Y

Location: 8/2/2022-S. THIRD READING

Calendar: 8/15/2022 #351 SENATE ASSEMBLY BILLS - THIRD READING FILE

Summary: Current law prescribes the process for a permittee or licensee to petition the State Water Resources Control Board for a temporary change due to a transfer or exchange of water rights, and imposes on the board related notice, decision, and hearing requirements. Under that process, a petitioner is required to publish notice of a petition in a newspaper, as specified. Current law requires a petition to contain specified information and requires a petitioner to provide a copy of the petition to the Department of Fish and Wildlife, the board of supervisors of the county or counties in which the petitioner currently stores or uses the water subject to the petition, and the board of supervisors of the county or counties to which the water is proposed to be transferred. This bill would revise and recast the provisions regulating temporary changes due to a transfer or exchange of water rights, including, among other revisions, specifying that those provisions apply to a person who proposes a temporary change for purposes of preserving or enhancing wetlands habitat, fish and wildlife resources, or recreation. The bill would eliminate the requirement that a petitioner publish notice of a petition in a newspaper.

Organization	Position
VAWC	Watch

SB 120 (Committee on Budget and Fiscal Review) Public resources.

Current Text: Amended: 6/26/2022 [html](#) [pdf](#)

Introduced: 1/8/2021

Last Amend: 6/26/2022

Status: 6/30/2022-Re-referred to Com. on BUDGET pursuant to Assembly Rule 97.

Is Urgency: Y

Is Fiscal: Y

Location: 6/30/2022-A. BUDGET

Summary: (1) Current law requires a person taking steelhead trout in inland waters, in addition to a valid California sport fishing license and any applicable sport license stamp, to have in their possession a valid nontransferable steelhead trout fishing report-restoration card issued by the Department of Fish and Wildlife. Under existing law, the base fee for the fishing report-restoration card was \$5 for the 2004 license year and is authorized to be adjusted annually pursuant to a specified index. Current law makes a violation of the fishing report-restoration card requirements a crime. Current law requires revenues to be deposited in the Fish and Game Preservation Fund and to be available for expenditure, upon appropriation by the Legislature, to monitor, restore, or enhance steelhead trout resources consistent with specified law, and to administer the fishing report-restoration card program. Current law requires the department to report to the Legislature on or before July 1, 2021, regarding the steelhead trout fishing report-restoration card program's projects undertaken using these revenues derived pursuant to that program, the benefits derived, and its recommendations for revising the fishing report-restoration card requirement, if any. These provisions become inoperative as of July 1, 2022, and are repealed as of January 1, 2023. This bill would instead require the above-described provisions to be repealed as of January 1, 2025. The bill would require the department to report to the Legislature regarding the fishing report-restoration card program's projects on or before July 1, 2023.

Organization	Position
VAWC	Watch

SB 880 (Laird D) Water diversion: monitoring and reporting: University of California Cooperative Extension.

Current Text: Enrollment: 8/11/2022 [html](#) [pdf](#)

Introduced: 1/26/2022

Status: 8/11/2022-Read third time. Passed. Ordered to the Senate. In Senate. Ordered to engrossing and enrolling.

Is Urgency: N

Is Fiscal: Y

Location: 8/11/2022-S. ENROLLMENT

Summary: Current law, until January 1, 2023, requires any diverter, who has completed an instructional course regarding the devices or measurement method administered by the University of California Cooperative Extension, including passage of a proficiency test before the completion of the course, to be considered a qualified individual when installing and maintaining devices or implementing methods of measurement that were taught in the course for the diverter's diversion. Current law also requires the University of California Cooperative Extension and the board to develop the curriculum of the course and the proficiency test. This bill would indefinitely extend the above-described provisions.

Organization	Position
VAWC	Watch

SB 1146 (Grove R) Water rights: reasonable and beneficial use of water.

Current Text: Introduced: 2/16/2022 [html](#) [pdf](#)

Introduced: 2/16/2022

Status: 2/23/2022-Referred to Com. on RLS.

Is Urgency: N

Is Fiscal: N

Location: 2/16/2022-S. RLS.

Summary: Current law declares that the right to water is limited to that water that is reasonably required for the beneficial use to be served, and does not extend to the waste or unreasonable use, unreasonable method of use, or unreasonable method of diversion of water. This bill would make nonsubstantive changes to that provision.

Organization	Position
VAWC	Watch

SB 1166 (Grove R) Department of Water Resources: appropriations of water.

Current Text: Introduced: 2/17/2022 [html](#) [pdf](#)

Introduced: 2/17/2022

Status: 3/2/2022-Referred to Com. on RLS.

Is Urgency: N

Is Fiscal: N

Location: 2/17/2022-S. RLS.

Summary: Under current law, the Department of Water Resources is required to make and file with the State Water Resources Control Board applications for the appropriation of any water that, in the department's judgment, is or may be required in the development and completion of all or part of a general or coordinated plan for the development, utilization, or conservation of the water resources of the state. Existing law gives those applications priority, as of the date of filing the application, over any subsequent application and generally exempts the applications from certain water rights diligence provisions. This bill would make nonsubstantive changes to these provisions.

Organization	Position
VAWC	Watch

SB 1372 (Stern D) Sustainable Groundwater Management Act: groundwater sustainability plans: groundwater rights.

Current Text: Amended: 3/16/2022 [html](#) [pdf](#)

Introduced: 2/18/2022

Last Amend: 3/16/2022

Status: 6/15/2022-Read second time. Ordered to third reading.

Is Urgency: N

Is Fiscal: N

Location: 6/15/2022-A. THIRD READING

Calendar: 8/15/2022 #284 ASSEMBLY THIRD READING FILE - SENATE BILLS

Summary: The Sustainable Groundwater Management Act requires all groundwater basins designated as high- or medium-priority basins by the Department of Water Resources that are designated as basins subject to critical conditions of overdraft to be managed under a groundwater sustainability plan or coordinated groundwater sustainability plans by January 31, 2020, and requires all other groundwater basins designated as high- or medium-priority basins to be managed under a groundwater sustainability plan or coordinated groundwater sustainability plans by January 31, 2022, except as specified. This bill would provide that the approval of a groundwater sustainability plan by the department shall not be construed to be a determination by or otherwise an opinion of the

department that the allocation of groundwater pumping rights in the plan are consistent with groundwater rights law.

Organization	Position
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VAWC	
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SB 1442 (Borgeas R) Water conservation and reclamation projects.

Current Text: Introduced: 2/18/2022 [html](#) [pdf](#)

Introduced: 2/18/2022

Status: 3/9/2022-Referred to Com. on RLS.

Is Urgency: N

Is Fiscal: N

Location: 2/18/2022-S. RLS.

Summary: Current law establishes the Water Conservation Projects Act of 1985 and declares the intent of the Legislature to encourage local agencies and private enterprise to implement water conservation and reclamation projects. This bill would make nonsubstantive changes to related legislative findings and declarations.

Organization	Position
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VAWC	Watch
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Total Measures: 14

Total Tracking Forms: 14