



BUILDING A SUSTAINABLE WATER SUPPLY TO HELP OUR COMMUNITY THRIVE

**REGULAR MEETING OF THE BOARD OF DIRECTORS  
ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT**

849 ALLEN ROAD, BAKERSFIELD, CA 93314

**AGENDA**

**November 14, 2023  
8:00 a.m.**

**NOTICE: Public Hearing on Item 3.d. will commence no earlier than 8:30 a.m.**

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**1. CALL TO ORDER / ROLL CALL**

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**2. APPROVAL OF MINUTES**

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- a) Regular Board Meeting Minutes of October 10, 2023

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**3. FINANCIAL REPORT**

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- a) Treasurer's Report (MM)
- b) Accounts Payable (MM)
- c) Revenue and Expenditures (MM)
- d) Public Hearing - Consideration of Resolution No. 536 / Ordinance No. 2 - Declaring Results of Protest Preceding & Adopting Water Charge

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**4. OPERATIONS AND MAINTENANCE REPORT**

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- a) District Groundwater Levels (MN)
- b) Operations (ZS)
- c) Maintenance (ZS)

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**5. WATER RESOURCES REPORT**

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- a) State Water Project Operations (TT)
- b) California Delta Conveyance Project (TT)
- c) Update on Landowner Banking Program (TT)

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**6. MANAGER'S REPORT**

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- a) Strategic Plan Update (RE)
- b) Consideration of Continuing Emergency Action - Public Contract Code §22050(c)(1) – Resolution No.531 (RE)

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## 7. ENGINEER'S REPORT

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- a) Onyx Ranch Project
  - i. Operations (DB)
  - ii. FEMA Disaster Relief Application (RE)
  - iii. Consideration of Pipeline Easements for Weldon Regional Water District (DB)
  - iv. Consideration of Purchase and Installation of Metal Shop Building
- b) Improvement Projects (MN)

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## 8. COMMITTEE/SPECIAL PROJECT ACTIVITIES

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- a) Groundwater Banking Joint Powers Authority (DB & TT)
- b) James Groundwater Banking Authority (DB)
- c) Sustainable Groundwater Management Act (DB & TT)
  - i. GSP Deficiency Resolution (DB & TT)
- d) Kern Fan Monitoring Committee (MN)
- e) Cross Valley Canal Advisory Committee (DB)
- f) Pioneer Project Committee (DB)
- g) Kern River Watershed Coalition Authority (ZS)
- h) Kern Fan Authority (DB)
- i) Joint Operating Committee (DB & TT)
- j) Committee for Delta Reliability (TT)
- k) South Valley Water Resources Authority (TT)
- l) Valley Ag Water Coalition (TT)
- m) Kern Integrated Regional Water Management Plan (TT)
- n) Sites Reservoir Project (TT)
- o) Association of California Water Agencies (TT)

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## 9. ATTORNEY'S REPORT

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## 10. OLD OR NEW BUSINESS

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## 11. CORRESPONDENCE

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## 12. PUBLIC COMMENT

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## 13. CLOSED SESSION

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- a) Conference with legal counsel – Anticipated Litigation: Significant Exposure to Litigation – *Government Code Section 54956.9(d)(2)*: One (1) Matter
- b) Conference with legal counsel – Anticipated Litigation: Initiation of Litigation – *Government Code Section 54956.9(d)(4)*: One (1) Matter
- c) Conference with legal counsel – Pending Litigation – *Government Code Section 54956.9 (d)(1)*:
  - i. State Water Resources Control Board – Applications to Appropriate Kern River Water
  - ii. City of Bakersfield v. Rosedale-Rio Bravo Water Storage District (McAllister CEQA)



- iii. Department of Water Resources v. All Persons Interested (Validation Action)
  - iv. Rosedale-Rio Bravo Water Storage District, et al. vs. Kern County Water Agency, et al. (CVC Litigation)
  - v. Buena Vista Water Storage District, et al. v. Rosedale-Rio Bravo Water Storage District (Three Separate Suits) (Onyx Ranch CEQA Litigation)
  - vi. Rosedale-Rio Bravo Water Storage District v. Buena Vista Water Storage District, et al. (Onyx Ranch Declaratory Relief Litigation)
  - vii. Bring Back the Kern, et al v. Rosedale-Rio Bravo Water Storage District, et al. (Kern River Public Trust Litigation)
- d) Conference with real property negotiator – *Government Code Section 54956.8* – Negotiators: Dan Bartel / Dan Raytis
- i. Property: Water Supply (Delta Conveyance). Negotiating parties: Various parties and Rosedale-Rio Bravo Water Storage District. Under negotiation: Price & Terms of Payment
  - ii. Property: James / McCallister Ranch. Negotiating Parties: Various parties and Rosedale-Rio Bravo Water Storage District. Under negotiation: Price & Terms of Payment
  - iii. Property: Water Supply (2023 Supplies). Negotiating parties: Various parties and Rosedale-Rio Bravo Water Storage District. Under negotiation: Price & Terms of Payment
  - iv. Property: License / Easement for Canal Facility. Negotiating parties: Various parties and Rosedale-Rio Bravo Water Storage District. Under negotiation: Price & Terms of Payment
  - v. Property: Various Parcels – Potential District Projects. Negotiating parties: Various parties and Rosedale-Rio Bravo Water Storage District. Under negotiation: Price & Terms of Payment
  - vi. Property: APN 104-240-49 & 51. Negotiating Parties: SH Bakersfield LLC and Rosedale-Rio Bravo Water Storage District. Under negotiations: Price & Terms of Payment.

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## 14. ADJOURNMENT

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DECLARATION OF POSTING: I, Rachele Echeverria, declare under penalty of perjury, that I am employed by the Rosedale-Rio Bravo Water Storage District and I posted the foregoing Agenda at the District Office and on the District's website ([www.rrbwsd.com](http://www.rrbwsd.com)) on or before November 10, 2023. ***Requests for disability related modifications or accommodations, including auxiliary aids or services may be made by telephoning or contacting Megan Misuraca at [mmisuraca@rrbwsd.com](mailto:mmisuraca@rrbwsd.com). Please attempt to make such requests known at least 24 hours before the scheduled meeting.***

BOARD OF DIRECTORS  
ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT  
MINUTES OF THE REGULAR BOARD MEETING  
October 10, 2023  
8:00 a.m.

**DIRECTORS PRESENT**

Roy Pierucci, Jason Selvidge, Gary Unruh, and Barry Watts

**DIRECTORS ABSENT**

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**OTHERS PRESENT**

District Staff / Consultants – Dan Bartel, Trent Taylor, Megan Misuraca, Markus Nygren, Dan Raytis, Zach Smith, Rachele Echeverria & Jennifer Spaletta (via telephone for closed session only)

Public – None

**CALL TO ORDER**

President Pierucci called the meeting to order at approximately 8:00 a.m.

**APPROVAL OF MINUTES**

- a) Regular Board Meeting Minutes – September 12, 2023
- b) Special Board Meeting Minutes – September 26, 2023

A motion was made by Director Selvidge with a second by Director Watts to approve the Board of Directors regular meeting minutes of September 12, 2023 and the special meeting minutes of September 26, 2023. The motion was unanimously passed.

AYES: Directors Pierucci, Selvidge, Unruh and Watts

NOES: None

ABSTAINED: None

**FINANCIAL REPORT**

- a) Treasurer’s Report – Ms. Misuraca reviewed the treasurer’s report as of September 30, 2023.
- b) Accounts Payable/ September 9, 2023, through October 6, 2023 — Ms. Misuraca reviewed the accounts payable report with the Board. A motion was made by Director Selvidge and seconded by Director Watts to ratify and approve payment of the accounts payable in the total amount of \$347,728.69. The motion unanimously passed.

AYES: Directors Pierucci, Selvidge, Unruh and Watts

NOES: None

ABSTAINED: None

- c) Revenue and Expenditures Report – Ms. Misuraca reviewed the current Revenue and Expenditures Report through September 30, 2023, including budget vs. actual.

## **OPERATIONS AND MAINTENANCE REPORT**

- a) District Groundwater Levels – Mr. Nygren advised the Board of current groundwater levels with reference to the District’s minimum thresholds under SGMA.
- b) Operations Report – Mr. Smith reviewed water conveyance and recharge operations and estimated balances with the Board.
- c) Maintenance Report – Mr. Smith reviewed maintenance projects that have taken place over the last month.
- d) Ratification of Emergency Purchase of Electrical Equipment- Central Intake – Mr. Smith reviewed the damage to the Central Intake Pump Station and the electrical repairs required. A motion was made by Director Unruh with a second by Director Watts to ratify the costs for emergency electrical repairs to the Central Intake Pump Station with an amount not to exceed \$30,000. The motion unanimously passed.

AYES: Directors Pierucci, Selvidge, Unruh and Watts

NOES: None

ABSTAINED: None

## **WATER RESOURCES REPORT**

- a) State Water Project Operations – Mr. Taylor gave a detailed report on current state water project operations. Mr. Taylor also reviewed the 8-station index graph and reservoir conditions with the Board.
- b) California Delta Conveyance Project – Mr. Taylor gave a brief status report on the DCP project.
- c) Update on Landowner Banking Programs – Mr. Taylor briefed the Board on the latest landowner banking program updates.

## **MANAGER’S REPORT**

- a) Strategic Plan Update – Ms. Echeverria briefed the Board on staff’s progress for Goal #3 of the District’s adopted strategic plan to develop a water charge to support SGMA implementation.
- b) Consideration of Resolution No. 531 Flood Emergency Declaration – Ms. Echeverria reported on updated water and emergency conditions. A motion was made by Director Unruh with a second by Director Selvidge to continue the emergency action of Resolution 531 – declaring a flood emergency and to authorize procurement of equipment, services and supplies for such emergencies without giving notice for bids to let contracts. The motion unanimously passed.

AYES: Directors Pierucci, Selvidge, Unruh and Watts

NOES: None.

ABSTAINED: None.

## **ENGINEERS / PROJECTS REPORT**

- a) Onyx Ranch
  - i. Operations Report – Mr. Bartel briefed the Board on the status of the Onyx Ranch operations and the Smith ditch cleaning efforts.

- ii. FEMA Disaster Relief Application – Ms. Echeverria briefed the Board on the process and current status to receive funds from FEMA for the repairs required from the flooding at Onyx Ranch.
- iii. Consideration of Technical Services Agreement for Model Update – Mr. Bartel reviewed the Thomas Harder & Co. proposal to complete the October-January update of the Onyx Groundwater / Surface Water Flow Model. A motion was made by Director Watts with a second by Director Unruh to approve the Thomas Harder & Co. proposal in the amount of \$74,640 and authorize staff to execute the technical services agreement. The motion unanimously passed.

AYES: Directors Pierucci, Selvidge, Unruh and Watts

NOES: None

ABSTAINED: None

- b) Improvement Projects – Mr. Nygren reported on latest NEPA efforts to break ground on the Bowling/McCaslin recovery well project.
- c) Consideration of Technical Services Agreement for Construction Management Services- Mr. Nygren reviewed the Technical Services Agreement for Construction Management Services for the McCaslin / Bowling recovery well project. A motion was made by Director Selvidge with a second by Director Watts to authorize staff to execute and approve the construction management agreement with Zeiders Consulting for an amount not to exceed \$180,000. The motion was unanimously passed.

AYES: Directors Pierucci, Selvidge, Unruh and Watts

NOES: None

ABSTAINED: None

## **COMMITTEE REPORTS**

- a) Groundwater Banking Joint Powers Authority – No report.
- b) James Groundwater Banking Authority – Mr. Bartel briefed the Board on the CEQA process and reported the legal team is finalizing the response to comments of the DEIR.
- c) Sustainable Groundwater Management Act
  - i. Water Charge Management Action Implementation – Mr. Taylor reviewed the proposed water charge rate calculation on a 5 year average vs a 20 year average.
  - ii. GSP Deficiency Resolution – Mr. Bartel reviewed the Kern County Subbasin SWRCB Technical Meeting No. 2 presentation with the Board.
  - iii. Consideration of Reimbursement Agreements for GSP Development – Mr. Bartel reviewed the scope of work and budget for the GSP development and ongoing subcommittee work. A motion was made by Director Selvidge with a second by Director Watts to authorize staff to execute reimbursement agreements for the GSP development and ongoing subcommittee work for the Kern County Subbasin for a total amount not to exceed \$1,178,000 to be split between the entities. The motion unanimously passed.

AYES: Directors Pierucci, Selvidge, Unruh and Watts

NOES: None

ABSTAINED: None

- d) Kern Fan Monitoring Committee – Mr. Nygren briefed the Board on the last board meeting.
- e) Cross Valley Canal Advisory Committee – Mr. Bartel briefed the board on flow testing efforts.
- f) Pioneer Project Committee – No report.
- g) Kern River Watershed Coalition Authority (KRWCA) - No report.
- h) Kern Fan Authority – No report..
- i) Joint Operating Committee (JOC) – Mr. Barel gave a brief update on the JOC claim received noting it is under \$15,000 and meets the requirements of the JOC.
- j) Committee for Delta Reliability – No report.
- k) South Valley Water Resources Authority – Mr. Taylor briefed the Board on the Fish Friendly Diversion project.
- l) Valley Ag Water Coalition – No report.
- m) Kern Integrated Regional Water Management Plan – No report.
- n) Sites Reservoir Project – Mr. Taylor briefed the Board on the latest activities.
- o) Association of California Water Agencies – Mr. Taylor reported that Rosedale-Rio Bravo WSD was a recipient of the 2023 Outreach Recognition award from ACWA.

**ATTORNEY’S REPORT**

None.

**OLD OR NEW BUSINESS**

Mr. Barel reported the Wes Selvidge basin signs have been replaced and updated with the new logo. Ms. Misuraca reported staff hosted the BCHS Agriculture Biology class for a tour of the District.

**CORRESPONDENCE**

None.

**PUBLIC COMMENT**

None.

**CLOSED SESSION**

During the meeting, the Board met in closed session, as follows: At 9:30 a.m. President Pierucci announced the Board would meet in closed session. At 9:50 a.m. the Board reconvened to open session. At 10:26 Mr. Pierucci announced the Board would re-enter closed session. At 11:38 the Board reconvened to open session and Mr. Raytis announced there were no reportable actions taken in closed session.

**ADJOURNMENT**

Meeting was adjourned at 11:40 a.m.

**Rosedale- Rio Bravo WSD**  
**RRB Monthly Board Cash Report**  
 As of October 31, 2023

	<u>Credit</u>	<u>Debit</u>	<u>Balance</u>
<b>10006 · Tri-Counties Bank-Operations</b>			421,514.30
Total 10006 · Tri-Counties Bank-Operations	4,209,211.77	567,085.72	<b>4,063,640.35</b>
<b>10007 · Tri-Counties Bank-Payroll</b>			195,537.33
Total 10007 · Tri-Counties Bank-Payroll	203.98	118,874.06	<b>76,867.25</b>
<b>10100 · General County Fund # 60510</b>			4,436,737.87
Total 10100 · General County Fund # 60510	29,132.86	4,000,000.00	<b>465,870.73</b>
<b>10101 · Operations County Fund # 60520</b>			48,683.51
Total 10101 · Operations County Fund # 60520	292.37	0.00	<b>48,975.88</b>
<b>10102 · Bond Debt County Fund # 60526</b>			5,167.88
Total 10102 · Bond Debt County Fund # 60526	24.87	0.00	<b>5,192.75</b>
<b>10103 · Bond Reserve County Fund #60527</b>			944.96
Total 10103 · Bond Reserve County Fund #60527	4.54	0.00	<b>949.50</b>
<b>10503 · 2018 COP Reserve Fund Account</b>		** Balance as of 09/30/2023	1,084,573.80
Total 10503 · 2018 COP Reserve Fund Account			<b>1,084,573.80</b>
<b>10504 · 2020 COP W.F. Trust Funds M.M.</b>			517.55
Total 10504 · 2020 COP W.F. Trust Funds M.M.	2.21	0.00	<b>519.76</b>
<b>10551 · Goldman Sachs Money Market</b>			8,694,425.99
Total 10551 · Goldman Sachs Money Market			<b>8,694,425.99</b>
<b>TOTAL CASH</b>	<u><u>4,238,872.60</u></u>	<u><u>4,685,959.78</u></u>	<u><u>14,441,016.01</u></u>
<b>10550 · Investment AMG - Wells Fargo</b>		** Balance as of 09/30/2023	12,230,463.03
Total 10550 · Investment AMG - Wells Fargo	<u>89,139.14</u>	<u>0.00</u>	<u>12,319,602.17</u>
<b>TOTAL CASH EQUIVALENT</b>	<u><u>89,139.14</u></u>	<u><u>0.00</u></u>	<u><u>12,319,602.17</u></u>
<b>Total Cash and Cash Equivalent</b>	<u><u>4,328,011.74</u></u>	<u><u>4,685,959.78</u></u>	<u><u>26,760,618.18</u></u>

**Rosedale- Rio Bravo WSD**  
**Accounts Payable Report**  
October 7 through November 10, 2023

Type	Num	Date	Name	Account	Paid Amount
Check		10/31/2023	Tri Counties Bank	10006 - Tri-Counties Bank-Operations	
				60100 - Bank Service Charges	-115.00
TOTAL					-115.00
Bill Pmt -Check	ACH	10/10/2023	Jeffries Bros., Inc.	10006 - Tri-Counties Bank-Operations	
Bill	135984	09/23/2023	Groundwater Banking, JPA:West Enos Recharge	61800 - Fuel	-2,412.43
Bill	136116	09/25/2023	Groundwater Banking, JPA:West Enos Recharge	61800 - Fuel	-116.91
Bill	136026	09/25/2023	Groundwater Banking, JPA:West Enos Recharge	61800 - Fuel	-1,728.52
TOTAL					-4,257.86
Bill Pmt -Check	ACH	10/11/2023	Jeffries Bros., Inc.	10006 - Tri-Counties Bank-Operations	
Bill	134218	10/01/2023	Groundwater Banking, JPA:West Enos Recharge	61800 - Fuel	-500.00
Bill	134219	10/01/2023	Grimmway Farms-Customer:Grimmway Pilot Projec	61800 - Fuel	-250.00
TOTAL					-750.00
Bill Pmt -Check	ACH	10/12/2023	Jeffries Bros., Inc.	10006 - Tri-Counties Bank-Operations	
Bill	136255	09/27/2023	Groundwater Banking, JPA:West Enos Recharge	61800 - Fuel	-1,750.02
TOTAL					-1,750.02
Bill Pmt -Check	ACH	10/13/2023	Jeffries Bros., Inc.	10006 - Tri-Counties Bank-Operations	
Bill	136571	09/29/2023	Groundwater Banking, JPA:West Enos Recharge	61800 - Fuel	-1,591.47
TOTAL					-1,591.47
Bill Pmt -Check	ACH	10/20/2023	Jeffries Bros., Inc.	10006 - Tri-Counties Bank-Operations	
Bill	136785	10/05/2023	Groundwater Banking, JPA:West Enos Recharge	61800 - Fuel	-116.91
TOTAL					-116.91
Bill Pmt -Check	ACH	10/20/2023	Jeffries Bros., Inc.	10006 - Tri-Counties Bank-Operations	
Bill	137243	10/07/2023	Groundwater Banking, JPA:West Enos Recharge	61800 - Fuel	-2,160.33
TOTAL					-2,160.33
Bill Pmt -Check	ACH	10/23/2023	Purchase Power	10006 - Tri-Counties Bank-Operations	
Bill	8107 Oct 23	10/12/2023		62009 - Postage and Delivery	-200.00
TOTAL					-200.00
Bill Pmt -Check	ACH	10/24/2023	Jeffries Bros., Inc.	10006 - Tri-Counties Bank-Operations	
Bill	137363	10/09/2023	Groundwater Banking, JPA:West Enos Recharge	61800 - Fuel	-1,761.58
Bill	136982	10/09/2023	Groundwater Banking, JPA:West Enos Recharge	61800 - Fuel	-116.91
TOTAL					-1,878.49
Bill Pmt -Check	ACH	10/27/2023	Jeffries Bros., Inc.	10006 - Tri-Counties Bank-Operations	
Bill	137696	10/16/2023	Groundwater Banking, JPA:West Enos Recharge	61800 - Fuel	-818.17
TOTAL					-818.17
Bill Pmt -Check	ACH	11/02/2023	Jeffries Bros., Inc.	10006 - Tri-Counties Bank-Operations	
Bill	137763	10/18/2023	Groundwater Banking, JPA:West Enos Recharge	61800 - Fuel	-1,606.54
TOTAL					-1,606.54
Bill Pmt -Check	ACH	11/06/2023	Jeffries Bros., Inc.	10006 - Tri-Counties Bank-Operations	
Bill	138183	10/21/2023	Groundwater Banking, JPA:West Enos Recharge	61800 - Fuel	-2,045.67
TOTAL					-2,045.67
Bill Pmt -Check	ACH	11/07/2023	Jeffries Bros., Inc.	10006 - Tri-Counties Bank-Operations	
Bill	137827	10/23/2023	Groundwater Banking, JPA:West Enos Recharge	61800 - Fuel	-116.91
Bill	138239	10/23/2023	Groundwater Banking, JPA:West Enos Recharge	61800 - Fuel	-1,292.24
TOTAL					-1,409.15

**Rosedale- Rio Bravo WSD**  
**Accounts Payable Report**  
October 7 through November 10, 2023

Type	Num	Date	Name	Account	Paid Amount
Bill Pmt -Check	ACH	11/09/2023	Jeffries Bros., Inc.	10006 - Tri-Counties Bank-Operations	
Bill	138329	10/25/2023	Groundwater Banking, JPA:West Enos Recharge	61800 - Fuel	-1,980.42
TOTAL					-1,980.42
Check	ACH	11/10/2023	Tri Counties Bank	10006 - Tri-Counties Bank-Operations	
				Tri-Counites CC	-11,083.47
TOTAL					-11,083.47
Bill Pmt -Check	ACH	11/10/2023	Jeffries Bros., Inc.	10006 - Tri-Counties Bank-Operations	
Bill	136221	11/01/2023	Groundwater Banking, JPA:West Enos Recharge	61800 - Fuel	-500.00
TOTAL					-500.00
Bill Pmt -Check	2807	10/18/2023	Abate-A-Weed	10006 - Tri-Counties Bank-Operations	
Bill	1021953	10/11/2023	RRBWSD:Onyx Ranch	61650 - Operating Supplies	-57.15
TOTAL					-57.15
Bill Pmt -Check	2808	10/18/2023	ACE HARDWARE	10006 - Tri-Counties Bank-Operations	
Bill	63562	10/09/2023		61650 - Operating Supplies	-67.72
TOTAL					-67.72
Bill Pmt -Check	2809	10/18/2023	ACWA	10006 - Tri-Counties Bank-Operations	
Bill	2023-10-04	10/04/2023		62005 - Dues and Membership	-25,395.00
TOTAL					-25,395.00
Bill Pmt -Check	2810	10/18/2023	ACWA JPIA (W/C,Auto,GL,Prop)	10006 - Tri-Counties Bank-Operations	
Bill	20230930	10/18/2023		20032 - Workers Comp Liability	-7,312.87
				20032 - Workers Comp Liability	-0.05
TOTAL					-7,312.92
Bill Pmt -Check	2811	10/18/2023	Advanced Data Storage, Inc.	10006 - Tri-Counties Bank-Operations	
Bill	0172070	10/01/2023		62000 - General Office Expense	-41.40
TOTAL					-41.40
Bill Pmt -Check	2812	10/18/2023	AE-COM Engineering Inc	10006 - Tri-Counties Bank-Operations	
Bill	2000810061	10/09/2023		63004 - Engineering Services	-4,619.01
Bill	2000810693	10/11/2023	RRBWSD:SGMA	63004 - Engineering Services	-1,206.69
TOTAL					-5,825.70
Bill Pmt -Check	2813	10/18/2023	Barnes Welding Supply	10006 - Tri-Counties Bank-Operations	
Bill	0063261214	10/05/2023		65001 - Equip. Maint. & Repair	-28.00
TOTAL					-28.00
Bill Pmt -Check	2814	10/18/2023	Berchtold Equipment Company	10006 - Tri-Counties Bank-Operations	
Bill	W10117	10/12/2023		65001 - Equip. Maint. & Repair	-1,777.48
TOTAL					-1,777.48
Bill Pmt -Check	2815	10/18/2023	BHK Accountancy Corporation	10006 - Tri-Counties Bank-Operations	
Bill	148808	10/01/2023		63002 - Audit and Accounting Services	-13,050.00
TOTAL					-13,050.00
Bill Pmt -Check	2816	10/18/2023	Builders Mart	10006 - Tri-Counties Bank-Operations	
Bill	4612 Sep 23	10/01/2023	RRBWSD:Onyx Ranch	61650 - Operating Supplies	-1,348.57
TOTAL					-1,348.57
Bill Pmt -Check	2817	10/18/2023	Christensen, Inc.	10006 - Tri-Counties Bank-Operations	



**Rosedale- Rio Bravo WSD**  
**Accounts Payable Report**  
October 7 through November 10, 2023

Type	Num	Date	Name	Account	Paid Amount
Bill	273632CT	10/01/2023	RRBWSD:Onyx Ranch	61800 - Fuel	-729.66
				61800 - Fuel	-3,794.33
Bill	278170CT	10/31/2023	RRBWSD:Onyx Ranch	61800 - Fuel	-510.94
				61800 - Fuel	-2,847.55
TOTAL					-7,882.48
<b>Bill Pmt -Check</b>	<b>2818</b>	<b>10/18/2023</b>	<b>Colantuono, Highsmith &amp; Whatley, PC</b>	<b>10006 - Tri-Counties Bank-Operations</b>	
Bill	57738	10/04/2023	RRBWSD:SGMA	63000 - Legal Services	-1,174.50
TOTAL					-1,174.50
<b>Bill Pmt -Check</b>	<b>2819</b>	<b>10/18/2023</b>	<b>Committee For Delta Reliability</b>	<b>10006 - Tri-Counties Bank-Operations</b>	
Bill	CDR 2023-RRB	10/13/2023		62005 - Dues and Membership	-29,900.00
TOTAL					-29,900.00
<b>Bill Pmt -Check</b>	<b>2820</b>	<b>10/18/2023</b>	<b>CPI</b>	<b>10006 - Tri-Counties Bank-Operations</b>	
Bill	02-63622	10/09/2023		60005 - Benefits Health,Dent.Life.Vis.D	-90.00
TOTAL					-90.00
<b>Bill Pmt -Check</b>	<b>2821</b>	<b>10/18/2023</b>	<b>Dan's Pest Management</b>	<b>10006 - Tri-Counties Bank-Operations</b>	
Bill	0052384	10/03/2023		65100 - Building Maintenance	-100.00
TOTAL					-100.00
<b>Bill Pmt -Check</b>	<b>2822</b>	<b>10/18/2023</b>	<b>David Janes Company</b>	<b>10006 - Tri-Counties Bank-Operations</b>	
Bill	0421610-IN	10/13/2023		61650 - Operating Supplies	-385.57
TOTAL					-385.57
<b>Bill Pmt -Check</b>	<b>2823</b>	<b>10/18/2023</b>	<b>Esparza Enterprises, Inc</b>	<b>10006 - Tri-Counties Bank-Operations</b>	
Bill	117796	10/11/2023	RRBWSD:Onyx Ranch	63007 - Other Contracted Services	-3,780.42
TOTAL					-3,780.42
<b>Bill Pmt -Check</b>	<b>2824</b>	<b>10/18/2023</b>	<b>GEI Consultants, Inc</b>	<b>10006 - Tri-Counties Bank-Operations</b>	
Bill	3140050	10/16/2023		63004 - Engineering Services	-147.50
TOTAL					-147.50
<b>Bill Pmt -Check</b>	<b>2825</b>	<b>10/18/2023</b>	<b>Jordan Kaufman - KCTTC</b>	<b>10006 - Tri-Counties Bank-Operations</b>	
Bill	12/11/23 321-020-05	10/01/2023	RRBWSD:Onyx Ranch	68000 - Taxes - Property	-236.64
Bill	12/11/23 321-020-02	10/01/2023	RRBWSD:Onyx Ranch	68000 - Taxes - Property	-296.41
Bill	12/11/23 426-100-08	10/01/2023	RRBWSD:Onyx Ranch	68000 - Taxes - Property	-4,014.42
Bill	12/11/23 426-032-10	10/01/2023	RRBWSD:Onyx Ranch	68000 - Taxes - Property	-760.97
Bill	12/11/23 426-032-13	10/01/2023	RRBWSD:Onyx Ranch	68000 - Taxes - Property	-1,718.89
TOTAL					-7,027.33
<b>Bill Pmt -Check</b>	<b>2826</b>	<b>10/18/2023</b>	<b>Kern Groundwater Authority</b>	<b>10006 - Tri-Counties Bank-Operations</b>	
Bill	KG202482	09/01/2023	RRBWSD:SGMA	61450 - Regulatory Program Compliance	-20,038.46
TOTAL					-20,038.46
<b>Bill Pmt -Check</b>	<b>2827</b>	<b>10/18/2023</b>	<b>Kern Machinery</b>	<b>10006 - Tri-Counties Bank-Operations</b>	
Bill	103-1102708	10/10/2023		65001 - Equip. Maint. & Repair	-713.29
TOTAL					-713.29
<b>Bill Pmt -Check</b>	<b>2828</b>	<b>10/18/2023</b>	<b>Mission Uniform Service</b>	<b>10006 - Tri-Counties Bank-Operations</b>	
Bill	520193255	10/06/2023		63500 - Janitorial Expense	-92.51
TOTAL					-92.51
<b>Bill Pmt -Check</b>	<b>2829</b>	<b>10/18/2023</b>	<b>Office1</b>	<b>10006 - Tri-Counties Bank-Operations</b>	
Bill	AR1026948	10/16/2023		62001 - Printing & Reproduction	-193.28
TOTAL					-193.28

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Type	Num	Date	Name	Account	Paid Amount
Bill Pmt -Check	2830	10/18/2023	Quinn Company	10006 - Tri-Counties Bank-Operations	
Bill	PC080527743	10/06/2023	RRBWSD:Onyx Ranch	65001 - Equip. Maint. & Repair	-943.35
Bill	PC080527744	10/06/2023	RRBWSD:Onyx Ranch	65001 - Equip. Maint. & Repair	-45.94
Bill	PC080528043	10/12/2023	RRBWSD:Onyx Ranch	65001 - Equip. Maint. & Repair	-83.18
TOTAL					-1,072.47
Bill Pmt -Check	2831	10/18/2023	Rachelle Echeverria - Reimbursement	10006 - Tri-Counties Bank-Operations	
Bill	20231006	10/06/2023		62000 - General Office Expense	-300.00
TOTAL					-300.00
Bill Pmt -Check	2832	10/18/2023	Rosedale Kern Properties LLC	10006 - Tri-Counties Bank-Operations	
Bill	2023-2	07/01/2023		61660 - Property Lease Expense	-35,802.00
General Journal	YE23-014R	10/18/2023	Rosedale Kern Properties LLC	20000 - Accounts Payable	0.00
TOTAL					-35,802.00
Bill Pmt -Check	2833	10/18/2023	Southern California Edison (700122257127)	10006 - Tri-Counties Bank-Operations	
Bill	700722257127 Oct 23	10/05/2023	RRBWSD:Onyx Ranch	66000 - Utilities	-18.27
			RRBWSD:Onyx Ranch	66000 - Utilities	-31.71
			RRBWSD:Onyx Ranch	66000 - Utilities	-18.27
			RRBWSD:Onyx Ranch	66000 - Utilities	-72.68
			RRBWSD:Onyx Ranch	66000 - Utilities	-408.25
			RRBWSD:Onyx Ranch	61301 - GW Well Pumping Expense	-72.68
			RRBWSD:Onyx Ranch	66000 - Utilities	-100.83
			RRBWSD:Onyx Ranch	66000 - Utilities	-14.04
			RRBWSD:Onyx Ranch	61301 - GW Well Pumping Expense	-86.45
			RRBWSD:Onyx Ranch	60200 - Licenses, Permits and Fees	-4.41
TOTAL					-827.59
Bill Pmt -Check	2834	10/18/2023	TARGET SPECIALTY PRODUCTS	10006 - Tri-Counties Bank-Operations	
Bill	INVP501296244	10/03/2023		65500 - Weed Contol/Chemicals	-9,862.72
TOTAL					-9,862.72
Bill Pmt -Check	2835	10/18/2023	Thomas Harder & Co., Inc.	10006 - Tri-Counties Bank-Operations	
Bill	23-054-135.5	10/06/2023	James Water Bank Authority	63006 - Hydrogeology Consultants	-6,303.75
Bill	23-054-136.3	10/06/2023	RRBWSD:McCaslin/Bowling Recovery	63006 - Hydrogeology Consultants	-352.50
TOTAL					-6,656.25
Bill Pmt -Check	2836	10/18/2023	Thomas Refuse Service, Inc	10006 - Tri-Counties Bank-Operations	
Bill	3A106190	10/01/2023	RRBWSD:Onyx Ranch	66000 - Utilities	-236.67
Bill	3A106417	10/01/2023	RRBWSD:Onyx Ranch	66000 - Utilities	-81.03
TOTAL					-317.70
Bill Pmt -Check	2837	10/18/2023	Torres Clemente	10006 - Tri-Counties Bank-Operations	
Bill	20231016	10/16/2023		60110 - Assesment Expense	-5,599.72
TOTAL					-5,599.72
Bill Pmt -Check	2838	10/18/2023	Tyack's Tire Inc	10006 - Tri-Counties Bank-Operations	
Bill	228049	10/07/2023		65001 - Equip. Maint. & Repair	-197.12
TOTAL					-197.12
Bill Pmt -Check	2839	10/18/2023	Verizon Wireless	10006 - Tri-Counties Bank-Operations	
Bill	9946154718	10/16/2023		66001 - Phone / Internet Expense	-735.96
TOTAL					-735.96
Bill Pmt -Check	2840	10/18/2023	Vital Signs	10006 - Tri-Counties Bank-Operations	
Bill	40301	10/10/2023		65100 - Building Maintenance	-1,251.41
TOTAL					-1,251.41
Bill Pmt -Check	2841	10/18/2023	Zach Smith-Reimbursement	10006 - Tri-Counties Bank-Operations	

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	Type	Num	Date	Name	Account	Paid Amount
	Bill	20231012	10/12/2023	RRBWSD:CVC Litigation	61650 - Operating Supplies	-213.22
TOTAL						-213.22
	<b>Bill Pmt -Check</b>	<b>2842</b>	<b>10/30/2023</b>	<b>ACE HARDWARE</b>	<b>10006 - Tri-Counties Bank-Operations</b>	
	Bill	63594	10/18/2023		61650 - Operating Supplies	-103.88
TOTAL						-103.88
	<b>Bill Pmt -Check</b>	<b>2843</b>	<b>10/30/2023</b>	<b>ACWA JPIA (W/C,Auto,GL,Prop)</b>	<b>10006 - Tri-Counties Bank-Operations</b>	
	Bill	2023-10-01	10/23/2023		63010 - GL/Property/Auto Insurance Prem	-50,887.00
TOTAL						-50,887.00
	<b>Bill Pmt -Check</b>	<b>2844</b>	<b>10/30/2023</b>	<b>Bakersfield Well &amp; Pump Inc.</b>	<b>10006 - Tri-Counties Bank-Operations</b>	
	Bill	5239.66	10/19/2023		65101 - Water Structure Maintenance	-5,239.66
TOTAL						-5,239.66
	<b>Bill Pmt -Check</b>	<b>2845</b>	<b>10/30/2023</b>	<b>Barnes, Earl K &amp; Carolyn M.</b>	<b>10006 - Tri-Counties Bank-Operations</b>	
	Bill	20231023	10/23/2023		60110 - Assesment Expense	-9,552.22
					60110 - Assesment Expense	-558.22
					60110 - Assesment Expense	-4,350.22
TOTAL						-14,460.66
	<b>Bill Pmt -Check</b>	<b>2846</b>	<b>10/30/2023</b>	<b>Benjamin P. Ruiz</b>	<b>10006 - Tri-Counties Bank-Operations</b>	
	Bill	2023 Oct Onyx Smith	10/04/2023	RRBWSD:Onyx Ranch	63005 - Environmental Consultants	-2,300.00
TOTAL						-2,300.00
	<b>Bill Pmt -Check</b>	<b>2847</b>	<b>10/30/2023</b>	<b>Carroll's Tire Warehouse</b>	<b>10006 - Tri-Counties Bank-Operations</b>	
	Bill	91905	10/12/2023		65000 - Auto and Truck Maint. & Repair	-1,315.30
	Bill	91959	10/17/2023		65000 - Auto and Truck Maint. & Repair	-299.47
TOTAL						-1,614.77
	<b>Bill Pmt -Check</b>	<b>2848</b>	<b>10/30/2023</b>	<b>Esparza Enterprises, Inc</b>	<b>10006 - Tri-Counties Bank-Operations</b>	
	Bill	118014	10/18/2023	RRBWSD:Onyx Ranch	63007 - Other Contracted Services	-480.00
	Bill	118013	10/18/2023	RRBWSD:Onyx Ranch	63007 - Other Contracted Services	-3,780.42
	Bill	118181	10/25/2023	RRBWSD:Onyx Ranch	63007 - Other Contracted Services	-240.00
	Bill	118180	10/25/2023	RRBWSD:Onyx Ranch	63007 - Other Contracted Services	-3,967.02
TOTAL						-8,467.44
	<b>Bill Pmt -Check</b>	<b>2849</b>	<b>10/30/2023</b>	<b>Executive Express Lines Inc.</b>	<b>10006 - Tri-Counties Bank-Operations</b>	
	Bill	5339	10/24/2023		67000 - Travel Expense	-1,300.00
TOTAL						-1,300.00
	<b>Bill Pmt -Check</b>	<b>2850</b>	<b>10/30/2023</b>	<b>Kern County Water Agency</b>	<b>10006 - Tri-Counties Bank-Operations</b>	
	Bill	40547	10/16/2023		64000 - Water Transaction Fees	-7,700.00
TOTAL						-7,700.00
	<b>Bill Pmt -Check</b>	<b>2851</b>	<b>10/30/2023</b>	<b>Martinez Gardening Service</b>	<b>10006 - Tri-Counties Bank-Operations</b>	
	Bill	906502	10/20/2023		65100 - Building Maintenance	-200.00
					65100 - Building Maintenance	-200.00
TOTAL						-400.00
	<b>Bill Pmt -Check</b>	<b>2852</b>	<b>10/30/2023</b>	<b>Mission Uniform Service</b>	<b>10006 - Tri-Counties Bank-Operations</b>	
	Bill	520281248	10/20/2023		63500 - Janitorial Expense	-142.92
	Bill	520234550	10/20/2023		63500 - Janitorial Expense	-164.40
TOTAL						-307.32
	<b>Bill Pmt -Check</b>	<b>2853</b>	<b>10/30/2023</b>	<b>PG&amp;E (3387844223-6)</b>	<b>10006 - Tri-Counties Bank-Operations</b>	
	Bill	3387844223-6 Oct 23	10/16/2023	Groundwater Banking, JPA:West Enos Recharge	66000 - Utilities	-58.60

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	<u>Type</u>	<u>Num</u>	<u>Date</u>	<u>Name</u>	<u>Account</u>	<u>Paid Amount</u>
TOTAL						-58.60
	Bill Pmt -Check	2854	10/30/2023	Standard Insurance	10006 - Tri-Counties Bank-Operations	
	Bill	006492990038 Nov 23	10/16/2023	RRBWSD:Onyx Ranch	20035 - Benefit Liabilities	-62.19
					20035 - Benefit Liabilities	-645.25
TOTAL						-707.44
	Bill Pmt -Check	2855	10/30/2023	United Rentals	10006 - Tri-Counties Bank-Operations	
	Bill	225932368-001	10/16/2023		61500 - Equipment Rental Expense	-537.23
	Bill	220648729-006	10/17/2023	RRBWSD:Onyx Ranch	61500 - Equipment Rental Expense	-1,536.07
TOTAL						-2,073.30
<b>AP to be ratified</b>						<b>-317,149.01</b>
	Bill Pmt -Check	2856	11/10/2023	ACE HARDWARE	10006 - Tri-Counties Bank-Operations	
	Bill	63605	10/24/2023		61650 - Operating Supplies	-40.66
	Bill	63671	11/07/2023		61650 - Operating Supplies	-18.60
TOTAL						-59.26
	Bill Pmt -Check	2857	11/10/2023	ACWA - JPIA (Benefits)	10006 - Tri-Counties Bank-Operations	
	Bill	0701021	11/03/2023		20035 - Benefit Liabilities	-15,341.02
TOTAL						-15,341.02
	Bill Pmt -Check	2858	11/10/2023	Advanced Data Storage, Inc.	10006 - Tri-Counties Bank-Operations	
	Bill	0172929	10/28/2023		62000 - General Office Expense	-41.40
TOTAL						-41.40
	Bill Pmt -Check	2859	11/10/2023	AE-COM Engineering Inc	10006 - Tri-Counties Bank-Operations	
	Bill	2000820364	10/27/2023		63004 - Engineering Services	-5,010.04
TOTAL						-5,010.04
	Bill Pmt -Check	2860	11/10/2023	Barnes Welding Supply	10006 - Tri-Counties Bank-Operations	
	Bill	0091635496	10/31/2023		61500 - Equipment Rental Expense	-45.58
TOTAL						-45.58
	Bill Pmt -Check	2861	11/10/2023	Barry Watts	10006 - Tri-Counties Bank-Operations	
	Bill	October 2023	10/10/2023		62007 - Directors' Fees	-100.66
TOTAL						-100.66
	Bill Pmt -Check	2862	11/10/2023	Belden Blaine Raytis, LLP	10006 - Tri-Counties Bank-Operations	
	Bill	21666	11/03/2023	RRBWSD:Onyx Ranch	63000 - Legal Services	-11,207.75
	Bill	21670	11/03/2023	RRBWSD:SGMA	63000 - Legal Services	-2,921.25
					63000 - Legal Services	-15,817.75
TOTAL						-29,946.75
	Bill Pmt -Check	2863	11/10/2023	Belluomini Ranches LP	10006 - Tri-Counties Bank-Operations	
	Bill	2023-10-13	10/30/2023		60110 - Assesment Expense	-1,521.22
TOTAL						-1,521.22
	Bill Pmt -Check	2864	11/10/2023	Berchtold Equipment Company	10006 - Tri-Counties Bank-Operations	
	Bill	P25340	11/01/2023	RRBWSD:Onyx Ranch	65001 - Equip. Maint. & Repair	-282.29
TOTAL						-282.29
	Bill Pmt -Check	2865	11/10/2023	BSK Associates Inc	10006 - Tri-Counties Bank-Operations	
	Bill	AG22842	10/01/2023	RRBWSD:SGMA	61655 - Water Quality Testing	-605.00
TOTAL						-605.00

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Type	Num	Date	Name	Account	Paid Amount
Bill Pmt -Check	2866	11/10/2023	Carroll's Tire Warehouse	10006 - Tri-Counties Bank-Operations	
Bill	92322	11/07/2023		65000 - Auto and Truck Maint. & Repair	-1,320.14
TOTAL					-1,320.14
Bill Pmt -Check	2867	11/10/2023	Christensen, Inc.	10006 - Tri-Counties Bank-Operations	
Bill	280390CT	10/31/2023	RRBWSD:Onyx Ranch	61800 - Fuel	-596.61
TOTAL				61800 - Fuel	-4,054.09
					-4,650.70
Bill Pmt -Check	2868	11/10/2023	Colantuono, Highsmith & Whatley, PC	10006 - Tri-Counties Bank-Operations	
Bill	58105	11/04/2023	RRBWSD:SGMA	63000 - Legal Services	-81.00
TOTAL					-81.00
Bill Pmt -Check	2869	11/10/2023	Dan Bartel-Expense Acct	10006 - Tri-Counties Bank-Operations	
Bill	20231108	11/08/2023		62000 - General Office Expense	-47.41
TOTAL				62000 - General Office Expense	-107.97
					-155.38
Bill Pmt -Check	2870	11/10/2023	David Janes Company	10006 - Tri-Counties Bank-Operations	
Bill	0422116-IN	10/23/2023		61650 - Operating Supplies	-129.92
TOTAL					-129.92
Bill Pmt -Check	2871	11/10/2023	EquipmentShare	10006 - Tri-Counties Bank-Operations	
Bill	BFL-3021938-0002	11/29/2023		61500 - Equipment Rental Expense	-2,995.11
TOTAL					-2,995.11
Bill Pmt -Check	2872	11/10/2023	Esparza Enterprises, Inc	10006 - Tri-Counties Bank-Operations	
Bill	118410	11/01/2023	RRBWSD:Onyx Ranch	63007 - Other Contracted Services	-120.00
Bill	118409	11/01/2023	RRBWSD:Onyx Ranch	63007 - Other Contracted Services	-2,406.15
			RRBWSD-IRWD:Strand Ranch	63007 - Other Contracted Services	-375.68
				63007 - Other Contracted Services	-563.52
Bill	118612	11/08/2023	RRBWSD:Onyx Ranch	63007 - Other Contracted Services	-3,689.30
TOTAL					-7,154.65
Bill Pmt -Check	2873	11/10/2023	Gary Unruh	10006 - Tri-Counties Bank-Operations	
Bill	October 2023	10/30/2023		62007 - Directors' Fees	-1,070.35
TOTAL					-1,070.35
Bill Pmt -Check	2874	11/10/2023	GEI Consultants, Inc	10006 - Tri-Counties Bank-Operations	
Bill	3141490	11/07/2023		63004 - Engineering Services	-245.83
TOTAL					-245.83
Bill Pmt -Check	2875	11/10/2023	Green Rubber Kennedy Ag	10006 - Tri-Counties Bank-Operations	
Bill	BF-101338	10/01/2023	RRBWSD:Onyx Ranch	61650 - Operating Supplies	-142.62
TOTAL					-142.62
Bill Pmt -Check	2876	11/10/2023	Hafenfeld Ranch, LLC	10006 - Tri-Counties Bank-Operations	
Bill	2586	10/24/2023	RRBWSD:Onyx Ranch	61800 - Fuel	-1,279.91
Bill	2587	10/27/2023	RRBWSD:Onyx Ranch	61800 - Fuel	-760.34
TOTAL					-2,040.25
Bill Pmt -Check	2877	11/10/2023	Heather Durham Reimbursement	10006 - Tri-Counties Bank-Operations	
Bill	20231106	11/06/2023		62000 - General Office Expense	-14.92
TOTAL					-14.92
Bill Pmt -Check	2878	11/10/2023	Jason Selvidge	10006 - Tri-Counties Bank-Operations	
Bill	October 2023	10/10/2023		62007 - Directors' Fees	-125.41

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TOTAL						-125.41
	Bill Pmt -Check	2879	11/10/2023	JSC Agricultural Supply	10006 - Tri-Counties Bank-Operations	
	Bill	343825	11/03/2023		61650 - Operating Supplies	-3,405.55
	Bill	343824	11/03/2023		61650 - Operating Supplies	-49.03
TOTAL						-3,454.58
	Bill Pmt -Check	2880	11/10/2023	Kern County Water Agency	10006 - Tri-Counties Bank-Operations	
	Bill	40573	10/19/2023		61300 - SW Pumping Expense	-131,230.00
	Bill	40585	10/23/2023		61300 - SW Pumping Expense	-48,818.00
	Bill	40579	10/23/2023		61300 - SW Pumping Expense	-63,275.00
	Bill	40594	11/01/2023		61300 - SW Pumping Expense	-379,467.00
TOTAL						-622,790.00
	Bill Pmt -Check	2881	11/10/2023	Markus Nygren- Expense Acct	10006 - Tri-Counties Bank-Operations	
	Bill	2023-11-08	11/08/2023		61650 - Operating Supplies	-241.35
TOTAL						-241.35
	Bill Pmt -Check	2882	11/10/2023	Meyer Civil Engineering, Inc	10006 - Tri-Counties Bank-Operations	
	Bill	9731	10/31/2023	RRBWSD:CVC Litigation	63004 - Engineering Services	-9,034.05
TOTAL						-9,034.05
	Bill Pmt -Check	2883	11/10/2023	Mission Uniform Service	10006 - Tri-Counties Bank-Operations	
	Bill	520369627	11/03/2023		63500 - Janitorial Expense	-92.51
TOTAL						-92.51
	Bill Pmt -Check	2884	11/10/2023	Office1	10006 - Tri-Counties Bank-Operations	
	Bill	AR1037332	11/07/2023		62001 - Printing & Reproduction	-175.27
TOTAL						-175.27
	Bill Pmt -Check	2885	11/10/2023	PG&E (0439653883-9)	10006 - Tri-Counties Bank-Operations	
	Bill	0439653883-9 Nov 23	11/01/2023	RRBWSD-IRWD:Strand Ranch	61300 - SW Pumping Expense	-307.75
TOTAL						-307.75
	Bill Pmt -Check	2886	11/10/2023	PG&E (1338232537-4)	10006 - Tri-Counties Bank-Operations	
	Bill	1338232537-4 Nov 23	11/01/2023	RRBWSD-IRWD:SUP Wells	61301 - GW Well Pumping Expense	-1,172.48
TOTAL						-1,172.48
	Bill Pmt -Check	2887	11/10/2023	PG&E (3923107207-3)	10006 - Tri-Counties Bank-Operations	
	Bill	3923107207-3 Nov 23	11/01/2023	RRBWSD-IRWD:Strand Ranch	61301 - GW Well Pumping Expense	-1,272.72
TOTAL						-1,272.72
	Bill Pmt -Check	2888	11/10/2023	PG&E (5592643715-7)	10006 - Tri-Counties Bank-Operations	
	Bill	55592643715-7 Nov 23	11/01/2023	RRBWSD:WB Wells	61301 - GW Well Pumping Expense	-129.00
TOTAL						-129.00
	Bill Pmt -Check	2889	11/10/2023	PG&E (5919499601-9)	10006 - Tri-Counties Bank-Operations	
	Bill	5919499601-9 Nov 23	11/01/2023	RRBWSD:Enns Wells	61301 - GW Well Pumping Expense	-76.81
TOTAL						-76.81
	Bill Pmt -Check	2890	11/10/2023	PG&E (8190181094-5)	10006 - Tri-Counties Bank-Operations	
	Bill	8190181094-5 Nov 23	11/01/2023		61301 - GW Well Pumping Expense	-137.52
TOTAL						-137.52
	Bill Pmt -Check	2891	11/10/2023	Quinn Company	10006 - Tri-Counties Bank-Operations	
	Bill	25820703	10/31/2023	RRBWSD:Onyx Ranch	61500 - Equipment Rental Expense	-1,031.89
TOTAL						-1,031.89

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Type	Num	Date	Name	Account	Paid Amount
Bill Pmt -Check	2892	11/10/2023	Ramzi Mansour	10006 - Tri-Counties Bank-Operations	
Bill	20231028	10/28/2023		60110 - Assesment Expense	-4,438.72
TOTAL					<u>-4,438.72</u>
Bill Pmt -Check	2893	11/10/2023	Roy Pierucci	10006 - Tri-Counties Bank-Operations	
Bill	October 2023	10/31/2023		62007 - Directors' Fees	-969.17
TOTAL					<u>-969.17</u>
Bill Pmt -Check	2894	11/10/2023	Southern California Edison (700102049704)	10006 - Tri-Counties Bank-Operations	
Bill	700102049704 Oct 23	10/27/2023	RRBWSD:Onyx Ranch	66000 - Utilities	-180.78
TOTAL					<u>-180.78</u>
Bill Pmt -Check	2895	11/10/2023	Southern California Edison (700511405161)	10006 - Tri-Counties Bank-Operations	
Bill	700511405161 Oct 23	10/27/2023	RRBWSD:Onyx Ranch	66000 - Utilities	-28.42
TOTAL					<u>-28.42</u>
Bill Pmt -Check	2896	11/10/2023	Spectrum Business	10006 - Tri-Counties Bank-Operations	
Bill	1355119110123	11/01/2023		66001 - Phone / Internet Expense	-149.98
TOTAL					<u>-149.98</u>
Bill Pmt -Check	2897	11/10/2023	SUPERIOR SANITATION	10006 - Tri-Counties Bank-Operations	
Bill	3B100311	11/01/2023		66000 - Utilities	-231.68
TOTAL					<u>-231.68</u>
Bill Pmt -Check	2898	11/10/2023	TARGET SPECIALTY PRODUCTS	10006 - Tri-Counties Bank-Operations	
Bill	INVP501323358	10/31/2023		65500 - Weed Contol/Chemicals	-2,901.85
TOTAL					<u>-2,901.85</u>
Bill Pmt -Check	2899	11/10/2023	Thomas Harder & Co., Inc.	10006 - Tri-Counties Bank-Operations	
Bill	23-094-104.1	11/03/2023	RRBWSD:Onyx Ranch	63006 - Hydrogeology Consultants	-15,821.25
Bill	23-054-135.6	11/03/2023	James Water Bank Authority	63006 - Hydrogeology Consultants	-2,250.00
TOTAL					<u>-18,071.25</u>
Bill Pmt -Check	2900	11/10/2023	Thomas Refuse Service, Inc	10006 - Tri-Counties Bank-Operations	
Bill	3B110339	11/01/2023	RRBWSD:Onyx Ranch	66000 - Utilities	-81.03
Bill	3B110107	11/01/2023	RRBWSD:Onyx Ranch	66000 - Utilities	-236.67
TOTAL					<u>-317.70</u>
Bill Pmt -Check	2901	11/10/2023	Water Association of Kern County	10006 - Tri-Counties Bank-Operations	
Bill	WAKC Annual Meeting	10/31/2023		62008 - Educational Expenses	-600.00
TOTAL					<u>-600.00</u>
Bill Pmt -Check	2902	11/10/2023	Workforce go!	10006 - Tri-Counties Bank-Operations	
Bill	INV-0029854	11/01/2023		60001 - Payroll Expense	-52.74
TOTAL					<u>-52.74</u>
Bill Pmt -Check	2903	11/10/2023	WSI Internet Consulting, LLC	10006 - Tri-Counties Bank-Operations	
Bill	7404	10/24/2023		66011 - Technology Fees & Subscriptions	-122.50
Bill	7438	11/08/2023	RRBWSD:Onyx Ranch	66011 - Technology Fees & Subscriptions	-34.00
TOTAL					<u>-156.50</u>
<b>Total AP Current</b>					<b>-741,094.22</b>

**Total AP Current + Ratified -1,058,243.23**

**Rosedale- Rio Bravo WSD**  
**Revenue and Expenditures**  
 January through October 2023

Ordinary Income/Expense	TOTAL			
	Oct 23	Jan - Oct 23	Budget	% of Budget
<b>Income</b>				
40000 · Assesment Income	3,963.36	5,811,774.22	5,809,040.00	100.05%
40010 · Prior Year Assesment Income	3,150.04	179,965.04	18,000.00	999.81%
40503 · SW Pumping Reimbursement	0.00	0.00	50,000.00	0.0%
40506 · Groundwater Mitigation Income	0.00	280.15	100,000.00	0.28%
40507 · O & M Reimbursement Income	260,146.18	282,632.23	175,000.00	161.5%
40508 · Groundwater Banking Income	0.00	5,481,949.00	5,481,949.00	100.0%
40509 · Lease Income	1,210.00	65,556.36	70,000.00	93.65%
40510 · Groundwater Recovery Reimb.	0.00	739,290.56	6,250,000.00	11.83%
40511 · Non-Reoccurring Water Sale	0.00	0.00	3,250,000.00	0.0%
40600 · Interest Income	121,376.15	1,015,804.13	300,000.00	338.6%
41000 · Other Income	85.00	13,646.57	5,000.00	272.93%
41001 · Refunds and Credits	3,826.71	43,454.37	150,000.00	28.97%
41005 · Income from Sale of Asset	0.00	360,918.20		
41010 · Grant Income	0.00	3,110.90	1,600,000.00	0.19%
41050 · Resource Management Income	10,143.36	129,516.08	100,000.00	129.52%
<b>Total Income</b>	<b>403,900.80</b>	<b>14,127,897.81</b>	<b>23,358,989.00</b>	<b>60.48%</b>
<b>Gross Profit</b>	<b>403,900.80</b>	<b>14,127,897.81</b>	<b>23,358,989.00</b>	<b>60.48%</b>
<b>Expense</b>				
60000 · Wages and Salaries Expense	111,120.61	1,187,418.21	1,484,000.00	80.02%
60001 · Payroll Expense	2,107.47	23,267.02	33,000.00	70.51%
Total 60005 · Benefits Health,Dent.Life.Vis.D	11,504.82	120,248.61	180,000.00	66.81%
60006 · Benefits- CalPers Retirement	9,300.38	142,020.39	210,000.00	67.63%
60007 · Workers Compensation Insurance	2,209.49	23,919.37	33,000.00	72.48%
60100 · Bank Service Charges	152.20	1,605.19	4,000.00	40.13%
60110 · Assesment Expense	26,020.32	26,020.32	125,000.00	20.82%
60200 · Licenses, Permits and Fees	2,434.41	47,728.36	10,000.00	477.28%
61000 · KCWA SWP Expense	0.00	4,171,924.00	3,477,791.00	119.96%
61001 · City of Bak. Basic Contract Exp	0.00	656,899.62	585,000.00	112.29%
61050 · Other Water Purch Expense	0.00	506,347.50	250,000.00	202.54%
61300 · SW Pumping Expense	261,744.99	473,725.97	200,000.00	236.86%
61301 · GW Well Pumping Expense	3,284.58	864,620.25	8,000,000.00	10.81%
61350 · Groundwater Mitigation Expense	0.00	3,971.00	50,000.00	7.94%
61400 · Third Party Project Operations	0.00	782,994.11	1,144,000.00	68.44%
61401 · Delta Conveyance Project Expens	0.00	757,720.00	757,720.00	100.0%
61450 · Regulatory Program Compliance	-246.99	60,640.07	60,000.00	101.07%
61500 · Equipment Rental Expense	7,177.77	49,557.70	50,000.00	99.12%
61650 · Operating Supplies	3,261.36	30,736.84	30,000.00	102.46%
61655 · Water Quality Testing	605.00	13,924.54	50,000.00	27.85%
61660 · Property Lease Expense	0.00	71,604.00	61,200.00	117.0%
61800 · Fuel	31,705.13	214,463.16	90,000.00	238.29%
62000 · General Office Expense	2,247.69	16,319.64	25,000.00	65.28%
62001 · Printing & Reproduction	193.28	1,626.08	12,000.00	13.55%
62003 · Publications and Notices	77.50	4,517.00	2,000.00	225.85%
62005 · Dues and Membership	29,900.00	77,450.00	83,675.00	92.56%
62007 · Directors' Fees	2,265.59	26,317.41	35,000.00	75.19%
62008 · Educational Expenses	830.00	6,009.64	5,000.00	120.19%
62009 · Postage and Delivery	504.35	1,597.04	3,500.00	45.63%
63000 · Legal Services	39,194.67	301,340.76	500,000.00	60.27%
63002 · Audit and Accounting Services	13,050.00	40,950.00	40,000.00	102.38%
63004 · Engineering Services	20,017.29	89,161.59	50,000.00	178.32%
63005 · Environmental Consultants	2,300.00	38,250.00	50,000.00	76.5%
63006 · Hydrogeology Consultants	6,656.25	81,380.00	100,000.00	81.38%
63007 · Other Contracted Services	15,778.32	350,704.31	150,000.00	233.8%
63010 · GL/Property/Auto Insurance Prem	12,721.74	89,833.83	70,000.00	128.33%
63500 · Janitorial Expense	399.83	6,814.85	9,000.00	75.72%



**Rosedale- Rio Bravo WSD**  
**Revenue and Expenditures**  
 January through October 2023

	TOTAL			
	Oct 23	Jan - Oct 23	Budget	% of Budget
64000 · Water Transaction Fees	7,700.00	21,173.00	50,000.00	42.35%
65000 · Auto and Truck Maint. & Repair	6,197.34	31,099.59	25,000.00	124.4%
65001 · Equip. Maint. & Repair	3,636.72	53,459.21	50,000.00	106.92%
65002 · Mileage Reimbursement Expense	0.00	120.52	500.00	24.1%
65100 · Building Maintenance	1,776.30	42,016.87	15,000.00	280.11%
65101 · Water Structure Maintenance	5,239.66	67,171.34	20,000.00	335.86%
65200 · Booster Pump Maintenance Exp.	0.00	0.00	20,000.00	0.0%
65201 · Well Maintenance Expense	0.00	60,974.40	100,000.00	60.97%
65500 · Weed Contol/Chemicals	12,764.57	81,377.63	100,000.00	81.38%
66000 · Utilities	1,666.34	14,851.07	14,000.00	106.08%
66001 · Phone / Internet Expense	934.52	11,916.68	16,000.00	74.48%
66011 · Technology Fees & Subscriptions	1,761.99	29,057.06	62,000.00	46.87%
67000 · Travel Expense	1,354.07	9,680.00	5,000.00	193.6%
68000 · Taxes - Property	52,977.05	183,483.50	200,000.00	91.74%
70000 · Capital Water Structure Expense	-1,789.77	129,709.28	500,000.00	25.94%
70001 · Capital Building Expense	0.00	4,959.03	75,000.00	6.61%
70100 · Capital Booster Pump	0.00	0.00	50,000.00	0.0%
70101 · Capital Well Expenses	0.00	122,661.00	1,200,000.00	10.22%
70200 · Capital Engineering Consult Exp	0.00	56,917.50	250,000.00	22.77%
70201 · Capital Environmental Cons Exp.	0.00	0.00	50,000.00	0.0%
70500 · Capital - Auto and Truck Exp.	0.00	44,255.71	50,000.00	88.51%
70501 · Capital Equipment Expense	0.00	30,860.43	120,000.00	25.72%
70600 · Capital Office Equipment Expens	0.00	2,420.29	18,000.00	13.45%
70602 · Capital Land Expense	0.00	1,534,080.63	532,194.00	288.26%
70700 · Third Party Projects- Capital	0.00	851,000.00	4,833,000.00	17.61%
88004 · 2020 COP- Debt Service Expense	120,891.74	3,648,917.40	3,930,597.00	92.83%
88100 · COP Administration Expense	5,000.00	8,200.00	5,500.00	149.09%
<b>Total Expense</b>	<b>838,628.58</b>	<b>18,403,990.52</b>	<b>30,311,677.00</b>	<b>60.72%</b>
<b>Net Income</b>	<b>-434,727.78</b>	<b>-4,276,092.71</b>	<b>-6,952,688.00</b>	<b>61.5%</b>

TO: Rosedale-Rio Bravo Water Storage District Board of Directors  
Agenda Item 3.d.

FROM: Dan W. Bartel

DATE: November 10, 2023

RE: Proposed Water Charge – Resolution No. 536 and Ordinance No. 2

**Discussion:**

Since the enactment of the Sustainable Groundwater Management Act (SGMA), the District has had various discussions regarding the development and implementation of a water charge that would be a volumetric charge based on water use in excess of supply. The need for such a charge is driven by SGMA requirements to manage the underlying groundwater basin in a sustainable manner. The District's sustainable groundwater management has been hindered in the short term by hydrology (i.e., recent droughts), and in the long term by regulatory constraints on pumping from the Sacramento-San Joaquin River Delta which have resulted in a decline in available District supplies from the State Water Project. The Water Charge is necessary to fund projects and the acquisition of land and water in order to generally balance the water supply and demand in the District and to meet the requirements of SGMA. Therefore, a water charge was included as a potential management action in the District's Groundwater Sustainability Plan (GSP).

In furtherance of such discussions and to further implementation of the District's GSP, the District engaged AECOM to develop a Rate Study to investigate and make recommendations regarding the proposed water charge. The Rate Study is attached to the resolution that the Board is considering at the November 14, 2023 meeting. It is proposed in the Rate Study that the Water Charge apply to consumptive use on agricultural parcels that exceeds the available supply. Available supply is determined with reference to the amount of water the District's project has provided (using a 20-year average), plus precipitation from the previous year and a per-acre portion of the basin's assumed safe yield. The Rate Study recommends a maximum water charge of \$256 per-acre foot used in excess of supply. It is important to note that the recommended rate is a maximum rate. If approved, the Board of Directors will annually set the rate at a level equal to or less than the maximum after consideration of various financial factors, including the District's projected revenues and expenses as well as land, water, and project construction costs.

On September 26<sup>th</sup>, 2023, the Board considered and adopted Resolution No. 535. In that Resolution, the Board called for a public hearing with respect to the proposed Water Charge, to be held on November 14, 2023 at 8:30 a.m., at which time any person interested, including all persons owning land subject to the proposed charge, may appear and be heard. The Board also directed staff to send notice of the hearing to the record owner of each parcel upon which the Water Charge may be imposed.

Staff sent notice to landowners as directed by the Board. Staff also made information relating to the water charge and the public hearing available to the public by posting it at the

District office and on the District website, as well as publishing a notice in a newspaper of general circulation.

**Response to Comments Received:** To date, the District has received both written and oral comments on the proposed Water Charge. Although there is no requirement that the District respond to comments, the following general responses to substantive comments are provided in order to increase transparency:

- **Objection to Imposition of Charge on Fallow Ground and/or for Water Use Indoors/Industrial Purposes:** These comments convey a misunderstanding of how water use will be measured for purposes of implementing the water charge. As explained in the Rate Study, the District will measure the applicable consumptive use of water on each parcel using a satellite-based evapotranspiration (ET) model and Kern County assessor parcel data to develop the water demands on a per parcel basis. Indoor and industrial uses on agricultural parcels was found to be minimal and will not be included in the water use ET data. Likewise, the ET on fallow ground will be less than the available supply. Therefore, the water charge will not be triggered by indoor/industrial uses or by ET on fallow ground.
- **Plan for SGMA Compliance Over 20 Years Should be Developed:** One protest requested information showing a “complete plan” for SGMA compliance over 20 years. Staff believes that such a plan exists in the current version of the District’s GSP. The District’s GSP projects a potential long-term water supply deficiency, which the District seeks to eliminate over the next 20 years in a regressive fashion (aggressive in the first 10 years) by a combination of projects and water management actions. The Water Charge is one such management action that is intended to generate supply (through funding water supply projects, water supply acquisitions and/or the acquisition of land for fallowing) and reduce demand. A more complete discussion of the District’s long term plans can be reviewed at <https://www.rrbwsd.com> though the “SGMA” tab. Staff acknowledges that the GSP may be revised in coordination with all of the other GSAs in the basin in order to avoid probationary status with the State Water Resources Control Board. Notwithstanding such revisions, the overall “plan” for the elimination of the deficiency and the associated projects/managements actions that are described in the District’s current GSP are anticipated to remain largely unchanged.
- **Water Charge Funds Should be Segregated:** One protest suggested that the funds collected from the water charge should be segregated so that the District can monitor and measure what the funds are achieving, which “allows for course correction down the line if we are not achieving the expected returns.” The funds collected from the water charge will be accounted for separately from other District revenues as the comment suggests. In addition, the Board will meet each year to determine the rate of the water charge for the following year. At that time, the Board will consider various financial factors, including the District’s projected revenues and expenses as well as land, water, and project construction costs.

- **Different Time Periods Should be Investigated for Purposes of Determining the Amount of District Supply:** One protest questioned the use of a 20-year average to determine the amount of the District's project supply that is available to a landowner before the water charge will be imposed. Staff and the Board has considered using various time periods for this purpose, from as short as one year and extending to the 20-year period that is being recommended. Shortening the time period increases volatility in the amount collected, which would, in turn, increase instability in the farming community. After much analysis and consideration, it is staff's recommendation that the Board use the 20-year average as recommended in the Rate Study.

**Water Charge Policy:** On September 26, 2023, Staff presented to the Board a set of proposed Board Policies for Water Charge Implementation for Water Year 2024. These policies set forth the terms and conditions under which the Water Charge would be implemented. Importantly, the proposed policies include provisions that allow for landowners to group together "Farming Units" for the benefit of combining water supply for Water Charge purposes. This "Farming Unit" concept is intended to provide landowners with flexibility in the use of water supplies and to encourage participation in an in-District "water market" that will allow landowners to transfer water supplies from one agricultural parcel to another for purposes of avoiding/minimizing exposure to the Water Charge. The Water Charge Policy is attached to the Resolution that the Board is considering at the November 14, 2023 meeting.

**Recommendation:** Upon consideration of all written and oral testimony provided at the public hearing, and if the tabulation of protests does not show that a majority protests exists, Staff recommends that the Board adopt Resolution No. 536 and waive first reading of Ordinance No. 2.

If approved, the Board will need to consider and set the rate of the Water Charge for 2024 at a future meeting.

**RESOLUTION OF THE  
BOARD OF DIRECTORS OF THE  
ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT  
IN THE MATTER OF  
DECLARING THE RESULTS OF A  
PROPOSITION 218 MAJORITY PROTEST PROCESS  
AND AN ORDINANCE ADOPTING  
THE WATER CHARGE**

**RESOLUTION NO. 536  
ORDINANCE NO. 2**

WHEREAS, Rosedale-Rio Bravo Water Storage District (“District”) is a California Water Storage District formed and existing under the California Water Storage District Law (Wat. Code, §§ 39000 *et seq.*).

WHEREAS, the District was organized and formed in 1959 to implement a plan for recharging the underlying groundwater with surplus surface supplies in order to alleviate groundwater level declines within its boundaries.

WHEREAS, the California legislature adopted and the Governor signed into law the Sustainable Groundwater Management Act (SGMA) (Water Code §§ 10720 *et seq.*) in 2014, which generally requires the management of the underlying groundwater reservoir in a sustainable manner.

WHEREAS, the District has elected to form the Rosedale-Rio Bravo Water Storage District Groundwater Sustainability Agency and to undertake sustainable groundwater management within the boundaries of the District.

WHEREAS, the District has developed a Conjunctive Use Project that currently provides all lands within the District with a pro-rata share of groundwater benefits based on acreage, and all landowners pay to the District an annual assessment on a per-acre basis to fund the operation of the District’s Project for the benefit of the District’s landowners.

WHEREAS, certain landowners require and use more water than the amount of supply historically available from the District’s Project.

WHEREAS, Water Code § 43006 authorizes the District to “fix tolls or charges for the use of water, including the use of groundwater.”

WHEREAS, Water Code § 10730.2 authorizes the District to impose “fees on the extraction of groundwater from the basin to fund costs of groundwater management, including...activities necessary or convenient to implement [its GSP],” which may be “charged on a volumetric basis [and may] increase based on the quantity of groundwater produced annually, the year in which the production of groundwater commenced from a groundwater extraction facility, and impacts to the basin.”

WHEREAS, on September 26, 2023, the District’s Board of Directors passed Resolution No. 535 declaring its intent to adopt a “Water Charge” that would be a volumetric charge for water use on agricultural parcels within the District that is in excess of the amount of available water supplies, in order to equitably distribute the financial burden of “sustainability” (i.e., balance) to

those landowners who require more water than the District's Project provides, in proportion to their respective overages.

WHEREAS, the District's staff and consultants have prepared a "Water Charge Study" dated September 2023 ("Rate Study") analyzing the appropriate maximum rate for the Water Charge. The Rate Study is attached hereto as Exhibit A.

WHEREAS, the District has elected to consider the Water Charge a "property-related fee" within the meaning of Article 13D, Section 6 of the California Constitution ("Prop 218") for the purpose of conducting a majority protest hearing under Prop 218 before imposing the Water Charge without conceding that it is obliged to do so.

WHEREAS, Resolution No. 535 set a public hearing with respect to the proposed Water Charge, to be held on November 14, 2023 at 8:30 a.m., at the District's office located at 849 Allen Road, Bakersfield, CA 93314, at which time and place any person interested, including all persons owning land subject to the proposed charge, may appear and be heard.

WHEREAS, notice was mailed to all affected property owners in conformity with Proposition 218. An example of the notice is attached hereto as Exhibit B.

WHEREAS, notice was further provided by public postings on the District's website and at the District's office, and by publishing a notice in a newspaper of general circulation in the District. The Proof of Publication is attached hereto as Exhibit C.

WHEREAS, the Rate Study was posted on the District's website and made available at the District's office.

WHEREAS, a copy of this Resolution No. 536 and Ordinance No. 2 was posted at the District office in accordance with California law.

WHEREAS, on November 14, 2023, the Board held a full and fair public hearing on the proposed Water Charge, at which time all interested parties were provided a forum to provide any oral or written comments to the Board.

WHEREAS, the Board has accepted and caused the tabulation of all written protests against the proposed Water Charge that were received prior to the close of the public hearing.

WHEREAS, based upon the tabulation of written protests received, a majority protest to the Water Charge does not exist.

NOW, THEREFORE, IT IS RESOLVED by the Board of Directors ("Board") of the District that:

1. **Findings.** Based on the evidence presented at the public hearing mentioned above, and on other evidence contained within the District's files and records, including the Rate Study and other evidence before the Board, the Board finds as follows:
  - (a) Each of the above recitals is true and correct.
  - (b) The facts stated in the Rate Study are true and correct.
  - (c) Revenues derived from the Water Charge will not exceed the reasonable cost to the District required to provide the services described in the Rate Study.

- (d) Revenues derived from the Water Charge shall not be used for any purpose other than to fund projects and the acquisition of land and water in order to generally balance the water supply and demand in the District in order to meet the requirements of SGMA.
- (e) The maximum amount of the Water Charge levied on a parcel does not exceed the proportional cost of the service attributable to the parcel for the reasons detailed in the Rate Study.
- (f) The Water Charge is imposed for a service actually used by, or immediately available to, the owners of the parcels identified in the Appendix to the Rate Study.
- (g) The Water Charge is not imposed for general governmental services.
- (h) The Water Charge is not a tax within the meaning of Article 13C, Section 1 of the California Constitution, the amount collected will be no more than necessary to cover the reasonable costs of the governmental activity, and the manner in which those costs are allocated among payors bears a fair and reasonable relationship to each payor's burdens on, or benefits received from, the governmental activity, all as further detailed in the Rate Study.

2. **Ordinance.** Be it ordained by the Board of Directors of the Rosedale-Rio Bravo Water Storage District, as follows:

- (a) A Water Charge that is a volumetric charge for water use on agricultural parcels within the District that is in excess of the amount of available water supplies is hereby adopted.
- (b) The amount of the Water Charge will be fixed annually by the Board at an open and public meeting conducted in compliance with the requirements of the Ralph M. Brown Act and other California law.
- (c) The maximum amount of the Water Charge will be \$256.00 per acre-foot of water used in excess of available supply, which shall not be increased except by a majority protest proceeding under Article XIID, section 6 of the California Constitution, or as otherwise allowed by law.
- (d) The time for paying the Water Charge will be fixed by the Board under Water Code section 47181, and delinquencies in payment will be subject to the penalties and interest provided for in section 47182. The District will collect delinquent charges using the procedures set forth in sections 47183 through 47185, or any other procedure lawfully available to the District.

3. **Water Charge Policy.** The District hereby adopts and directs staff to implement the “Water Charge Policy” set forth in Exhibit D, attached hereto and incorporated herein by reference. Said Water Charge Policy may be amended by the Board by a resolution duly adopted by the Board at a public meeting.

4. **Severability.** If any provision, sentence, clause, section, or part of this Resolution and Ordinance or its application to any person or circumstance is found to be unconstitutional, illegal, or invalid by a court of competent jurisdiction, such unconstitutionality, illegality, or invalidity shall affect only such provision, sentence, clause, section, or part or that person or circumstance and shall not affect or impair any of the remaining provisions, sentences, clauses, sections, or parts or application to other persons and circumstances and, to that

end, the provisions of this Resolution and the included Ordinance are hereby declared to be severable. The Board hereby finds that it would have adopted this Resolution and Ordinance had such unconstitutional, illegal, or invalid provision, sentence, clause, section, or part thereof not been included.

- 5. Other Authorized Action.** The District’s staff and counsel are authorized and directed to take all necessary and reasonable actions to effectuate the purpose and intent of this Resolution and Ordinance.

Resolution No. 536, being on motion of Director \_\_\_\_\_, seconded by Director \_\_\_\_\_, is PASSED, APPROVED AND ADOPTED on this 14th day of November, 2023, by the following roll call vote:

AYES:  
NOES:  
ABSTAIN:  
ABSENT:

**I HEREBY CERTIFY** that the foregoing resolution is the resolution of said District as duly passed and adopted by said Board of Directors on the 14<sup>th</sup> day of November, 2023.

**WITNESS** my hand and seal of the Board of Directors this 14th day of November, 2023.

ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT

\_\_\_\_\_  
Board of Directors, President

Attest:

\_\_\_\_\_  
Board of Directors, Secretary



**EXHIBIT A**  
**RESOLUTION NO 536 / ORDINANCE NO 2**  
**ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT**

**FINAL DRAFT**  
**ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT**  
**WATER CHARGE STUDY**

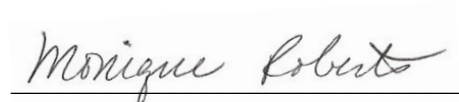
Prepared By:

**AECOM**

5001 E. Commercenter Drive, Suite 100  
Bakersfield, California 93309

Project No. 60707888

September 2023



Monique Roberts, P.E.



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**Appendix B** – Parcel List and Water Demand Analysis

# ROSEDALE RIO-BRAVO WATER STORAGE DISTRICT WATER CHARGE STUDY

## Background and Introduction

The Rosedale-Rio Bravo Water Storage District (“District” or “Rosedale”) is considering implementation of a Water Charge for water usage over and above the amount the District’s Conjunctive Use Project (“Project”)<sup>1</sup> generates on a per acre basis. The Project currently provides all lands within the District with a pro-rata share of groundwater benefit based on acreage. However, certain landowners utilize more than the supplies historically available from the District.

In order to prevent groundwater overdraft and maintain sustainable groundwater supplies for its landowners, the District must adopt measures to augment water supplies and/or manage demands. The Water Charge is intended to provide funding for the projects, operations, and management actions associated with water supply augmentation and/or demand management in proportion to the volume of water used. The purpose of this report is to provide the basis for determining the maximum level of a proposed Water Charge for adoption by the District.

## The District

Rosedale is a California Water Storage District located generally west of the City of Bakersfield and north of the Kern River. The District encompasses about 44,000 total acres (of which approximately 39,000 are assessed by the District). Property within Rosedale includes approximately 29,600 acres developed to irrigated agricultural uses, about 8,000 acres developed to industrial and residential uses primarily along the eastern edge of Rosedale, and about 1,400 acres which remain undeveloped. Of the acreage developed to irrigated agriculture, about one-half is currently planted to permanent crops - predominately almonds.

To address declining groundwater levels, the District was organized and formed in 1959 to implement a plan for recharging the underlying groundwater with “... surplus waters to be obtained from the Friant-Kern Canal of the Central Valley Project or from any other sources that may be available, including the Kern River, Feather River Project, etc.”<sup>2</sup>. At the outset of the District’s operations, the District constructed water conveyance facilities and recharge (or spreading) basins, the initial construction of which was completed in 1962. Improvements, facilities, and properties have been subsequently added in furtherance of the District’s goal of enhancing the groundwater aquifer underlying lands within the District for the benefit of all landowners within the District. For example, the District has participated in the construction and expansion of the 21-mile long Cross Valley Canal, which provides a means of conveying water from the California Aqueduct to the District. In recent years, the District has acquired interests in property to provide additional recharge capacity and generate additional water supplies for District landowners. These acquisitions include recharge lands

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<sup>1</sup> For the purposes of this study, Rosedale’s “Project” is all those rights and obligations of the District which have been obtained or incurred to further the District’s efforts to acquire and recharge water supplies within the groundwater basin underlying lands within the District for the benefit of District landowners.

<sup>2</sup> *Report on Proposed Project for Rosedale-Rio Bravo Water Storage District*, Boyle Engineering, February 1960

both inside and outside of the District's boundaries, and the acquisition of approximately 3,300 acres on the South Fork of the Kern River (commonly referred to as the "Onyx Ranch" property). The District's project currently includes approximately 1,260 acres of recharge ponds and 12 miles of conveyance facilities within the District.

Recognizing the increasing cost of water and the potential impacts to water supply reliability from both environmental and legal restrictions in the Sacramento-San Joaquin Delta, the District has developed and entered into a number of water management agreements with other water districts, both within and outside of Kern County. These agreements are designed to either increase water supplies available to District landowners or to generate revenues to off-set the increasing cost of water supplies. Rosedale has been able to capitalize on its strategic location and favorable aquifer characteristics by developing water banking programs under which other water districts deliver water into Rosedale in "wet" years and "bank" the water in Rosedale for a future return. The benefit of these programs is generally that more water is delivered to Rosedale than it is obligated to return (usually on a 2 for1 basis). This allows Rosedale to augment its water supplies and mitigate fluctuations or reductions in its supplies, which in turn can improve groundwater levels within the District to the benefit of all landowners within the District.

In 2014, California enacted legislation known as the Sustainable Groundwater Management Act (SGMA), which provides a framework for sustainable management of groundwater supplies by local authorities like Rosedale. The act requires the formation of local groundwater sustainability agencies (GSAs) that must assess conditions in their local water basins and adopt locally-based management plans. The act requires GSAs to implement plans and achieve long-term groundwater sustainability within approximately 20 years.

Rosedale has formed a GSA covering lands within its management area which includes its boundaries as well as a small number of adjoining lands that are located outside of a local water management authority. Rosedale has also developed and adopted a Groundwater Sustainability Plan (GSP) covering the lands within its management area. Rosedale's GSP includes various projects and management actions with the goal of augmenting water supplies and reducing water demand within the District. The water charge discussed in this study is one of the management actions described in Rosedale's GSP.

### **District Assessment**

The District has levied an annual assessment on a per-acre basis for more than 50 years to fund the operation of the District's Project for the benefit of its landowners. The lands which are subject to the Assessment include all lands within Rosedale-Rio Bravo Water Storage District, except those that are exempt from the District's assessments that do not receive the benefits of the District's Project (e.g., government lands, roads, etc.). The Assessment is set annually by the Board of Directors after consideration of the District's proposed budget and anticipated expenses and revenues. The assessment for 2023 (collected 2023-2024) is \$150 per-acre. To date, the Assessment has been collected by the County of Kern with the property tax bill and it is likely that this practice will continue.

A per-acre assessment has historically worked well for the District because all landowners have access to the benefits provided by the District's Project. Since the advent of SGMA, however, there is a need to implement a volumetric charge in order to equitably distribute the financial burden of "sustainability" (i.e., balance) to those landowners who require more water than the District's Project provides, in proportion to their respective overages.

### **Need for the Water Charge**

As described more fully below, the proposed Water Charge is based on the volume of water used over and above the amount that the District's Project historically generates on a per-parcel basis within the District boundaries. The Water Charge is a new charge which is driven by SGMA requirements to manage the underlying groundwater reservoir in a sustainable manner. The District's sustainable groundwater management has been hindered in the short term by hydrology (i.e., recent droughts), and in the long term by regulatory constraints on pumping from the Sacramento-San Joaquin River Delta which have resulted in a decline in available District supplies from the State Water Project. The Water Charge is necessary to fund projects and the acquisition of land and water in order to generally balance the water supply and demand in the District and to meet the requirements of SGMA.

### **Authority for Proposed Water Charge**

The District has the authority under the Water Storage District Act to "fix tolls and charges for the use of water, including the use of groundwater, or for any other service of any type or nature whether or not related to water use, rendered by the district, and collect the same from all persons receiving the benefit of the water or other services." (Water Code § 43006). The District may also (as a GSA) impose "fees on the extraction of groundwater from the basin to fund costs of groundwater management, including...activities necessary or convenient to implement the [GSP]." (Water Code § 10730.2). Such fees may include "fees charged on a volumetric basis, including, but not limited to, fees that increase based on the quantity of groundwater produced annually, the year in which the production of groundwater commenced from a groundwater extraction facility, and impacts to the basin." (Water Code § 10730.2).

### **Application of Proposed Water Charge**

Generally speaking, the Water Charge may not exceed the reasonable cost of providing the service and must be allocated in a fair and reasonable manner among all the parcels served. Therefore, the Water Charge is proposed to be established in proportion to the water supply benefit received by the various parcels within the District and implemented on a per acre-foot basis to those parcels using supplies in excess of a baseline quantity. For the establishment of an initial Water Charge, the baseline quantity is proposed to be set as the current estimate of historically available water supplies. While the use of historically available water supplies as the baseline quantity is deemed appropriate based on current data, this assumption should be reevaluated in the future as conditions change.

The historically available water supplies are currently estimated by the District to be approximately 2.12 acre-feet per acre as follows:

- Native Yield – 0.15 acre-feet per acre<sup>3</sup>
- Precipitation – 0.42 acre-feet per acre<sup>4</sup>
- Project Water – 1.55 acre-feet per acre<sup>5</sup>

On average, urban development uses less on a per acre basis than the District’s historically available water supplies and will not be subject to the proposed Water Charge. In addition, most of the land within the District that is developed to urban uses receives water service from an urban water purveyor that charges tiered rates (thereby encouraging conservation). Since lands within the incorporated City of Bakersfield are almost exclusively residential and are subject to SGMA management through the Kern River Groundwater Sustainability Agency (GSA), these parcels are also excluded from the proposed Water Charge.

For the purposes of the Water Charge assessment, agricultural parcels are defined as having an agricultural Use Code assigned by the Kern County Assessor, agricultural zoning per Kern County, or visual identification of irrigated agricultural use on the parcel. Based on data from the District’s Water Accounting Platform<sup>6</sup> for 2022, agricultural parcels less than 9.5 acres in size were generally found to use less than the District’s historically available water supplies. The vast majority of water demand in excess of historically available water supplies was generated by parcels 9.5 acres and larger in size.

However, there are groups of adjacent Assessor Parcels smaller than 9.5 acres that form a larger farmed area with a single landowner. One example is west of Enos Lane and South of Brimhall where three adjacent approximately 5-acre parcels are farmed with almonds. The majority of these adjacent parcels are 5 acres or larger and developed in almonds (typically using more than the District’s historically available water supplies). The water demand for these adjacent parcel groups is equivalent to a larger parcel size on a cumulative basis. It is proposed that these and any other similarly sized/farmed parcels will be subject to the Water Charge because they are effectively being used as a single parcel and are using more water than the District’s Project provides.

Of the approximately 540 agricultural parcels less than 9.5 acres (exclusive of the adjacent parcel groups described above), only 67 parcels were estimated to have water usage in excess of District’s historically available supplies with a total estimated water demand of 90 acre-feet in excess of available supplies. The minimal financial benefit to charging these approximately 540 parcels is offset by the increased expense of monitoring and managing the additional accounts.

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<sup>3</sup> Native yield refers to the natural, unallocated portion of the groundwater recharge to the Kern Subbasin. Current estimated value of 0.15 acre-feet per acre from the July 2022 Kern Groundwater Authority Amended Groundwater Sustainability Plan. Continued analysis and refinement of the native yield is identified as a management action for the Groundwater Sustainability Agencies in the subbasin.

<sup>4</sup> Precipitation is included as a water supply since irrigation demand of precipitation is a component of the water demand (evapotranspiration or ET) estimates. For the purposes of this analysis, precipitation is based on the historic average of 5.04 inches/year. However, it is recommended that actual precipitation be used when implementing the Water Charge.

<sup>5</sup> Net water supplies as a result of the District’s Project. Based on the average net water supply available for the period 2002-2021 from the District’s 2021 Operations Report with Miscellaneous Water supplies from the City adjusted to reflect the Settlement Agreement and Mutual Release dated July 1, 2022 (61,268 acre feet) divided by the total assessed acres (39,468 per the District’s GSP).

<sup>6</sup> Waterbudget.rrbwsd.com

Therefore, the Water Charge is proposed to apply to agricultural parcels 9.5 acres or greater in size and those parcels less than 9.5 acres but larger than 4.7 acres (nominal 5-acre parcels) when located adjacent to other parcels owned/controlled by the same landowner and/or collectively developed in irrigated agricultural use.

### **Methodology and Approach**

The District has implemented projects and management actions as outlined in the Groundwater Sustainability Plan for the Rosedale-Rio Bravo Management Area with the goal of augmenting its water supplies and reducing demand in order to provide sustainable groundwater conditions for its landowners. The projected expenses and revenues associated with the implementation of these projects and management actions, along with the projected expenses and revenues for the continuing operations of the District's Project, are included in the District's 10-year Cash Flow Projections (see **Appendix A**). The District has included expenses to cover anticipated actions such as purchases of land for fallowing or acquisition of additional water supplies to meet landowner demands.

The majority of the currently available revenues in the 10-year Cash Flow Projection are annual property assessments and income from groundwater banking programs. These current revenue sources are considered to reasonably cover the District's historically available water supplies (baseline quantity). Therefore, the difference between the projected costs and projected available revenues is considered to provide funding for the implementation of water augmentation projects and management actions and is proposed to be used as the basis for calculation of the maximum Water Charge.

The District's projected expenses for the years 2024 through 2029 from the 10-year Cash Flow Projections are summarized in **Table 1** with the projected available revenues for the same time period summarized in **Table 2**. The difference between the projected expenses and revenues for the six-year analysis period is an average of about \$4.9 million per year or about 21 percent of the District's projected average annual expenses.



**TABLE 1  
SUMMARY OF PROJECTED DISTRICT EXPENSES<sup>1</sup>**

	2024 Budget	2025 Estimated	2026 Estimated	2027 Estimated	2028 Estimated	2029 Estimated	Average
<b>Operations Expenses</b>							
Salaries and Wages	\$1,642,040	\$1,723,280	\$1,808,559	\$1,898,081	\$1,992,056	\$2,090,707	\$1,859,121
Benefits	\$420,000	\$440,400	\$461,958	\$484,747	\$508,845	\$534,334	\$475,047
Water Purchases and Fees	\$4,925,000	\$5,324,992	\$5,626,245	\$5,765,032	\$5,907,983	\$6,555,223	\$5,684,079
Pumping Costs	\$500,000	\$920,000	\$966,000	\$1,014,300	\$1,065,015	\$1,118,266	\$930,597
Operations	\$1,876,000	\$1,845,300	\$2,015,085	\$2,118,116	\$2,198,439	\$2,243,098	\$2,049,340
Utilities	\$30,000	\$31,500	\$33,075	\$34,729	\$36,465	\$38,288	\$34,010
Maintenance	\$190,000	\$251,390	\$263,325	\$275,832	\$288,937	\$302,670	\$262,026
Administration	\$463,875	\$480,880	\$498,571	\$516,979	\$536,135	\$556,072	\$508,752
Professional Services	\$906,000	\$834,210	\$863,407	\$893,627	\$924,904	\$957,275	\$896,571
Debt Service	\$3,938,054	\$3,941,297	\$3,939,503	\$3,947,049	\$3,943,403	\$3,943,221	\$3,942,088
<b>SUBTOTAL</b>	<b>\$14,890,969</b>	<b>\$15,793,249</b>	<b>\$16,475,728</b>	<b>\$16,948,492</b>	<b>\$17,402,182</b>	<b>\$18,339,154</b>	<b>\$16,641,629</b>
<b>Non-Operating Expenses</b>							
Third Party Project Capital							
Expenditures	\$128,535	\$128,535	\$2,500,000	\$0	\$0	\$0	\$459,512
Capital Expenditures	\$4,318,000	\$7,666,540	\$12,787,830	\$3,117,305	\$3,180,824	\$3,246,249	\$5,719,458
<b>SUBTOTAL</b>	<b>\$4,446,535</b>	<b>\$7,795,075</b>	<b>\$15,287,830</b>	<b>\$3,117,305</b>	<b>\$3,180,824</b>	<b>\$3,246,249</b>	<b>\$6,178,970</b>
<b>TOTAL PROJECTED EXPENSES</b>	<b>\$19,337,504</b>	<b>\$23,588,324</b>	<b>\$31,763,558</b>	<b>\$20,065,797</b>	<b>\$20,583,006</b>	<b>\$21,585,403</b>	<b>\$22,820,599</b>

**Notes:**

1) Projected Expenses are per RRBWSD 10 Year Cash Flow Projections (see Appendix A).

**TABLE 2  
SUMMARY OF PROJECTED DISTRICT REVENUES<sup>1</sup>**

	2024 Budget	2025 Estimated	2026 Estimated	2027 Estimated	2028 Estimated	2029 Estimated	Average
<b>Operating Revenues</b>							
Assessments	\$5,827,040	\$5,828,300	\$5,829,648	\$5,831,090	\$5,832,634	\$6,802,459	\$5,991,862
Other Income	\$220,000	\$235,400	\$251,878	\$269,509	\$288,375	\$308,561	\$262,287
Groundwater Banking Income	\$5,600,000	\$5,768,000	\$5,941,040	\$6,119,271	\$6,302,849	\$6,491,935	\$6,037,183
Reimbursements	\$495,000	\$473,950	\$504,861	\$537,867	\$573,113	\$610,755	\$532,591
Interest Income	\$300,000	\$321,000	\$343,470	\$367,513	\$393,239	\$420,766	\$357,665
<b>SUBTOTAL</b>	<b>\$12,442,040</b>	<b>\$12,626,650</b>	<b>\$12,870,897</b>	<b>\$13,125,250</b>	<b>\$13,390,210</b>	<b>\$14,634,476</b>	<b>\$13,181,587</b>
<b>Non-Operating Revenues</b>							
Non-Recurring Water Sales	\$1,000,000	\$3,250,000	\$3,250,000	\$3,250,000	\$3,250,000	\$3,250,000	\$2,875,000
Other Income	\$5,000	\$5,350	\$5,725	\$6,125	\$6,554	\$7,013	\$5,961
Grant Income	\$500,000	\$750,000	\$0	\$0	\$0	\$0	\$208,333
Asset Sale Income	\$10,000,000	\$0	\$0	\$0	\$0	\$0	\$1,666,667
<b>SUBTOTAL</b>	<b>\$11,505,000</b>	<b>\$4,005,350</b>	<b>\$3,255,725</b>	<b>\$3,256,125</b>	<b>\$3,256,554</b>	<b>\$3,257,013</b>	<b>\$4,755,961</b>
<b>TOTAL PROJECTED REVENUES</b>	<b>\$23,947,040</b>	<b>\$16,632,000</b>	<b>\$16,126,622</b>	<b>\$16,381,375</b>	<b>\$16,646,764</b>	<b>\$17,891,489</b>	<b>\$17,937,548</b>

**Notes:**

1) Projected Revenues are per RRBWSD 10 Year Cash Flow Projections (see Appendix A).

**TOTAL PROJECTED REVENUES LESS**

**TOTAL PROJECTED EXPENSES:   \$4,609,536   (\$6,956,324)   (\$15,636,936)   (\$3,684,422)   (\$3,936,242)   (\$3,693,914)   (\$4,883,050)**

## **Water Demand Subject to Water Charge**

Water demand subject to the Water Charge is proposed to be the applicable consumptive use of water, or evapotranspiration (ET), determined through the District's Water Accounting Platform. Currently, the District utilizes a satellite-based ET model called OpenET and Kern County assessor parcel data to develop the water demands on a per parcel basis. The water demand determined through OpenET includes ET from both applied water and precipitation.

The District is transitioning to use of another satellite based ET model, LandIQ ET, which due to its improved accuracy is proposed to provide ET monitoring services to all irrigated agricultural areas within the Kern Subbasin. Based on comparisons between OpenET and LandIQ ET datasets, an average reduction of 10 percent from ET results developed by OpenET is expected.

In the District's Water Accounting Platform, agricultural parcels larger than the minimum size that are owned by the same landowner will be combined into a single account. Each landowner account subject to the Water Charge is proposed to be assessed based on the volume of water demand that exceeds the available supply, which for the purposes of this study is the same as the baseline quantity of 2.12 acre-feet per acre. For example, if an individual landowner account includes agricultural parcels totaling 200 acres with a water demand determined to be 2.62 acre-feet per acre, the water charge would be applied to a volume of 100 acre-feet (200 acres x [2.62-2.12] acre-feet per acre). The landowner account demand subject to the Water Charge would be adjusted to reflect any transfers or exchanges approved by the District. The District Board anticipates implementing policies to allow for an in-District "water market" under which agricultural landowners who choose to fallow land (or otherwise use less than the District's Project provides) may transfer or assign the Project water to other landowners on an annual basis.

Data in the District's Water Accounting Platform for calendar year 2022 was used to develop an estimate of the average annual water volume that may be subject to the Water Charge for the purposes of this Study. Water demands for 2022 are consistent with the average of the five years for which the District has compiled data on its Water Accounting Platform and the landowner account information for 2022 better reflects current conditions.

The following assumptions were made to adjust the results from the District's Water Accounting Platform for Calendar Year 2022 for parcels proposed to be subject to the Water Charge:

- District water supplies are per the historical average of 2.12 acre-feet per acre.
- Water demands estimated by OpenET are reduced by 10 percent to reflect the expected reduction in ET results when estimated by LandIQ ET.
- Water demands are further reduced by 5 percent (a total of approximately 4,500 AF per year) in response to the implementation of a Water Charge as estimated per the District's Groundwater Sustainability Plan.
- It is assumed that approximately 85 percent of water supplies from landowner accounts with excess supplies would be transferred to landowner accounts with deficits (through an in District water market process).

The calculations above result in an estimated volume of about 19,200 acre-feet per year projected to be subject to the Water Charge as shown in **Appendix B**.

### Proposed Water Charge Rate

The maximum Rosedale Water Charge rate is proposed to be calculated as the projected expenses applicable to the Water Charge divided by the projected annual demand subject to the Water Charge as shown in **Table 3**. Rounding the amount up to the nearest whole dollar results in a recommended maximum Water Charge rate of \$256.00 per acre-foot.

**TABLE 3**  
**MAXIMUM RRBWSD WATER CHARGE CALCULATIONS**

Projected Expenses Applicable to Water Charge =	\$4.9 Million
Projected Demand Subject to Water Charge =	19,200 acre-feet
Projected Expenses/Projected Demand =	\$255.21 per acre-foot
<b>Recommended Maximum Water Charge Rate =</b>	<b>\$256.00 per acre-foot</b>

It is important to note that the above recommended rate is a *maximum* rate; the District’s Board of Directors will annually set the rate at a level equal to or less than the maximum after consideration of various financial factors, including the District projected revenues and expenses as well as land, water, and project construction costs.

### Recommendations

The maximum Water Charge Rate is recommended to be initially set at \$256.00 per acre-foot based on the analysis described in this study. It is further recommended that the District Board review the Water Charge rate periodically so that the Water Charge rate may be adjusted as necessary to reflect the applicable conditions at that time. It is also recommended that the available water supply be adjusted annually to account for actual precipitation and the District’s Project Water supplies for the previous year.

### Proposition 218 Process

If approved, the Water Charge will be levied as a “property related fee” under Article 13D, Section 6 of the California Constitution (commonly referred to as “Prop 218”).

The District will conduct a protest hearing regarding the Water Charge under Prop 218. The procedural requirements for the Water Charge are set forth in section 6, subsections (a)(1) and (a)(2), of Prop 218. Those procedures are as follows:

- Identification of the parcels upon which a fee or charge is proposed to be imposed (Cal. Const., art. 13D, § 6(a)(1).)

The Water Charge will apply to agricultural parcels 9.5 acres or greater in size and those parcels less than 9.5 acres but larger than 4.7 acres (nominal 5-acre parcels) when located adjacent to other parcels owned/controlled by the same landowner and/or collectively developed in irrigated

agricultural use. As is discussed more fully above, parcels in urban use and most agricultural parcels less than 9.5 acres in size were found to generally use less water than the District's historically available water supplies and will not be subject to the Water Charge. The vast majority of water demand in excess of available water supplies is generated by agricultural parcels 9.5 acres and larger in size. However, there are groupings of agricultural parcels less than 9.5 acres but greater than 4.7 acres (nominal 5-acre parcels) which are located adjacent to other parcels that are owned/controlled by the same landowner and which generally use more than the District's historically available water supplies. It is reasonable for these parcels to be subject to the Water Charge due to their cumulative water demands and collective development to the same purpose.

The parcel list attached to this Study, which includes all of the parcels that will initially be subjected to the Water Charge, was developed based on the County's last equalized secured property tax assessment roll. (Government Code § 53750(j)).

- Calculation of the charge to be imposed (Cal. Const., art. 13D, § 6(a)(1).)

The charge to be imposed will be based on a volumetric basis. As discussed above, each landowner account subject to the Water Charge is proposed to be charged based on the volume of water demand annually that exceeds the available supply multiplied by the amount of the Water Charge as determined by the District's Board of Directors. The proposed maximum rate was calculated by distributing the amount required to fund projects and the acquisition of land and water in order to generally balance the water supply and demand in the District to those landowners who generally use more water than the District's Project provides.

- Notice to All Landowners (Cal. Const., art. 13D, § 6(a)(1).)

If approved by the District's Board, written notice of the proposed Water Charge will be provided to the record owner of each parcel which is proposed to be subjected to the Water Charge. Since the Landowners' actual consumptive use to be subjected to the water charge is not known until after the fact, the initial notice will include an example of the proposed water charge that is based upon the Landowner's consumptive use in 2022 in comparison to the current estimate of historically available water supplies; the maximum rate will be used to determine the amount set forth in the notice. Since the amounts will vary by landowner, the portion of the notice that includes the example calculation will not be uniform across all landowners. The notice will also set forth the basis upon which the amount of the proposed charge was calculated and the reason for the charge, together with the date, time, and location of a public hearing on the proposed Water Charge.

- Protest Hearing / Final Adoption -

At least 45 days after mailing the notice described above, the District's Board of Directors will conduct a public hearing at which time any landowner or member of the public may provide comments on the Water Charge to the Board of Directors. Landowners will also be provided with a form that they may use to register a protest to the proposed Water Charge at or prior to the close of the public hearing. After the hearing is closed, the Board will tabulate all protests received to determine whether a majority protest exists. If written protests are received by a majority of owners of the identified parcels, the proposed Water Charge will not be adopted or implemented. If no majority protest is

received, the Board will consider the comments received and other evidence that may be provided (including this report) and will determine whether or not to adopt the proposed Water Charge.

# Appendix A

## RRBWS D 10-YEAR CASH FLOW PROJECTIONS

**10 YEAR CASH FLOW PROJECTIONS**

Account No.	Description	Budget O&A PROJECTED 2023	Budget O&A 2024	Budget O&A 2025	Budget O&A 2026	Budget O&A 2027	Budget O&A 2028	Budget O&A 2029	Budget O&A 2030	Budget O&A 2031	Budget O&A 2032	Budget O&A 2033	Budget O&A 2034	Budget Assumptions
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**OPERATING REVENUES**

<b>Assessments</b>														
40000	Assesment Income	\$ 5,809,040	\$ 5,809,040	\$ 5,809,040	\$ 5,809,040	\$ 5,809,040	\$ 5,809,040	\$ 6,777,213	\$ 6,777,213	\$ 8,614,031	\$ 8,614,031	\$ 8,614,031	\$ 8,614,031	7.00%
40500	Water Charge	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	7.00%
40010	Prior Year Assesment Income	\$ 18,000	\$ 18,000	\$ 19,260	\$ 20,608	\$ 22,051	\$ 23,594	\$ 25,246	\$ 27,013	\$ 28,904	\$ 30,927	\$ 33,092	\$ 35,409	7.00%
	<b>Total Assessments</b>	<b>\$ 5,827,040</b>	<b>\$ 5,827,040</b>	<b>\$ 5,828,300</b>	<b>\$ 5,829,648</b>	<b>\$ 5,831,090</b>	<b>\$ 5,832,634</b>	<b>\$ 6,802,459</b>	<b>\$ 6,804,226</b>	<b>\$ 8,642,935</b>	<b>\$ 8,644,958</b>	<b>\$ 8,647,123</b>	<b>\$ 8,649,440</b>	

<b>Other Income</b>														
40509	Lease Income	\$ 70,000	\$ 70,000	\$ 74,900	\$ 80,143	\$ 85,753	\$ 91,756	\$ 98,179	\$ 105,051	\$ 112,405	\$ 120,273	\$ 128,692	\$ 137,701	7.00%
41001	Refunds and Credits (Other)	\$ 150,000	\$ 150,000	\$ 160,500	\$ 171,735	\$ 183,756	\$ 196,619	\$ 210,383	\$ 225,110	\$ 240,867	\$ 257,728	\$ 275,769	\$ 295,073	7.00%
	<b>Total Refunds &amp; Credits</b>	<b>\$ 220,000</b>	<b>\$ 220,000</b>	<b>\$ 235,400</b>	<b>\$ 251,878</b>	<b>\$ 269,509</b>	<b>\$ 288,375</b>	<b>\$ 308,561</b>	<b>\$ 330,161</b>	<b>\$ 353,272</b>	<b>\$ 378,001</b>	<b>\$ 404,461</b>	<b>\$ 432,773</b>	

<b>User Charges</b>														
40501	Water Sales	\$ 5,825,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	3.00%
40508	Groundwater Banking Income	\$ 5,481,949	\$ 5,600,000	\$ 5,768,000	\$ 5,941,040	\$ 6,119,271	\$ 6,302,849	\$ 6,491,935	\$ 6,686,693	\$ 6,887,294	\$ 7,093,912	\$ 7,306,730	\$ 7,525,932	3.00%
	<b>Total User Charges</b>	<b>\$ 11,306,949</b>	<b>\$ 5,600,000</b>	<b>\$ 5,768,000</b>	<b>\$ 5,941,040</b>	<b>\$ 6,119,271</b>	<b>\$ 6,302,849</b>	<b>\$ 6,491,935</b>	<b>\$ 6,686,693</b>	<b>\$ 6,887,294</b>	<b>\$ 7,093,912</b>	<b>\$ 7,306,730</b>	<b>\$ 7,525,932</b>	

<b>Reimbursements</b>														
40507	O&M Reimbursement Income	\$ 175,000	\$ 180,000	\$ 192,600	\$ 206,082	\$ 220,508	\$ 235,943	\$ 252,459	\$ 270,131	\$ 289,041	\$ 309,274	\$ 330,923	\$ 354,087	7.00%
40503	Conveyance Income	\$ 55,000	\$ 55,000	\$ 56,650	\$ 58,350	\$ 60,100	\$ 61,903	\$ 63,760	\$ 65,673	\$ 67,643	\$ 69,672	\$ 71,763	\$ 73,915	3.00%
40506	Groundwater Mitigation Income	\$ 100,000	\$ 105,000	\$ 112,350	\$ 120,215	\$ 128,630	\$ 137,634	\$ 147,268	\$ 157,577	\$ 168,607	\$ 180,410	\$ 193,038	\$ 206,551	7.00%
41050	Resource Management Income	\$ 100,000	\$ 105,000	\$ 112,350	\$ 120,215	\$ 128,630	\$ 137,634	\$ 147,268	\$ 157,577	\$ 168,607	\$ 180,410	\$ 193,038	\$ 206,551	7.00%
40510	Groundwater Recovery Reimbursement	\$ 50,000	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	7.00%
	<b>Total Reimbursements</b>	<b>\$ 475,000</b>	<b>\$ 495,000</b>	<b>\$ 473,950</b>	<b>\$ 504,861</b>	<b>\$ 537,867</b>	<b>\$ 573,113</b>	<b>\$ 610,755</b>	<b>\$ 650,958</b>	<b>\$ 693,898</b>	<b>\$ 739,765</b>	<b>\$ 788,762</b>	<b>\$ 841,104</b>	

<b>Interest Income</b>														
40600	Interest Income	\$ 300,000	\$ 300,000	\$ 321,000	\$ 343,470	\$ 367,513	\$ 393,239	\$ 420,766	\$ 450,219	\$ 481,734	\$ 515,456	\$ 551,538	\$ 590,145	7.00%
	<b>Total Interest Income</b>	<b>\$ 300,000</b>	<b>\$ 300,000</b>	<b>\$ 321,000</b>	<b>\$ 343,470</b>	<b>\$ 367,513</b>	<b>\$ 393,239</b>	<b>\$ 420,766</b>	<b>\$ 450,219</b>	<b>\$ 481,734</b>	<b>\$ 515,456</b>	<b>\$ 551,538</b>	<b>\$ 590,145</b>	

	<b>TOTAL OPERATING REVENUE FROM CURRENT FISCAL YEAR</b>	<b>\$ 18,128,989</b>	<b>\$ 12,442,040</b>	<b>\$ 12,626,650</b>	<b>\$ 12,870,896</b>	<b>\$ 13,125,251</b>	<b>\$ 13,390,211</b>	<b>\$ 14,634,476</b>	<b>\$ 14,922,256</b>	<b>\$ 17,059,133</b>	<b>\$ 17,372,093</b>	<b>\$ 17,698,614</b>	<b>\$ 18,039,395</b>	
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**EXPENDITURES**

<b>Salaries and Wages</b>														
60000	Wages and Salaries Expense	\$ 1,484,000	\$ 1,573,040	\$ 1,651,692	\$ 1,734,277	\$ 1,820,990	\$ 1,912,040	\$ 2,007,642	\$ 2,108,024	\$ 2,213,425	\$ 2,324,097	\$ 2,440,301	\$ 2,562,316	5.00%
60007	Workers Compensation Insurance	\$ 33,000	\$ 34,500	\$ 36,225	\$ 38,036	\$ 39,938	\$ 41,935	\$ 44,032	\$ 46,233	\$ 48,545	\$ 50,972	\$ 53,521	\$ 56,197	5.00%
60001	Payroll Expense	\$ 33,000	\$ 34,500	\$ 35,363	\$ 36,247	\$ 37,153	\$ 38,082	\$ 39,034	\$ 40,009	\$ 41,010	\$ 42,035	\$ 43,086	\$ 44,163	2.50%
	<b>Total Salaries and Wages</b>	<b>\$ 1,550,000</b>	<b>\$ 1,642,040</b>	<b>\$ 1,723,280</b>	<b>\$ 1,808,559</b>	<b>\$ 1,898,081</b>	<b>\$ 1,992,056</b>	<b>\$ 2,090,707</b>	<b>\$ 2,194,267</b>	<b>\$ 2,302,980</b>	<b>\$ 2,417,104</b>	<b>\$ 2,536,908</b>	<b>\$ 2,662,676</b>	

<b>Benefits</b>														
60006	Benefits - CalPers Retirement	\$ 210,000	\$ 225,000	\$ 231,750	\$ 238,703	\$ 245,864	\$ 253,239	\$ 260,837	\$ 268,662	\$ 276,722	\$ 285,023	\$ 293,574	\$ 302,381	3.00%
60005	Benefits Health, Dental, Life, Vision	\$ 180,000	\$ 195,000	\$ 208,650	\$ 223,256	\$ 238,883	\$ 255,605	\$ 273,498	\$ 292,642	\$ 313,127	\$ 335,046	\$ 358,500	\$ 383,595	7.00%
60016	CalPers Overpay Expense (Offset)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	7.00%
	<b>Total Benefits</b>	<b>\$ 390,000</b>	<b>\$ 420,000</b>	<b>\$ 440,400</b>	<b>\$ 461,959</b>	<b>\$ 484,747</b>	<b>\$ 508,845</b>	<b>\$ 534,334</b>	<b>\$ 561,304</b>	<b>\$ 589,849</b>	<b>\$ 620,070</b>	<b>\$ 652,074</b>	<b>\$ 685,976</b>	

<b>Water Purchases and Fees</b>														
61000	KCWA SWP Expense	\$ 3,477,791	\$ 3,500,000	\$ 3,605,000	\$ 3,713,150	\$ 3,824,545	\$ 3,939,281	\$ 4,057,459	\$ 4,179,183	\$ 4,304,559	\$ 4,433,695	\$ 4,566,706	\$ 4,703,707	3.00%
61401	DCP	\$ 757,720	\$ 775,000	\$ 833,492	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,500,000	\$ 1,500,000	\$ 1,750,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	
61001	City of Bakersfield - Kern River (Basic Contract)	\$ 4,975,000	\$ 100,000	\$ 585,000	\$ 602,550	\$ 620,627	\$ 639,245	\$ 658,423	\$ 678,175	\$ 698,521	\$ 719,476	\$ 741,060	\$ 763,292	3.00%
61050	Other Water Purchase Expense	\$ 750,000	\$ 500,000	\$ 250,000	\$ 257,500	\$ 265,225	\$ 273,182	\$ 281,377	\$ 289,819	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	3.00%
64000	Water Transaction Fees	\$ 50,000	\$ 50,000	\$ 51,500	\$ 53,045	\$ 54,636	\$ 56,275	\$ 57,964	\$ 59,703	\$ 61,494	\$ 63,339	\$ 65,239	\$ 67,196	3.00%
	<b>Total Water Purchase and Fees</b>	<b>\$ 10,010,511</b>	<b>\$ 4,925,000</b>	<b>\$ 5,324,992</b>	<b>\$ 5,626,245</b>	<b>\$ 5,765,032</b>	<b>\$ 5,907,983</b>	<b>\$ 6,555,223</b>	<b>\$ 6,706,880</b>	<b>\$ 7,814,573</b>	<b>\$ 8,216,510</b>	<b>\$ 8,373,005</b>	<b>\$ 8,534,195</b>	

<b>Operations - Pumping Costs</b>														
61300	Surface Water Pumping Expense	\$ 400,000	\$ 400,000	\$ 420,000	\$ 441,000	\$ 463,050	\$ 486,203	\$ 510,513	\$ 536,038	\$ 562,840	\$ 590,982	\$ 620,531	\$ 651,558	5.00%
61301	Groundwater Well Pumping Expense	\$ 100,000	\$ 100,000	\$ 500,000	\$ 525,000	\$ 551,250	\$ 578,813	\$ 607,753	\$ 638,141	\$ 670,048	\$ 703,550	\$ 738,728	\$ 775,664	5.00%
	<b>Total Operations - Pumping Costs</b>	<b>\$ 500,000</b>	<b>\$ 500,000</b>	<b>\$ 920,000</b>	<b>\$ 966,000</b>	<b>\$ 1,014,300</b>	<b>\$ 1,065,015</b>	<b>\$ 1,118,266</b>	<b>\$ 1,174,179</b>	<b>\$ 1,232,888</b>	<b>\$ 1,294,532</b>	<b>\$ 1,359,259</b>	<b>\$ 1,427,222</b>	

<b>Operations</b>														
61350	Groundwater Mitigation Expense	\$ 50,000	\$ 50,000	\$ 51,500	\$ 53,045	\$ 54,636	\$ 56,275	\$ 57,964	\$ 59,703	\$ 61,494	\$ 63,339	\$ 65,239	\$ 67,196	3.00%
61400	Third Party Project Operations	\$ 1,144,000	\$ 1,170,000	\$ 1,117,500	\$ 1,264,725	\$ 1,344,407	\$ 1,400,559	\$ 1,420,196	\$ 1,429,332	\$ 1,434,982	\$ 1,453,161	\$ 1,471,886	\$ 1,491,172	
61450	Regulatory Program Compliance	\$ 60,000	\$ 60,000	\$ 63,000	\$ 66,150	\$ 69,458	\$ 72,930	\$ 76,577	\$ 80,406	\$ 84,426	\$ 88,647	\$ 93,080	\$ 97,734	5.00%
61800	Fuel - Unleaded and Diesel	\$ 90,000	\$ 95,000	\$ 97,850	\$ 100,786	\$ 103,809	\$ 106,923	\$ 110,131	\$ 113,435	\$ 116,838	\$ 120,343	\$ 123,953	\$ 127,672	3.00%
61650	Operating Supplies	\$ 30,000	\$ 35,000	\$ 36,750	\$ 38,588	\$ 40,517	\$ 42,543	\$ 44,670	\$ 46,903	\$ 49,249	\$ 51,711	\$ 54,296	\$ 57,011	5.00%
65500	Weed Control/Chemicals	\$ 100,000	\$ 105,000	\$ 108,150	\$ 111,395	\$ 114,736	\$ 118,178	\$ 121,724	\$ 125,375	\$ 129,137	\$ 133,011	\$ 137,001	\$ 141,111	3.00%
61660	Property Lease Expense	\$ 61,200	\$ 61,000	\$ 64,050	\$ 67,253	\$ 70,615	\$ 74,146	\$ 77,853	\$ 81,746	\$ 85,833	\$ 90,125	\$ 94,631	\$ 99,363	5.00%
61655	Water Quality Testing	\$ 50,000	\$ 50,000	\$ 51,000	\$ 52,000	\$ 53,060	\$ 54,122	\$ 55,204	\$ 56,308	\$ 57,434	\$ 58,583	\$ 59,755	\$ 60,950	2.00%
61500	Equipment Rental Expense	\$ 50,000	\$ 50,000	\$ 51,500	\$ 53,045	\$ 54,636	\$ 56,275	\$ 57,964	\$ 59,703	\$ 61,494	\$ 63,339	\$ 65,239	\$ 67,196	3.00%
68000	Property Taxes	\$ 200,000	\$ 200,000	\$ 204,000	\$ 208,080	\$ 212,242	\$ 216,486	\$ 220,816	\$ 225,232	\$ 229,737	\$ 234,332	\$ 239,019	\$ 243,799	2.00%
	<b>Total Operations</b>	<b>\$ 1,835,200</b>	<b>\$ 1,876,000</b>	<b>\$ 1,845,300</b>	<b>\$ 2,015,085</b>	<b>\$ 2,118,116</b>	<b>\$ 2,198,439</b>	<b>\$ 2,243,098</b>	<b>\$ 2,278,143</b>	<b>\$ 2,310,623</b>	<b>\$ 2,356,590</b>	<b>\$ 2,404,098</b>	<b>\$ 2,453,203</b>	

<b>Utilities</b>														
66000	Utilities (Electric, Gas, Trash)	\$ 14,000	\$ 14,000	\$ 14,700	\$ 15,435	\$ 16,207	\$ 17,017	\$ 17,868	\$ 18,761	\$ 19,699	\$ 20,684	\$ 21,719	\$ 22,805	5.00%
66001	Phone, Internet, Cell Phone Expense	\$ 16,000	\$ 16,000	\$ 16,800	\$ 17,640	\$ 18,522	\$ 19,448	\$ 20,421	\$ 21,442	\$ 22,514	\$ 23,639	\$ 24,821	\$ 26,062	5.00%
	<b>Total Utilities</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 31,500</b>	<b>\$ 33,075</b>	<b>\$ 34,729</b>	<b>\$ 36,465</b>	<b>\$ 38,288</b>	<b>\$ 40,203</b>	<b>\$ 42,213</b>	<b>\$ 44,324</b>	<b>\$ 46,540</b>	<b>\$ 48,867</b>	

<b>Maintenance</b>														
65000	Auto and Truck Maintenance and Repair	\$ 25,000	\$ 27,000	\$ 28,350	\$ 29,768	\$ 31,256	\$ 32,819	\$ 34,460	\$ 36,183	\$ 37,992	\$ 39,891	\$ 41,886	\$ 43,980	5.00%
65001	Equipment Maintenance and Repair	\$ 50,000	\$ 52,000	\$ 54,600	\$ 57,330	\$ 60,197	\$ 63,206	\$ 66,367	\$ 69,685	\$ 73,169	\$ 76,828	\$ 80,669	\$ 84,703	5.00%
65100	Building Maintenance	\$ 15,000	\$ 17,000	\$ 17,680	\$ 18,387	\$ 19,123	\$ 19,888	\$ 20,683	\$ 21,510	\$				

<b>Administration</b>																										
60110	Assessment Expense (Reimburse)	\$	125,000	\$	125,000	\$	128,125	\$	131,328	\$	134,611	\$	137,977	\$	141,426	\$	144,962	\$	148,586	\$	152,300	\$	156,108	\$	160,011	2.50%
60200	Licenses, Permits and Fees	\$	10,000	\$	10,000	\$	10,250	\$	10,506	\$	10,769	\$	11,038	\$	11,314	\$	11,597	\$	11,887	\$	12,184	\$	12,489	\$	12,801	2.50%
62000	General Office Expense	\$	25,000	\$	27,000	\$	27,675	\$	28,367	\$	29,076	\$	29,803	\$	30,548	\$	31,312	\$	32,095	\$	32,897	\$	33,719	\$	34,562	2.50%
62001	Printing and Reproduction	\$	12,000	\$	13,000	\$	13,325	\$	13,658	\$	14,000	\$	14,350	\$	14,708	\$	15,076	\$	15,453	\$	15,839	\$	16,235	\$	16,641	2.50%
62003	Publications and Notices	\$	2,000	\$	2,000	\$	2,050	\$	2,101	\$	2,154	\$	2,208	\$	2,263	\$	2,319	\$	2,377	\$	2,437	\$	2,498	\$	2,560	2.50%
62005	Dues and Membership	\$	83,675	\$	83,675	\$	87,859	\$	92,252	\$	96,864	\$	101,707	\$	106,793	\$	112,133	\$	117,739	\$	123,626	\$	129,807	\$	136,298	5.00%
62007	Director's Fees	\$	35,000	\$	37,000	\$	38,850	\$	40,793	\$	42,832	\$	44,974	\$	47,222	\$	49,584	\$	52,063	\$	54,666	\$	57,399	\$	60,269	5.00%
62008	Educational Expenses	\$	5,000	\$	5,000	\$	5,250	\$	5,513	\$	5,788	\$	6,078	\$	6,381	\$	6,700	\$	7,036	\$	7,387	\$	7,757	\$	8,144	5.00%
62009	Postage and Delivery	\$	3,500	\$	4,000	\$	4,120	\$	4,244	\$	4,371	\$	4,502	\$	4,637	\$	4,776	\$	4,919	\$	5,067	\$	5,219	\$	5,376	3.00%
63010	GI/Property/Auto Insurance Prem	\$	70,000	\$	73,000	\$	76,650	\$	80,483	\$	84,507	\$	88,732	\$	93,169	\$	97,827	\$	102,718	\$	107,854	\$	113,247	\$	118,909	5.00%
63500	Janitorial Expense	\$	9,000	\$	9,500	\$	9,785	\$	10,079	\$	10,381	\$	10,692	\$	11,013	\$	11,343	\$	11,684	\$	12,034	\$	12,395	\$	12,767	3.00%
65002	Mileage Reimbursement Expense	\$	500	\$	500	\$	515	\$	530	\$	546	\$	563	\$	580	\$	597	\$	615	\$	633	\$	652	\$	672	3.00%
66011	Technology Fees and Subscriptions	\$	62,000	\$	65,000	\$	66,950	\$	68,959	\$	71,027	\$	73,158	\$	75,353	\$	77,613	\$	79,942	\$	82,340	\$	84,810	\$	87,355	3.00%
67000	Travel Expense	\$	5,000	\$	5,200	\$	5,356	\$	5,517	\$	5,682	\$	5,853	\$	6,028	\$	6,209	\$	6,395	\$	6,587	\$	6,785	\$	6,988	3.00%
60100	Bank Fees	\$	4,000	\$	4,000	\$	4,120	\$	4,244	\$	4,371	\$	4,502	\$	4,637	\$	4,776	\$	4,919	\$	5,067	\$	5,219	\$	5,376	3.00%
<b>Total Administration</b>		\$	<b>451,675</b>	\$	<b>463,875</b>	\$	<b>480,880</b>	\$	<b>498,571</b>	\$	<b>516,979</b>	\$	<b>536,135</b>	\$	<b>556,072</b>	\$	<b>576,825</b>	\$	<b>598,428</b>	\$	<b>620,920</b>	\$	<b>644,340</b>	\$	<b>668,729</b>	

<b>Professional Services</b>																										
63000	Legal Services	\$	500,000	\$	500,000	\$	414,000	\$	428,490	\$	443,487	\$	459,009	\$	475,075	\$	491,702	\$	508,912	\$	526,724	\$	545,159	\$	564,240	3.50%
63002	Audit and Accounting Services	\$	40,000	\$	42,000	\$	43,470	\$	44,991	\$	46,566	\$	48,196	\$	49,883	\$	51,629	\$	53,436	\$	55,306	\$	57,242	\$	59,245	3.50%
63004	Engineering Services	\$	50,000	\$	52,000	\$	53,820	\$	55,704	\$	57,653	\$	59,671	\$	61,760	\$	63,921	\$	66,159	\$	68,474	\$	70,871	\$	73,351	3.50%
63005	Environmental Consultants	\$	50,000	\$	52,000	\$	53,820	\$	55,704	\$	57,653	\$	59,671	\$	61,760	\$	63,921	\$	66,159	\$	68,474	\$	70,871	\$	73,351	3.50%
63006	Hydrogeology Consultants	\$	100,000	\$	105,000	\$	108,675	\$	112,479	\$	116,415	\$	120,490	\$	124,707	\$	129,072	\$	133,589	\$	138,265	\$	143,104	\$	148,113	3.50%
63007	Other Contracted Services	\$	150,000	\$	155,000	\$	160,425	\$	166,040	\$	171,851	\$	177,866	\$	184,091	\$	190,535	\$	197,203	\$	204,105	\$	211,249	\$	218,643	3.50%
<b>Total Professional Services</b>		\$	<b>890,000</b>	\$	<b>906,000</b>	\$	<b>834,210</b>	\$	<b>863,407</b>	\$	<b>893,627</b>	\$	<b>924,904</b>	\$	<b>957,275</b>	\$	<b>990,780</b>	\$	<b>1,025,457</b>	\$	<b>1,061,348</b>	\$	<b>1,098,495</b>	\$	<b>1,136,943</b>	

<b>Debt Service</b>																										
88100	COP Administration Expense	\$	5,500	\$	10,000	\$	10,700	\$	11,449	\$	12,250	\$	13,108	\$	14,026	\$	15,007	\$	16,058	\$	17,182	\$	18,385	\$	19,672	7.00%
88004	2020 COP Debt Service Expense	\$	3,930,597	\$	3,928,054	\$	3,930,597	\$	3,928,054	\$	3,934,799	\$	3,930,295	\$	3,929,195	\$	2,946,426	\$	2,958,326	\$	2,941,662	\$	2,950,964	\$	2,940,611	0.00%
<b>Total Debt Service</b>		\$	<b>3,936,097</b>	\$	<b>3,938,054</b>	\$	<b>3,941,297</b>	\$	<b>3,939,503</b>	\$	<b>3,947,049</b>	\$	<b>3,943,403</b>	\$	<b>3,943,221</b>	\$	<b>2,961,433</b>	\$	<b>2,974,384</b>	\$	<b>2,958,844</b>	\$	<b>2,969,349</b>	\$	<b>2,960,282</b>	

<b>TOTAL EXPENDITURES</b>		\$	<b>19,823,483</b>	\$	<b>14,890,969</b>	\$	<b>15,793,248</b>	\$	<b>16,475,729</b>	\$	<b>16,948,492</b>	\$	<b>17,402,182</b>	\$	<b>18,339,155</b>	\$	<b>17,801,074</b>	\$	<b>19,223,537</b>	\$	<b>19,938,188</b>	\$	<b>20,448,578</b>	\$	<b>20,959,960</b>	
<b>OPERATING NET (REVENUE - EXPENDITURES)</b>		\$	<b>(1,694,495)</b>	\$	<b>(2,448,930)</b>	\$	<b>(3,166,599)</b>	\$	<b>(3,604,833)</b>	\$	<b>(3,823,242)</b>	\$	<b>(4,011,972)</b>	\$	<b>(3,704,680)</b>	\$	<b>(2,878,818)</b>	\$	<b>(2,164,404)</b>	\$	<b>(2,566,096)</b>	\$	<b>(2,749,964)</b>	\$	<b>(2,920,566)</b>	
<b>CARRYOVER FROM PREVIOUS YEAR</b>		\$	<b>34,582,151</b>	\$	<b>25,812,176</b>	\$	<b>30,421,711</b>	\$	<b>23,465,387</b>	\$	<b>7,828,448</b>	\$	<b>4,144,027</b>	\$	<b>207,784</b>	\$	<b>(3,486,132)</b>	\$	<b>(6,421,083)</b>	\$	<b>(11,960,504)</b>	\$	<b>(17,972,546)</b>	\$	<b>(24,241,491)</b>	

<b>NON-OPERATING REVENUES</b>																										
<b>Other Revenue</b>																										
40511	Non-Reoccurring Water Sales	\$	-	\$	1,000,000	\$	3,250,000	\$	3,250,000	\$	3,250,000	\$	3,250,000	\$	3,250,000	\$	3,250,000	\$	3,250,000	\$	3,250,000	\$	3,250,000	\$	3,250,000	
41000	Other Income	\$	5,000	\$	5,000	\$	5,350	\$	5,725	\$	6,125	\$	6,554	\$	7,013	\$	7,504	\$	8,029	\$	8,591	\$	9,192	\$	9,836	7.00%
41015	COP Income	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	7.00%
41010	Grant Income	\$	1,600,000	\$	500,000	\$	750,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
45000	Capital Reimbursement Income	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	7.00%
41005	Asset Sale Income	\$	-	\$	10,000,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	7.00%
<b>Total Non-Operating Revenue</b>		\$	<b>1,605,000</b>	\$	<b>11,505,000</b>	\$	<b>4,005,350</b>	\$	<b>3,255,725</b>	\$	<b>3,256,125</b>	\$	<b>3,256,554</b>	\$	<b>3,257,013</b>	\$	<b>3,257,504</b>	\$	<b>8,029</b>	\$	<b>8,591</b>	\$	<b>9,192</b>	\$	<b>9,836</b>	

<b>TOTAL OPERATING FUNDS AVAILABLE (CURRENT YEAR REVENUE + CARRYOVER)</b>		\$	<b>34,492,656</b>	\$	<b>34,868,246</b>	\$	<b>31,260,462</b>	\$	<b>23,116,279</b>	\$	<b>7,261,332</b>	\$	<b>3,388,609</b>	\$	<b>(239,883)</b>	\$	<b>(3,107,446)</b>	\$	<b>(8,577,458)</b>	\$	<b>(14,518,008)</b>	\$	<b>(20,713,317)</b>	\$	<b>(27,152,221)</b>	
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<b>NON-OPERATING EXPENDITURES</b>																										
61400	Third Party Project Operations Capital Expenditures	\$	4,833,000	\$	128,535	\$	128,535	\$	2,500,000	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
70000	Capital Water Structure Expense	\$	500,000	\$	500,000	\$	2,030,000	\$	1,100,000	\$	1,133,000	\$	1,166,990	\$	1,202,000	\$	1,238,060	\$	1,275,201	\$	1,313,458	\$	1,352,861	\$	1,393,447	3.00%
70001	Capital Building Expense	\$	75,000	\$	75,000	\$	77,250	\$	79,568	\$	81,955	\$	84,413	\$	86,946	\$	89,554	\$	92,241	\$	95,008	\$	97,858	\$	100,794	3.00%
70100	Capital Booster Pump	\$	50,000	\$	50,000	\$	51,500	\$	53,045	\$	54,636	\$	56,275	\$	57,964	\$	59,703	\$	61,494	\$	63,339	\$	65,239	\$	67,196	3.00%
70101	Capital Well Expenses	\$	1,200,000	\$	1,200,000	\$	4,000,000	\$	300,000	\$	309,000	\$	318,270	\$	327,818	\$	337,653	\$	347,782	\$	358,216	\$	368,962	\$	380,031	3.00%
70200	Capital Engineering Consultants Expense	\$	250,000	\$	250,000	\$	257,500	\$	265,225	\$	273,182	\$	281,377	\$	289,819	\$	298,513	\$	307,468	\$	316,693	\$	326,193	\$	335,979	3.00%
70201	Capital Environmental Consultants Expense	\$	50,000	\$	50,000	\$	51,500	\$	53,045	\$	54,636	\$	56,275	\$	57,964	\$	59,703	\$	61,494	\$	63,339	\$	65,239	\$	67,196	3.00%
70500	Capital Auto and Truck Expense	\$	50,000	\$	50,000	\$	51,500	\$	53,045	\$	54,636	\$	56,275	\$	57,964	\$	59,703	\$	61,494	\$	63,339	\$	65,239	\$	67,196	3.00%
70501	Capital Equipment Expense	\$	120,000	\$	125,000	\$	128,750	\$	132,613																	



## **Appendix B**

# **PARCEL LIST AND WATER DEMAND ANALYSIS**

Kern County Assessor Parcel Number	RRBWS Water Platform Account Number (Owner Name per Kern County Assessor)	Estimated 2022 Total Water Usage (AF) (1)	Kern County Assessed Acres (2)	Estimated Parcel Water Supply vs Use (AF) (3)	Estimated Total Account Water Supply vs Use (AF) (4)	Potential Supplies in Excess of Use (AF) (5)
104-280-40	#10020 (16GC L P)	59.97	18.36	-21.04	-21.04	
103-010-42	#10021 (3&1 FARMS INC)	488.85	156.53	-157.01	-394.05	
103-010-43	#10021 (3&1 FARMS INC)	576.24	160.00	-237.04		
463-120-15	(KAUR PARAMJIT)	8.92	9.55	11.33	11.33	11.33
104-011-38	#10027 (AERA ENERGY LLC)	39.46	37.01	39.00	109.86	109.86
104-011-40	#10027 (AERA ENERGY LLC)	49.64	56.84	70.86		
103-010-18	#10030 (AFFENTRANGER FARMS LLC)	102.93	31.13	-36.94	-247.71	
103-010-19	#10030 (AFFENTRANGER FARMS LLC)	112.29	32.05	-44.34		
103-010-20	#10030 (AFFENTRANGER FARMS LLC)	107.17	31.13	-41.18		
103-010-21	#10030 (AFFENTRANGER FARMS LLC)	54.81	16.03	-20.82		
103-010-25	#10030 (AFFENTRANGER FARMS LLC)	204.04	104.18	16.83		
103-010-28	#10030 (AFFENTRANGER FARMS LLC)	452.30	153.34	-127.22		
103-010-30	#10030 (AFFENTRANGER FARMS LLC)	58.54	16.03	-24.56		
103-010-31	#10030 (AFFENTRANGER FARMS LLC)	64.46	32.05	3.49		
103-010-32	#10030 (AFFENTRANGER FARMS LLC)	221.91	94.32	-21.95		
103-010-39	#10030 (AFFENTRANGER FARMS LLC)	21.19	26.40	34.77		
103-010-40	#10030 (AFFENTRANGER FARMS LLC)	47.34	52.69	64.37		
103-060-05	#10030 (AFFENTRANGER FARMS LLC)	803.29	318.18	-128.75		
463-052-05	#10030 (AFFENTRANGER FARMS LLC)	40.42	38.18	40.52		
463-052-06	#10030 (AFFENTRANGER FARMS LLC)	42.87	38.18	38.07		
103-060-08	#10033 (AFFENTRANGER RANCHES)	214.39	78.00	-49.03	-624.45	
103-060-10	#10033 (AFFENTRANGER RANCHES)	664.26	240.00	-155.46		
103-060-11	#10033 (AFFENTRANGER RANCHES)	224.60	160.00	114.60		
103-060-12	#10033 (AFFENTRANGER RANCHES)	346.73	160.00	-7.53		
103-070-08	#10033 (AFFENTRANGER RANCHES)	351.37	160.00	-12.17		
104-050-01	#10033 (AFFENTRANGER RANCHES)	755.98	217.35	-295.20		
104-050-08	#10033 (AFFENTRANGER RANCHES)	554.30	157.85	-219.66		
104-230-05	#10034 (AGUIRRE JOSE LUIS & MARIA D)	30.35	40.60	55.72	55.72	55.72
103-270-01	#10037 (ALBORZ FARMS L L C)	1,057.14	320.00	-378.74	-378.74	
463-080-09	#10040 (AMENTS A PROPERTIES II LP)	102.12	30.00	-38.52	-168.49	
463-090-26	#10040 (AMENTS A PROPERTIES II LP)	212.55	64.89	-74.98		
463-100-05	#10040 (AMENTS A PROPERTIES II LP)	84.11	26.32	-28.31		
463-110-01	#10040 (AMENTS A PROPERTIES II LP)	69.08	20.00	-26.68		
463-110-22	(AMENTS A PROP II LP)	27.54	8.09	-10.39	-38.63	
463-110-23	(AMENTS A PROP II LP)	74.89	22.00	-28.25		
104-040-18	#10043 (ANDREWS GARY G & PATSY L)	16.60	9.89	4.36	4.36	4.36
407-030-03	#10053 (BAKFLD DEV CO LLC)	11.48	19.55	29.97	62.67	62.67
407-030-04	#10053 (BAKFLD DEV CO LLC)	8.74	19.55	32.70		
407-320-25	#10054 (BARMAN FAMILY REVOCABLE TRUST)	23.32	10.40	-1.28	-1.28	
408-250-24	#10058 (BARRON ALBERT W)	9.73	9.62	10.66	10.66	10.66
407-112-06	#10069 (BELLA ROSA ORCHARDS LLC)	145.29	39.09	-62.42	-62.42	
103-150-07-01-4	#10071 (GGA REDDY FAMILY L P)	83.31	131.02	194.45	194.45	194.45
103-150-07-02-3	#10073 (BELLUOMINI RANCHES LP)	16.66	26.20	38.88	-305.22	
103-180-01	#10072 (BELLUOMINI RANCHES L P)	336.83	160.00	2.37		
103-110-02	#10073 (BELLUOMINI RANCHES LP)	178.03	80.00	-8.43		
103-110-04	#10073 (BELLUOMINI RANCHES LP)	92.72	40.00	-7.92		
103-110-09	#10073 (BELLUOMINI RANCHES LP)	89.11	40.00	-4.31		
103-120-15	#10073 (BELLUOMINI RANCHES LP)	36.08	21.49	9.48		
103-120-17	#10073 (BELLUOMINI RANCHES LP)	30.07	15.06	1.85		
103-130-03	#10073 (BELLUOMINI RANCHES LP)	9.21	5.00	1.39		
103-140-02	#10073 (BELLUOMINI RANCHES LP)	100.85	40.00	-16.05		
103-140-12	#10073 (BELLUOMINI RANCHES LP)	504.24	158.62	-167.96		
103-140-19	#10073 (BELLUOMINI RANCHES LP)	61.80	28.19	-2.04		
103-170-41	#10073 (BELLUOMINI RANCHES LP)	6.02	10.14	15.47		
103-180-05	#10073 (BELLUOMINI RANCHES LP)	218.33	80.00	-48.73		
103-180-07	#10073 (BELLUOMINI RANCHES LP)	436.32	160.00	-97.12		
103-190-13	#10073 (BELLUOMINI RANCHES LP)	60.29	21.88	-13.90		
103-200-23	#10073 (BELLUOMINI RANCHES LP)	70.16	30.45	-5.60		
103-200-25	#10073 (BELLUOMINI RANCHES LP)	13.23	5.30	-2.00		
103-140-17	#10704 (BELLUMONI RANCHES LP)	21.98	10.08	-0.61		
104-040-16	#10078 (BERMUDEZ ARTHUR & DESIREE)	15.71	9.89	5.26	5.26	5.26

Kern County Assessor Parcel Number	RRBWS Water Platform Account Number (Owner Name per Kern County Assessor)	Estimated 2022 Total Water Usage (AF) (1)	Kern County Assessed Acres (2)	Estimated Parcel Water Supply vs Use (AF) (3)	Estimated Total Account Water Supply vs Use (AF) (4)	Potential Supplies in Excess of Use (AF) (5)
104-250-20	#10081 (BIDART DAIRY III LLC)	11.62	5.02	-0.98	-211.59	
104-250-21	#10081 (BIDART DAIRY III LLC)	26.56	9.98	-5.41		
104-280-01	#10081 (BIDART DAIRY III LLC)	107.22	36.59	-29.65		
104-280-07	#10081 (BIDART DAIRY III LLC)	793.06	318.18	-118.52		
104-280-19	#10081 (BIDART DAIRY III LLC)	52.58	20.12	-9.93		
104-280-24	#10081 (BIDART DAIRY III LLC)	57.88	20.13	-15.21		
104-280-25	#10081 (BIDART DAIRY III LLC)	55.91	19.71	-14.12		
104-280-27	#10081 (BIDART DAIRY III LLC)	60.42	20.12	-17.77		
104-072-13	#10088 (BLOEMER ESTATE LP)	136.28	47.74	-35.07	-41.39	
104-072-14	#10088 (BLOEMER ESTATE LP)	27.52	10.00	-6.32		
104-012-03	#10092 (BOLTHOUSE LAND CO LLC)	123.86	127.73	146.93	319.50	319.50
104-012-06	#10092 (BOLTHOUSE LAND CO LLC)	53.35	60.00	73.85		
104-012-19	#10092 (BOLTHOUSE LAND CO LLC)	34.98	40.00	49.82		
104-012-20	#10092 (BOLTHOUSE LAND CO LLC)	35.90	40.00	48.90		
407-112-09	#10093 (BONDEROV WILLIAM KEVIN)	13.04	9.62	7.36	16.43	16.43
407-112-11	#10093 (BONDEROV WILLIAM KEVIN)	11.34	9.63	9.07		
104-071-25	#10094 (BONE FAMILY TRUST)	248.09	72.88	-93.59	-93.59	
103-150-13	#10095 (BOOZER FAMILY L P)	8.59	13.46	19.94	19.94	19.94
104-280-28	#10098 (BOS LEGACY L P)	60.02	19.65	-18.37	-134.26	
104-280-29	#10098 (BOS LEGACY L P)	64.89	19.65	-23.24		
104-280-30	#10098 (BOS LEGACY L P)	63.28	20.12	-20.62		
104-280-31	#10098 (BOS LEGACY L P)	54.72	20.13	-12.05		
104-280-32	#10098 (BOS LEGACY L P)	53.67	18.74	-13.94		
104-280-33	#10098 (BOS LEGACY L P)	59.35	19.66	-17.67		
104-280-34	#10098 (BOS LEGACY L P)	58.91	19.66	-17.23		
104-280-35	#10098 (BOS LEGACY L P)	52.87	19.68	-11.15		
407-112-14	#10101 (BRIMHALL RANCH LLC)	33.05	10.07	-11.70	-115.34	
407-112-17	#10101 (BRIMHALL RANCH LLC)	33.08	10.08	-11.72		
407-112-19	#10101 (BRIMHALL RANCH LLC)	259.59	79.09	-91.92		
103-060-04	#10112 (BUSHNELL JON R & JULIA BUSHNELL FAMILY TRUST)	1,057.94	318.18	-383.39	-383.39	
103-150-11	#10114 (BUTTONWILLOW LAND & CATTLE CO)	12.69	18.92	27.42	132.01	132.01
103-150-14	#10114 (BUTTONWILLOW LAND & CATTLE CO)	5.66	9.86	15.25		
103-170-04	#10114 (BUTTONWILLOW LAND & CATTLE CO)	10.68	18.93	29.46		
103-170-06	#10114 (BUTTONWILLOW LAND & CATTLE CO)	52.81	80.00	116.79		
103-170-08	#10114 (BUTTONWILLOW LAND & CATTLE CO)	18.16	36.00	58.16		
104-300-04	#10114 (BUTTONWILLOW LAND & CATTLE CO)	728.92	289.55	-115.07		
463-080-04	#10117 (CALDER PATTY A)	8.01	9.91	13.00	13.00	13.00
103-150-03	#10120 (CALIFORNIA PISTACHIO INC)	399.97	160.00	-60.77	-60.77	
104-210-05	#10127 (CAUZZA ALMONDS L P)	602.35	156.36	-270.87	-518.74	
104-220-01	#10127 (CAUZZA ALMONDS L P)	579.36	156.36	-247.88		
104-071-26	#10129 (CAUZZA RANCHES L L C)	76.78	25.30	-23.14	-824.52	
104-071-27	#10129 (CAUZZA RANCHES L L C)	70.99	22.30	-23.71		
104-071-28	#10129 (CAUZZA RANCHES L L C)	69.63	22.85	-21.19		
104-210-42	#10129 (CAUZZA RANCHES L L C)	17.96	4.73	-7.93		
104-210-43	#10129 (CAUZZA RANCHES L L C)	27.07	6.57	-13.14		
104-210-44	#10129 (CAUZZA RANCHES L L C)	45.01	11.17	-21.33		
104-210-45	#10129 (CAUZZA RANCHES L L C)	59.40	15.31	-26.94		
104-210-46	#10129 (CAUZZA RANCHES L L C)	72.85	19.45	-31.62		
104-210-48	#10129 (CAUZZA RANCHES L L C)	65.75	19.26	-24.92		
104-210-49	#10129 (CAUZZA RANCHES L L C)	55.33	16.07	-21.26		
104-210-50	#10129 (CAUZZA RANCHES L L C)	59.31	16.07	-25.24		
104-210-51	#10129 (CAUZZA RANCHES L L C)	78.45	22.52	-30.71		
104-210-52	#10129 (CAUZZA RANCHES L L C)	44.45	14.48	-13.76		
103-150-20	#10130 (CAUZZA RANCHES LLC)	102.25	41.41	-14.46		
104-080-42	#10130 (CAUZZA RANCHES LLC)	401.91	116.97	-153.93		
104-210-39	#10130 (CAUZZA RANCHES LLC)	265.46	81.56	-92.55		
104-220-11	#10130 (CAUZZA RANCHES LLC)	190.49	60.03	-63.23		
104-220-12	#10130 (CAUZZA RANCHES LLC)	550.61	158.09	-215.46		
104-060-49	#10138 (CHERNABAEFF GEORGE)	27.11	20.03	15.36	15.36	15.36
463-052-19	#10149 (COOMBS FAMILY TR)	42.48	37.46	36.93	36.93	36.93
104-090-38	#10159 (COX FAMILY TRUST)	59.67	19.09	-19.20	-19.20	

Kern County Assessor Parcel Number	RRBWS Water Platform Account Number (Owner Name per Kern County Assessor)	Estimated 2022 Total Water Usage (AF) (1)	Kern County Assessed Acres (2)	Estimated Parcel Water Supply vs Use (AF) (3)	Estimated Total Account Water Supply vs Use (AF) (4)	Potential Supplies in Excess of Use (AF) (5)
103-170-10	#10162 (CRUZ ANTONIO V & CARLOTA G REV TRUST)	18.32	32.95	51.53	51.53	51.53
408-250-18	#10168 (DELFINO BAKERSFIELD LLC)	20.00	9.33	-0.22	-4.65	
408-250-19	#10168 (DELFINO BAKERSFIELD LLC)	22.80	9.83	-1.96		
408-250-20	#10168 (DELFINO BAKERSFIELD LLC)	22.94	9.83	-2.10		
408-250-21	#10168 (DELFINO BAKERSFIELD LLC)	19.32	8.94	-0.37		
104-071-06	#10169 (DEMETER AGRICULTURAL PROP II LLC)	70.18	39.09	12.69	112.51	112.51
104-071-10	#10169 (DEMETER AGRICULTURAL PROP II LLC)	313.08	178.18	64.66		
104-071-11	#10169 (DEMETER AGRICULTURAL PROP II LLC)	36.85	20.00	5.55		
104-071-14	#10169 (DEMETER AGRICULTURAL PROP II LLC)	103.35	58.18	19.99		
104-071-18	#10169 (DEMETER AGRICULTURAL PROP II LLC)	30.86	19.09	9.61		
104-090-10	#10172 (DHALIWA NIRMAL S)	184.80	99.09	25.27	25.27	25.27
104-080-23	#10173 (DIAMOND FARMING CO)	128.92	88.58	58.87	58.87	58.87
104-292-09	#10175 (DILLARD LONNIE)	43.72	49.90	62.07	62.07	62.07
104-011-10	#10180 (DOOLITTLE FAMILY TRUST)	13.87	9.55	6.38	6.38	6.38
104-240-29	#10181 (DOUBLE H L P)	111.16	78.18	54.58	68.14	68.14
104-240-46	#10181 (DOUBLE H L P)	43.43	26.88	13.56		
407-112-16	#10187 (DUNLAVEY J&D FAMILY TRUST)	15.03	9.63	5.39	5.39	5.39
104-240-17	#10188 (ECB BAKERSFIELD PROPERTIES INC)	119.71	46.89	-20.30	-20.30	
104-060-09	#10189 (ECHEVERRIA JUAN & DOLORES FAMILY TRUST)	121.40	30.00	-57.80	-651.21	
104-060-10	#10189 (ECHEVERRIA JUAN & DOLORES FAMILY TRUST)	43.17	10.00	-21.97		
104-060-11	#10189 (ECHEVERRIA JUAN & DOLORES FAMILY TRUST)	412.55	98.18	-204.41		
104-060-12	#10189 (ECHEVERRIA JUAN & DOLORES FAMILY TRUST)	80.07	18.75	-40.32		
104-060-14	#10189 (ECHEVERRIA JUAN & DOLORES FAMILY TRUST)	665.91	160.00	-326.71		
104-040-06	#10190 (ECHEVERRIA JUAN & DOLORES TRUST)	151.59	39.09	-68.72	-664.94	
104-040-07	#10190 (ECHEVERRIA JUAN & DOLORES TRUST)	332.29	80.00	-162.69		
104-040-08	#10190 (ECHEVERRIA JUAN & DOLORES TRUST)	162.97	39.09	-80.09		
104-040-09	#10190 (ECHEVERRIA JUAN & DOLORES TRUST)	76.12	19.54	-34.69		
104-040-11	#10190 (ECHEVERRIA JUAN & DOLORES TRUST)	329.61	80.00	-160.01		
104-040-14	#10190 (ECHEVERRIA JUAN & DOLORES TRUST)	327.36	79.54	-158.73		
104-030-04	#10191 (ELK GROVE RANCH CO)	325.85	79.09	-158.18	-158.18	
104-080-18	#10195 (ENNS 2016 TRUST)	142.20	39.09	-59.33	-482.15	
104-080-31	#10195 (ENNS 2016 TRUST)	279.27	79.09	-111.60		
104-080-32	#10195 (ENNS 2016 TRUST)	24.49	20.10	18.13		
104-080-33	#10195 (ENNS 2016 TRUST)	27.12	20.10	15.50		
104-080-34	#10195 (ENNS 2016 TRUST)	28.22	19.64	13.42		
104-080-35	#10195 (ENNS 2016 TRUST)	27.62	19.64	14.02		
104-280-18	#10195 (ENNS 2016 TRUST)	868.16	236.36	-367.07		
104-291-06	#10195 (ENNS 2016 TRUST)	17.20	5.66	-5.20		
104-291-30	#10207 (FANUCCHI ANGELO & HAZEL TRUST)	69.24	19.75	-27.37	-286.74	
104-291-31	#10207 (FANUCCHI ANGELO & HAZEL TRUST)	71.22	19.74	-29.37		
104-291-32	#10207 (FANUCCHI ANGELO & HAZEL TRUST)	121.02	34.21	-48.49		
104-291-34	#10207 (FANUCCHI ANGELO & HAZEL TRUST)	293.55	78.77	-126.56		
104-420-12	#10207 (FANUCCHI ANGELO & HAZEL TRUST)	18.63	5.00	-8.03		
104-420-13	#10207 (FANUCCHI ANGELO & HAZEL TRUST)	18.63	5.00	-8.03		
104-420-14	#10207 (FANUCCHI ANGELO & HAZEL TRUST)	18.63	5.00	-8.03		
104-420-15	#10207 (FANUCCHI ANGELO & HAZEL TRUST)	71.55	19.20	-30.85		
104-420-06	(FANUCCHI LARRY ET AL)	18.60	4.99	-8.02	-64.24	
104-420-07	(FANUCCHI LARRY ET AL)	18.60	4.99	-8.02		
104-420-08	(FANUCCHI LARRY ET AL)	37.27	10.00	-16.07		
104-420-09	(FANUCCHI LARRY ET AL)	74.53	20.00	-32.13		
103-110-01	#10210 (FARMERS COOPERATIVE GIN INC)	66.20	60.00	61.00	209.89	209.89
103-120-13	#10210 (FARMERS COOPERATIVE GIN INC)	47.99	54.22	66.95		
103-120-30	#10210 (FARMERS COOPERATIVE GIN INC)	136.39	102.98	81.93		
103-270-42	#10215 (FEUERSTEIN LEWIS G)	53.87	19.05	-13.48	-24.78	
103-270-44	#10215 (FEUERSTEIN LEWIS G)	69.43	27.42	-11.30		
408-250-05	#10220 (FLEISHAUER HAROLD R TR)	126.62	39.09	-43.75	-43.75	
407-112-13	#10236 (GALVAN VICTOR M & ANA DEISY)	14.78	10.07	6.57	6.57	6.57
104-080-28	#10239 (GARDINER FAMILY LLC)	262.66	70.33	-113.56	-195.11	
104-080-48	#10239 (GARDINER FAMILY LLC)	166.77	40.20	-81.55		
104-080-39	#10240 (GARDINER JOHN T REVOCABLE TRUST)	641.96	155.70	-311.88	-402.73	
104-230-01	#10240 (GARDINER JOHN T REVOCABLE TRUST)	196.03	49.61	-90.85		

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104-080-21	#10241 (GARDINER KEITH B IRR TR)	169.24	40.41	-83.57	-475.72	
104-080-24	#10241 (GARDINER KEITH B IRR TR)	503.12	120.41	-247.85		
463-060-04	#10241 (GARDINER KEITH B IRR TR)	314.36	80.22	-144.30		
463-060-23	#10242 (GARDINER KEITH B TRUST)	89.01	80.49	81.63	254.19	254.19
463-070-06	#10242 (GARDINER KEITH B TRUST)	158.51	158.98	178.53		
463-070-07	#10242 (GARDINER KEITH B TRUST)	256.32	80.00	-86.72		
463-070-11	#10242 (GARDINER KEITH B TRUST)	84.99	78.18	80.75		
104-090-42	#10243 (GARDINER LIVING TRUST)	139.56	39.27	-56.31	-56.31	
104-050-02	#10252 (GLOBAL AG PROP USA LLC)	161.30	40.00	-76.50		
104-050-03	#10252 (GLOBAL AG PROP USA LLC)	245.87	60.00	-118.67	-2,497.60	
104-050-07	#10252 (GLOBAL AG PROP USA LLC)	669.63	161.54	-327.17		
104-050-10	#10252 (GLOBAL AG PROP USA LLC)	155.44	40.10	-70.43		
104-050-11	#10252 (GLOBAL AG PROP USA LLC)	151.20	40.10	-66.19		
104-050-12	#10252 (GLOBAL AG PROP USA LLC)	146.43	40.10	-61.42		
104-050-14	#10252 (GLOBAL AG PROP USA LLC)	164.27	40.11	-79.24		
104-050-15	#10252 (GLOBAL AG PROP USA LLC)	161.39	40.10	-76.38		
104-050-16	#10252 (GLOBAL AG PROP USA LLC)	165.97	40.11	-80.93		
104-050-17	#10252 (GLOBAL AG PROP USA LLC)	163.15	40.10	-78.14		
104-050-18	#10252 (GLOBAL AG PROP USA LLC)	162.82	40.10	-77.81		
104-050-19	#10252 (GLOBAL AG PROP USA LLC)	163.32	40.10	-78.31		
104-050-20	#10252 (GLOBAL AG PROP USA LLC)	149.26	40.08	-64.29		
104-050-21	#10252 (GLOBAL AG PROP USA LLC)	158.58	40.10	-73.57		
104-050-22	#10252 (GLOBAL AG PROP USA LLC)	149.98	40.08	-65.01		
104-050-23	#10252 (GLOBAL AG PROP USA LLC)	157.28	40.08	-72.31		
104-050-24	#10252 (GLOBAL AG PROP USA LLC)	159.59	40.08	-74.62		
104-050-25	#10252 (GLOBAL AG PROP USA LLC)	157.22	40.08	-72.25		
104-050-27	#10252 (GLOBAL AG PROP USA LLC)	153.21	40.07	-68.26		
104-100-03	#10252 (GLOBAL AG PROP USA LLC)	320.63	79.77	-151.52		
104-100-09	#10252 (GLOBAL AG PROP USA LLC)	310.74	78.58	-144.15		
104-100-11	#10252 (GLOBAL AG PROP USA LLC)	1,268.32	316.69	-596.94		
103-150-08	#10259 (GOOSELAKE HOLDING CO)	251.98	150.90	67.93	251.44	251.44
103-150-09	#10259 (GOOSELAKE HOLDING CO)	100.07	62.90	33.28		
103-160-02	#10259 (GOOSELAKE HOLDING CO)	199.57	160.00	139.63		
103-160-05	#10259 (GOOSELAKE HOLDING CO)	7.72	9.79	13.03		
103-160-09	#10259 (GOOSELAKE HOLDING CO)	6.17	10.00	15.03		
103-160-11	#10259 (GOOSELAKE HOLDING CO)	287.92	180.00	93.68		
103-160-13	#10259 (GOOSELAKE HOLDING CO)	132.79	73.93	23.94		
103-160-16	#10259 (GOOSELAKE HOLDING CO)	99.97	40.00	-15.17		
103-170-46	#10259 (GOOSELAKE HOLDING CO)	610.60	231.45	-119.93		
408-011-59	#10260 (GOOSELAKE RANCH LLC)	43.86	16.73	-8.39	-32.16	
408-011-63	#10260 (GOOSELAKE RANCH LLC)	140.94	55.27	-23.77		
104-230-12	#10265 (GRAYSON BOB W SR & CAROL A)	20.85	19.62	20.75	20.75	20.75
407-320-10	#10266 (GRAYSON BOBBY & CAROL ANN LIVING TRUST)	19.81	24.44	32.00	32.00	32.00
104-100-05	#10272 (GRIMMWAY ENTERPRISES INC)	88.76	74.90	70.03	132.14	132.14
104-100-12	#10272 (GRIMMWAY ENTERPRISES INC)	101.60	77.22	62.11		
407-060-02	#10283 (HART KRISTIN MICHELLE)	12.21	9.67	8.29	8.29	8.29
103-010-36	#10288 (HB AG INVS LLC)	1,281.36	317.43	-608.40	-1,010.60	
104-030-05	#10288 (HB AG INVS LLC)	284.74	79.09	-117.07		
104-060-05	#10288 (HB AG INVS LLC)	136.57	39.09	-53.70		
104-060-26	#10288 (HB AG INVS LLC)	66.16	19.55	-24.72		
104-060-27	#10288 (HB AG INVS LLC)	66.40	19.55	-24.95		
104-090-03	#10288 (HB AG INVS LLC)	14.51	10.00	6.69		
104-090-04	#10288 (HB AG INVS LLC)	48.28	19.55	-6.83		
104-090-05	#10288 (HB AG INVS LLC)	42.64	19.55	-1.20		
104-090-06	#10288 (HB AG INVS LLC)	46.58	37.18	32.24		
104-090-08	#10288 (HB AG INVS LLC)	44.31	30.00	19.29		
104-090-31	#10288 (HB AG INVS LLC)	46.81	16.16	-12.55		
104-090-39	#10288 (HB AG INVS LLC)	71.72	19.09	-31.25		
104-090-40	#10288 (HB AG INVS LLC)	71.13	19.09	-30.66		
104-240-32	#10288 (HB AG INVS LLC)	126.29	44.37	-32.23		
104-240-33	#10288 (HB AG INVS LLC)	460.70	158.22	-125.27		

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104-011-15	#10289 (HEIN MARTIN)	49.47	19.55	-8.03	-8.03	
103-070-10	#10298 (HIGHWAY 58 LLC)	284.28	157.36	49.32	314.62	314.62
104-200-01	#10298 (HIGHWAY 58 LLC)	374.49	301.79	265.30		
463-052-18	#10304 (HINESLEY FAMILY TRUST)	11.51	19.55	29.93	91.52	91.52
463-120-18	#10304 (HINESLEY FAMILY TRUST)	16.84	20.00	25.56		
463-120-43	#10304 (HINESLEY FAMILY TRUST)	27.60	30.01	36.02		
408-011-34	#10314 (HOWES PATRICK & LISA)	18.13	18.83	21.79	21.79	21.79
104-030-20	#10323 (J & R DAIRY)	33.47	9.23	-13.90	-65.30	
104-030-47	#10323 (J & R DAIRY)	23.90	7.22	-8.59		
104-030-49	#10323 (J & R DAIRY)	115.34	34.21	-42.81		
463-051-17	#10324 (J C F A)	73.54	41.03	13.45	13.45	13.45
104-250-19	#10332 (JEANETTE FAST L P)	26.56	9.47	-6.48	-50.59	
408-122-09	#10332 (JEANETTE FAST L P)	139.66	39.09	-56.79		
463-160-18	#10332 (JEANETTE FAST L P)	18.14	20.00	24.26		
407-011-08	#10332 (JEANETTE FAST L P)	31.43	9.36	-11.58		
104-280-09	#10333 (JEANETTE FAST LIMINTED PTP LP)	443.07	160.00	-103.87	-512.07	
104-280-12	#10333 (JEANETTE FAST LIMINTED PTP LP)	218.02	80.00	-48.42		
104-300-01	#10333 (JEANETTE FAST LIMINTED PTP LP)	782.13	237.45	-278.74		
104-300-03	#10333 (JEANETTE FAST LIMINTED PTP LP)	65.14	39.02	17.58		
407-011-10	#10333 (JEANETTE FAST LIMINTED PTP LP)	256.39	76.36	-94.50		
407-112-05	#10334 (JEANETTE FAST LIMITED PARTNERSHIP LP)	87.96	39.55	-4.12		
407-120-02	#10335 (JELMINI FAMILY TRUST)	61.32	18.63	-21.83	-21.83	
495-020-05	#10340 (JHAJ RUPINDER)	8.88	9.95	12.21	12.21	12.21
104-030-15	#10353 (JUAN & DOLORES ECHEVERRIA FAMILY PTP)	131.18	37.43	-51.82	-182.46	
104-030-16	#10353 (JUAN & DOLORES ECHEVERRIA FAMILY PTP)	31.89	8.94	-12.94		
104-030-17	#10353 (JUAN & DOLORES ECHEVERRIA FAMILY PTP)	133.75	39.40	-50.22		
104-030-27	#10353 (JUAN & DOLORES ECHEVERRIA FAMILY PTP)	97.85	29.67	-34.95		
104-030-28	#10353 (JUAN & DOLORES ECHEVERRIA FAMILY PTP)	95.02	29.48	-32.52		
104-072-45	#10358 (KERN COMMUN COLL DIST)	215.50	73.17	-60.38	-240.34	
104-072-58	#10358 (KERN COMMUN COLL DIST)	501.96	151.89	-179.96		
463-150-45	#10359 (KERN LAND PARTNERS LLC)	24.28	36.14	52.33	75.79	75.79
464-021-01	#10359 (KERN LAND PARTNERS LLC)	16.06	18.64	23.45		
104-072-05	#10362 (KIM JEAN EUN)	24.00	19.72	17.81	17.81	17.81
104-072-16	#10365 (KOPPS HENRIETTA TR)	10.82	19.55	30.63	30.63	30.63
103-170-42	#10366 (KOSAREFF EDWARD & KATHERINE)	106.43	62.52	26.11	-479.36	
103-260-03	#10366 (KOSAREFF EDWARD & KATHERINE)	284.48	120.00	-30.08		
103-260-09	#10366 (KOSAREFF EDWARD & KATHERINE)	160.72	40.00	-75.92		
103-260-17	#10366 (KOSAREFF EDWARD & KATHERINE)	112.48	39.29	-29.18		
103-260-21	#10366 (KOSAREFF EDWARD & KATHERINE)	86.88	25.94	-31.89		
103-260-24	#10366 (KOSAREFF EDWARD & KATHERINE)	33.83	9.39	-13.92		
103-260-27	#10366 (KOSAREFF EDWARD & KATHERINE)	406.11	110.36	-172.14		
103-270-33	#10366 (KOSAREFF EDWARD & KATHERINE)	153.28	51.80	-43.46		
103-270-38	#10366 (KOSAREFF EDWARD & KATHERINE)	306.92	140.68	-8.68		
103-270-43	#10366 (KOSAREFF EDWARD & KATHERINE)	270.94	80.54	-100.20		
103-150-10	#10367 (KOSAREFF EDWARD J & KATHERINE)	40.95	38.78	41.26	187.11	187.11
103-170-09	#10367 (KOSAREFF EDWARD J & KATHERINE)	25.38	27.27	32.43		
103-170-15	#10367 (KOSAREFF EDWARD J & KATHERINE)	220.07	160.00	119.13		
103-170-17	#10367 (KOSAREFF EDWARD J & KATHERINE)	29.02	17.41	7.89		
103-180-02	#10367 (KOSAREFF EDWARD J & KATHERINE)	775.84	319.61	-98.27		
103-270-06	#10367 (KOSAREFF EDWARD J & KATHERINE)	146.22	118.52	105.05		
103-270-13	#10367 (KOSAREFF EDWARD J & KATHERINE)	13.55	10.36	8.42		
103-270-23	#10367 (KOSAREFF EDWARD J & KATHERINE)	31.44	19.09	9.04		
103-270-26	#10367 (KOSAREFF EDWARD J & KATHERINE)	272.91	150.94	47.08		
103-270-27	#10367 (KOSAREFF EDWARD J & KATHERINE)	57.75	19.69	-16.01		
103-270-28	#10367 (KOSAREFF EDWARD J & KATHERINE)	59.96	19.68	-18.24		
103-270-29	#10367 (KOSAREFF EDWARD J & KATHERINE)	57.01	19.67	-15.31		
103-270-30	#10367 (KOSAREFF EDWARD J & KATHERINE)	58.12	19.66	-16.44		
103-270-31	#10367 (KOSAREFF EDWARD J & KATHERINE)	58.39	19.85	-16.31		
103-270-32	#10367 (KOSAREFF EDWARD J & KATHERINE)	87.38	39.98	-2.62		
104-072-08	#10382 (LIMA MICHAEL WAYNE TR)	55.91	19.76	-14.02	-14.02	
104-030-21	#10383 (LIMA MICHAEL WAYNE TRUST)	47.99	14.80	-16.61	-37.40	

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104-030-22	#10383 (LIMA MICHAEL WAYNE TRUST)	44.42	14.50	-13.68		
104-030-23	#10383 (LIMA MICHAEL WAYNE TRUST)	20.32	7.90	-3.57		
104-030-24	#10383 (LIMA MICHAEL WAYNE TRUST)	29.83	12.40	-3.54		
103-170-16	#10384 (LIN NANETTE)	9.37	14.13	20.58	20.58	20.58
463-080-01	(VASQUEZ RENE & LETICIA)	6.53	10.08	14.84	14.84	14.84
103-270-14	#10406 (MANSOUR RAMZI)	24.63	29.59	38.10	38.10	38.10
103-010-37	#10411 (MARTINEZ MAGDALENO & VIRGINIA)	13.65	19.56	27.82	27.82	27.82
104-292-13	#10417 (MATUK DAVID & R TR)	5.98	11.02	17.38	17.38	17.38
104-240-26	#10422 (MC CASLIN MARC)	16.93	10.03	4.33	-370.04	
104-240-52	#10422 (MC CASLIN MARC)	57.52	20.78	-13.47		
104-240-53	#10422 (MC CASLIN MARC)	67.36	20.00	-24.96		
104-260-08	#10422 (MC CASLIN MARC)	77.26	36.71	0.57		
104-270-28	#10422 (MC CASLIN MARC)	1,009.74	317.56	-336.51		
407-040-04	#10431 (MC WILLIAMS ELLEN F TR)	22.66	19.55	18.78	18.78	18.78
104-270-03	#10442 (MITCHEL CARYL C CHARITABLE REM TR)	33.03	78.18	132.71	132.71	132.71
407-320-15	(PETERSON MARK E & HOLLY J)	24.84	17.60	12.47	12.47	12.47
463-052-07	#10462 (NOWEST LAND & DEV LLC)	24.22	17.09	12.01	12.01	12.01
463-160-11	#10464 (O CONNELL INVESTMENTS LLC)	57.52	19.55	-16.08	-39.93	
463-160-13	#10464 (O CONNELL INVESTMENTS LLC)	25.96	10.00	-4.76		
463-160-53	#10464 (O CONNELL INVESTMENTS LLC)	10.15	4.25	-1.14		
463-160-55	#10464 (O CONNELL INVESTMENTS LLC)	71.82	25.41	-17.95		
104-030-34	#10468 (OGORKIEWICZ ALICJA)	24.27	19.95	18.03	32.24	32.24
104-030-35	#10468 (OGORKIEWICZ ALICJA)	28.08	19.95	14.22		
408-012-03	#10476 (PALLA DONALD RALPH GST TRUST)	27.50	37.68	52.38	52.38	52.38
104-030-06	#10479 (PANDOL BROS INC)	330.25	110.81	-95.33	-95.33	
104-220-04	#10480 (PARAMOUNT LAND CO II LLC)	1,099.46	318.18	-424.92	-1,138.62	
407-111-01	#10480 (PARAMOUNT LAND CO II LLC)	538.65	156.36	-207.16		
407-111-40	#10480 (PARAMOUNT LAND CO II LLC)	281.81	156.36	49.68		
407-112-23	#10480 (PARAMOUNT LAND CO II LLC)	267.46	75.04	-108.38		
408-121-06	#10480 (PARAMOUNT LAND CO II LLC)	560.75	159.82	-221.93		
408-121-07	#10480 (PARAMOUNT LAND CO II LLC)	565.42	160.15	-225.90		
408-122-65	#10488 (PENSINGER MICHAEL M)	11.32	9.66	9.16	9.16	9.16
104-060-63	#10490 (PFLUGH JAMES K)	62.60	40.07	22.35	22.35	22.35
104-220-19	#10492 (PHAM VENTURE LLC)	37.09	19.70	4.68	84.67	84.67
104-220-20	#10492 (PHAM VENTURE LLC)	34.04	19.70	7.72		
104-220-23	#10492 (PHAM VENTURE LLC)	27.78	19.26	13.05		
104-220-24	#10492 (PHAM VENTURE LLC)	25.85	20.17	16.91		
104-220-25	#10492 (PHAM VENTURE LLC)	26.22	20.17	16.54		
104-220-26	#10492 (PHAM VENTURE LLC)	29.56	20.16	13.18		
104-220-29	#10492 (PHAM VENTURE LLC)	28.69	19.47	12.58		
104-060-55	#10505 (PREMIERE PARTNERS IV L P)	305.95	80.36	-135.58	-525.23	
104-060-56	#10505 (PREMIERE PARTNERS IV L P)	228.95	60.30	-101.12		
104-060-57	#10505 (PREMIERE PARTNERS IV L P)	78.82	20.10	-36.20		
104-060-58	#10505 (PREMIERE PARTNERS IV L P)	593.33	160.85	-252.33		
103-120-29	#10508 (PROLOGIS)	11.10	17.39	25.77	25.77	25.77
407-112-27	#10509 (PTM PROP LLC)	102.26	34.61	-28.88	-28.88	
463-160-01	#10511 (R & G FARMS)	118.23	58.64	6.08	6.08	6.08
103-180-08	#10512 (RAAVIZ FARMS L L C)	545.45	160.00	-206.25	-542.35	
103-190-15	#10512 (RAAVIZ FARMS L L C)	26.13	8.37	-8.38		
103-190-20	#10512 (RAAVIZ FARMS L L C)	385.89	114.16	-143.87		
103-240-11	#10512 (RAAVIZ FARMS L L C)	78.11	23.83	-27.59		
103-260-30	#10512 (RAAVIZ FARMS L L C)	412.20	120.73	-156.26		
104-200-03	#10514 (RECOT INC)	1,029.74	634.00	314.34	314.34	314.34
104-420-03	#10515 (RED E LLC)	548.28	135.95	-260.07	-260.07	
104-420-16	#10516 (RED HOUSE MEATS LLC)	66.21	19.86	-24.11	-28.83	
104-420-17	#10516 (RED HOUSE MEATS LLC)	15.08	4.89	-4.72		
104-011-43	#10521 (RIO BRAVO LAND CO LLC)	345.68	96.65	-140.78	-435.37	
104-011-45	#10521 (RIO BRAVO LAND CO LLC)	73.29	19.65	-31.63		
104-011-46	#10521 (RIO BRAVO LAND CO LLC)	68.00	17.86	-30.14		
104-071-02	#10521 (RIO BRAVO LAND CO LLC)	305.97	77.25	-142.20		
104-071-22	#10521 (RIO BRAVO LAND CO LLC)	203.87	53.42	-90.62		

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104-030-10	#10538 (ROMANCE JOSEPH P)	104.44	36.18	-27.74	-194.50	
104-030-11	#10538 (ROMANCE JOSEPH P)	367.12	116.49	-120.16		
104-080-19	#10539 (ROMANCE JOSEPH P & PAMALA)	127.54	38.18	-46.59		
104-060-28	#11044 (B&E ROMANINI INVESTMENTS LP)	127.59	38.18	-46.65	-118.86	
104-080-01	#11044 (B&E ROMANINI INVESTMENTS LP)	44.37	28.42	15.88		
104-080-11	#11044 (B&E ROMANINI INVESTMENTS LP)	176.65	58.64	-52.33		
104-080-12	#11044 (B&E ROMANINI INVESTMENTS LP)	62.07	29.33	0.11		
463-051-13	#11044 (B&E ROMANINI INVS LTD PTP)	137.06	47.73	-35.87		
104-060-59	#10541 (ROMANINI FAMILY L P)	918.22	237.33	-415.08	-415.08	
104-030-03	#10543 (ROMANINI MARK V)	137.24	37.04	-58.72	-58.72	
104-240-18	#10550 (ROSEDALE KERN PROP LLC)	224.33	306.33	425.09	425.09	425.09
104-060-02	#10559 (RTS ORCHARDS LLC)	158.33	40.00	-73.53	-276.72	
104-060-03	#10559 (RTS ORCHARDS LLC)	78.71	20.00	-36.31		
104-060-41	#10559 (RTS ORCHARDS LLC)	76.43	20.00	-34.03		
407-112-07	#10559 (RTS ORCHARDS LLC)	300.53	79.09	-132.86		
104-030-31	#10571 (SANDRIDGE PARTNERS L P)	130.68	39.09	-47.81	-101.74	
104-030-32	#10571 (SANDRIDGE PARTNERS L P)	138.73	40.00	-53.93		
463-170-28	#10574 (SARKIS NADIM)	32.50	28.65	28.24	28.24	28.24
104-080-05	#10579 (SCHWEIKART JACK REV TR)	393.79	117.59	-144.50	-264.42	
104-250-27	#10579 (SCHWEIKART JACK REV TR)	415.83	139.58	-119.92		
104-250-26	#10580 (SCHWEIKART MICHAEL J)	49.99	20.08	-7.42	-7.42	
463-080-02	#10582 (SCOTT BUZZ FAMILY SURVIVORS TRUST)	10.82	10.00	10.38	10.38	10.38
407-320-01	#10601 (SLIVKOFF BETTY VALOV)	20.22	19.56	21.25	21.25	21.25
103-170-03	#10605 (SMITH JUDITH A)	11.86	20.00	30.54	30.54	30.54
103-180-06	#10606 (SNOW CHRISTINA LAREE)	106.79	40.00	-21.99	-21.99	
408-121-10	#10617 (STOCKDALE PALM LP)	65.16	20.14	-22.46	-173.58	
408-121-11	#10617 (STOCKDALE PALM LP)	63.65	20.14	-20.95		
408-121-12	#10617 (STOCKDALE PALM LP)	63.97	20.14	-21.27		
408-121-13	#10617 (STOCKDALE PALM LP)	60.25	20.14	-17.55		
408-121-15	#10617 (STOCKDALE PALM LP)	60.40	19.69	-18.66		
408-121-16	#10617 (STOCKDALE PALM LP)	60.48	19.69	-18.74		
408-121-17	#10617 (STOCKDALE PALM LP)	62.42	19.69	-20.68		
408-250-47	#10617 (STOCKDALE PALM LP)	150.24	52.30	-39.36		
463-051-03	#10617 (STOCKDALE PALM LP)	76.61	39.09	6.26		
463-051-20	#10617 (STOCKDALE PALM LP)	20.40	9.54	-0.17		
104-011-44	#10633 (TEXAS MUNICIPAL PLANS CONSORTIUM L L C)	987.94	263.80	-428.69	-428.69	
103-160-04	#10640 (TRACY RANCH INC)	1,680.62	627.86	-349.55	-640.24	
103-160-14	#10640 (TRACY RANCH INC)	166.28	73.93	-9.55		
103-160-15	#10640 (TRACY RANCH INC)	228.88	80.00	-59.28		
103-170-33	#10640 (TRACY RANCH INC)	1,148.66	400.00	-300.66		
104-200-02	#10640 (TRACY RANCH INC)	686.83	319.80	-8.85		
104-260-01	#10640 (TRACY RANCH INC)	1,249.12	640.00	107.68		
104-260-14	#10640 (TRACY RANCH INC)	528.83	240.00	-20.03		
408-250-01	#10641 (TRAVEL CRUISE CONNECTIONS INC)	167.48	78.18	-1.73	-1.73	
463-051-14	#10649 (UNRUH LLOYD & BARBARA FMLY TR)	233.57	105.00	-10.97	-65.25	
463-150-05	#10650 (UNRUH LLOYD S & BARBARA FMLY TR)	63.11	18.64	-23.59		
463-150-06	#10650 (UNRUH LLOYD S & BARBARA FMLY TR)	72.13	19.55	-30.69		
104-090-02	#10651 (V LIONS HOLDINGS LLC)	657.04	158.18	-321.69	-1,283.78	
104-090-43	#10651 (V LIONS HOLDINGS LLC)	2,438.09	589.37	-1,188.62		
104-292-04	#10651 (V LIONS HOLDINGS LLC)	83.17	71.40	68.20		
463-070-04	#10651 (V LIONS HOLDINGS LLC)	184.58	161.75	158.33		
408-122-08	#10653 (VALOV BROTHERS FARMS LP)	33.48	23.50	16.34	16.34	16.34
463-052-12	#10654 (VAN LEEUWEN HARRIET SURVIVORS TRUST)	129.55	38.18	-48.61	-95.60	
463-052-13	#10654 (VAN LEEUWEN HARRIET SURVIVORS TRUST)	67.92	19.78	-25.98		
463-052-14	#10654 (VAN LEEUWEN HARRIET SURVIVORS TRUST)	59.68	18.24	-21.01		
463-130-05	#10656 (VANARM PROP LLC)	21.37	28.45	38.95	38.95	38.95
464-022-27	(WD PROP LLC)	9.17	9.55	11.08	11.08	11.08
104-060-18	#10682 (WILLIAMS HUGH TIMOTHY)	31.13	15.00	0.67	0.67	0.67
408-121-18	#10695 (WU YING CHIN)	113.09	38.57	-31.32	-91.29	
408-121-19	#10695 (WU YING CHIN)	143.63	39.46	-59.97		
103-170-12	#10702 (YU LI HSIA YANG)	37.09	35.42	38.00	56.10	56.10



Kern County Assessor Parcel Number	RRBWS Water Platform Account Number (Owner Name per Kern County Assessor)	Estimated 2022 Total Water Usage (AF) (1)	Kern County Assessed Acres (2)	Estimated Parcel Water Supply vs Use (AF) (3)	Estimated Total Account Water Supply vs Use (AF) (4)	Potential Supplies in Excess of Use (AF) (5)
103-170-14	#10702 (YU LI HSIA YANG)	24.30	20.00	18.10		
103-170-07	#10711 (TORRES CLEMENTE)	20.42	37.33	58.72	58.72	58.72
408-121-20	#10715 (HUANG FAMILY REVOCABLE LIVING TRUST)	132.65	39.82	-48.23	-98.44	
408-121-21	#10715 (HUANG FAMILY REVOCABLE LIVING TRUST)	134.71	39.86	-50.20		
463-150-09	(WEGIS ROAD PARTNERS LLC)	26.23	32.18	41.99	41.99	41.99
104-230-13	#10722 (FORSTER ZACHARY RYAN)	19.65	19.62	21.95	21.95	21.95
104-080-43	#10731 (V LIONS OPERATIONS LP)	46.16	19.64	-4.53	-49.55	
104-080-44	#10731 (V LIONS OPERATIONS LP)	51.51	19.64	-9.88		
104-080-45	#10731 (V LIONS OPERATIONS LP)	49.27	18.83	-9.35		
104-080-46	#10731 (V LIONS OPERATIONS LP)	49.67	19.72	-7.86		
104-080-47	#10731 (V LIONS OPERATIONS LP)	101.55	39.44	-17.94		
408-011-66	(JHAJ ESTS LLC)	10.36	10.07	10.99	10.99	10.99
463-160-09	#10749 (DESPAIN FAMILY TRUST)	23.69	18.20	14.89	14.89	14.89
104-250-29	#10759 (MC CASLIN RIVER RANCH LLC)	238.85	80.00	-69.25	-69.25	
103-010-38	#10762 (ESPARZA JOSE ROLANDO)	19.07	19.56	22.40	22.40	22.40
104-090-01	#10768 (SILL PROP INC)	313.60	160.00	25.60	25.60	25.60
463-052-09	#10769 (BELLARISSA LLC)	98.47	57.73	23.92	23.92	23.92
408-250-15	#10778 (MFDI LLC)	9.23	9.95	11.86	11.86	11.86
104-060-48	#10785 (ABSAR & MCLANE LLC)	25.77	20.02	16.67	16.67	16.67
104-011-12	#10792 (ZIMMERER BERNARD LIFE INSURANCE SUBTRUST)	41.47	40.00	43.33	43.33	43.33
103-110-05	#10795 (J G BOSWELL CO)	112.29	40.00	-27.49	-245.01	
103-110-06	#10795 (J G BOSWELL CO)	100.75	38.59	-18.94		
103-150-01	#10795 (J G BOSWELL CO)	323.31	153.30	1.68		
103-150-04	#10795 (J G BOSWELL CO)	450.57	160.00	-111.37		
103-150-23	#10795 (J G BOSWELL CO)	400.29	146.88	-88.91		
408-122-14	#10803 (STEWART KAMERON LIVING TRUST)	20.21	10.08	1.16	1.16	1.16
463-052-17	#10804 (OVANESSIAN LORI TRUST)	21.83	19.76	20.06	20.06	20.06
103-150-05	#10806 (BARNES EARL K & CAROLYN M)	35.74	63.68	99.26	144.95	144.95
103-150-19	#10806 (BARNES EARL K & CAROLYN M)	15.78	29.00	45.70		
104-210-08	#10814 (MC CASLIN HOME RANCH LP)	150.91	38.18	-69.96	-360.57	
104-210-13	#10814 (MC CASLIN HOME RANCH LP)	98.26	26.09	-42.95		
104-210-17	#10814 (MC CASLIN HOME RANCH LP)	18.50	5.00	-7.90		
104-210-24	#10814 (MC CASLIN HOME RANCH LP)	16.52	5.00	-5.92		
104-210-30	#10814 (MC CASLIN HOME RANCH LP)	16.33	5.00	-5.73		
104-210-32	#10814 (MC CASLIN HOME RANCH LP)	18.15	5.00	-7.55		
104-210-36	#10814 (MC CASLIN HOME RANCH LP)	145.56	40.00	-60.76		
104-210-37	#10814 (MC CASLIN HOME RANCH LP)	105.16	32.93	-35.35		
104-210-38	#10814 (MC CASLIN HOME RANCH LP)	65.00	57.24	56.35		
104-250-02	#10814 (MC CASLIN HOME RANCH LP)	269.47	79.09	-101.80		
104-250-03	#10814 (MC CASLIN HOME RANCH LP)	246.68	79.09	-79.01		
407-120-04	#10817 (LAUT FARMS LLC)	12.24	10.42	9.85	9.85	9.85
103-270-07	#10829 (AJB LAND LLC)	443.09	142.20	-141.63	-448.08	
104-260-09	#10829 (AJB LAND LLC)	46.57	18.35	-7.67		
104-260-15	#10829 (AJB LAND LLC)	54.12	18.35	-15.21		
104-270-01	#10829 (AJB LAND LLC)	954.95	320.00	-276.55		
104-270-06	#10829 (AJB LAND LLC)	688.15	321.29	-7.02		
104-270-10	#10832 (ONE HERITAGE PROP LLC)	106.84	201.17	319.64	319.64	319.64
104-210-01	#10835 (MC CASLIN SP RANCH LP)	501.30	157.00	-168.46	-703.34	
104-210-02	#10835 (MC CASLIN SP RANCH LP)	1,546.11	477.00	-534.87		
104-230-04	#10843 (JGF ORCHARDS LLC)	106.86	49.85	-1.18	-1.18	
104-230-02	#10856 (RIZZO EUGENE D)	177.06	49.85	-71.38	-71.38	
104-060-06	#10863 (VEENHOVEN WILLEM & ALIDA FAMILY TRUST)	154.93	49.09	-50.86	-94.36	
104-060-07	#10742 (VEENHOVEN WILLEM & ALIDA FAMILY TR)	28.66	10.00	-7.46		
104-060-08	#10863 (VEENHOVEN WILLEM & ALIDA FAMILY TRUST)	30.24	10.00	-9.04		
104-060-17	#10863 (VEENHOVEN WILLEM & ALIDA FAMILY TRUST)	61.14	20.00	-18.74		
104-060-19	#10863 (VEENHOVEN WILLEM & ALIDA FAMILY TRUST)	29.46	10.00	-8.26		
104-030-33	#10870 (BRUNNI STEVEN & PAMELA FAMILY TRUST)	132.42	39.83	-47.98	-47.98	
408-122-12	#10871 (STEWART ROBB & HOPE LIV TR)	17.17	7.79	-0.65	-3.39	
408-122-53	#10871 (STEWART ROBB & HOPE LIV TR)	30.58	13.13	-2.74		
408-122-44	#10876 (MUNGER DIWAN K & GABRIELLE A)	19.78	19.69	21.96	21.96	21.96
408-122-05	#11090 (STEWART LIVING TRUST)	60.48	19.34	-19.48	-30.12	

Kern County Assessor Parcel Number	RRBWS Water Platform Account Number (Owner Name per Kern County Assessor)	Estimated 2022 Total Water Usage (AF) (1)	Kern County Assessed Acres (2)	Estimated Parcel Water Supply vs Use (AF) (3)	Estimated Total Account Water Supply vs Use (AF) (4)	Potential Supplies in Excess of Use (AF) (5)
408-122-07	#11090 (STEWART LIVING TRUST)	40.07	13.88	-10.64		
104-040-02	#11132 (AINHOA LAND HOLDINGS LP)	105.27	37.00	-26.83	-202.00	
104-040-03	#11132 (AINHOA LAND HOLDINGS LP)	56.05	20.00	-13.65		
104-040-05	#11132 (AINHOA LAND HOLDINGS LP)	94.15	36.98	-15.75		
104-040-12	#11132 (AINHOA LAND HOLDINGS LP)	239.68	80.00	-70.08		
104-040-13	#11132 (AINHOA LAND HOLDINGS LP)	59.72	20.00	-17.32		
104-040-22	#11132 (AINHOA LAND HOLDINGS LP)	218.17	75.38	-58.36		
104-292-07	#11179 (G & R PROPERTIES)	144.07	47.54	-43.28	-189.89	
104-292-10	#11179 (G & R PROPERTIES)	145.75	49.17	-41.51		
104-292-11	#11179 (G & R PROPERTIES)	231.20	69.29	-84.30		
408-122-43	#11179 (G & R PROPERTIES)	94.55	34.79	-20.80		
104-080-36	(COUNTRYSIDE FARMS LLC)	107.90	36.83	-29.82	-29.82	
104-292-32	(ENOS LANE PROP LLC)	32.04	9.61	-11.67	-11.67	
495-050-02	(KIRPA PROPERTIES LLC)	5.83	9.86	15.08	15.08	15.08
104-292-02	(SAGE CREEK RANCH LLC)	356.36	164.47	-7.69	-7.69	
408-070-01	(SHAFFER DANNY)	65.32	17.19	-28.88	-58.78	
408-070-31	(SHAFFER DANNY)	67.64	17.80	-29.90		
TOTALS		87,156.96	32,410.12	-18,447.50		5,383.16
				Estimated Total Water Supply versus Use (6) =	18,400 AF	
				Assuming 15% of Potential Supplies in Excess of Use are not acquired (7) =	800 AF	
				Estimated Demand Subject to Water Charge =	19,200 AF	
<u>Column Notes:</u> (1) Estimated Water Usage for 2022 from RRBWS Water Accounting Platform (based on OpenET) or estimated based on similar usage for parcels not currently on Water Accounting Platform and reduced by: 10% for conversion to LandIQ ET and 5% for implementation of Water Charge.						
(2) Parcel assessed acres per Kern County Assessor.						
(3) Parcel water supply versus use calculated as Historically Available Supplies times Assessed Acres less Estimated Water Usage [(2.12 AF/Acre X Column 2) - (Column 1)].						
(4) Total of parcel water supply versus use from Column 3 for all parcels in a given account.						
(5) Total water supply versus use for accounts with a positive account balance from Column 4.						
<u>Other Notes:</u> (6) Total of parcel water supply versus use from Column 3 rounded to the nearest hundred acre-feet. Represents 100% acquisition of potential supplies in excess of use.						
(7) Assumes 85% of potential supplies in excess of use are transferred through an in-District water market process (15% are not acquired) rounded to the nearest hundred acre-feet.						

**EXHIBIT B**  
**RESOLUTION NO 536 / ORDINANCE NO 2**  
**ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT**

# Rosedale-Rio Bravo Water Storage District

## Notice of Proposed Water Charge

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In compliance with California state law, a **public hearing will be held on November 14, 2023 at 8:30a.m., at the District's office located at 849 Allen Road, Bakersfield, CA 93314** to consider a proposed volumetric **Water Charge** to be charged for water use on agricultural parcels within the District that is in excess of the amount of available water supplies. The Water Charge would be a new charge in addition to the District's assessment. The need for the Water Charge is driven by Sustainable Groundwater Management Act (SGMA) requirements to manage the underlying groundwater reservoir in a sustainable manner. The Water Charge is being proposed in order to equitably distribute the financial burden of "sustainability" (i.e., balance) to those landowners who require more water than the District's Project provides, in proportion to their respective overages. For information regarding the requirements of SGMA, please see the Department of Water Resources' SGMA webpage:

<https://water.ca.gov/programs/groundwater-management/sgma-groundwater-management>

### Proposed Charges:

The public hearing will concern the District's proposal to implement a volumetric Water Charge. Revenue from the proposed Water Charge will be used on projects to augment water supplies and/or manage demands within the District in order to minimize groundwater overdraft and maintain sustainable groundwater supplies for all of the District's landowners.

**The Water Charge will be imposed on agricultural parcels\* within the District that use water in excess of the amount the District's Project provides, plus Native Yield and Precipitation (collectively "available supply").\*\* The initial maximum water charge rate will be \$256.00 per acre-foot used in excess of available supply.**

The water charge rate will be regularly set by the District's Board of Directors at open and public meetings. The Board's decision will be based on consideration of various financial factors, including the District's projected revenues and expenses as well as land, water, and project construction costs. **The actual amount of the Water Charge rate may vary from time to time. However, absent a subsequent noticed public hearing, the Water Charge rate will not exceed the maximum rate set forth above. In addition, Landowners will be permitted to offset the water charge on a parcel if they own or control other parcels that use less water than the available supply.**

\*The Water Charge would apply to agricultural parcels 9.5 acres or greater in size and those parcels less than 9.5 acres but larger than 4.7 acres that are located adjacent to other parcels owned/controlled by the same landowner and/or collectively developed in irrigated agricultural use.

\*\*The supply available to a landowner before the Water Charge will be imposed is comprised of three components; Project Water, Native Yield and Precipitation. Project Water is determined annually based upon the District's average net water supply available (currently calculated at 1.55 acre-feet per acre based upon a 20 year average; this amount will fluctuate annually based upon the District's prior year's supply). Native Yield refers to the natural, unallocated portion of groundwater recharge to the Kern Subbasin from the July 2022 Kern Groundwater Authority Amended Groundwater Sustainability Plan (currently calculated at .15 acre-feet per acre). Precipitation is based upon the prior year's precipitation (currently calculated at .42 acre-feet based upon average of 2005-2015 precipitation; this amount will fluctuate annually based upon actual precipitation).

**Please see the *Water Charge Study* on the District's website for a more detailed explanation of the information that was used as the basis for determining the maximum amount of the water charge.**

The time for paying the Water Charge will be fixed by the Board under Water Code section 47181, and delinquencies in payment will be subject to the penalties and interest provided for in section 47182. It is expected that the Water Charge will be due annually in May. The District may collect delinquent charges using the procedures set forth in sections 47183 through 47185, or any other procedure lawfully available to the District.

Enclosed with this notice is an example calculation of the Water Charge that would have been imposed on the listed parcels within the District based on the calculated 2022 consumptive use if the proposed Water Charge had been effective in 2022 and set at the maximum rate. The example calculation assumes an available supply of 2.12 acre-feet per year; this number will fluctuate annually based upon the amount of Project Water and Precipitation in the previous year. The Water Charge imposed on those parcels for use in 2023 and subsequent years will be based on updated supply calculations and the estimated consumptive use on the parcels.

**For more information, including the *Water Charge Study* supporting the charge, please visit the District website at [www.rrbwsd.com](http://www.rrbwsd.com). A copy of the *Water Charge Study* may also be obtained directly from the District at the address listed below.**

**Public Hearing:**

Owners of land subject to the proposed Water Charge have the right to protest its adoption. If you have received this notice, parcel(s) under your ownership will be subject to the Water Charge if it is adopted. In the event of a majority protest, the fee will not be adopted. Landowners desiring to protest the proposed Water Charge should send their written protest to:

Secretary of the Board of Directors  
Rosedale-Rio Bravo Water Storage District  
849 Allen Road  
Bakersfield, CA 93314

Protests may also be submitted to the Secretary of the Board of Directors at the Public Hearing. **All protests must be received no later than the close of the public hearing or they will not be counted.**

**If you do not wish to protest the proposed Water Charge, you need not take any action.**

**To Protest:**

All protests must include:

- The identity of each parcel represented by the protest;
- The name of the protester; and,
- A signed statement, containing an original signature, indicating that the writing is a written protest on behalf of the parcel and that the person signing the protest is an owner of the parcel.

Each parcel is entitled to one protest.

For your convenience, you may utilize the enclosed Protest Form.

**NOTICE: Under Government Code section 53759, there is a 120-day statute of limitations for challenging any new, increased, or extended fee or charge subject to that section, including the Water Charge.**

**Rosedale-Rio Bravo Water Storage District  
Protest Form to the Adoption of Proposed Water Charge**

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**Landowner Printed Name:**

**Number of Parcels:**

**Assessor's Parcel Number(s):**


(Add Additional Parcels on Separate Sheet if Necessary)

**Reason for Protest (optional):**

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**As owner of the parcels listed above, I protest the imposition of the proposed Water Charge.**

**Landowner Signature:** \_\_\_\_\_

**Printed Name:** \_\_\_\_\_

**EXHIBIT C**  
**RESOLUTION NO 536 / ORDINANCE NO 2**  
**ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT**

# Proof of Publication

(2015.5 C.C.P.)

Summary of Proposed Ordinance and Notice of Protest Hearing on Water Charge  
ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT

STATE OF CALIFORNIA  
County of Kern - ss

I, the undersigned, am a citizen of the United States and a resident of the County aforesaid; I am over the age of eighteen years, and not a party to or interested in the above entitled matter. I am the chief clerk/publisher of **The Daily Report**, a newspaper of general circulation, printed and published Monday through Saturday, in the City of Bakersfield, County of Kern, State of California. **The Daily Report** was adjudicated a newspaper of general circulation on August 18, 1913 in the Superior Court of the County of Kern, Case No. 8685. The notice, of which the annexed is a printed copy, has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to-wit:

November 1, 2023

I certify under penalty of perjury that the foregoing is true and correct.

.....*Karen Flick*.....  
.....

Signature

Date: November 1, 2023

**ROSEDALE-RIO BRAVO  
WATER STORAGE DISTRICT  
SUMMARY OF PROPOSED ORDINANCE  
AND NOTICE OF PROTEST HEARING ON  
WATER CHARGE**

NOTICE IS HEREBY GIVEN, that on November 14, 2023, commencing at 8:30 a.m., or as soon thereafter as the matter may be heard at the District office, located at 849 Allen Road, Bakersfield, California 93314, the Board of Directors of the Rosedale-Rio Bravo Water Storage District will conduct a protest hearing in order to consider protests to a proposed water charge. Comments or protests should be directed to the District at 849 Allen Road, Bakersfield, California 93314 and must be received by the close of the protest hearing. At the meeting, the Board will consider an ordinance adopting a water charge. A summary of the ordinance is as follows: The ordinance will establish a new volumetric charge for water use on agricultural parcels within the District that is in excess of the amount of available water supplies. The ordinance will also set the maximum rate of the water charge. The meeting may be attended by members of the public; details for participation may be obtained by contacting the District at (661) 589-6045. A copy of the rate study supporting the water charge and the maximum rate, as well as other information relating to the protest hearing and the water charge, can be obtained from the District and is available at [www.rrbwsd.com](http://www.rrbwsd.com). A copy of the full text of the ordinance is also available at the District office.  
(21392)—Nov 1, 2023

**THE DAILY REPORT**  
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FAX (661) 322-9084  
*Kern County's Legal Newspaper*

TDR#2023-21392



**EXHIBIT D**  
**RESOLUTION NO 536 / ORDINANCE NO 2**  
**ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT**

## **ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT**

### **WATER CHARGE POLICIES**

**ADOPTED NOVEMBER 14, 2023**

#### DEFINITIONS

- Farming Unit – A group of APN’s within RRBWSD that are zoned/used for agricultural purposes and are grouped together by a landowner (by ownership or contract) for the benefit of combining the water supply (Project Water and Native Yield) for Water Charge purposes within the District water budget accounting platform.
- Demand – The amount of consumptive-use (total evapotranspiration) from a Farming Unit as calculated by the District’s technical services provider, currently LandIQ. No manual adjustments by staff will be made. Demand on lands used for Landowner Banking Programs will not be included.
- Precipitation – Precipitation is based upon the prior year’s precipitation (currently calculated at .42 acre-feet based upon average of 2005 – 2015 precipitation). This amount will fluctuate annually based upon actual precipitation. Precipitation will not be transferable to other lands and will only apply to the land(s) on which it fell.
- Native Yield – The amount of “native” groundwater available to a landowner for overlying use within a Farming Unit. Rosedale’s initial estimate of Native Yield is 0.15 AF/Acre and may be revised in the future as studies are completed; coordination with other GSA’s in the basin on the development/refinement of native yield is expected.
- Project Water – The amount of available surface water supplies that have been recharged by Rosedale into the groundwater basin for the benefit of its landowners. The amount is determined by taking the average annual net recharge attributable to the Rosedale Project, less 3<sup>rd</sup> party obligations, over a running 20-year period. Project Water is allocated proportional to acreage within Rosedale. Project Water must be utilized within the calendar year it is allocated and will not be carried over to future years.
- Stored Water - The amount of water supplies that have been accounted to Rosedale within the groundwater basin for the benefit of specific landowner(s) by agreement with Rosedale. Stored Water is generally either landowner supplies that were recharged in District facilities or District supplies that were recharged in landowner facilities.
- Water Charge Acreage Size – The Water Charge will apply to agricultural parcels 9.5 acres or greater in size and those parcels less than 9.5 acres but larger than 4.7 acres (nominal 5- acre parcels) when located adjacent to other parcels owned/controlled by the same landowner and/or collectively developed to irrigated agricultural use.
- Water Charge Quantity – The amount of consumptive-use above the allowable water supply (Precipitation, Native Yield, Project Water, and Stored Water) that will be subject to the Water Charge Rate.

- Water Charge Rate – The rate adopted by the Rosedale Board of Directors each year is developed by calculating the projected expenses applicable to the Water Charge divided by the projected annual demand subject to the estimated Water Charge Quantity. The maximum rate will be set through a rate study and protest hearing.

## FARMING UNITS

Annually, the District will initially group APN's into a Farming Unit within the District water budget accounting platform by name for all parcels that are listed as owned under the same exact name as determined by the Kern County Assessor's tax roll. APN's may be added to a Farming Unit for the benefit of combining the water supply (Project Water, Stored Water, and Native Yield) with notice to Rosedale. APN's to be added should be submitted by November 30 for the upcoming calendar year for ease of administration. Changes will be allowed throughout the year and up until March 15 of the following calendar year. Both landowners must submit written notification to Rosedale regarding any Farming Unit changes.

## WATER CHARGE CALCULATION

Water Charge Quantity will be determined utilizing the following calculation:

Water Charge Quantity =

Demand (Consumptive Use) – Precipitation – Native Yield – Project Water – Stored Water\*

\*The amount of stored water used in a particular year will be subject to the discretion of the landowner in accordance with the landowner's agreement with the District.

Water Charge Rate =

Water Charge Quantity x Water Charge Rate

## WATER MARKET AND TRANSFERS

The District will provide the Final Water Charge Quantities for the calendar year (January 1 through December 31) on or around February 15<sup>th</sup> of the following year. By no later than March 15<sup>th</sup>, each Farming Unit may transfer APN's or Project Water for the applicable water year to and from other Farming Units with written notice to the District. The District will need to receive written verification of each transaction, including signatures/acknowledgements from both Farming Units, prior to March 15<sup>th</sup>.

The District will move the Project Water between Farming Unit accounts and prepare Water Charge Quantity Invoices, which will be sent to all applicable Farming Units by April 15.

Project Water may only be utilized within the calendar year it is provided and may not be transferred or carried over for future year use. Project Water may only be transferred within District boundaries and will not be allowed to be transferred to undistricted lands (i.e., "White Lands") or to any other property outside of District boundaries. Stored Water may only be transferred consistent with the conditions of the applicable Board policy terms and/or agreements with the District.

## WATER BUDGET ACCOUNTING PLATFORM

The District water budget accounting platform provides all landowners and/or Farming Units with access to their water supply and total demand. Consumptive use demand metrics are uploaded to the platform monthly and reflect the preceding month's demand data. By way of example, May demand will be uploaded by the end of June.

Landowners and Farming Units can track all APN and supply changes through this system as they happen and when they occur. The District will send alerts/statements to Farming Units periodically to the email addresses associated with each individual account. Landowners may contact the District at any time with questions or to request changes to the accounting platform accounts.

## PAYMENT TERMS

On approximately May 15, Water Charge invoices will be due following the previous Water Charge calendar year. Delinquent invoices will be assessed a 10% penalty and bear interest at 12% a year. At each June Board Meeting, the Board will consider delinquencies (if any) and choose one of the following actions:

1. Record a list of delinquencies, which will become a lien on the listed APN's; or
2. Bring suit against the delinquent landowner(s) to collect.

## APPEAL PROCESS

Following issuance of the Water Charge invoices in April, a Farming Unit will have 30 days to submit a written protest. Staff will review the protest and information provided and other gathered information and make a recommendation to the Board at a public Board meeting; the landowner will be provided the opportunity to present relevant facts to the Board. The District Board will review and consider all data, evidence and Staff recommendations and make a final decision regarding the protest. Following the Board's recommendation and final decision, landowner will have a period of 30 days to submit final payment or be subject to the delinquency assessment for unpaid Water Charge invoices.

Average SGMA Well (RMW) GW Change (ft.)			
01/01/2023 --> 11/01/2023		10/01/2023 --> 11/01/2023	
Cauzza	4.3		6.0
Section 18	2.8		8
Chet Reed	-4.6		-0.2
P Enns Domestic	-12.4		-1.2
RBG School	-8.5		-2.3
LR Stout	-5.2		-1.7
Bushne II	6.4		7.4
Parsons	7.8		7.8
Blacco HQ	-8.4		-1.8
Home Place	2.4		3.3
Harvest Ranch	1.3		4.9
Virgil Busse II	8.4		5.4
West I-5	13.1		7.5
27N Mayer	18.9		10.6
35H RRBWSD Shop	33.8		2.3
31H Greeley	53.7		12.9
25M Enos	59.8		14.7
32N	9.2		1.9
28J	-0.6		0.8
average	9.6 ft.		4.5 ft.
Max	59.8 25M Enos		14.7 25M Enos
Min	-12.4 P Enns Domestic		-2.3 RBG School

## WELCOME TO ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT

Rosedale-Rio Bravo Water Storage District was formed in 1959 to replenish the groundwater pumped by its overlying users. This important task is accomplished through the importation and recharge of surface water into the groundwater aquifer. To recharge groundwater, Rosedale utilizes a series of canals, wells, pipelines, and ponds to provide sustainable groundwater access for its landowners.



### BOARD MEETING

[Next Meeting Agenda](#)

### NEWS & UPDATES

[Notice of Proposed Water Charge](#)

[Water Charge Rate Study](#)

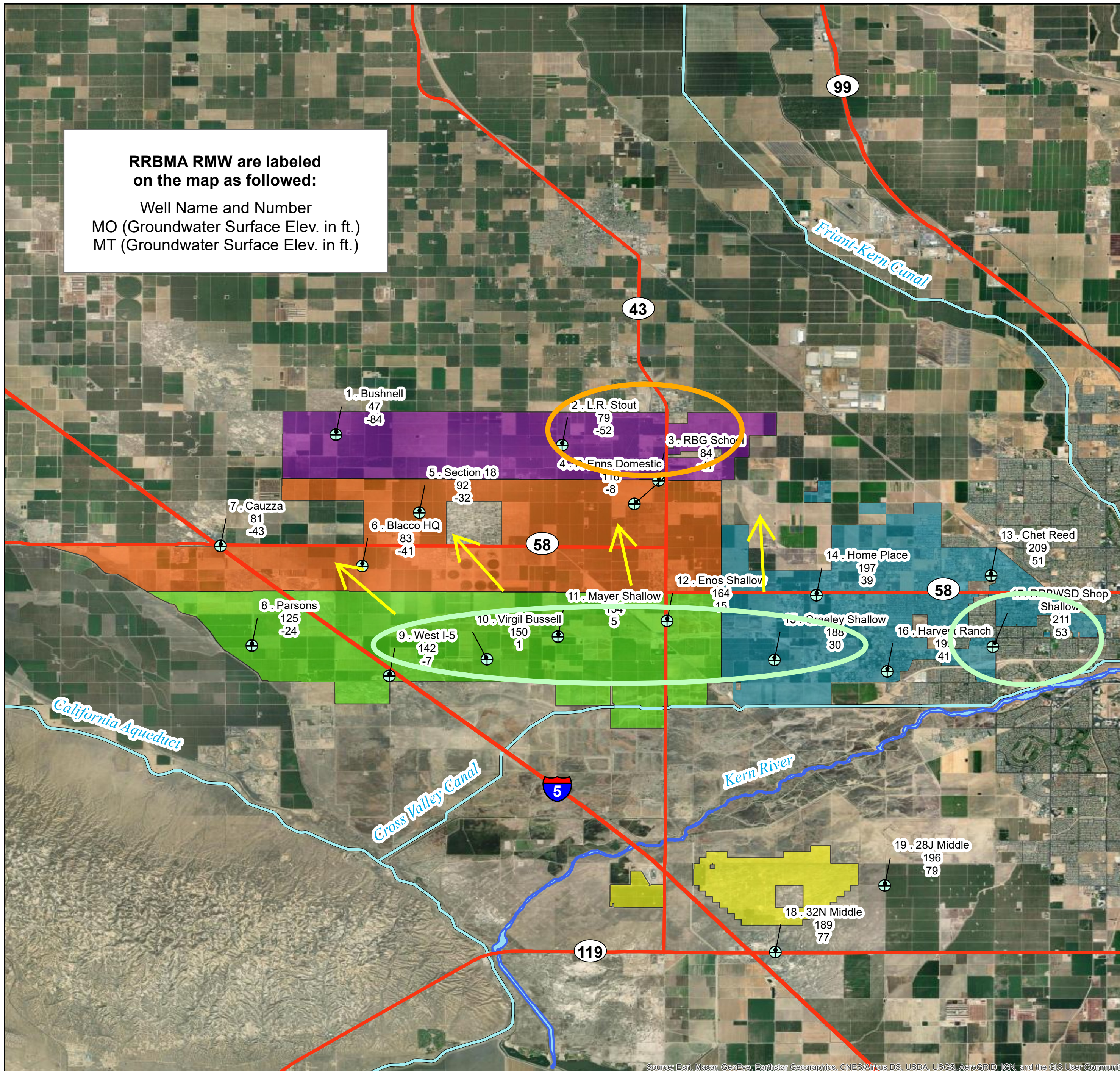
[August 2023 - Notice of Intent to Amend](#)

[VIDEO: How to find Depth to Water Data](#)





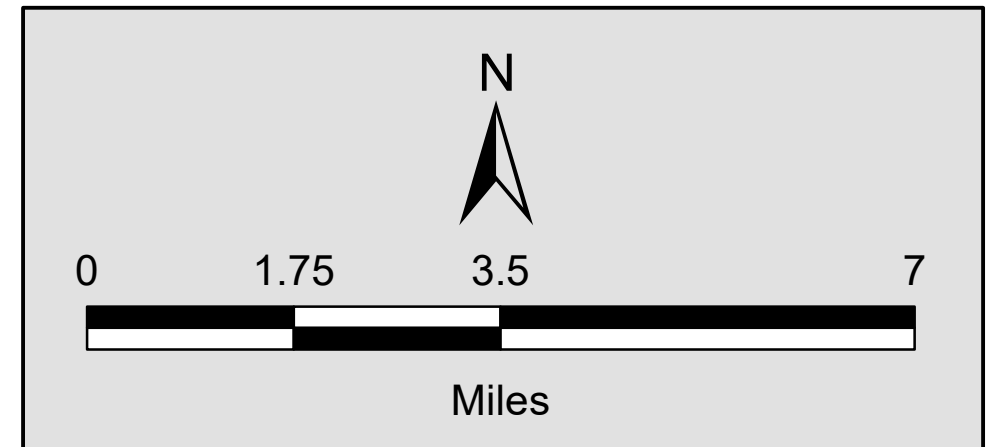
# RRBMA Monitoring Areas - RMW Water Level MOs and MTs



**Legend**

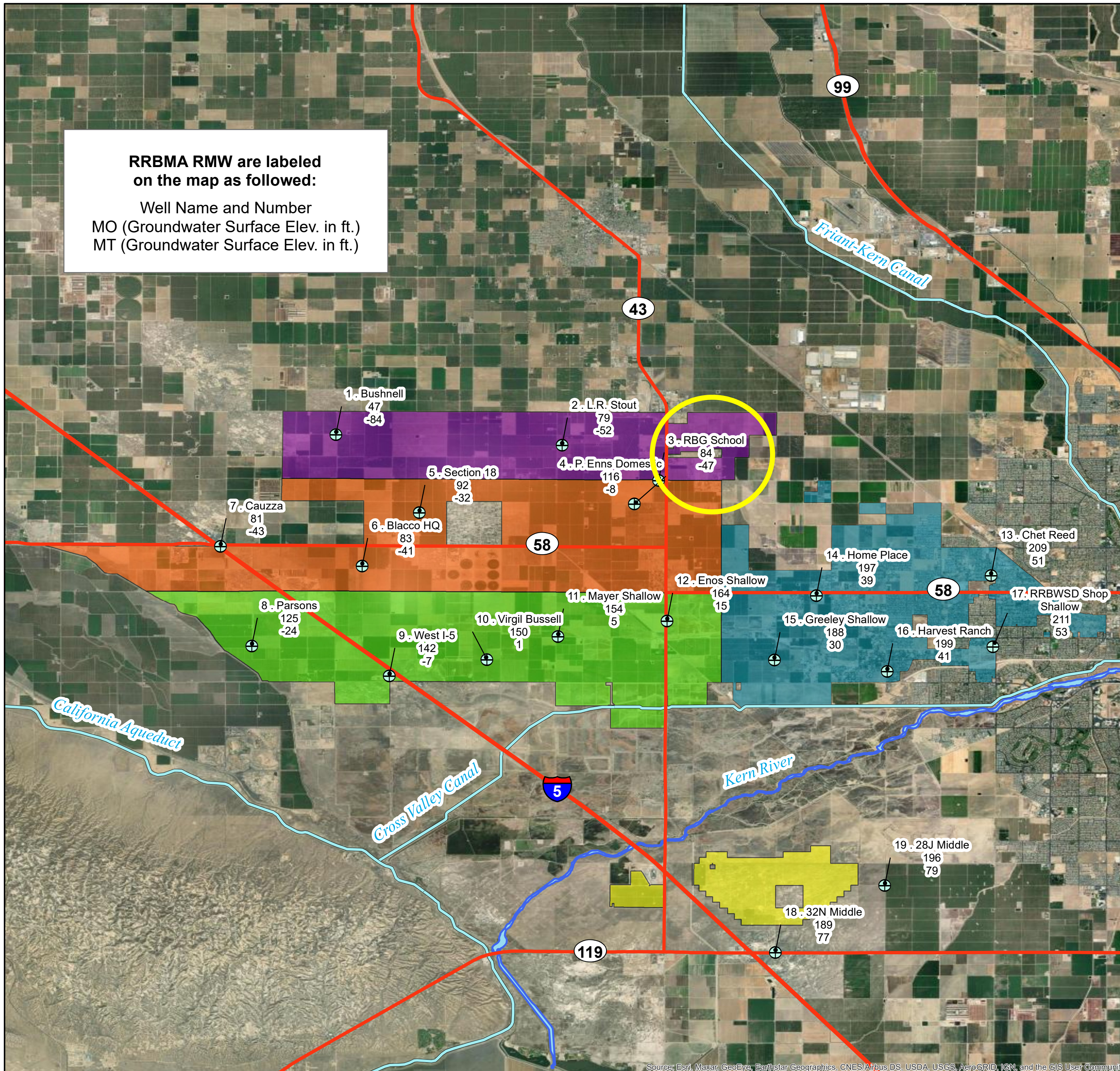
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- Kern River
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- South of the River Monitoring Area

*RMW = Representative Monitoring Well  
 MO = Measurable Objective  
 MT = Minimum Threshold*





# RRBMA Monitoring Areas - RMW Water Level MOs and MTs



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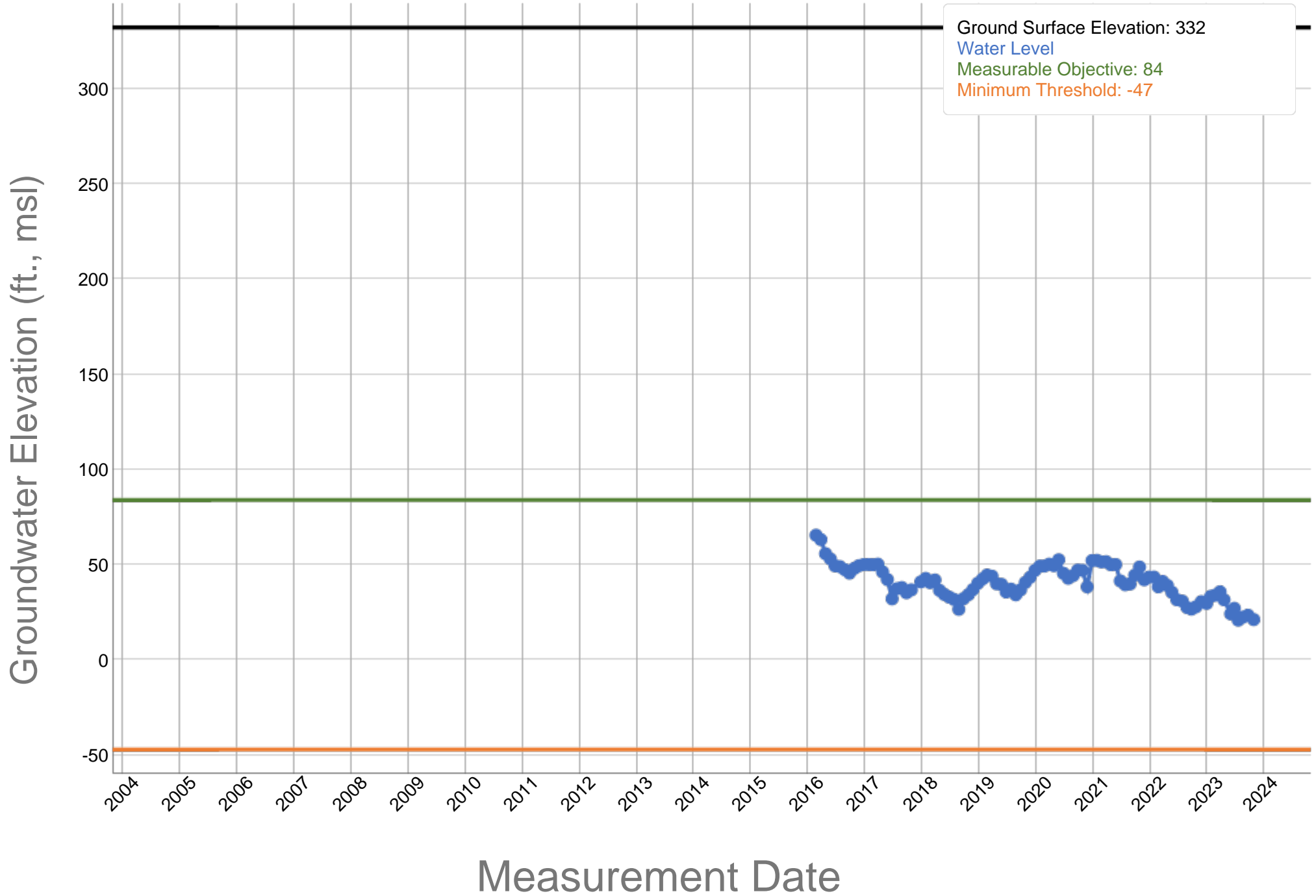
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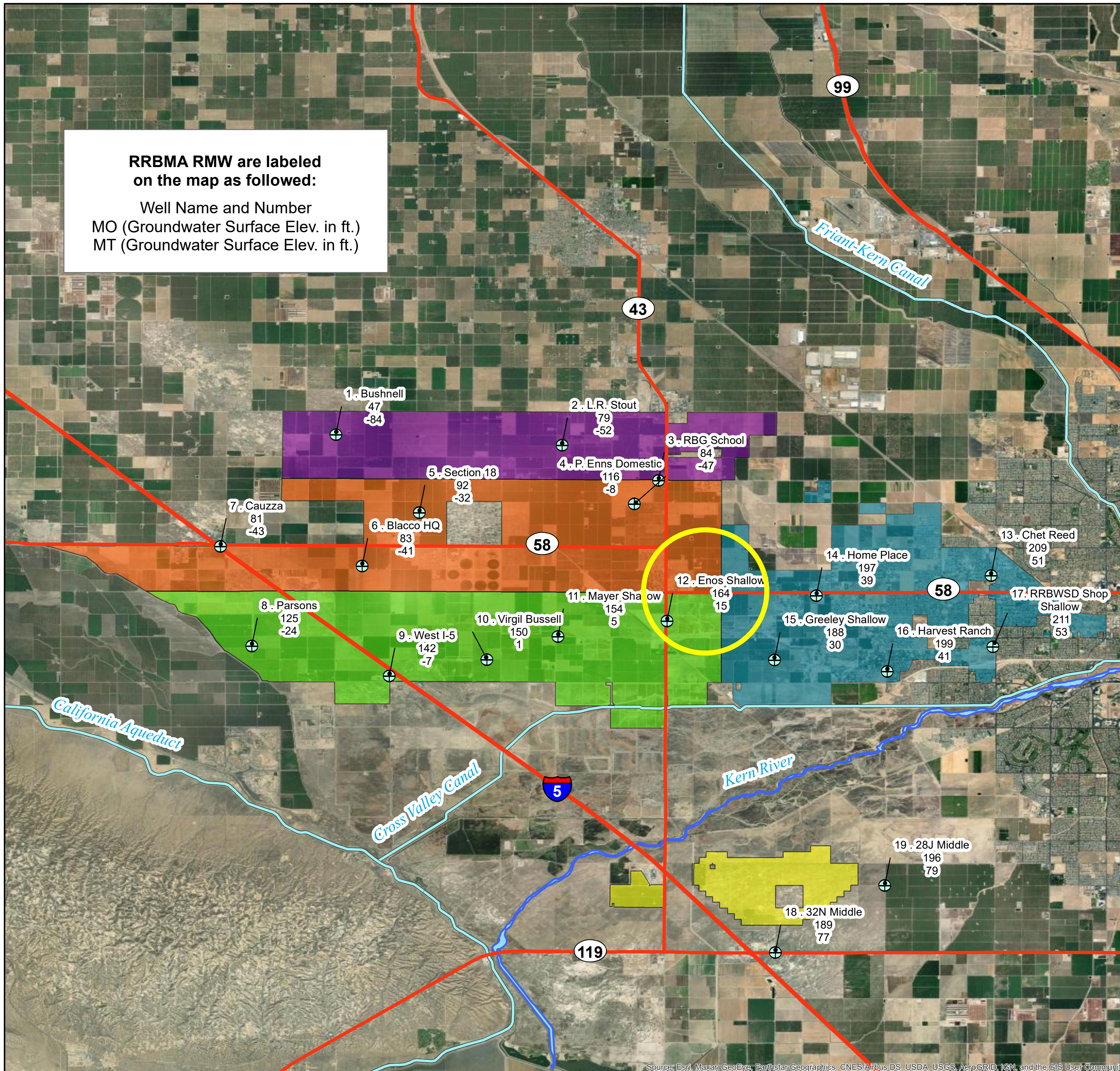


# Rosedale-Rio Bravo GSA - RBG School - 354197N1192544W001





# RRBMA Monitoring Areas - RMW Water Level MOs and MTs



**Legend**

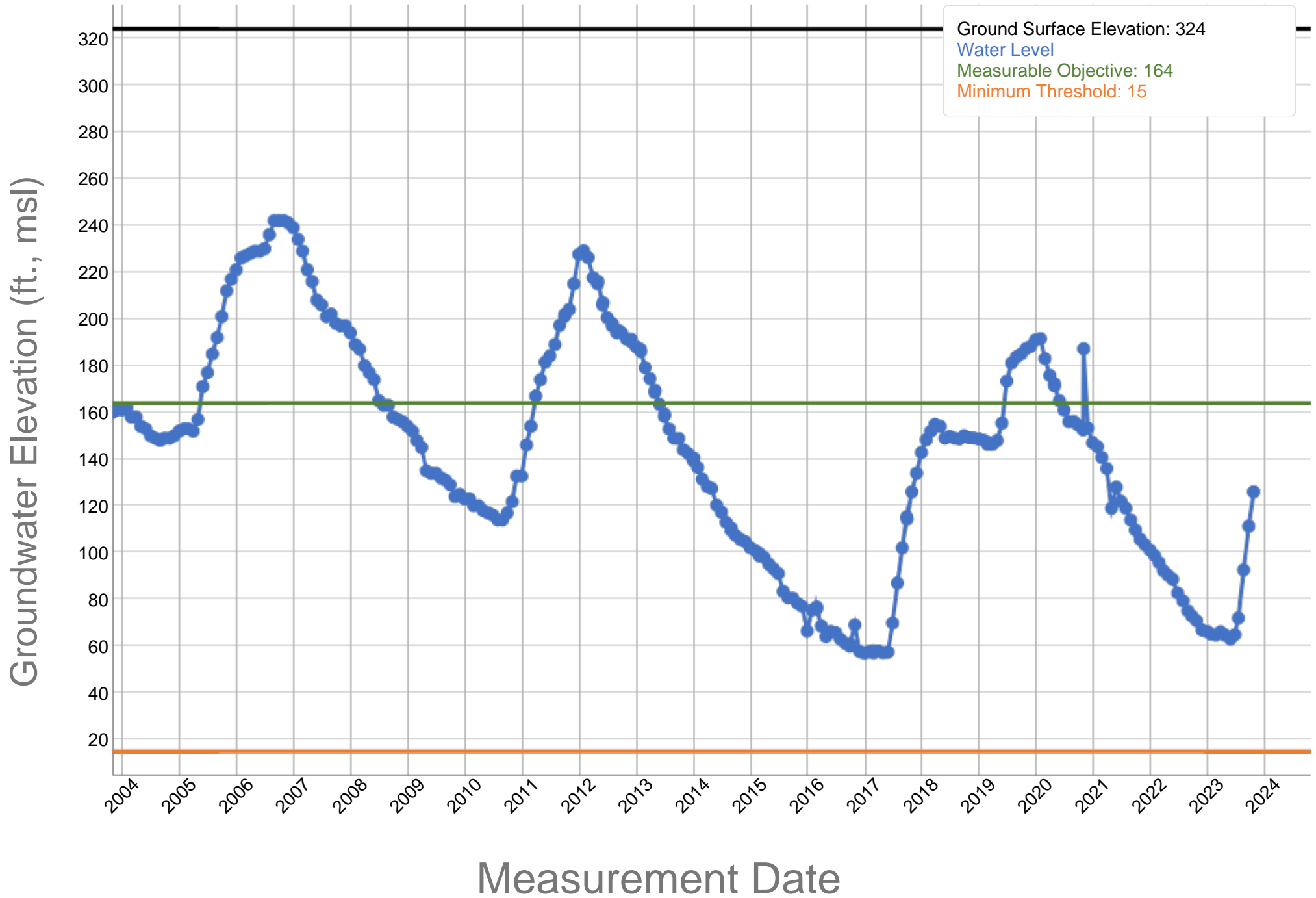
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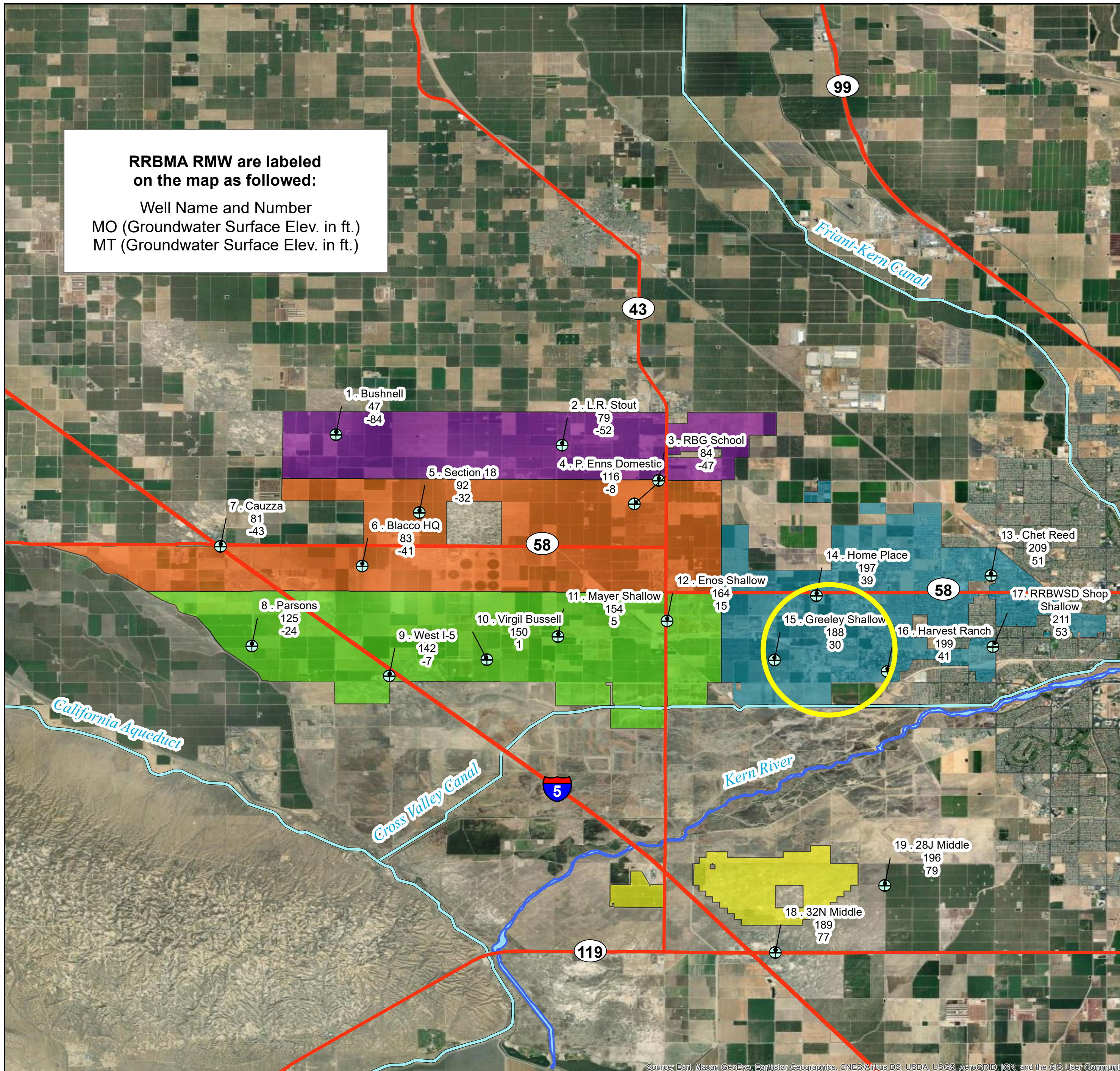


# Rosedale-Rio Bravo Water Storage District - 25M Enos - 353760N1192498W002





# RRBMA Monitoring Areas - RMW Water Level MOs and MTs



**Legend**

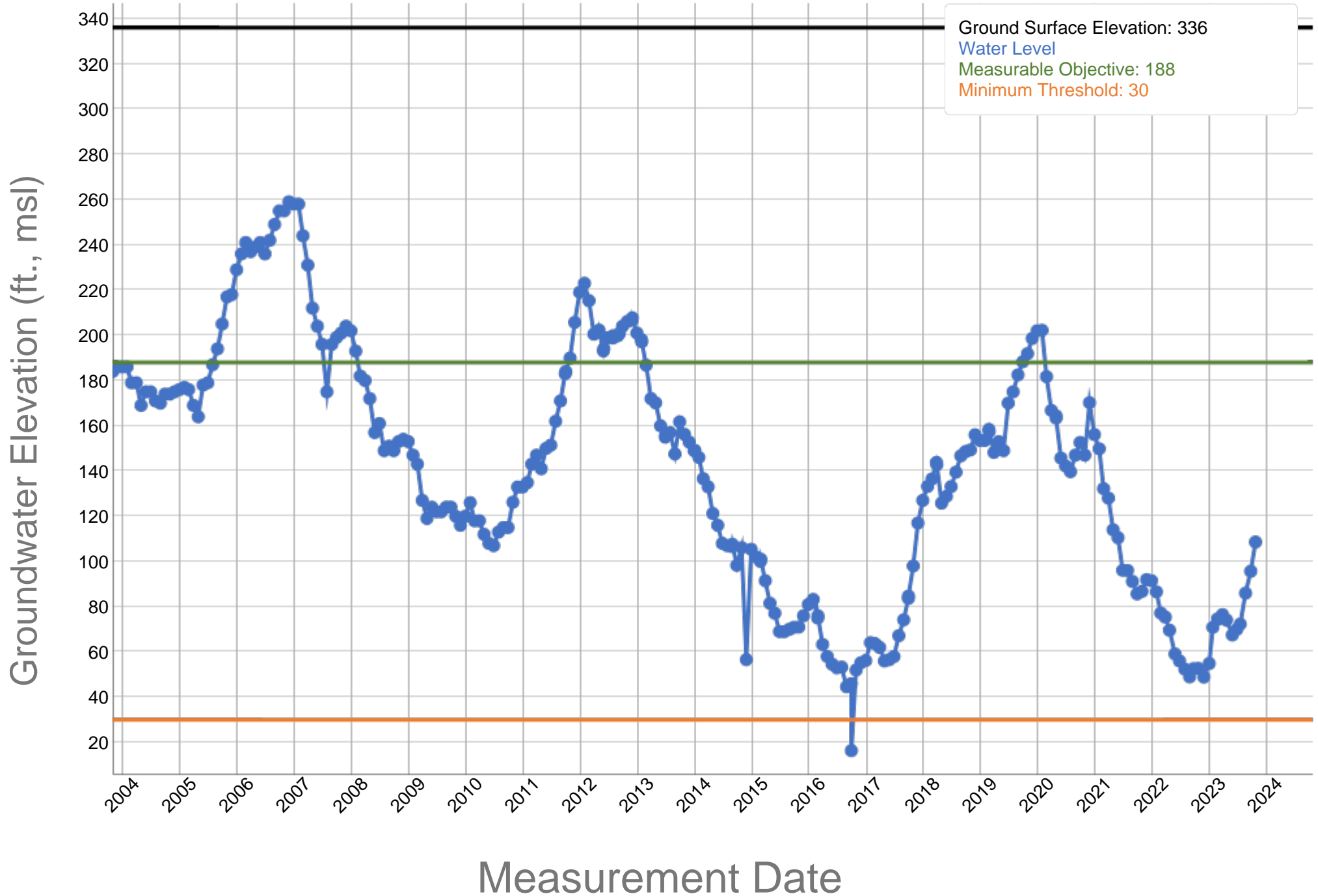
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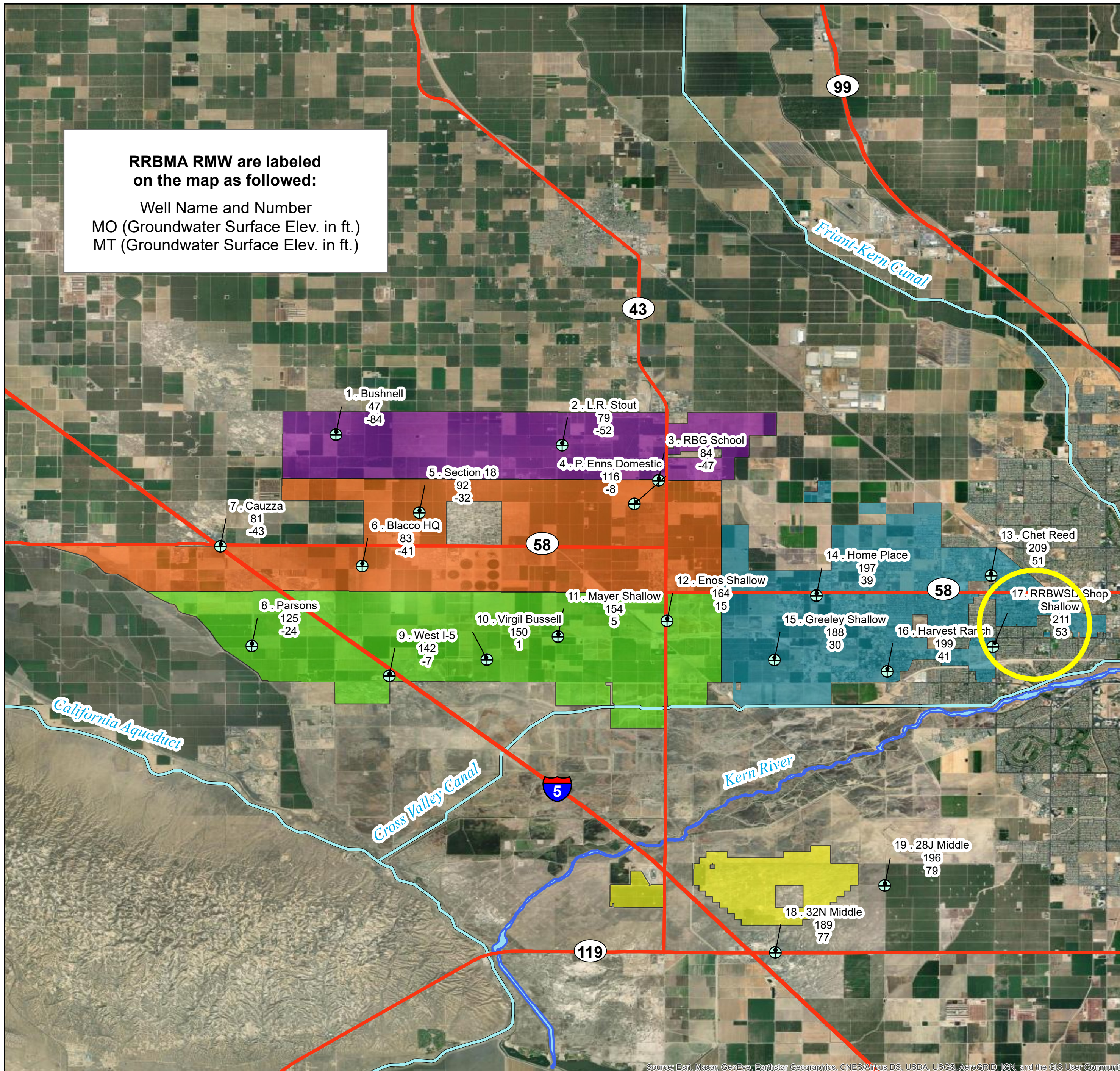


# Rosedale-Rio Bravo Water Storage District - 31H Greeley - 353618N1192169W001





# RRBMA Monitoring Areas - RMW Water Level MOs and MTs



**Legend**

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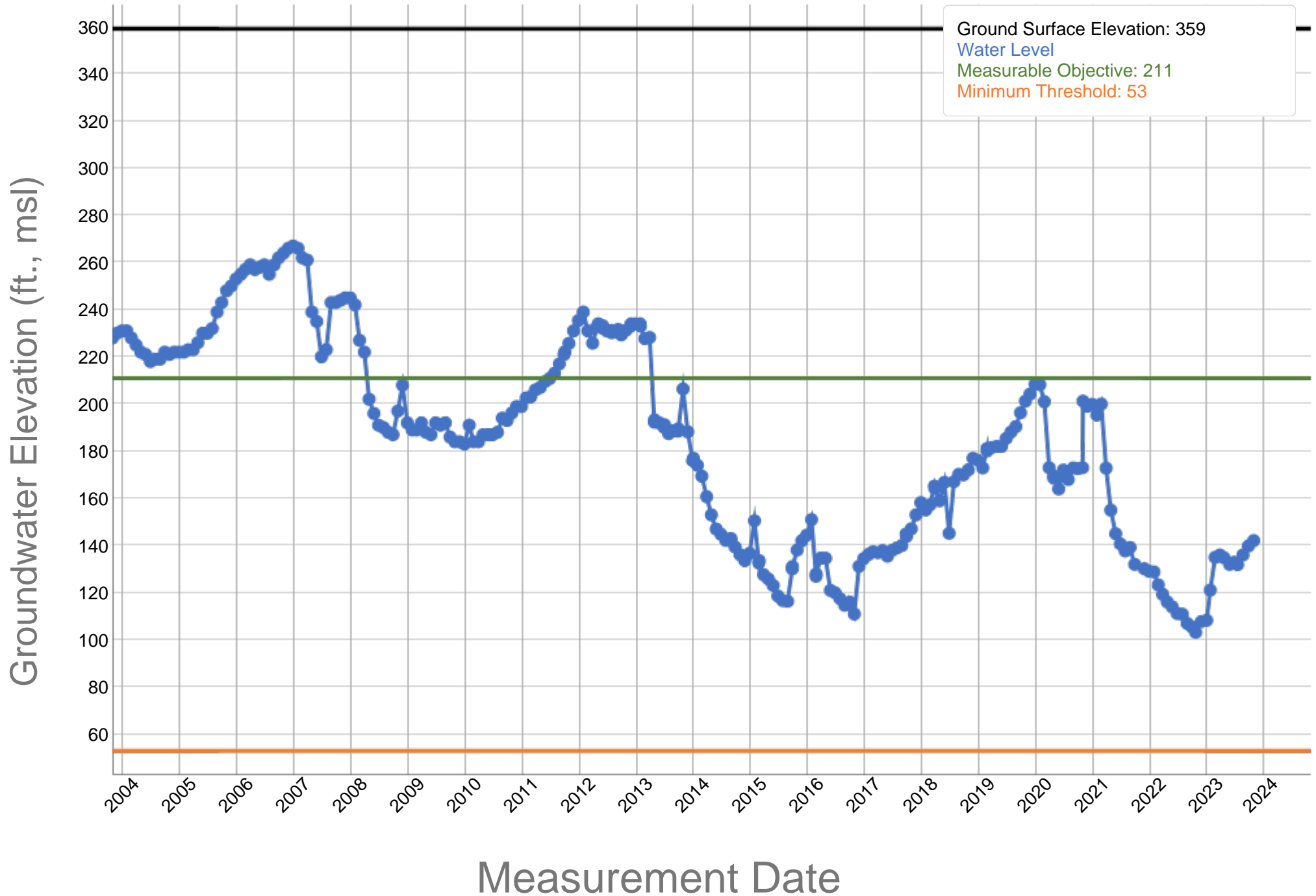
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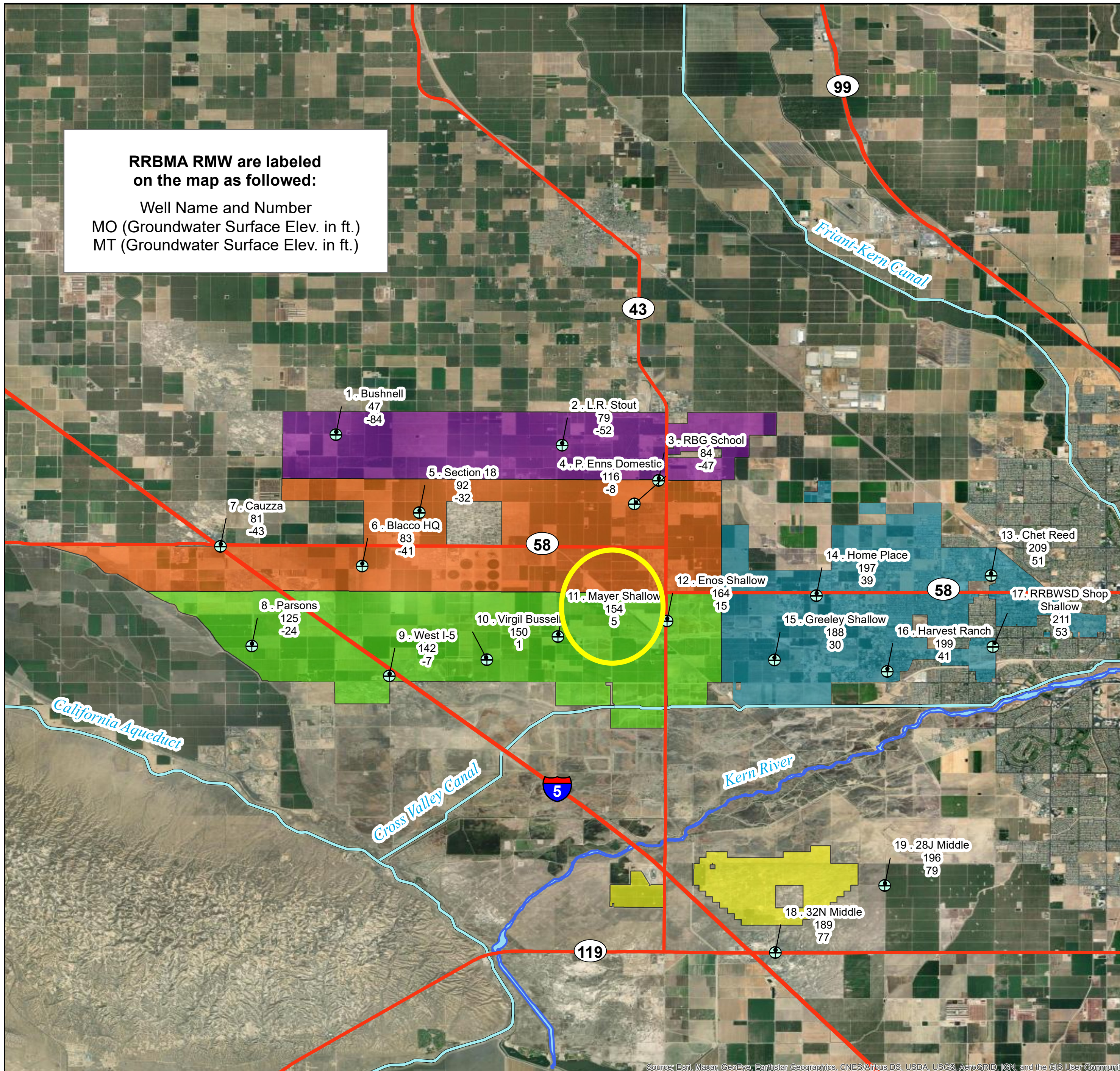


# Rosedale-Rio Bravo Water Storage District - 35H RRBWSD Shop - 353620N1191457W002





# RRBMA Monitoring Areas - RMW Water Level MOs and MTs



**Legend**

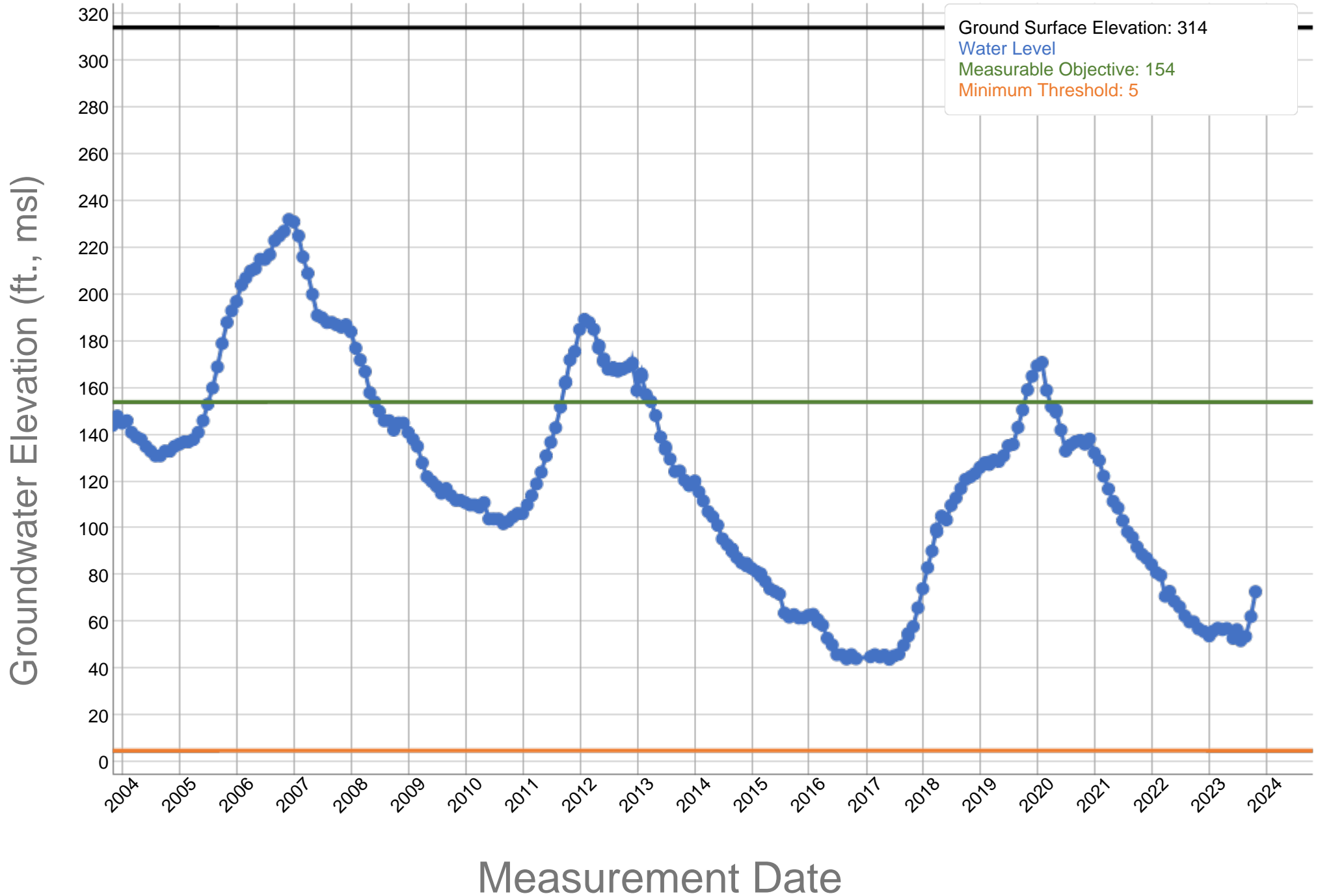
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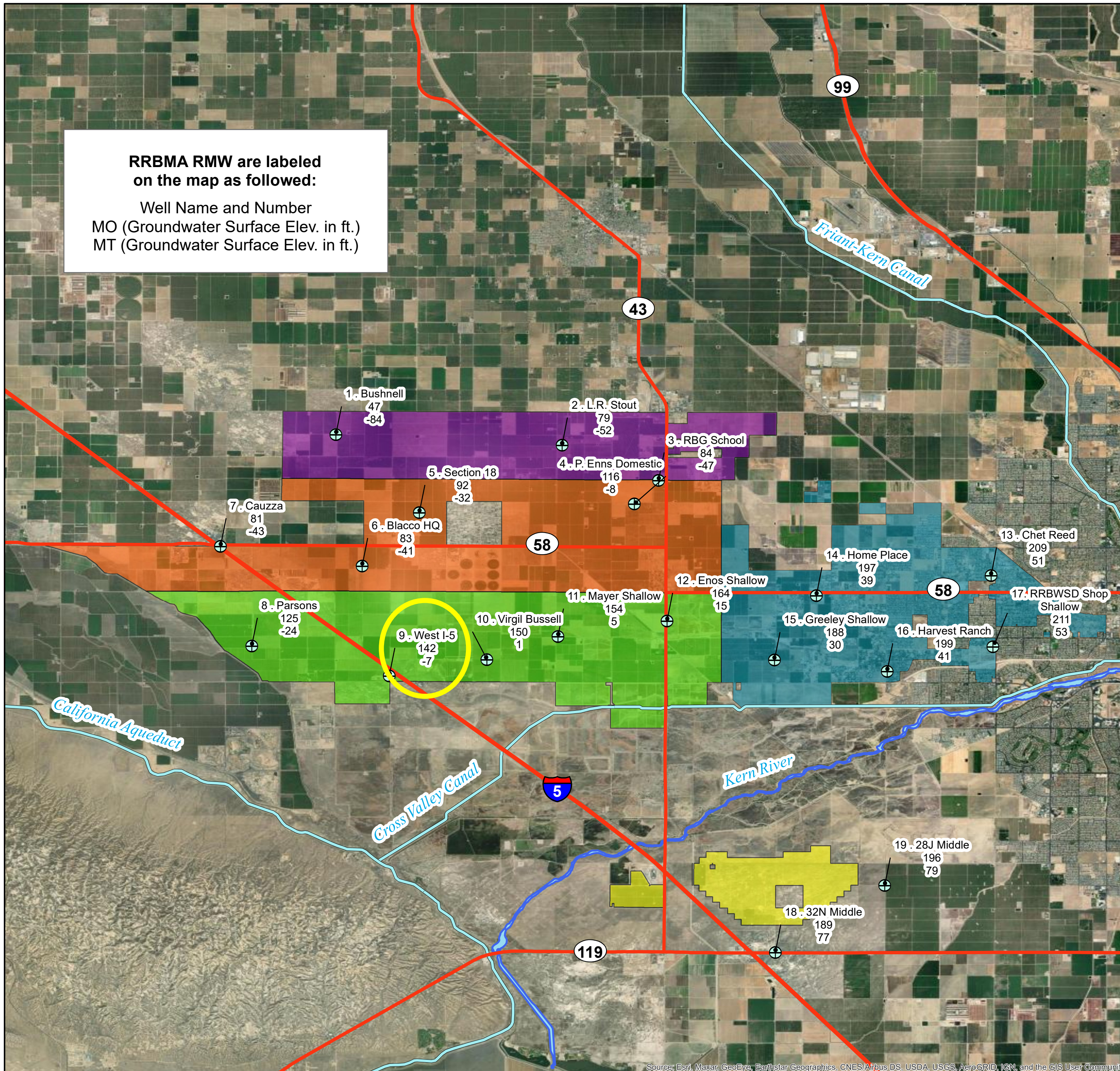


# Rosedale-Rio Bravo Water Storage District - 27N Mayer - 353699N1192856W002





# RRBMA Monitoring Areas - RMW Water Level MOs and MTs



**Legend**

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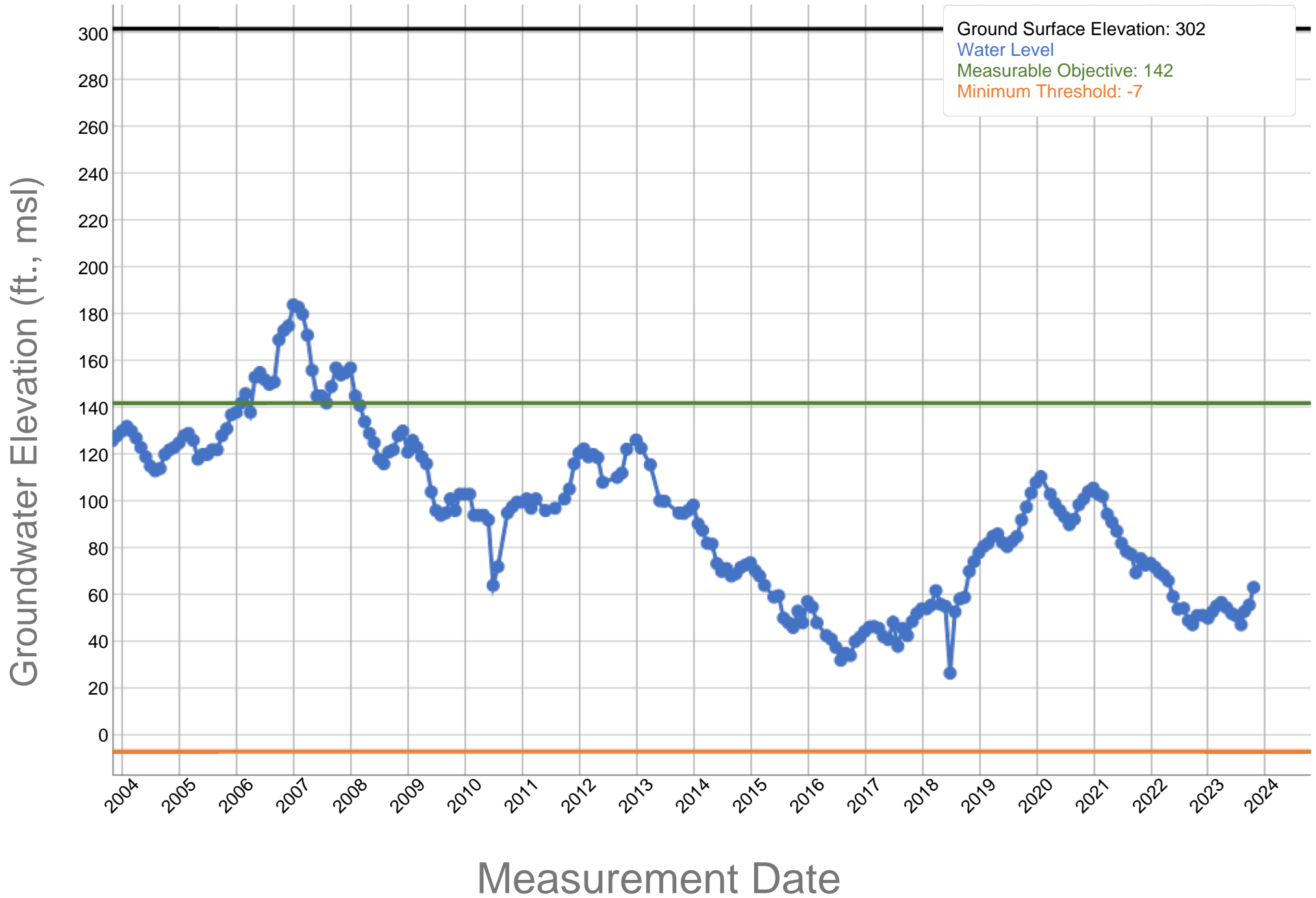
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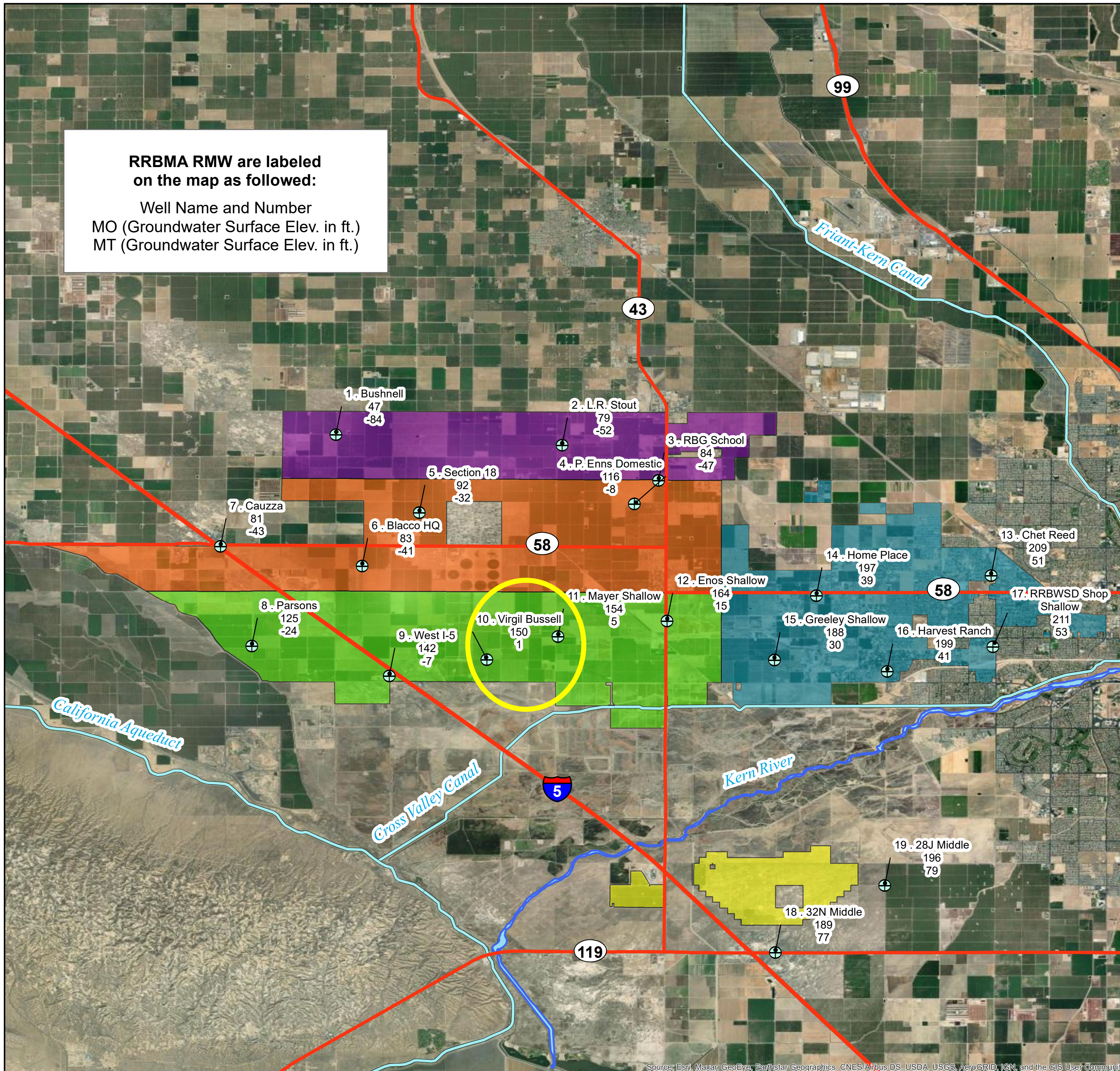


# Rosedale-Rio Bravo Water Storage District - West I-5 - 353564N1193412W001





# RRBMA Monitoring Areas - RMW Water Level MOs and MTs



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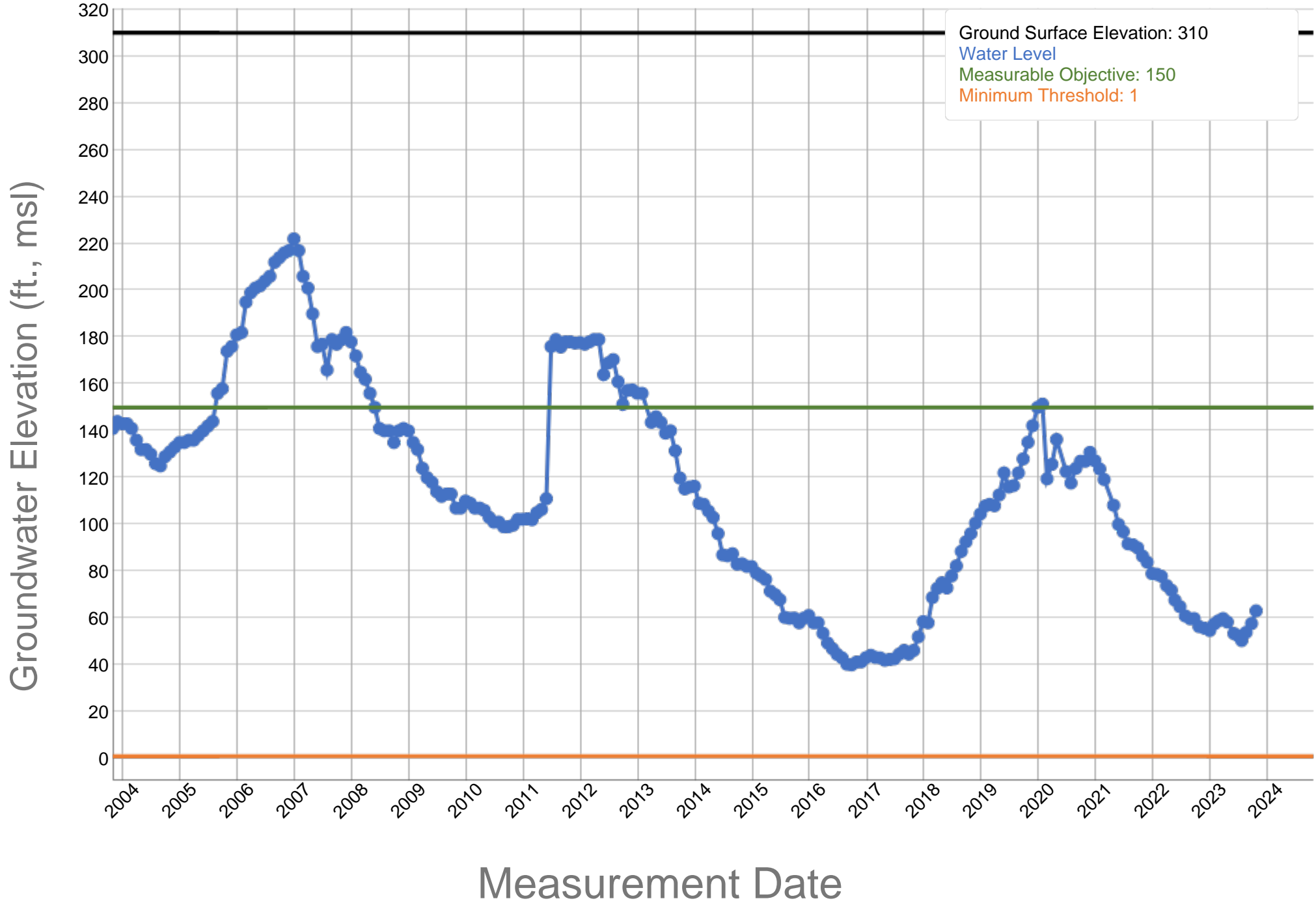
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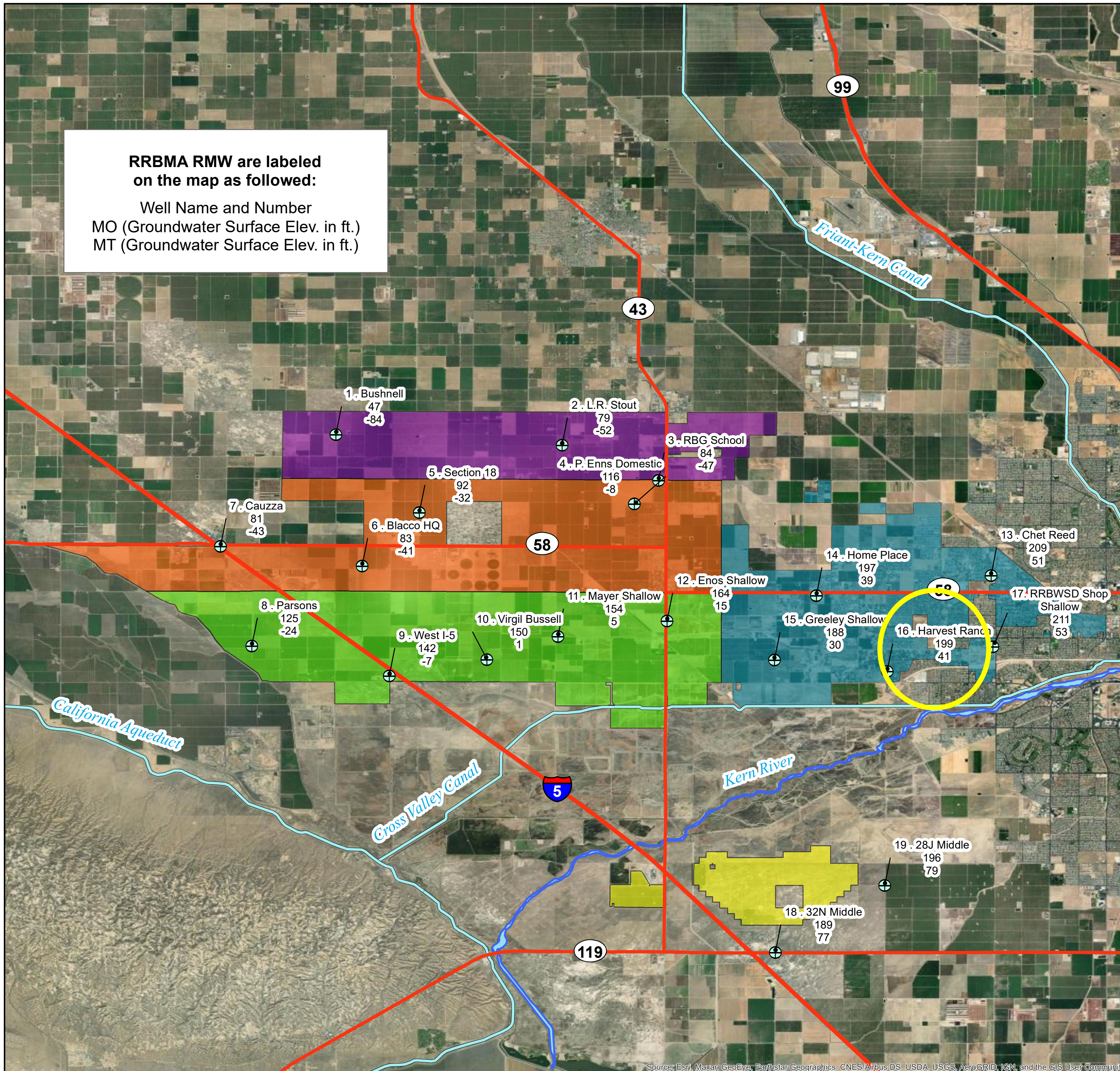


# Rosedale-Rio Bravo Water Storage District - Virgil Bussell - 353619N1193099W001





# RRBMA Monitoring Areas - RMW Water Level MOs and MTs



**Legend**

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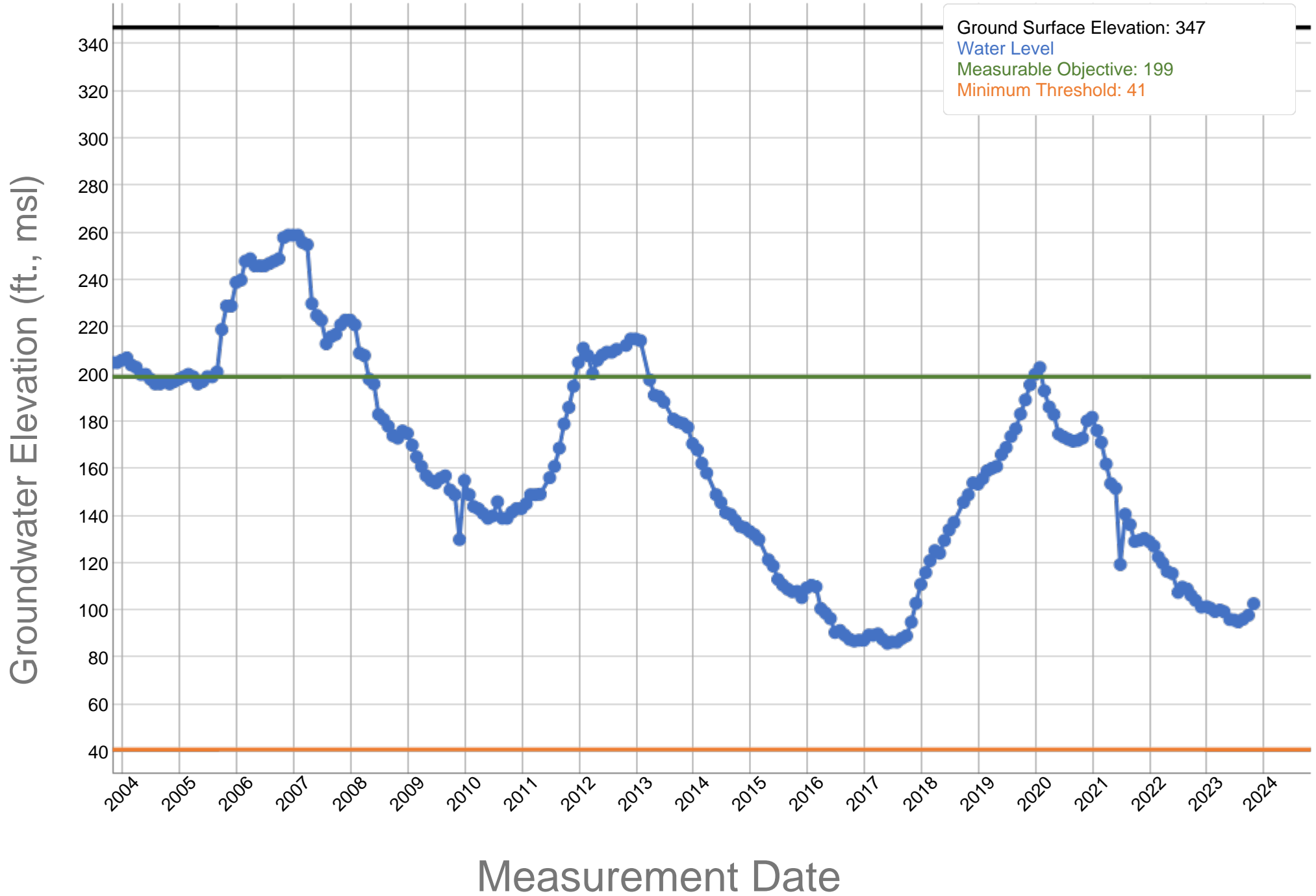
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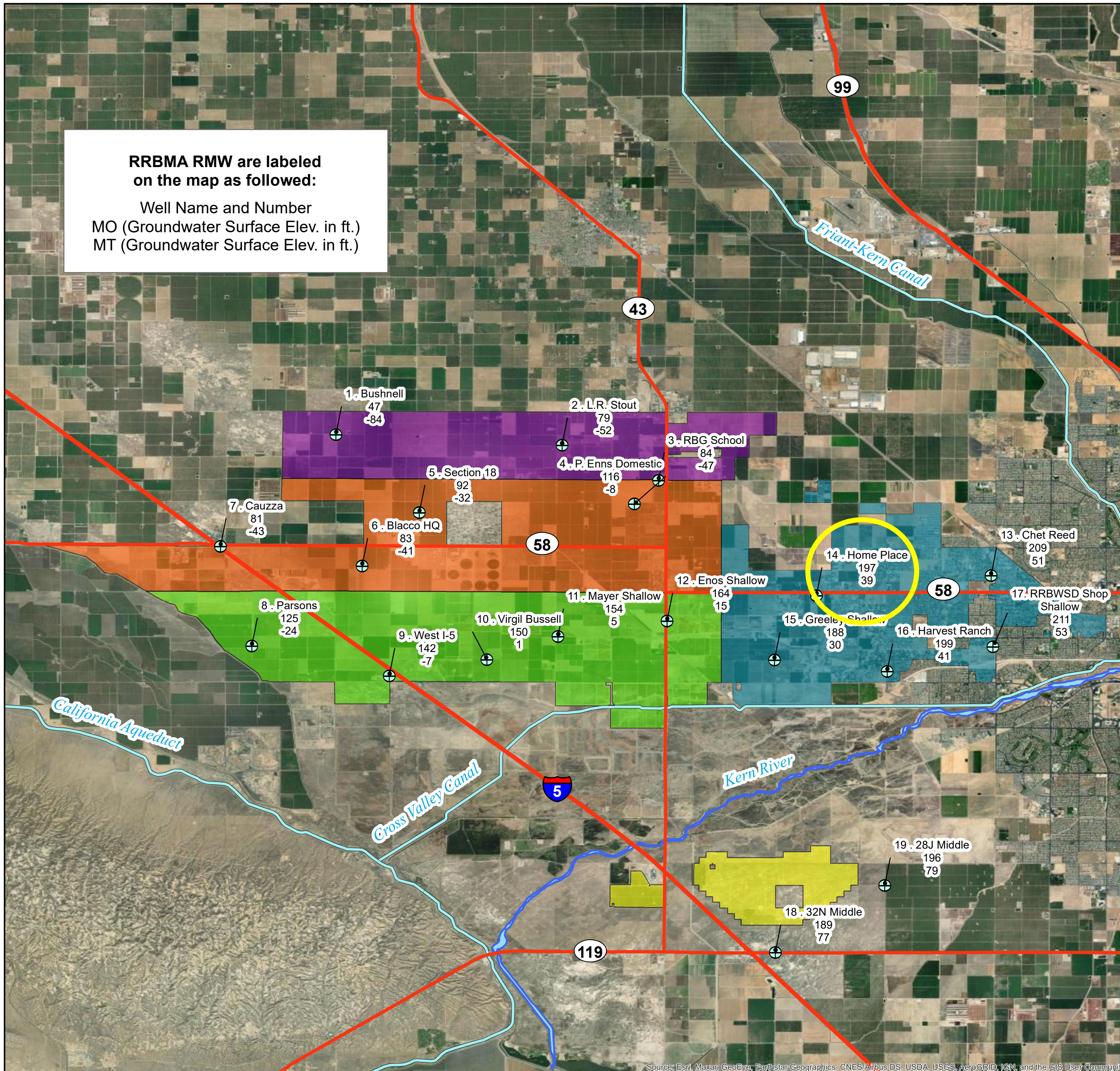


# Rosedale-Rio Bravo Water Storage District - Harvest Ranch - 353634N1191766W001





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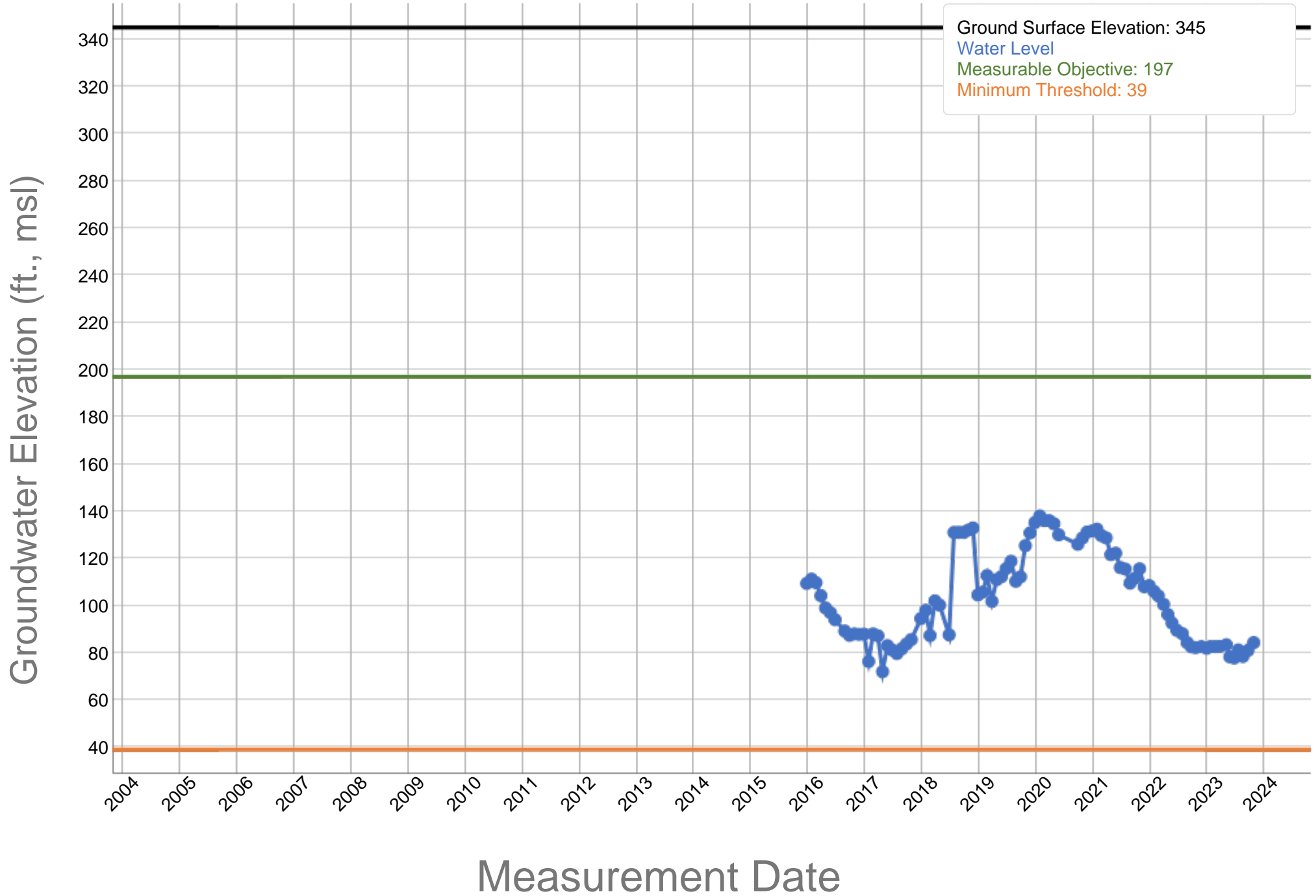
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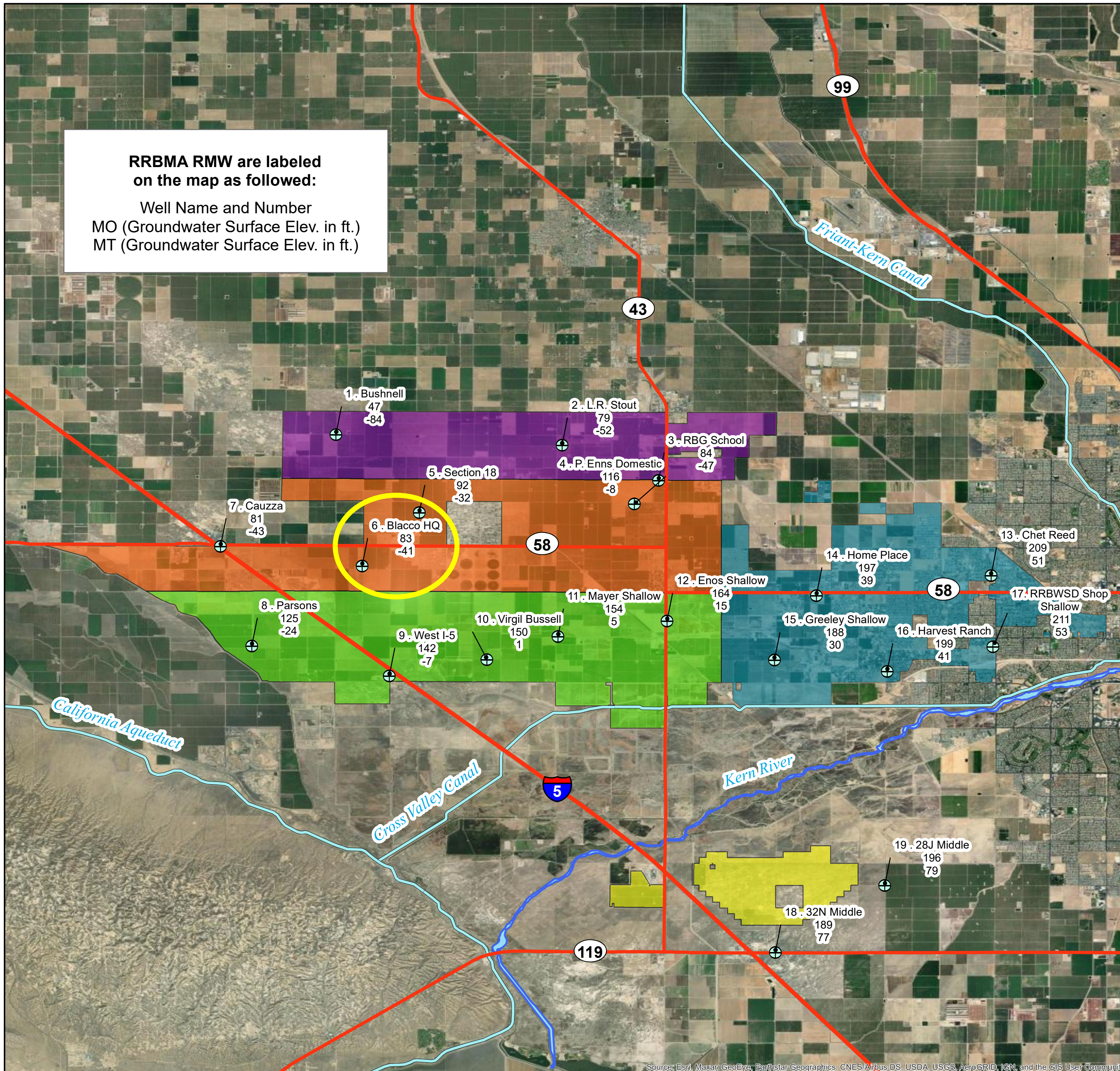


# Rosedale-Rio Bravo Water Storage District - Home Place - 353824N1192035W001





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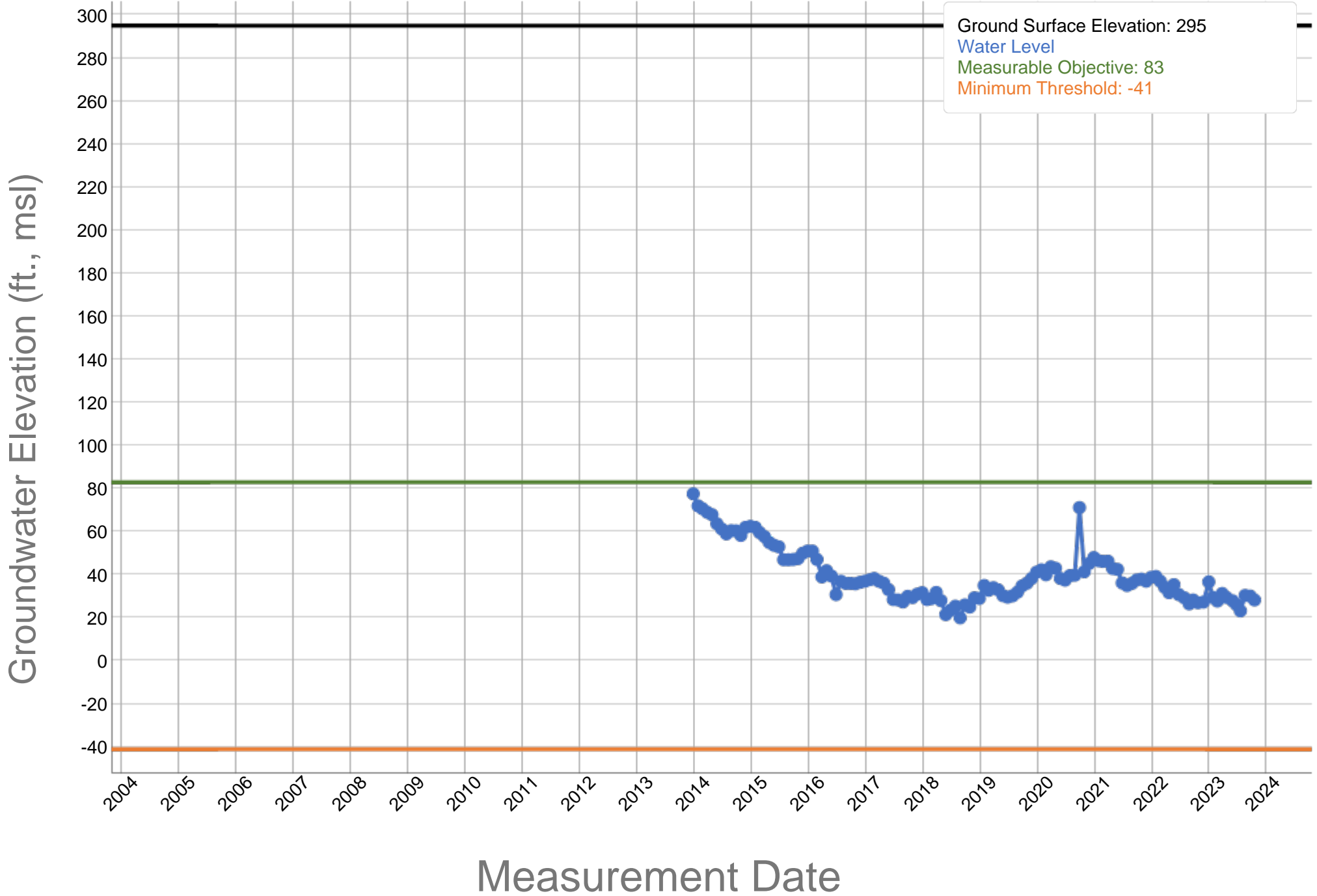
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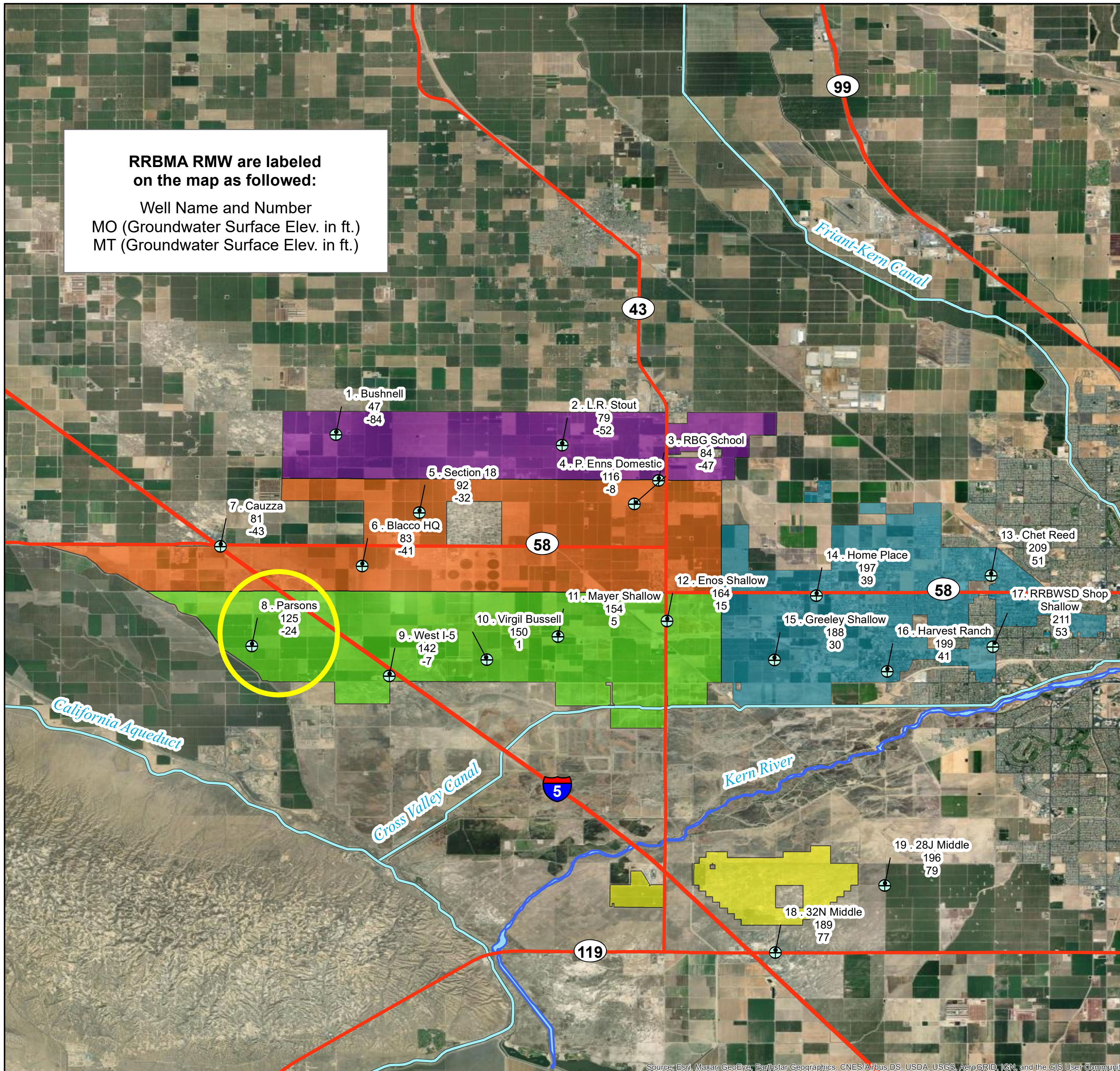


# Rosedale-Rio Bravo Water Storage District - Blacco HQ - 353915N1193454W001





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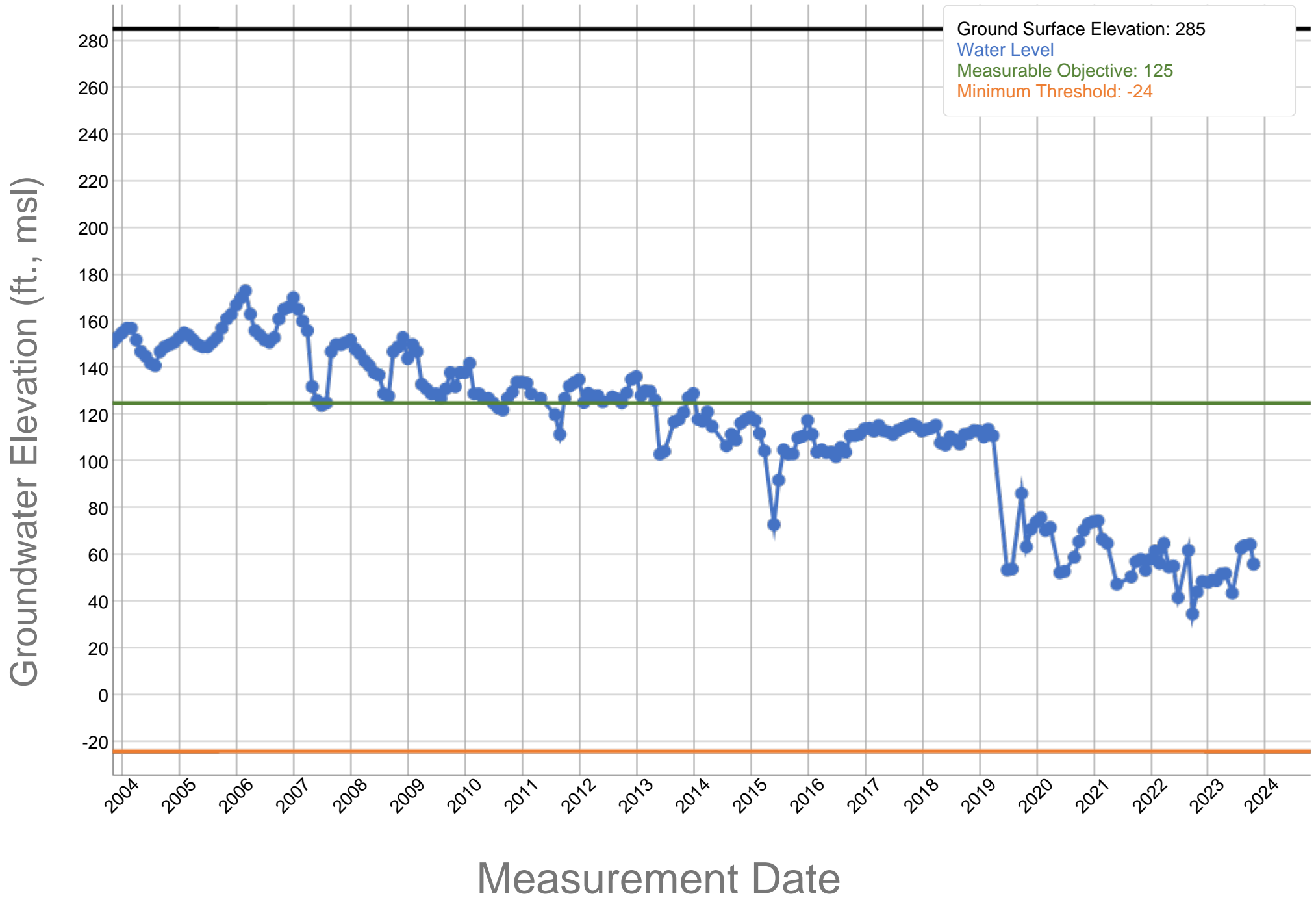
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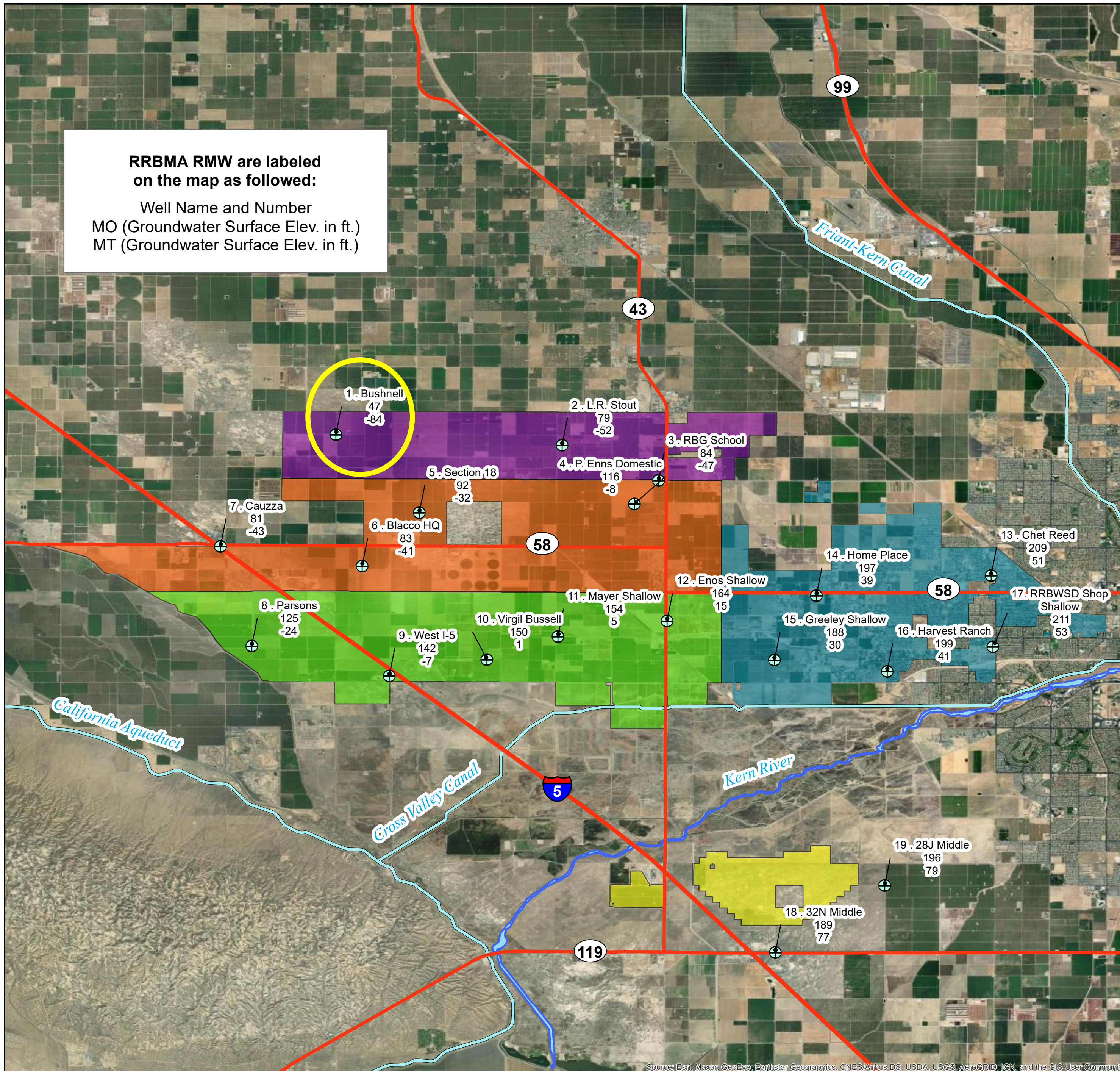


# Rosedale-Rio Bravo Water Storage District - Parsons - 353663N1193859W001





# RRBMA Monitoring Areas - RMW Water Level MOs and MTs



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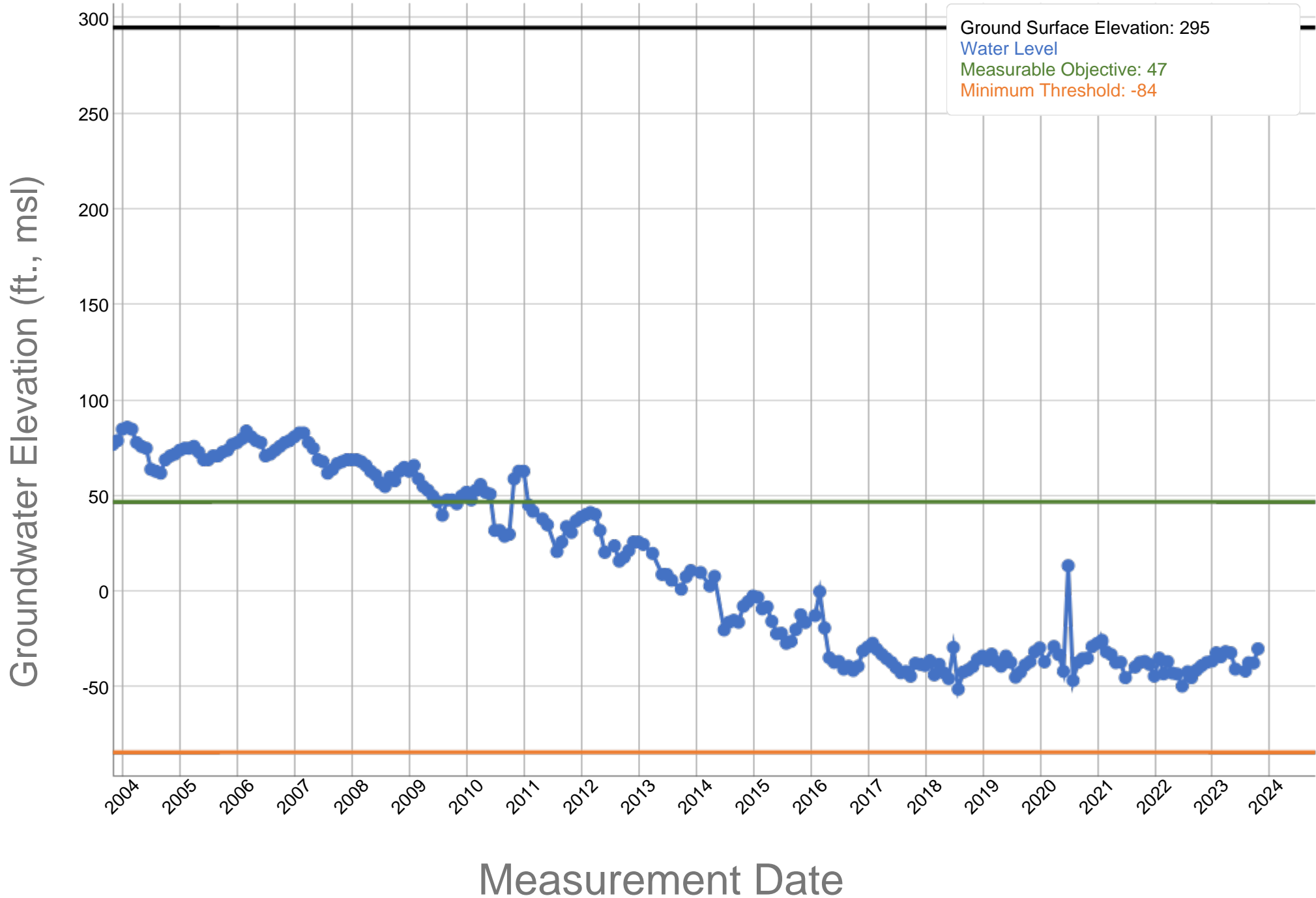
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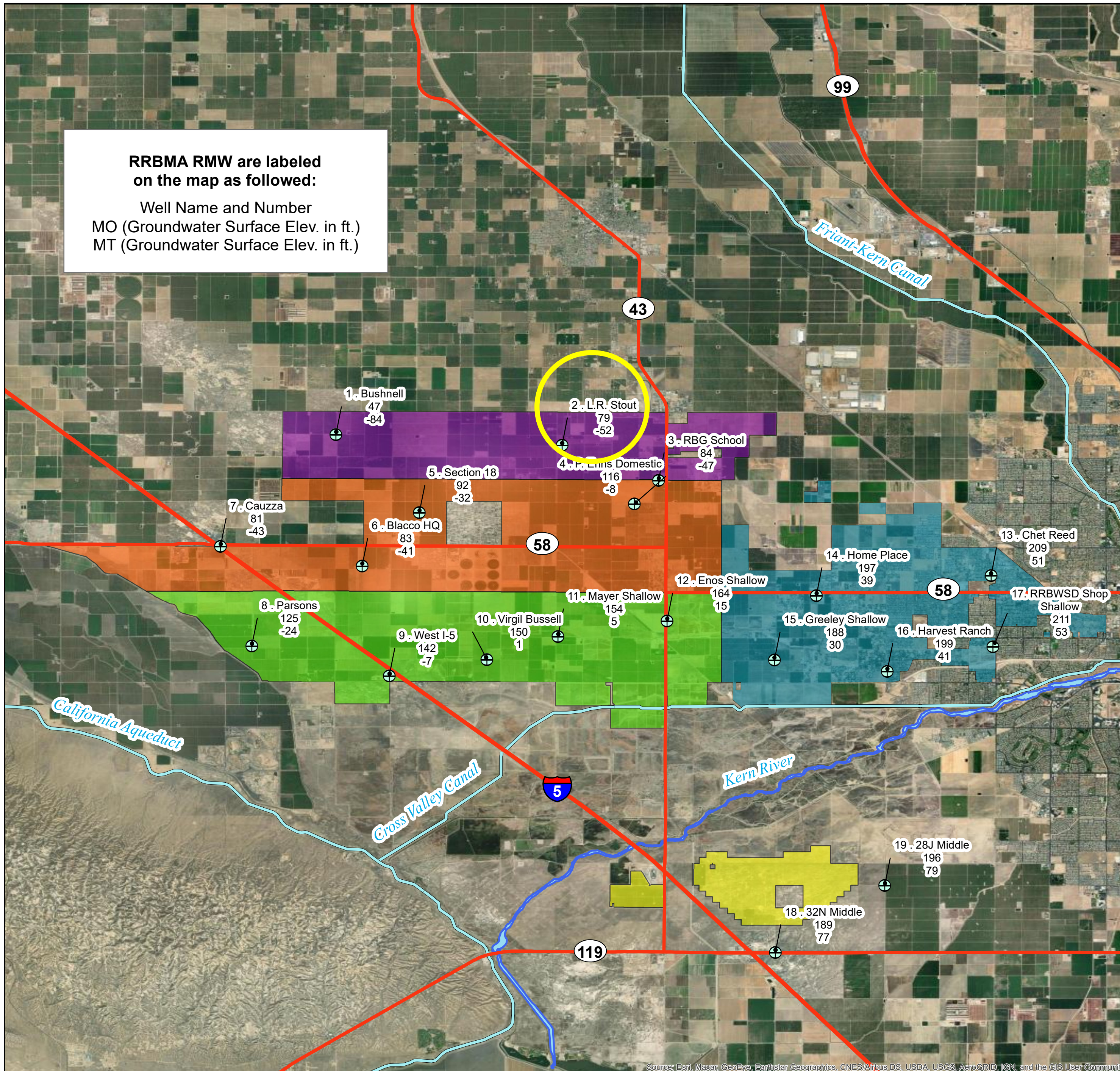


# Rosedale-Rio Bravo Water Storage District - Bushnell - 354350N1193586W001





# RRBMA Monitoring Areas - RMW Water Level MOs and MTs



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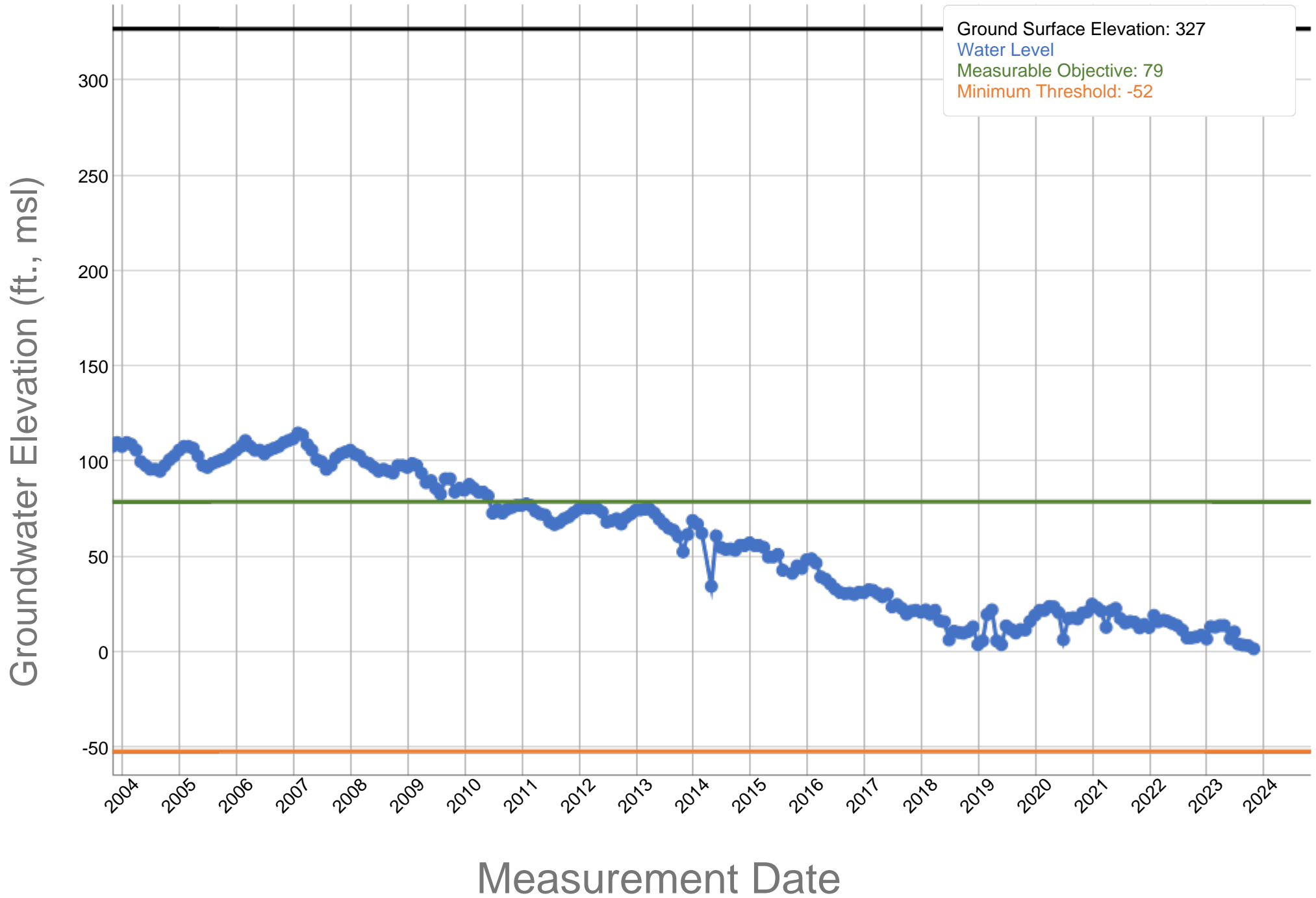
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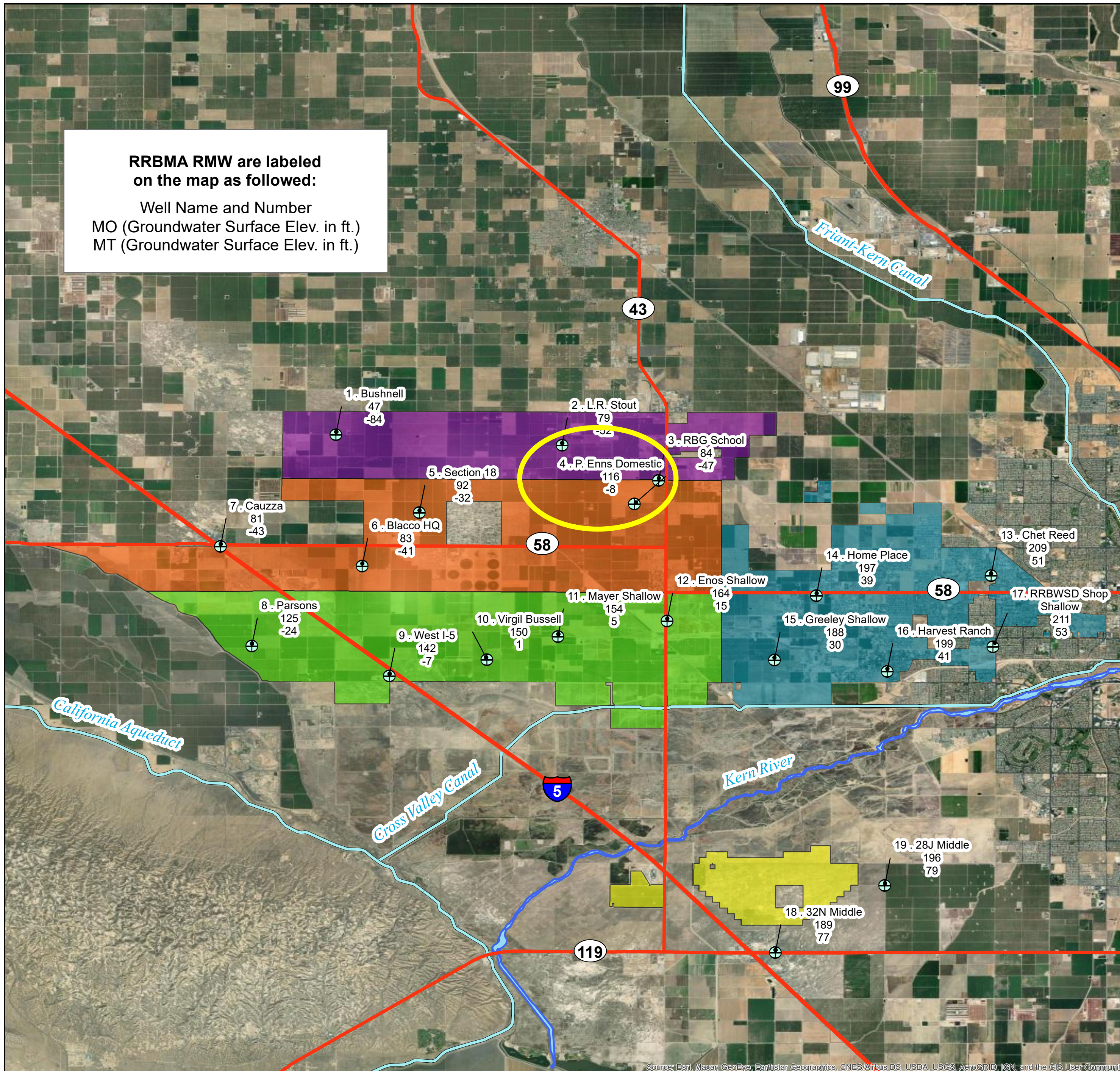


# Rosedale-Rio Bravo Water Storage District - L.R. Stout - 354309N1192859W001





# RRBMA Monitoring Areas - RMW Water Level MOs and MTs



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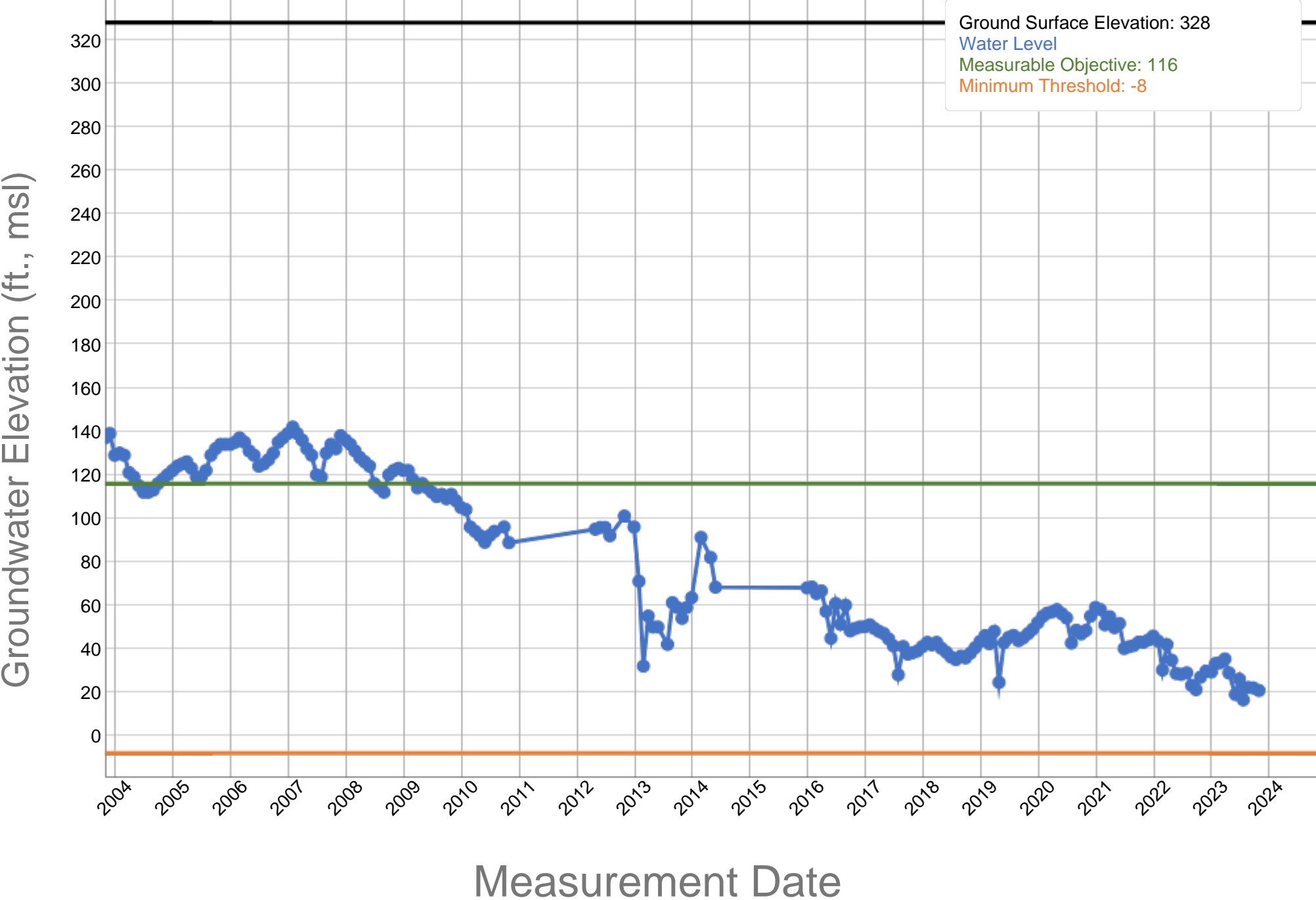
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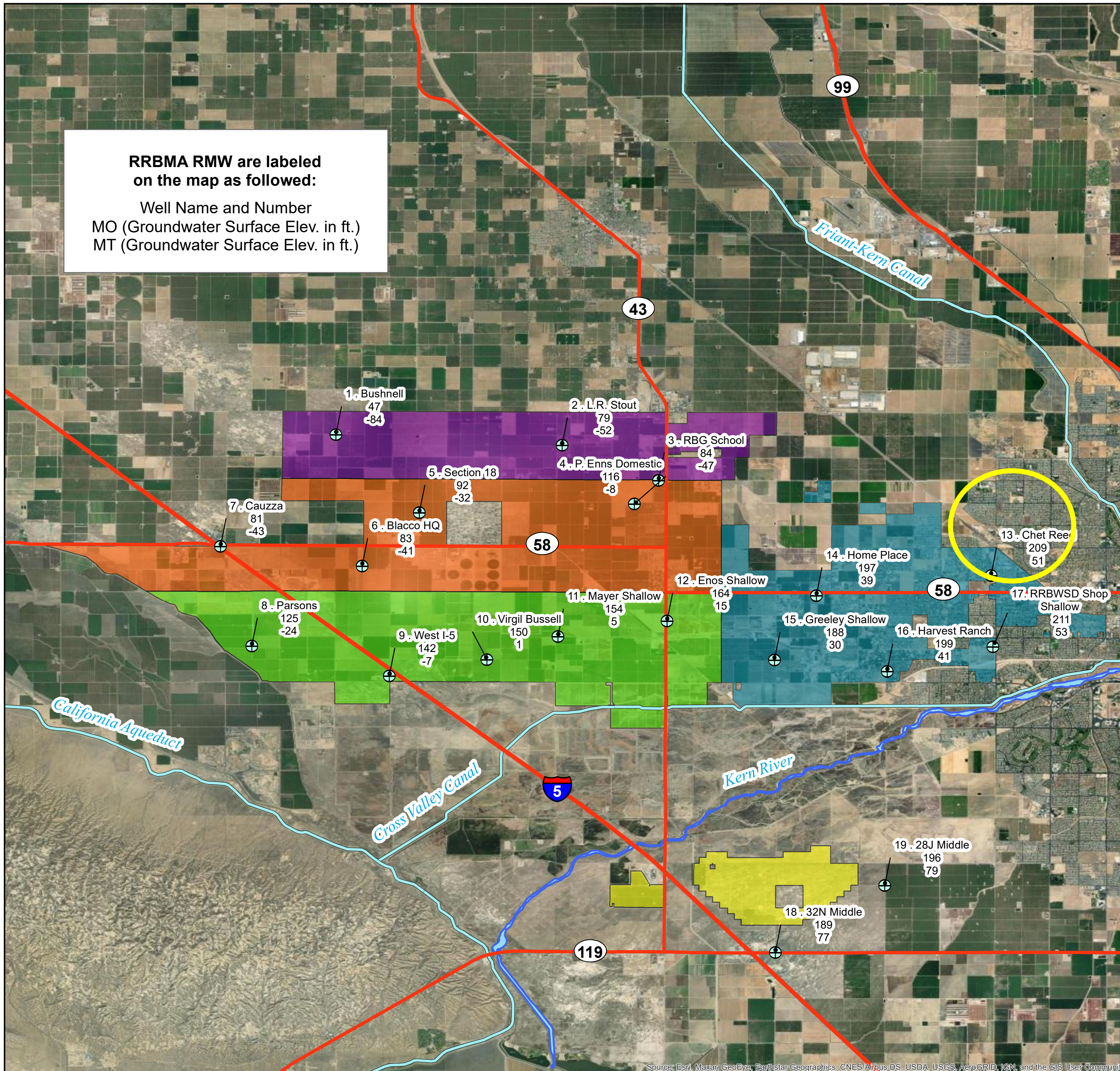


# Rosedale-Rio Bravo Water Storage District - P. Enns Domestic - 354121N1192623W001





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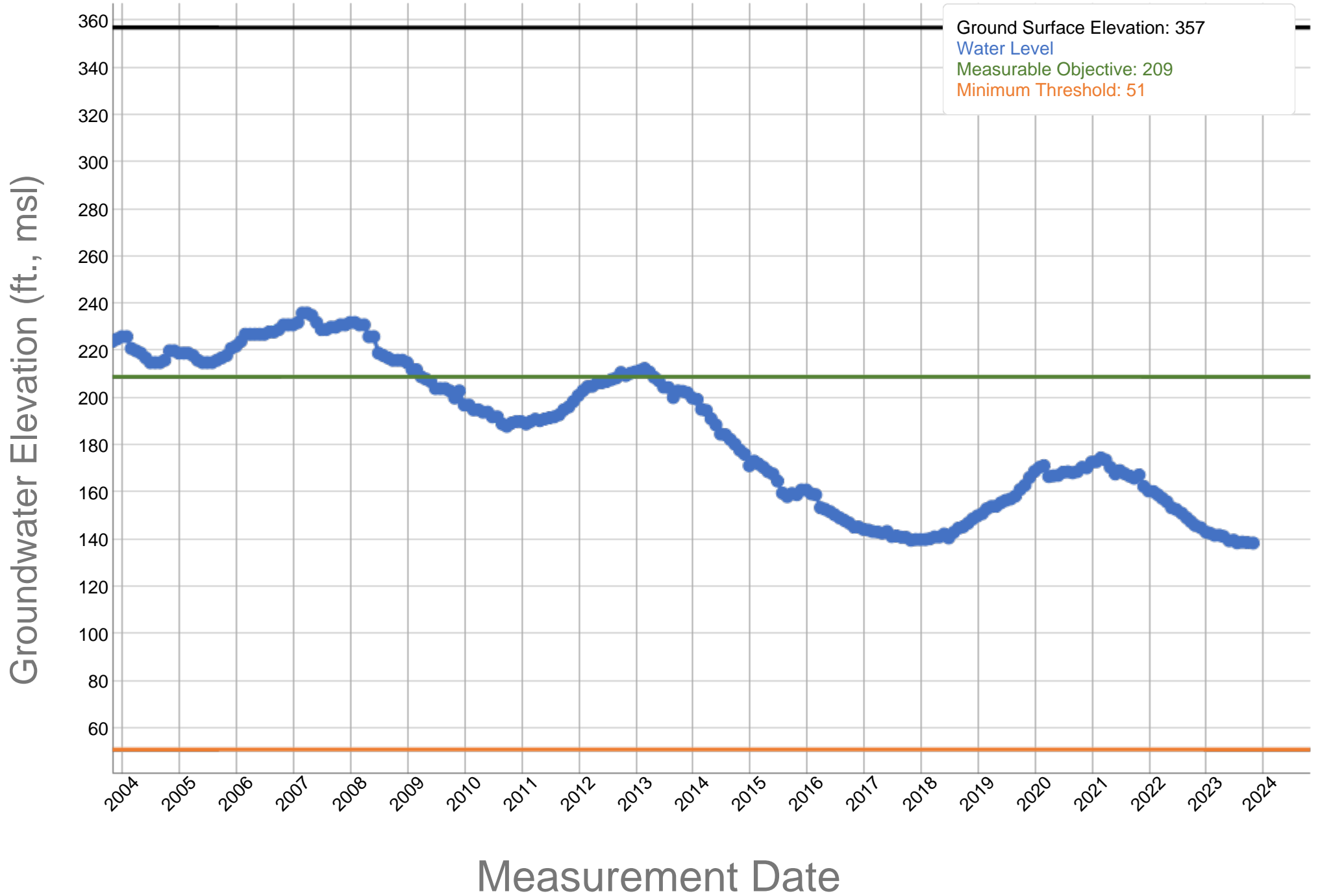
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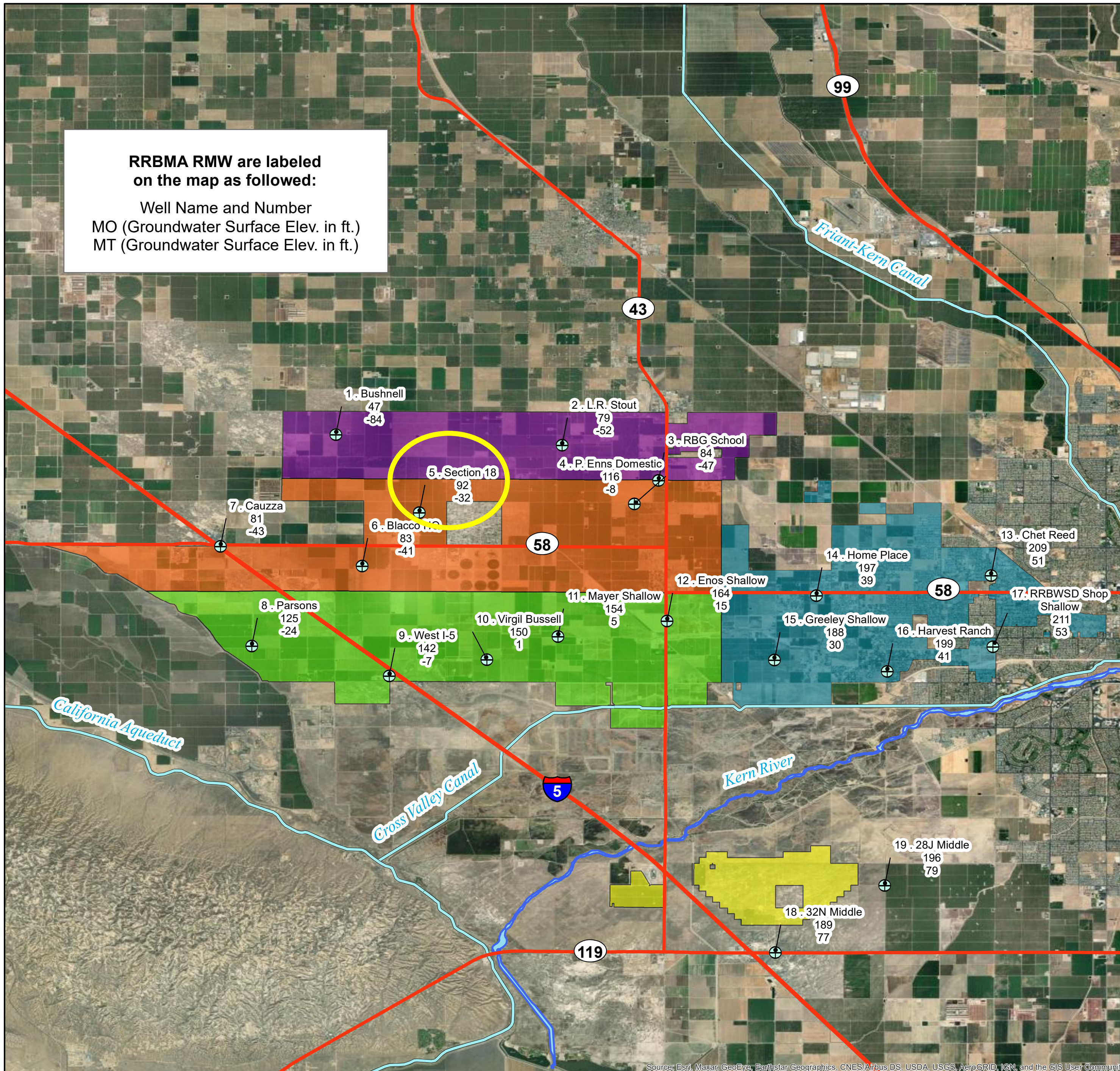


# Rosedale-Rio Bravo Water Storage District - Chet Reed - 353890N1191471W001





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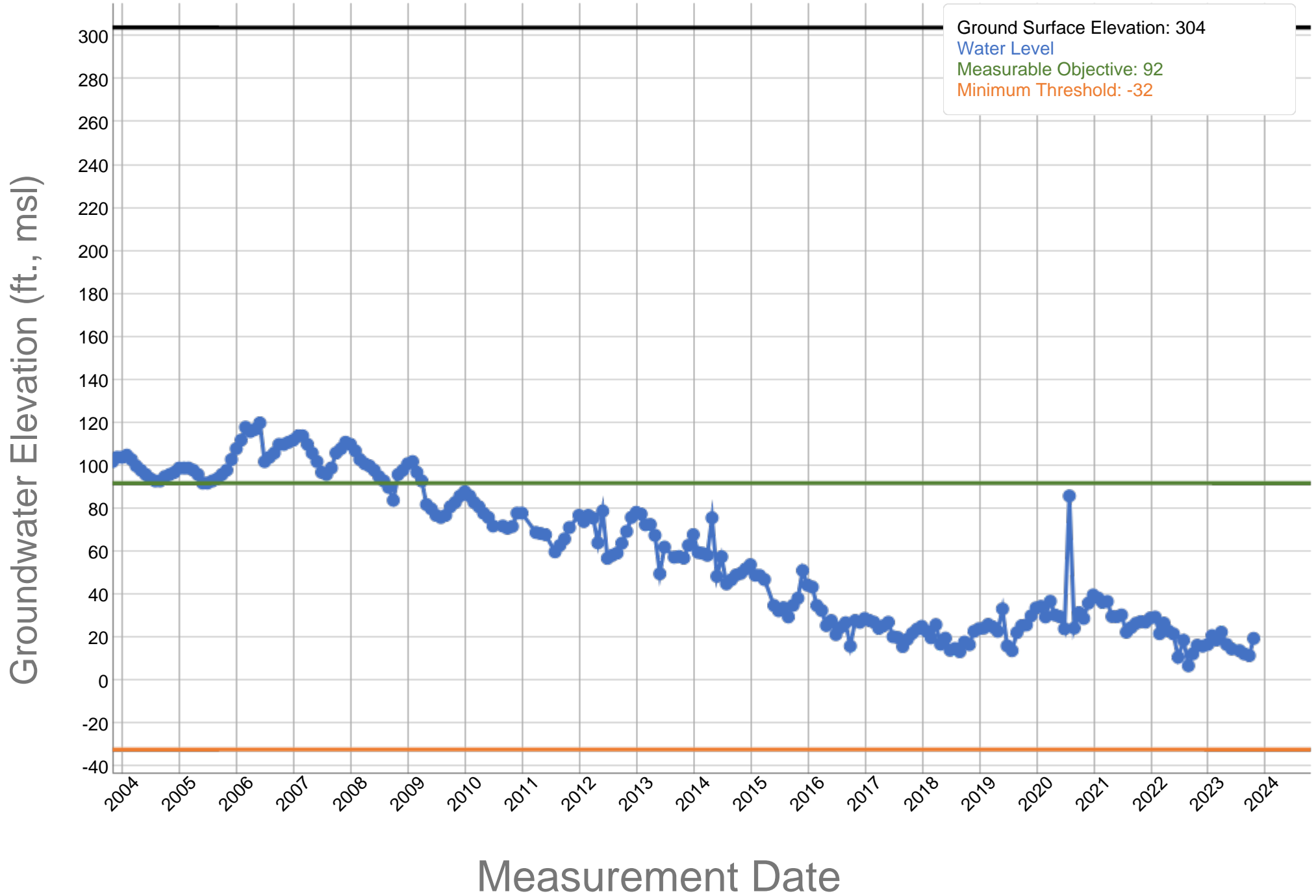
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 MT = Minimum Threshold*



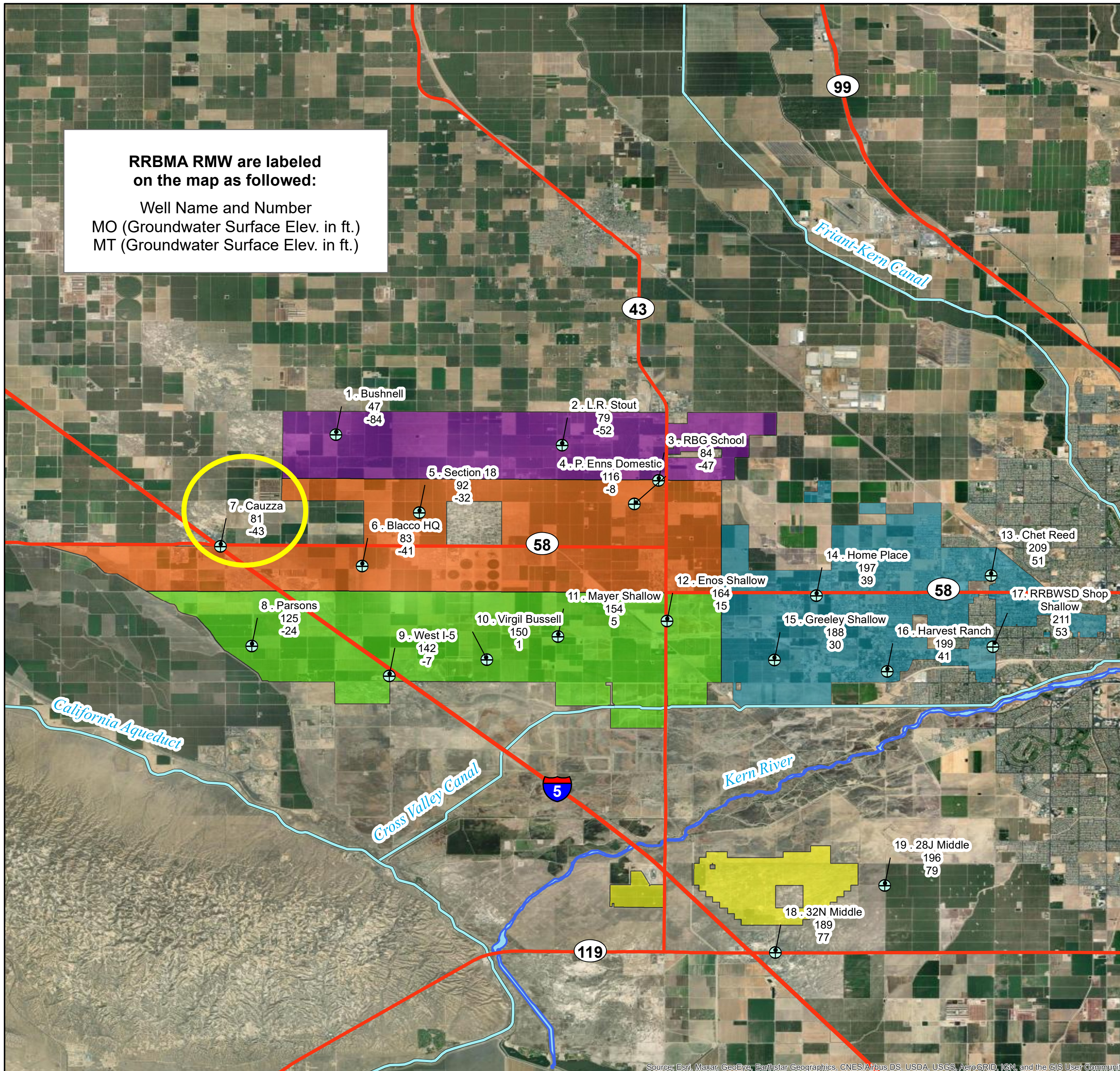


# Rosedale-Rio Bravo Water Storage District - Section 18 - 354090N1193318W001





# RRBMA Monitoring Areas - RMW Water Level MOs and MTs



**Legend**

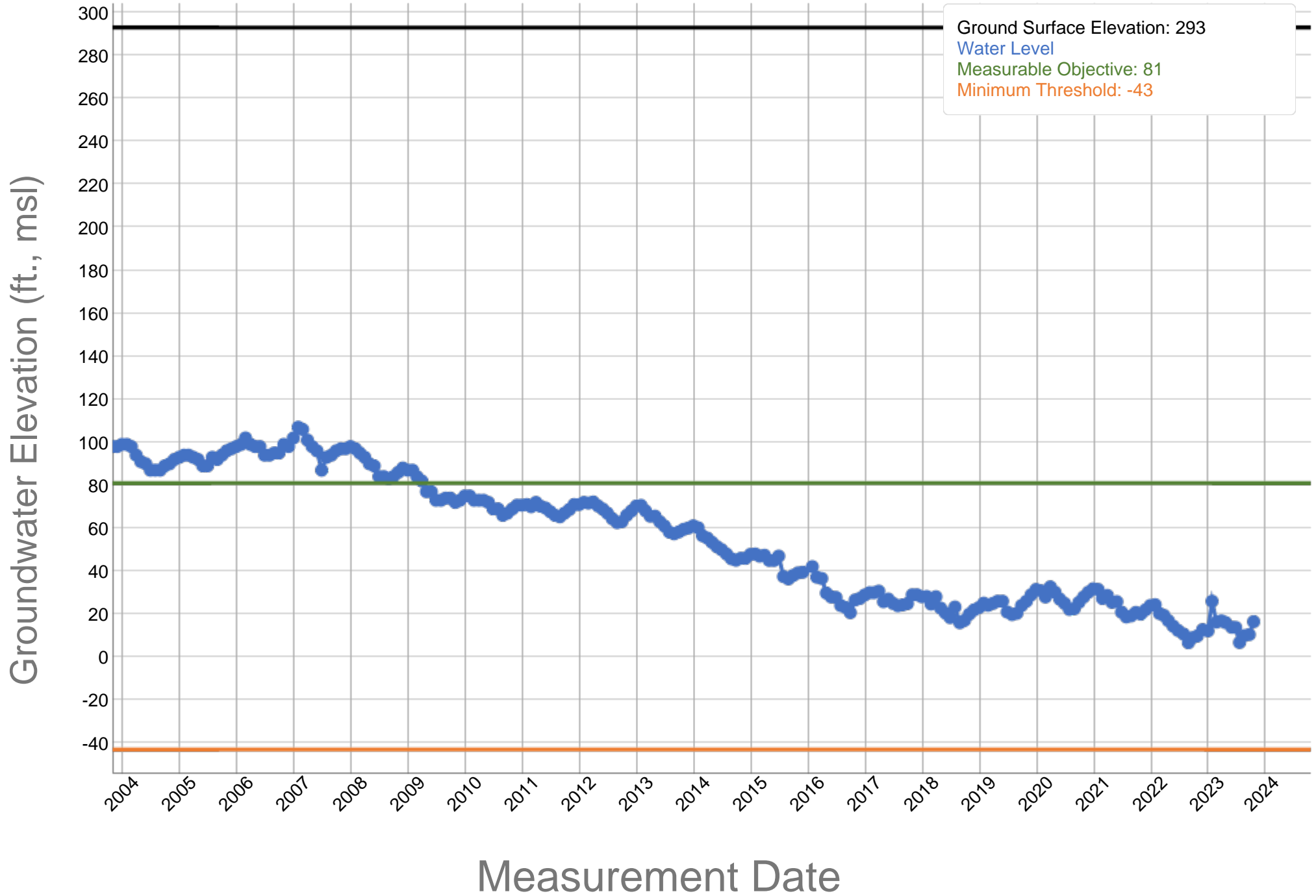
- ⊕ RRBMA RMW (Water Level)
- Major Highways
- Major Conveyance Facilities
- Kern River
- North Monitoring Area
- Central Monitoring Area
- South Monitoring Area
- East Monitoring Area
- South of the River Monitoring Area

*RMW = Representative Monitoring Well  
MO = Measurable Objective  
MT = Minimum Threshold*



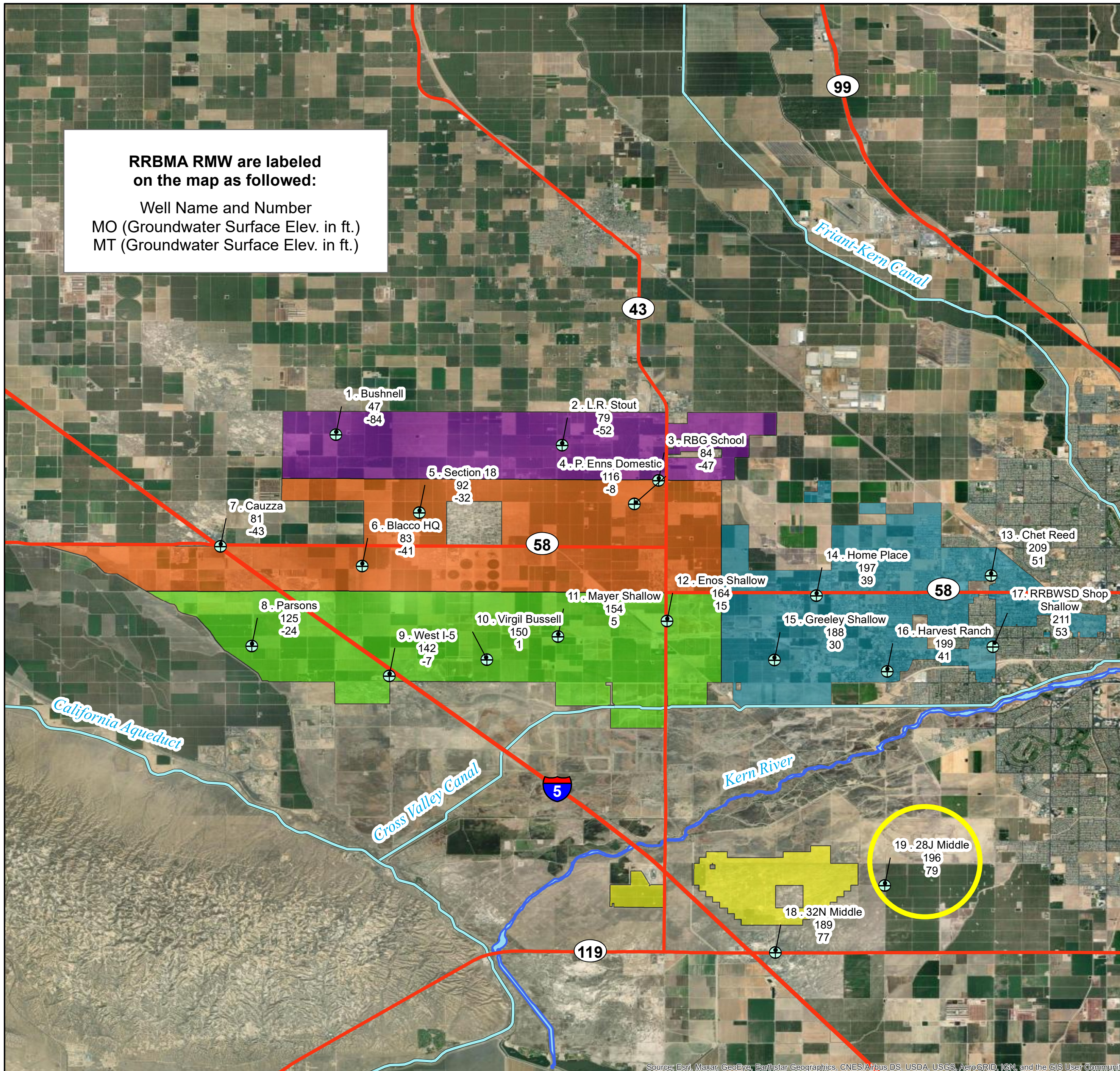


# Rosedale-Rio Bravo Water Storage District - Cauzza - 353986N1193948W001





# RRBMA Monitoring Areas - RMW Water Level MOs and MTs



**Legend**

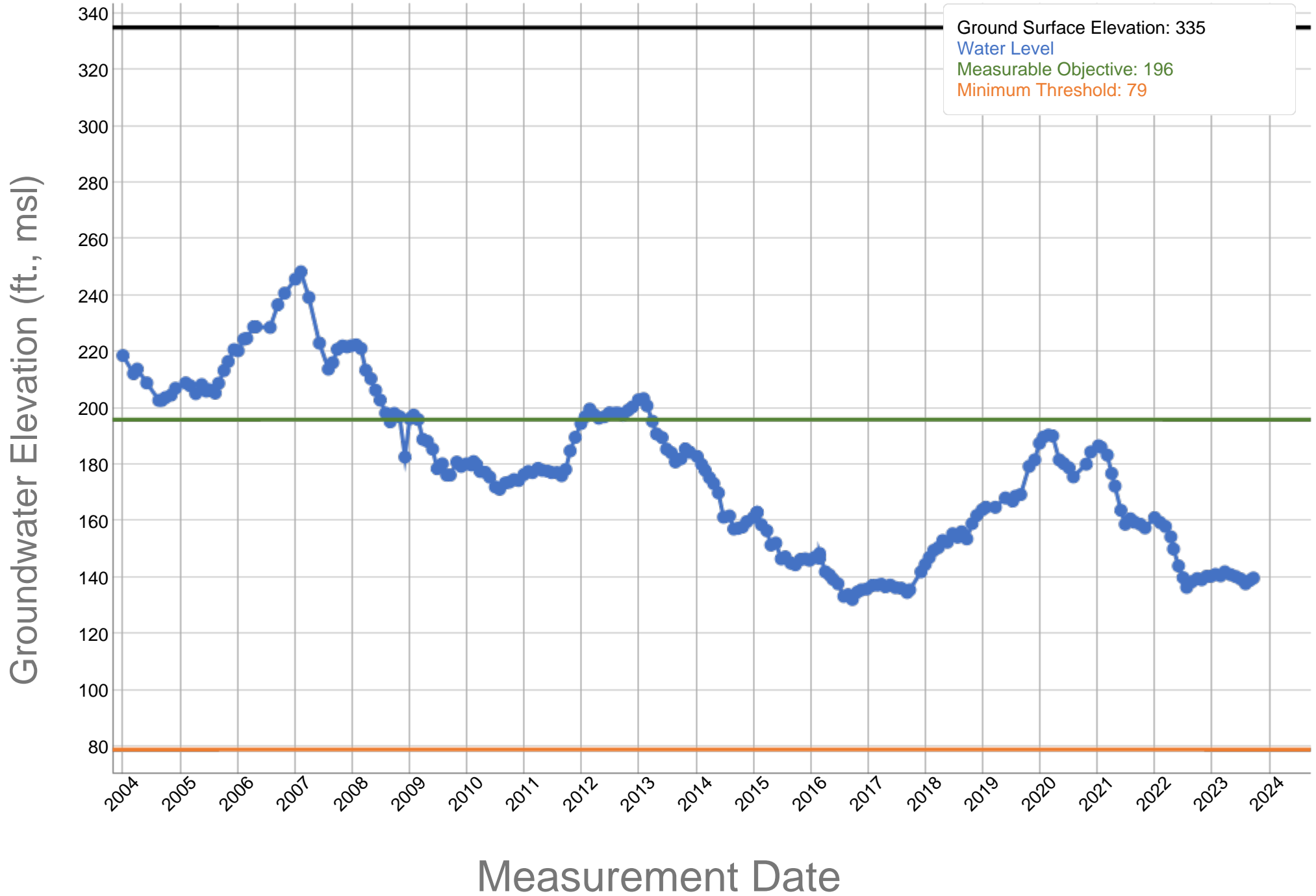
- ⊕ RRBMA RMW (Water Level)
- Major Highways
- Major Conveyance Facilities
- Kern River
- North Monitoring Area
- Central Monitoring Area
- South Monitoring Area
- East Monitoring Area
- South of the River Monitoring Area

*RMW = Representative Monitoring Well  
 MO = Measurable Objective  
 MT = Minimum Threshold*



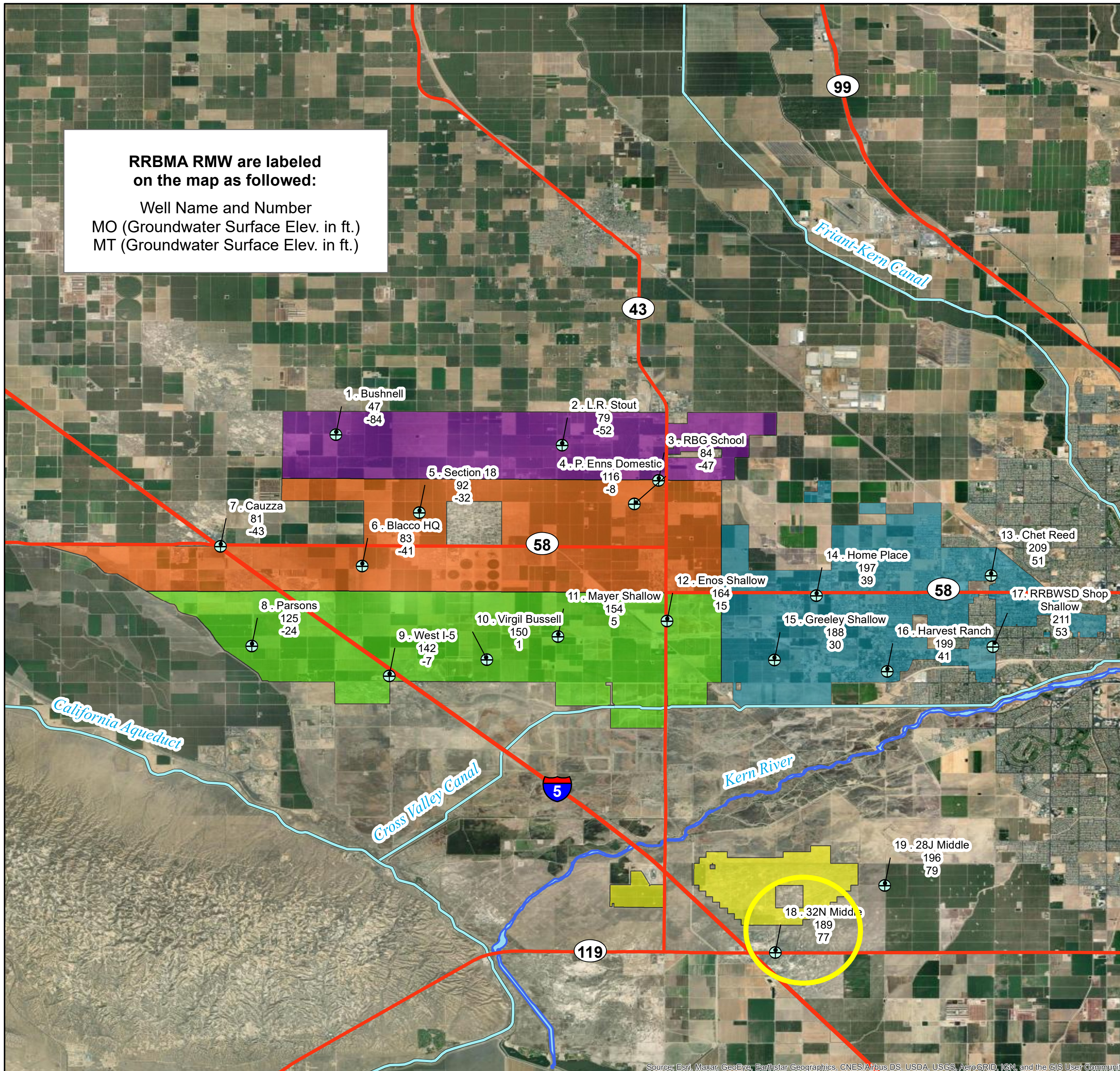


# Rosedale-Rio Bravo Water Storage District - 28J Triple - 352889N1191814W001





# RRBMA Monitoring Areas - RMW Water Level MOs and MTs



**Legend**

- ⊕ RRBMA RMW (Water Level)
- Major Highways
- Major Conveyance Facilities
- Kern River
- North Monitoring Area
- Central Monitoring Area
- South Monitoring Area
- East Monitoring Area
- South of the River Monitoring Area

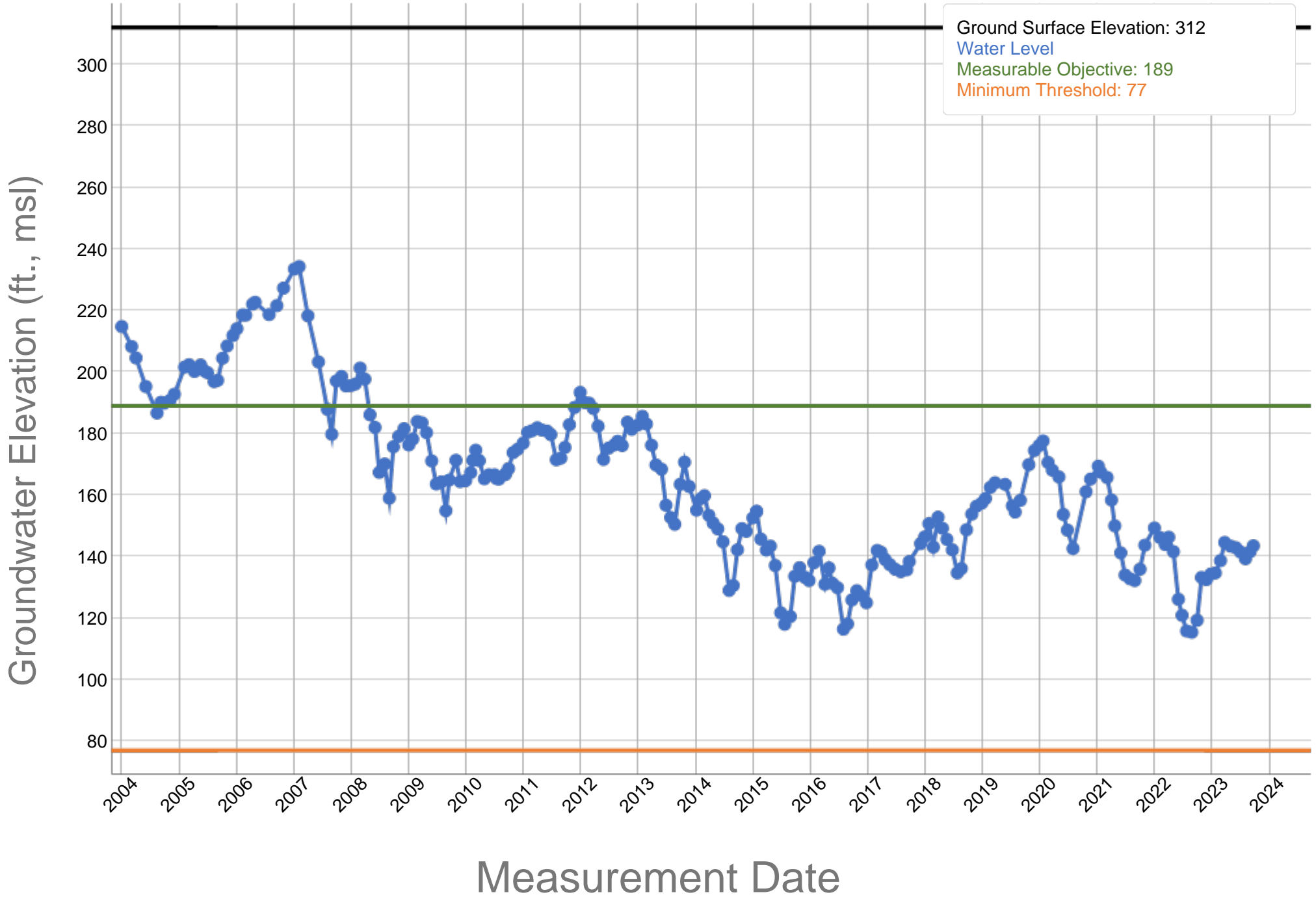
*RMW = Representative Monitoring Well  
 MO = Measurable Objective  
 MT = Minimum Threshold*



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



# Rosedale-Rio Bravo Water Storage District - 32N Triple - 352673N1192138W002





**ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT  
DRAFT RECHARGE DELIVERIES  
2023**

<b>Delivery Point</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>	<b>Total</b>
Kern River Intake	556	159	8,180	19,259	20,906	16,052	11,706	10,235	10,108	12,962			110,123
RRB Turnout No. 2	458	5,895	10,243	2,547	3,771	3,386	655	1,884	6,030	6,089			40,958
Central Intake	0	0	661	5,219	2,172	1,948	5,553	6,605	2,253	0			24,411
RRB Turnout No. 1	0	1,312	2,922	4,517	579	2,739	6,248	5,435	4,963	5,399			34,114
North Strand	0	0	4,165	4,501	4,155	4,115	3,989	3,011	2,904	2,539			29,379
South Strand	0	0	2,803	3,061	1,914	1,513	1,621	1,360	1,307	1,020			14,599
Stockdale West	0	0	3,719	4,505	2,628	1,815	1,603	1,954	1,521	1,579			19,324
RRB Westside In-Lieu	0	0	69	144	406	637	565	604	400	100			2,925
Grimmway Pilot	0	0	0	0	81	2,138	2,104	23	0	0			4,346
Pioneer Project	2,588	1,228	4,622	3,092	5,510	5,042	4,330	3,800	4,263	3,500			37,975
ID4 Exchange	0	0	1,187	979	0	0	0	0	0	0			2,166
<b>TOTALS &gt;</b>	<b>3,602</b>	<b>8,594</b>	<b>38,571</b>	<b>47,824</b>	<b>42,122</b>	<b>39,385</b>	<b>38,374</b>	<b>34,911</b>	<b>33,749</b>	<b>33,188</b>	<b>0</b>	<b>0</b>	<b>320,320</b>

TO: Rosedale-Rio Bravo Water Storage District Board of Directors  
Agenda Item 4.c

FROM: Zach Smith

DATE: November 14, 2023

RE: Maintenance Report

**Discussion:**

Staff worked on some maintenance items throughout the District in October. Specifically:

- Tractor with flail and skid-steer with sickle bar used to clear weeds along channel from Brimhall Road to Wes Selvidge Basins.
- Herbicide application followed flail and sickle work.
- Hand-cleaned weeds along fence at Strand Ranch and Superior Basins.
- Backhoe used to repair multiple leaks and levees throughout District.
- Staff completed monthly cleaning of electrical panels on recovery wells.





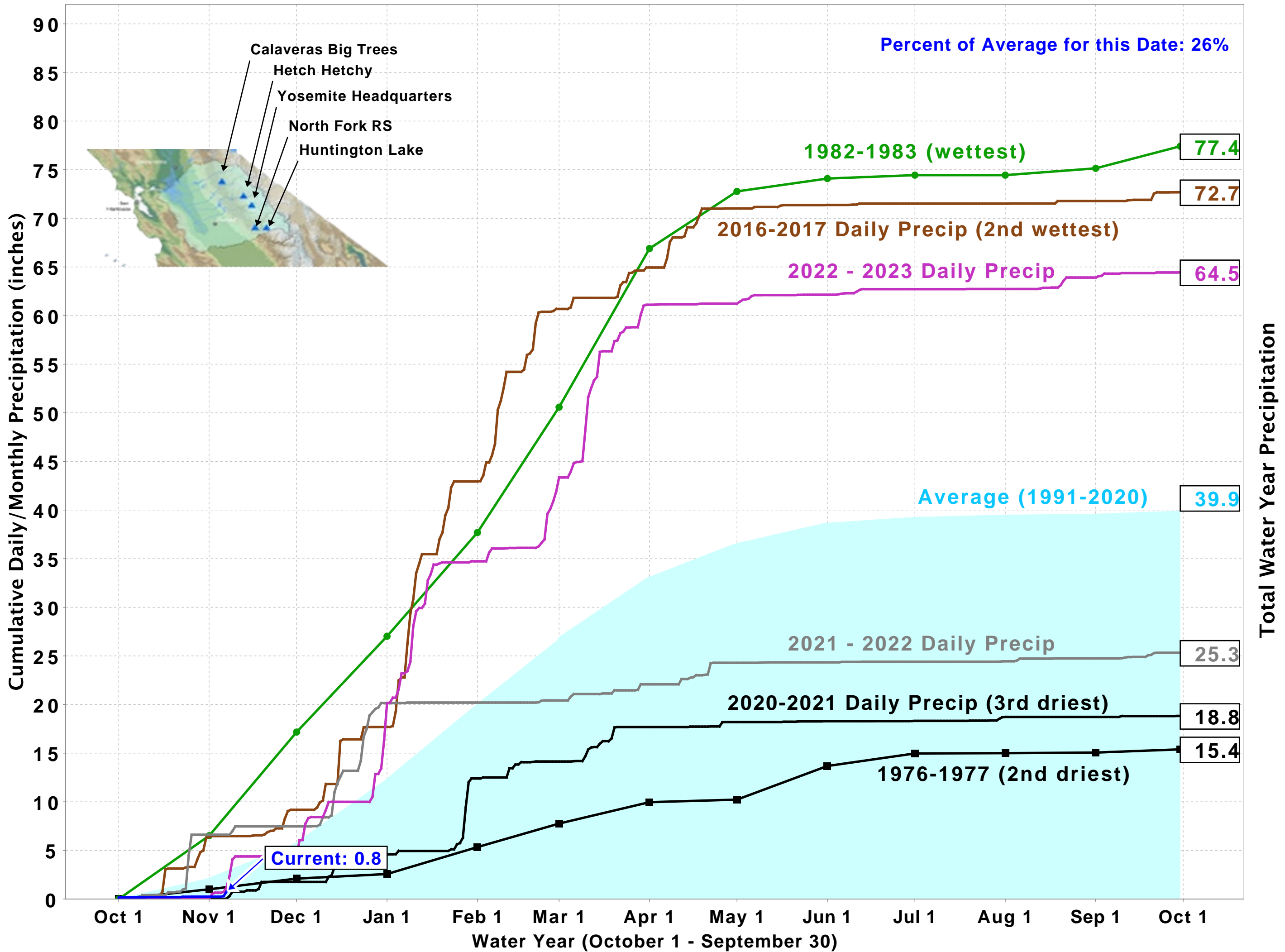
Channel south of Brimhall Road – Before & After



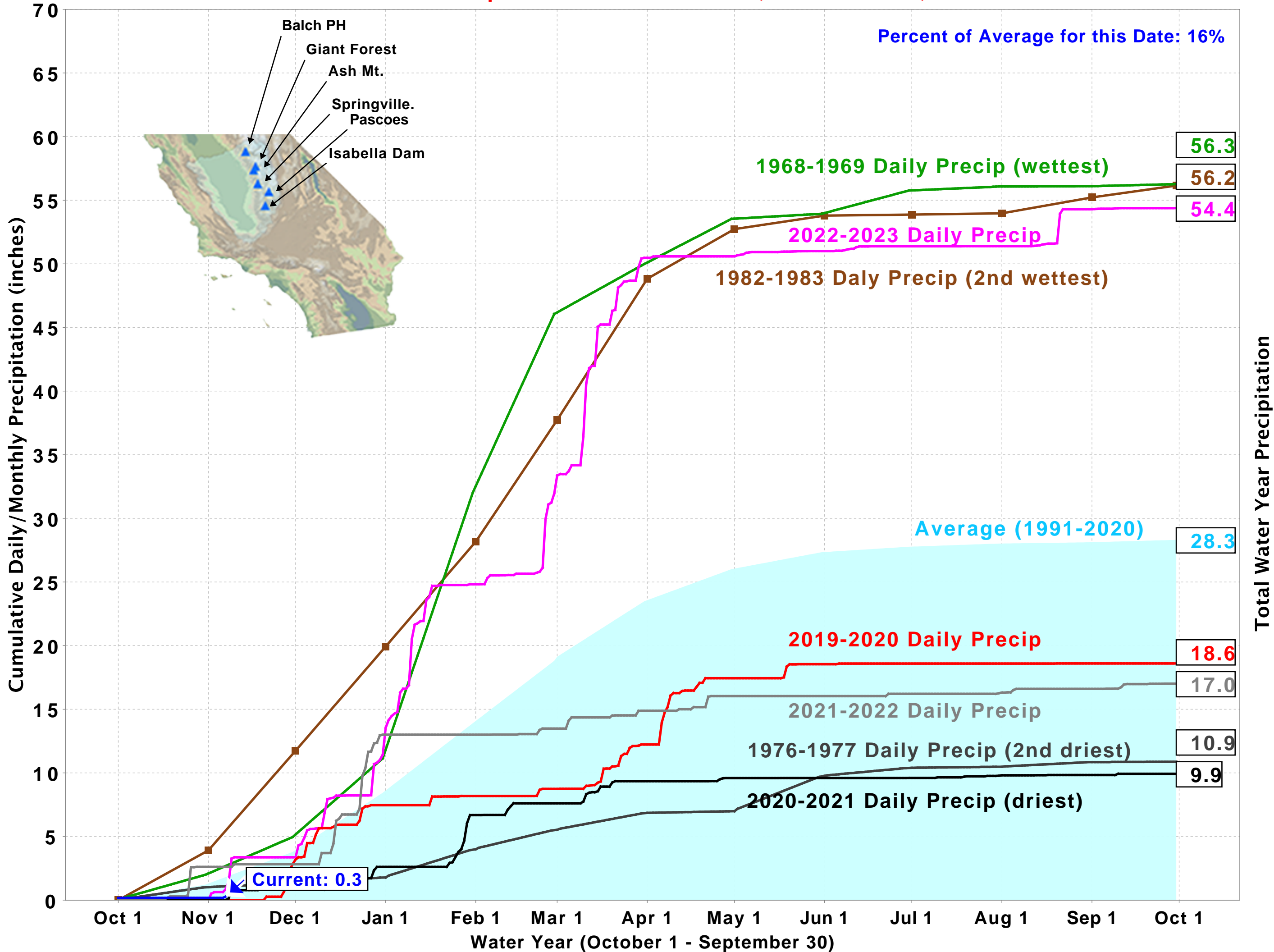




# San Joaquin Precipitation: 5-Station Index, November 07, 2023

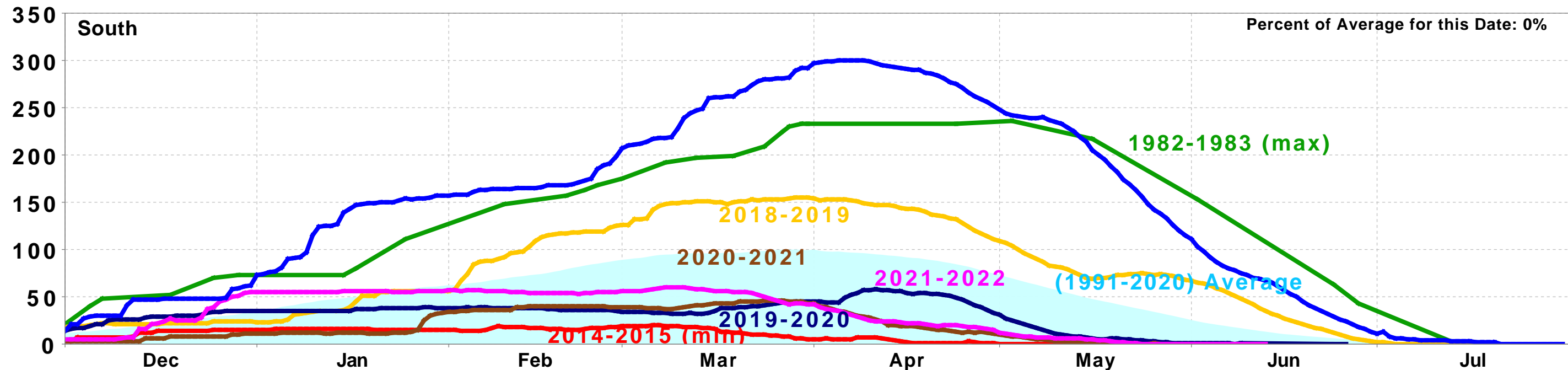
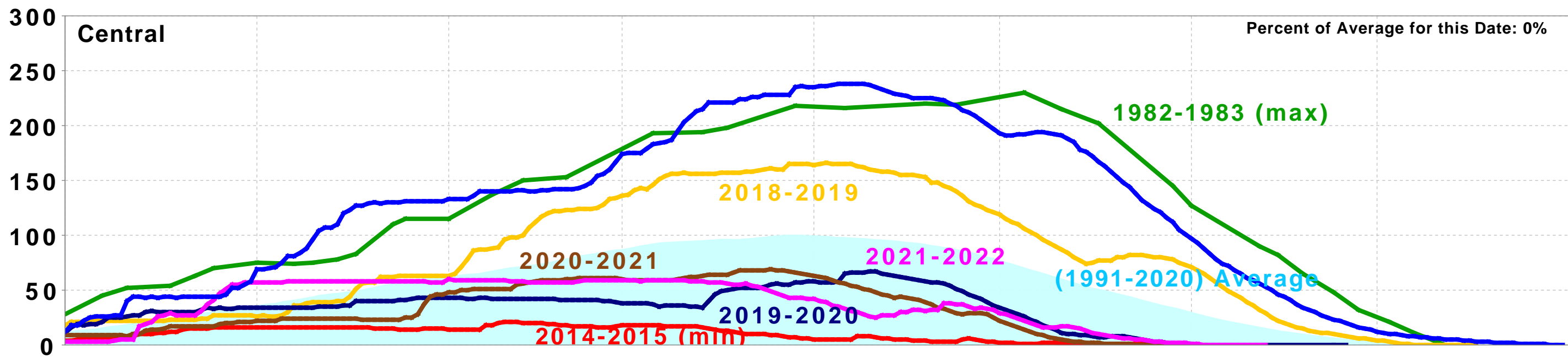
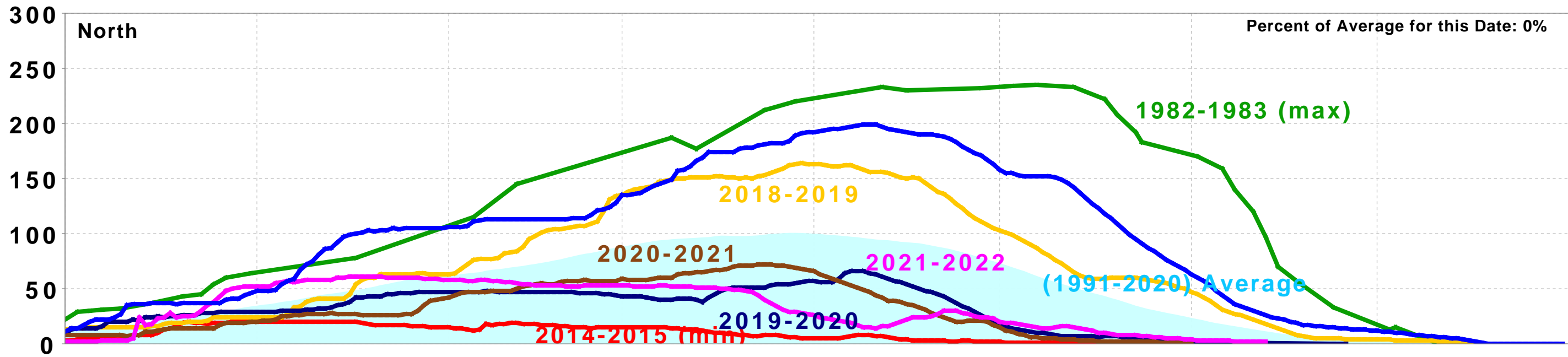


# Tulare Basin Precipitation: 6-Station Index, November 07, 2023





# California Snow Water Content, July 31, 2023, Percent of April 1 Average



Statewide Percent of April 1: 0%

Statewide Percent of Average for Date: 0%

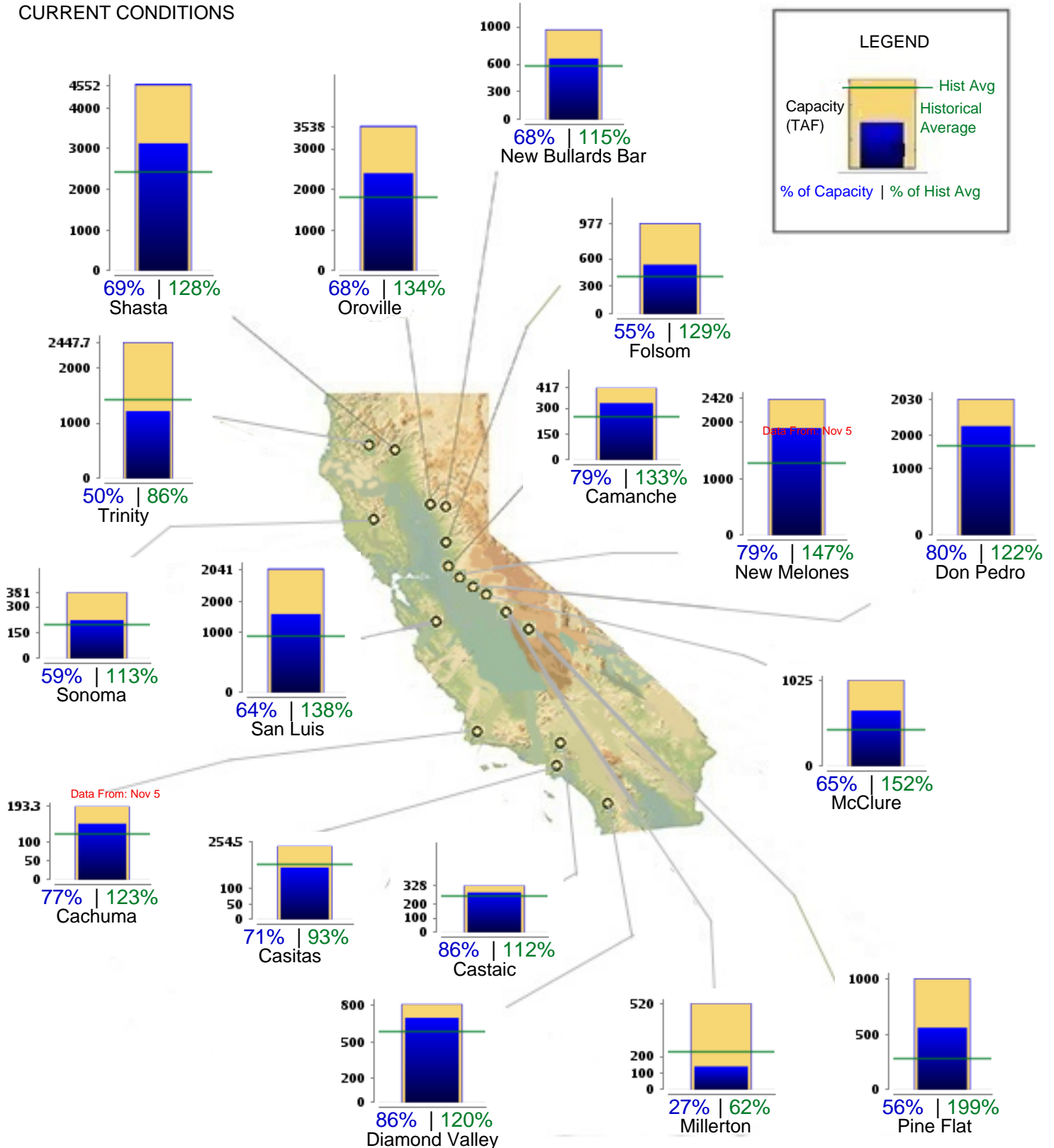


# CURRENT RESERVOIR CONDITIONS

## CALIFORNIA MAJOR WATER SUPPLY RESERVOIRS

Midnight - November 6, 2023

### CURRENT CONDITIONS





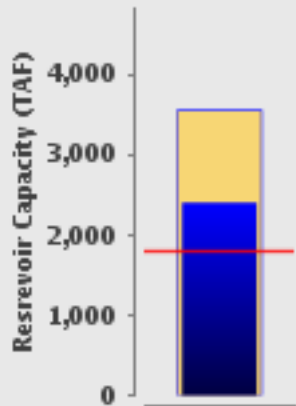


# CURRENT RESERVOIR CONDITIONS



## Lake Oroville Conditions

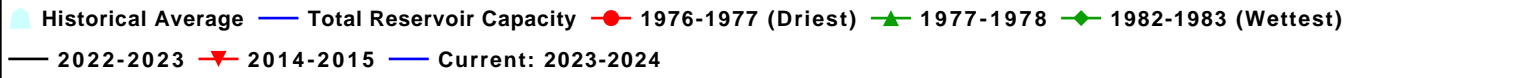
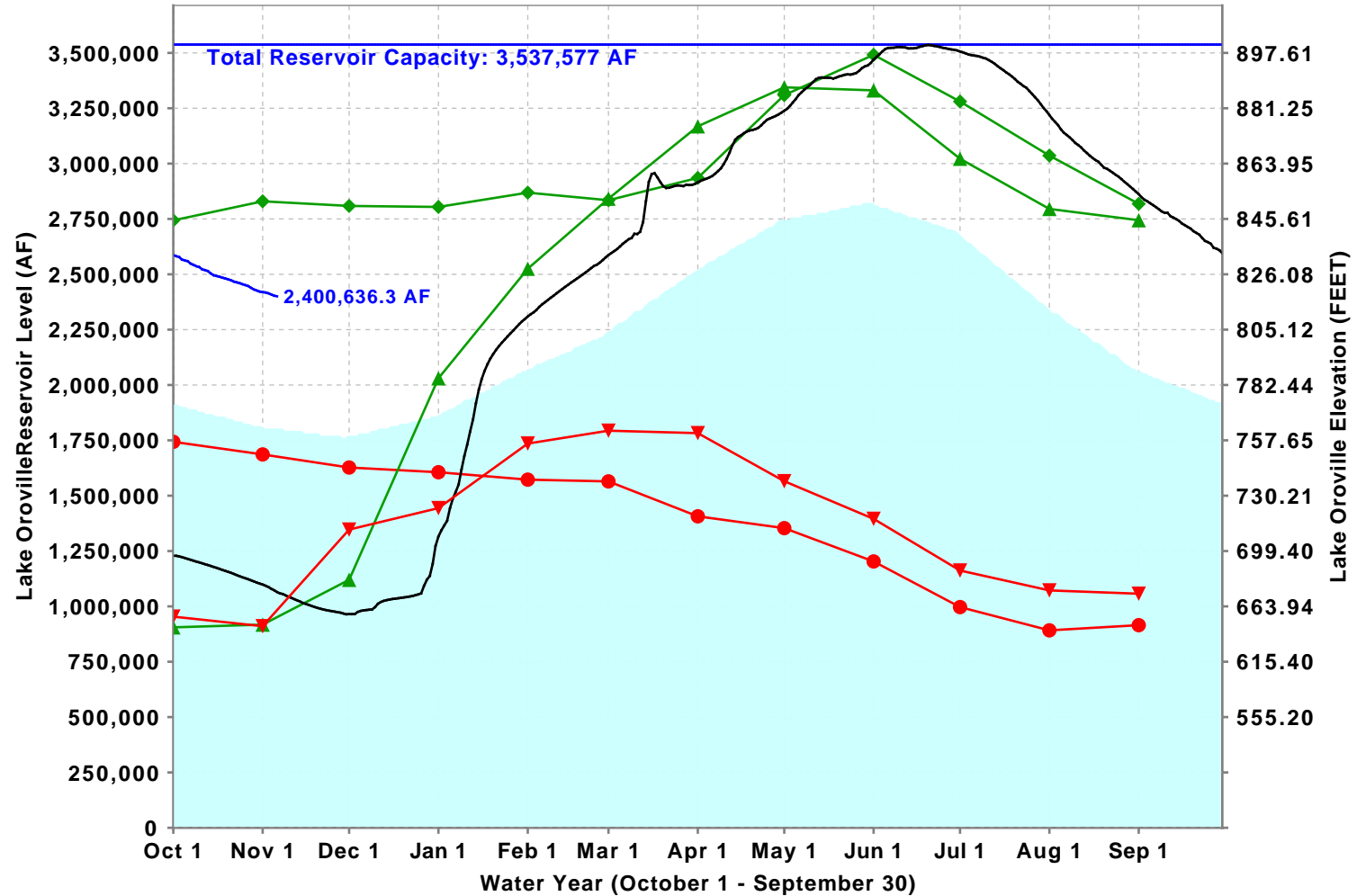
(as of Midnight - November 6, 2023)



Current Level: 2,400,636.3 AF

68% (Total Capacity) | 134% (Historical Avg.)

Lake Oroville Levels: Various Past Water Years and Current Water Year, Ending At Midnight November 6, 2023



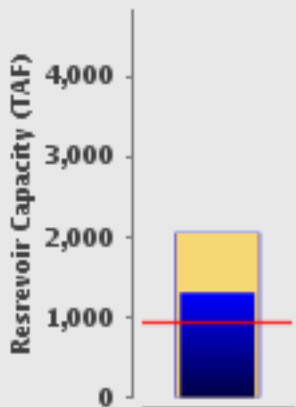


# CURRENT RESERVOIR CONDITONS



## San Luis Res Conditions

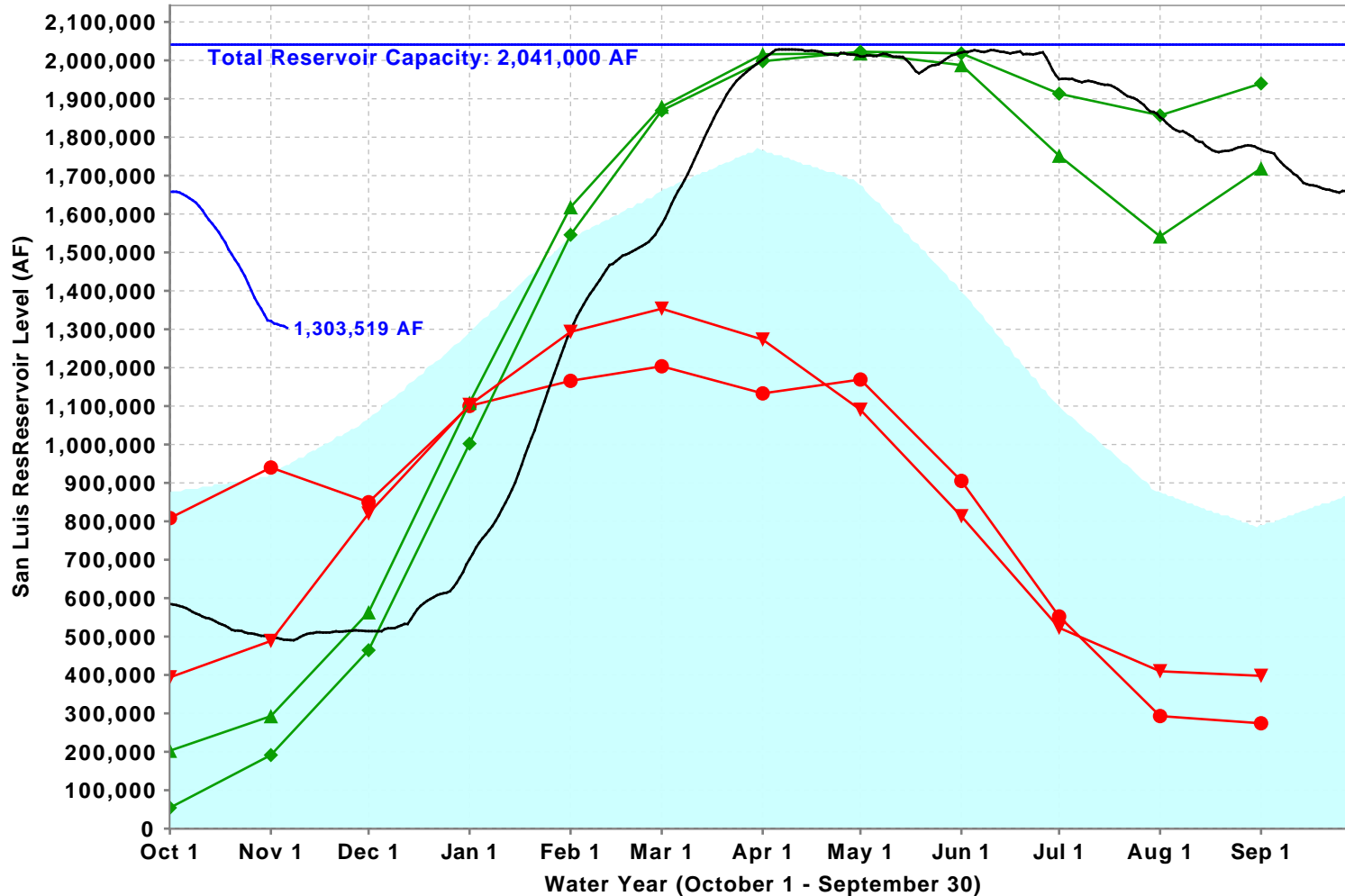
(as of Midnight - November 6, 2023)



Current Level: 1,303,519 AF

64% (Total Capacity) | 138% (Historical Avg.)

San Luis Res Levels: Various Past Water Years and Current Water Year, Ending At Midnight November 6, 2023







**RRB** ROSEDALE-RIO BRAVO  
WATER STORAGE DISTRICT

NOVEMBER 2023  
STRATEGIC PLAN  
MONTHLY UPDATE



PURPOSE

TO BE RESPONSIBLE STEWARDS OF WATER, A VALUED RESOURCE



MISSION

BUILDING A SUSTAINABLE WATER SUPPLY TO HELP OUR COMMUNITY THRIVE



VALUES

SUSTAINABILITY  
INNOVATION  
GRACIOUS  
HARD-WORKING  
TRUSTWORTHY



STRATEGIC  
PRIORITIES

SUSTAINABILITY/RESILIENCY, LONG-TERM HEALTHY PARTNERSHIPS, FINANCIAL STRENGTH, TEAMWORK, INNOVATION/CREATIVITY



1

GOAL #1: DEVELOP AND IMPROVE LONG-TERM PARTNERSHIPS

2

GOAL #2: ACQUIRE OTHER WATER SUPPLIES

3

GOAL #3: DEVELOP A WATER CHARGE TO SUPPORT SGMA IMPLEMENTATION

4

GOAL #4: LIVE OUT AN INTENTIONAL AND FOCUSED PROJECT PLAN FOR MAJOR INITIATIVES

5

GOAL #5: ENSURE THAT KEY RESPONSIBILITIES WITHIN THE AGENCY ARE SUSTAINABLE AND EFFICIENT

GOAL # 4 OBJECTIVES	PRIORITY	STATUS	OWNER
Continue implementation of Onyx Ranch Project	HIGH	DELAYED	Dan Bartel
Develop long-term water supply acquisition strategy	MEDIUM	IN PROGRESS	Trent Taylor
Continue and improve proper District Administration and Finance strategies	MEDIUM	IN PROGRESS	Megan Misuraca
Continue to influence other GSAs and Management Areas toward Kern Sub-basin sustainability	HIGH	IN PROGRESS	Dan Bartel
Evaluate and develop projects and Management Actions that align with the District's long-term SGMA and financial goals	HIGH	IN PROGRESS	Dan Bartel (Projects) Trent Taylor (MAs)

TO: Rosedale-Rio Bravo Water Storage District Board of Directors  
Agenda Item 6b.

FROM: Rachelle Echeverria

DATE: November 14, 2023

RE: Consideration of Continuing Emergency Action – Public Contract Code  
§22050(c)(1) – Resolution No. 531

**Discussion:**

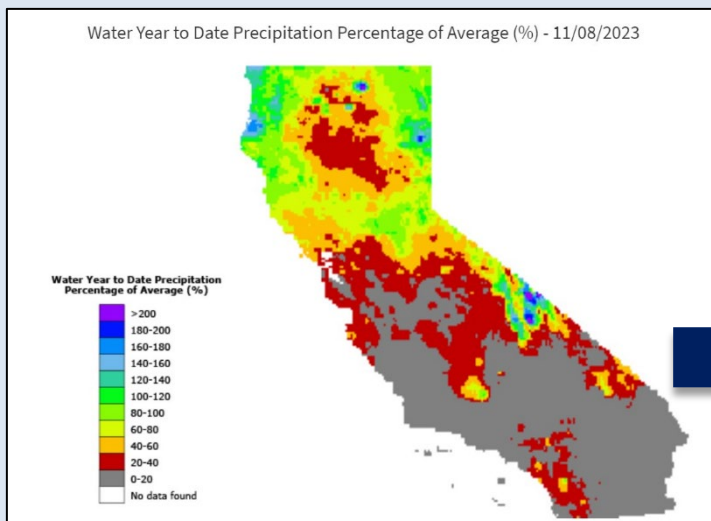
In March of 2023, Governor Newsom released Executive Order N-4-23, which declared a state of emergency due to severe winter storms and flooding within California. The order authorized state agencies to take necessary actions to protect public health, safety, and property, and directed state agencies to coordinate with local governments and assist in the response and recovery efforts. The Executive Order aims to temporarily lift regulations and set clear conditions for diverting flood waters without permits to boost groundwater recharge storage.

Due to this unprecedented wet year, major California reservoirs are near capacity and have surpassed historical averages. On April 20, 2023, the Department of Water Resources (DWR) announced an increase in the State Water Project (SWP) allocation from 75% to 100% of requested supplies. Additionally, on August 4, 2023, Governor Newsom signed another Executive Order, N-10-23, to prepare for the next wet season by expediting critical work like levee repairs and debris removal to help protect communities and conserve water. A copy of the executive order can be found [here](#). This action builds on Governor Newsom's series of measures to protect communities from flooding while replenishing California's groundwater and storage. Governor Newsom also signed legislation in July to accelerate judicial review for water storage projects.

In light of such conditions, the District must be prepared to protect the interests of water users and farmers within the District. Resolution No. 531 would authorize the General Manager to take all necessary actions to address the Governor's emergencies. Therefore, there is still a need to continue emergency action.

**Recommendation:**

District staff recommends that the Board of Directors approve a motion to continue the emergency action authorized by Resolution No. 531.



Visit the Department of Water Resources California WATER WATCH website for the most current local and statewide water conditions by clicking [here](#) or using the QR code below.





TO: Rosedale-Rio Bravo Water Storage District Board of Directors  
Agenda Item 7.a.i

FROM: Dan W. Bartel

DATE: November 14, 2023

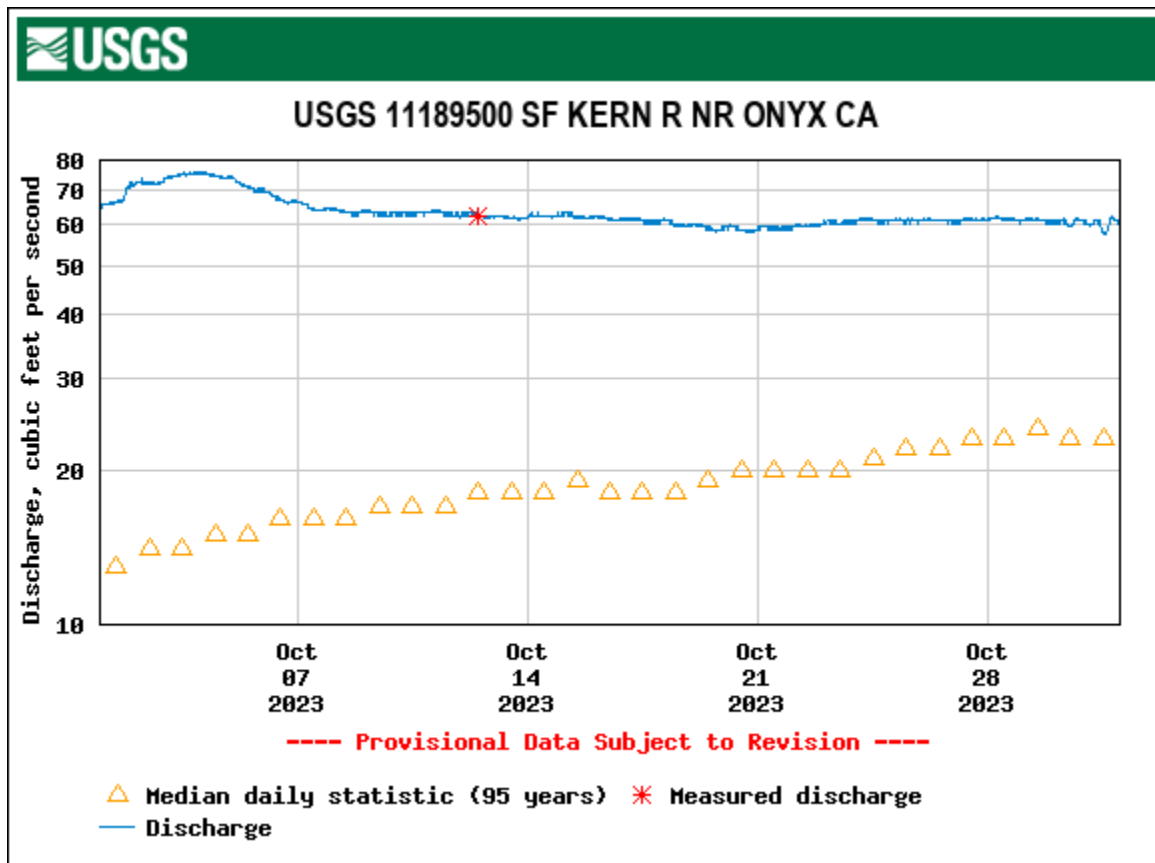
RE: Onyx Ranch Operations Report

**Discussion:**

Staff has:

- Continued operation of non-project conveyance
- Staff stream gaged and calculated accretions 6 times during the month.
- USGS verified South Fork flow on October 12.
- Preparing for ditch cleaning and spill box replacement on the Smith Ditch
- Continued with fencing projects.

South Fork flows downstream of Bloomfield averaged 64 cfs plus calculated accretions of 14 cfs, for a total average flow of about 78 cfs.









# South Fork Kern River Monthly Measurement Report

**October-2023**

Daily values in SFD = Second Foot Days, Monthly total in AF = Acre-Feet

Date	South Fork				D.Prince (4,5,17,20-22,37)			Hafenfeld (5)			RRBWS (1,3,6,7,12, Wirth1, 30,33, Boone,1/3 Smith)				J.Nicoll (3)	Audubon (4,5,9,Wirth1,17,18) (20-22,Wirth2,27,29,37)		Smith (2/3 Smith)	Total Diverted	South Fork		RRBWS to Isabella	
	Mean Flow	USGS - Onyx @ 0500	Accretions	Doyle Ranch Road	Mill/Hillside	Miller	Prince	Miller	Landers	Cottonwood	Scodie/Mack	Landers	Nicoll	Redirected "Gross Project Water"	Nicoll	Cottonwood	Nicoll	Smith		Sierra Way "Flow"	Patterson "Flow"		"Net Project Water"
1	67	66	17			6.3	13.2						7.3	26.0		5.5		3.2	42	Yes	Yes	22	
2	73	73	17			6.0	12.6						7.4	26.0		6.0		4.0	42	Yes	Yes	22	
3	75	75	17	74		6.2	13.5						7.4	26.0		6.0		4.0	43	Yes	Yes	22	
4	75	75	17			0.3	11.5						7.3	26.0		6.0		4.2	30	Yes	Yes	22	
5	71	73	17			0.0	12.8						7.5	26.0		7.5		3.9	32	Yes	Yes	22	
6	68	69	17			0.0	10.8						7.3	26.0		7.0		3.6	29	Yes	Yes	22	
7	65	65	17	64			10.1							26.0	7.2	6.5	3.3	27	Yes	Yes	22		
8	64	64	16				8.5							26.0	7.3	6.0	3.1	26	Yes	Yes	22		
9	63	64	16				11.0							26.0	7.1	6.0	3.1	27	Yes	Yes	22		
10	63	63	16				7.1							26.0	7.2	6.0	3.1	23	Yes	Yes	22		
11	63	64	16				7.3							26.0		6.0	7.1	3.0	23	Yes	Yes	22	
12	63	63	16				1.8							26.0		6.0	4.8	3.0	13	Yes	Yes	22	
13	62	64	16				1.4							26.0		5.5		3.0	15	Yes	Yes	22	
14	62	63	16	64								7.9		26.0		5.5	4.8	2.9	13	Yes	Yes	22	
15	62	63	14			5.5		5.5						26.0		5.0	3.2	3.0	22	Yes	Yes	22	
16	62	63	14			5.5		5.5						26.0		6.0	3.1	3.0	23	Yes	Yes	22	
17	61	62	14	57		5.5		5.5						26.0		5.0	3.0	2.8	22	Yes	Yes	22	
18	60	61	6			5.2	1.3							26.0		6.0	2.9	2.8	23	Yes	Yes	22	
19	59	60	6			5.2		5.2					7.9	26.0		6.5		2.6	27	Yes	Yes	22	
20	59	60	6	59		5.2		5.2						26.0		6.5	3.0	2.6	22	Yes	Yes	22	
21	59	60	11			5.1		5.2						26.0		6.0	2.9	2.6	22	Yes	Yes	22	
22	60	60	11			5.5		5.5						26.0		6.0	3.0	2.6	23	Yes	Yes	22	
23	61	61	11			5.5		5.5						26.0		6.0	2.8	2.8	23	Yes	Yes	22	
24	61	61	11			6.5		6.5						26.0		6.5	3.0	2.8	25	Yes	Yes	22	
25	61	61	11			6.0		6.0						26.0		6.5	3.0	3.0	25	Yes	Yes	22	
26	61	61	11			6.5		6.5						26.0		6.0	2.9	2.8	25	Yes	Yes	22	
27	61	61	11			6.8	4.8	6.8						26.0		6.5	2.9	2.8	30	Yes	Yes	22	
28	61	62	11	64		6.8	2.1	6.8						26.0		6.5	2.9	2.9	28	Yes	Yes	22	
29	61	61	14			6.8	1.9	6.8						26.0		6.5	2.9	2.9	28	Yes	Yes	22	
30	61	61	14			6.8	1.8	6.8						26.0		6.0	2.8	2.8	27	Yes	Yes	22	
31	60	60	14			6.7	1.8	6.8						26.0		6.5	2.8	2.8	27	Yes	Yes	22	
SFD	1,963	1,977	419		0	120	135	120	0	0	0	0	0	60	806	29	190	64	89	806	0	0	693
AF	3,894	3,922	830		0	237	269	237	0	0	0	0	0	119	1,599	57	376	126	176	1,598	0	0	1,375
		64	14			506		237						57		502		176	26				22.4

Note:

historical cap =  26

**Bold ##** on USGS denotes USGS gage verification  
Miller and Smith went down for maintenance

RRB Nicoll deliveries to Boone field (non-project)





**DEE JASPAR & ASSOCIATES, INC.**  
CONSULTING CIVIL ENGINEERS  
2730 UNICORN ROAD, BLDG A  
BAKERSFIELD, CA 93308  
PHONE (661) 393-4796  
FAX (661) 393-4799

---

November 6, 2023

Dan Bartel, General Manager/Engineer  
c/o Rosedale Rio Bravo Water Storage District  
P.O. Box 20820  
Bakersfield, CA 93390

**Re: Rosedale Rio Bravo Water Storage District  
Proposed Pipeline Easement Acquisition for Weldon Regional Water District**

Dear Mr. Bartel,

The Weldon Regional Water District is pursuing the drilling of a new municipal water well with an approximate yield of 400 gpm and a 12-inch diameter transmission main from the new well facility to the Rainbird Mutual Water Company. The District hereby requests a 20-ft wide pipeline easement across three parcels – APN's 426-032-10, 12, & 13.

The Weldon Regional Water District is not completed yet with its District formation, however the well and pipeline project have received grant funding in order to address water quality violations within the Rainbird Mutual Water Company which will ultimately become part of the Weldon Regional Water District. In the meantime, the well site is an easement granted to Long Canyon Water Company, which also intends to become part of the Weldon Regional Water District, and upon completion of the District formation the well will be transferred to the Weldon Regional Water District.

The new well facility is planned to be connected to Rainbird Mutual Water Company by a 12-inch diameter transmission main. A 20-ft wide easement for the pipeline is requested which entails approximately 2.73 acres across the three parcels noted above.

An appraisal for the proposed pipeline easements has been provided by Alliance Ag and is attached for your review. The value for permanent easement has been established as \$4,500 per acre.

The easement documents are attached for review and execution.

The District is pleased to make an offer of \$12,465.00 for the proposed 20-ft wide permanent pipeline easements. Please let us know if this offer is acceptable.



Please contact me at 661-332-6347 if you have any questions or would like to request a meeting.

Sincerely,



Curtis M. Skaggs, PE  
Project Civil Engineer



Enclosures



## WATER PIPELINE EASEMENTS





**DEE JASPAR & ASSOCIATES, INC.**  
**CONSULTING CIVIL ENGINEERS**  
2730 UNICORN ROAD, BLDG A  
BAKERSFIELD, CA 93308  
PHONE (661) 393-4796  
FAX (661) 393-4799

November 6, 2023

Dan Bartel, General Manager/Engineer  
c/o Rosedale Rio Bravo Water Storage District  
P.O. Box 20820  
Bakersfield, CA 93390

**Re: Rosedale Rio Bravo Water Storage District  
Proposed Easement Acquisition – APN’s: 426-032-10, 426-032-12, and 426-032-13**

Dear Mr. Bartel,

This letter is sent to follow up on previous conversations we have had with you regarding the Weldon Regional Water District’s (District) potential need to acquire easements through your property for the construction, operation and maintenance of District water facilities. We have endeavored to minimize impacts to your property while still meeting the District’s objectives by proposing to install the water pipeline along the northerly boundaries of the properties and parallel to the Highway 178 right-of-way. In addition, we are requesting an easement along the easterly boundary of APN 426-032-12 for purposes of connection to the existing Rainbird Valley Mutual Water Company distribution system. We have prepared final plats and legal descriptions representing the location and alignment of proposed pipeline easements across the above referenced parcels.

An appraisal for the proposed pipeline easements has been provided by Alliance Ag and is attached for your review. The value for permanent easement has been established as \$4,500 per acre. Below is a summary of the pipeline easement value:

<b>Parcel</b>	<b>Easement Acreage</b>	<b>Value</b>
APN 426-032-10	0.57 acres	\$2,565
APN 426-032-12	1.69 acres	\$7,605
APN 426-032-13	0.51 acres	\$2,295
<b>Total:</b>	<b>2.73 acres</b>	<b>\$12,465</b>

The District is pleased to make an offer of \$12,465.00 for the proposed 20-ft wide permanent pipeline easements. Please let us know if this offer is acceptable.



Please contact me at 661-332-6347 if you have any questions or would like to request a meeting.

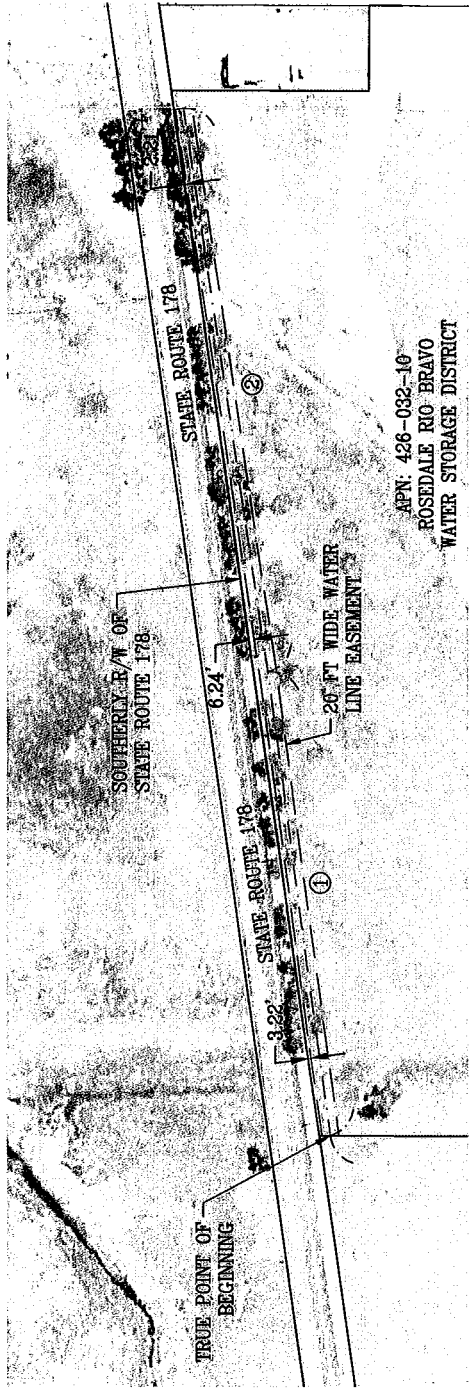
Sincerely,

A handwritten signature in blue ink, appearing to read "Curtis M. Skaggs".

Curtis M. Skaggs, PE  
Project Civil Engineer

Enclosures





SOUTH WEST COR  
SECTION 14 26S/34E

N0°10'44"E  
1772.43'

POINT OF BEGINNING  
SOUTH QUARTER CORNER  
SECTION 14 26S/34E

SOUTH EAST COR  
SECTION 14 26S/34E

2645.48'

N89°47'11"W  
5290.83'

2645.35'

EASEMENT CENTERLINE	BEARING	DISTANCE
①	N82°28'26"E	545.56'
②	N81°14'46"E	667.35'

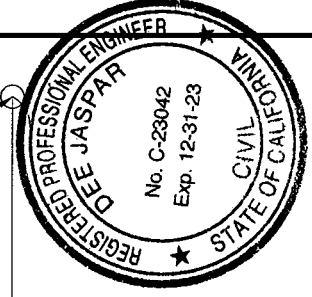
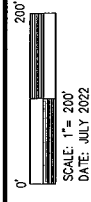


EXHIBIT "B"

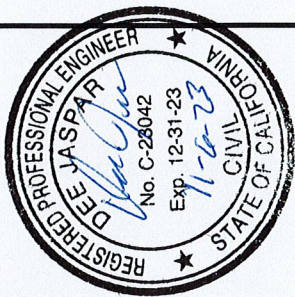
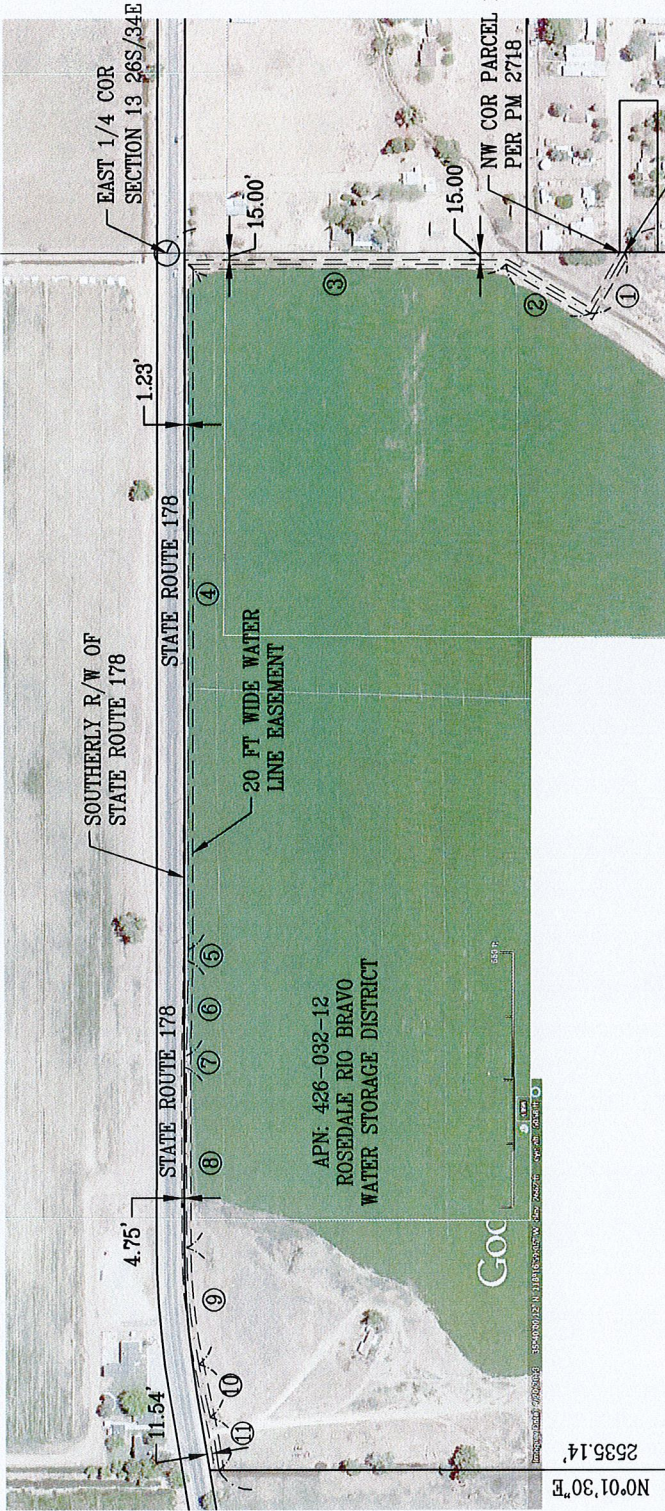
OWNER: ROSEDALE RIO BRAVO WATER STORAGE DISTRICT  
APN 426-032-10  
PARCEL ACREAGE: 17.44  
PERMANENT EASEMENT ACREAGE: 0.56



PIPELINE EASEMENT PLAT  
**WELDON REGIONAL WATER SYSTEM**

**DEE JASPAR & ASSOCIATES, INC.**  
CIVIL ENGINEERS  
PORTERVILLE, CALIFORNIA  
BAKERSFIELD, CALIFORNIA  
PHONE 559.791-9286  
PHONE 805.353-4795



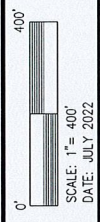


POINT OF BEGINNING  
SOUTH EAST COR  
SECTION 13 26S/34E

OWNER: ROSEDALE RIO BRAVO WATER STORAGE DISTRICT  
APN 426-032-12  
PARCEL ACREAGE: 238.18  
PERMANENT EASEMENT ACREAGE: 1.69

EASEMENT CENTERLINE	RADIUS	LENGTH	DELTA
⑥	1200.00	24.20'	Δ01°09'20"
⑦	1200.00	25.95'	Δ01°14'21"
⑧	1200.00	253.78'	Δ12°07'01"
⑪	1200.00	115.71'	Δ05°31'29"

EASEMENT CENTERLINE	BEARING	DISTANCE
①	N59°52'56"W	152.80'
②	N30°07'04"E	213.46'
③	N00°00'47"W	695.62'
④	N89°53'46"W	1487.36'
⑥	N88°44'26"W	205.24'
⑧	N89°58'47"W	390.06'
⑪	S77°54'12"W	117.43'



PIPELINE EASEMENT PLAT  
**WELDON REGIONAL WATER SYSTEM**

EXHIBIT "B"

**DEE JASPAS & ASSOCIATES, INC.**  
CIVIL ENGINEERS  
PORTERVILLE, CALIFORNIA  
BAKERSFIELD, CALIFORNIA  
PHONE 559 791-9286  
PHONE 661 393-4796







TO: Rosedale-Rio Bravo Water Storage District Board of Directors  
Agenda Item 7.a.iv

FROM: Zach Smith

DATE: November 14, 2023

RE: Consideration of Purchase and Installation of Metal Shop Building

**Discussion:**

The existing shop building at Onyx Ranch is in need of replacement. The structure is old, and the roof is continuing to deteriorate. Staff cannot work in the shop during wind events, and the dirt floors are uneven and unsafe. In addition, the existing shop is not tall enough to store or maintenance our equipment.

Staff propose replacing the existing building with a 40' x 50' metal building. The new building would have two 12'x14' rollup doors, one 12' x 12' rollup door, and a man door. The building would be approximately 16' tall.

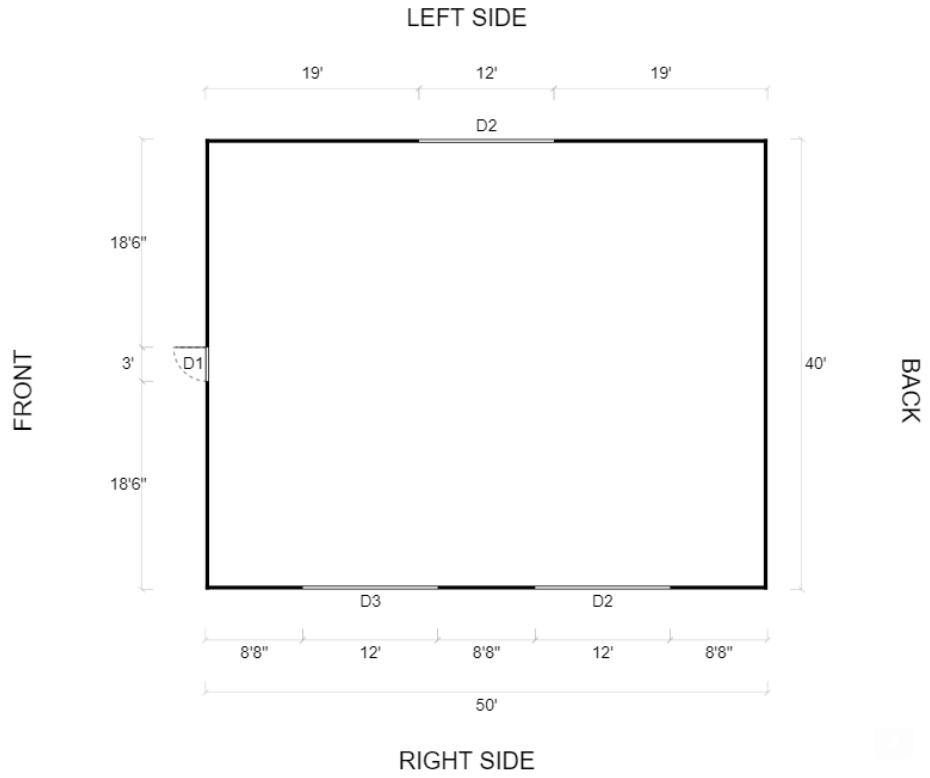
The new building would require a new concrete pad and insulation.

**Recommendation:**

Staff recommends that the Board authorize the purchase and installation of a new metal shop building for an amount not to exceed \$95,000.



Existing Onyx Shop Building





TO: Rosedale-Rio Bravo Water Storage District Board of Directors  
Agenda Item 7.b.i.

FROM: Dan Bartel and Markus Nygren

DATE: November 14, 2023

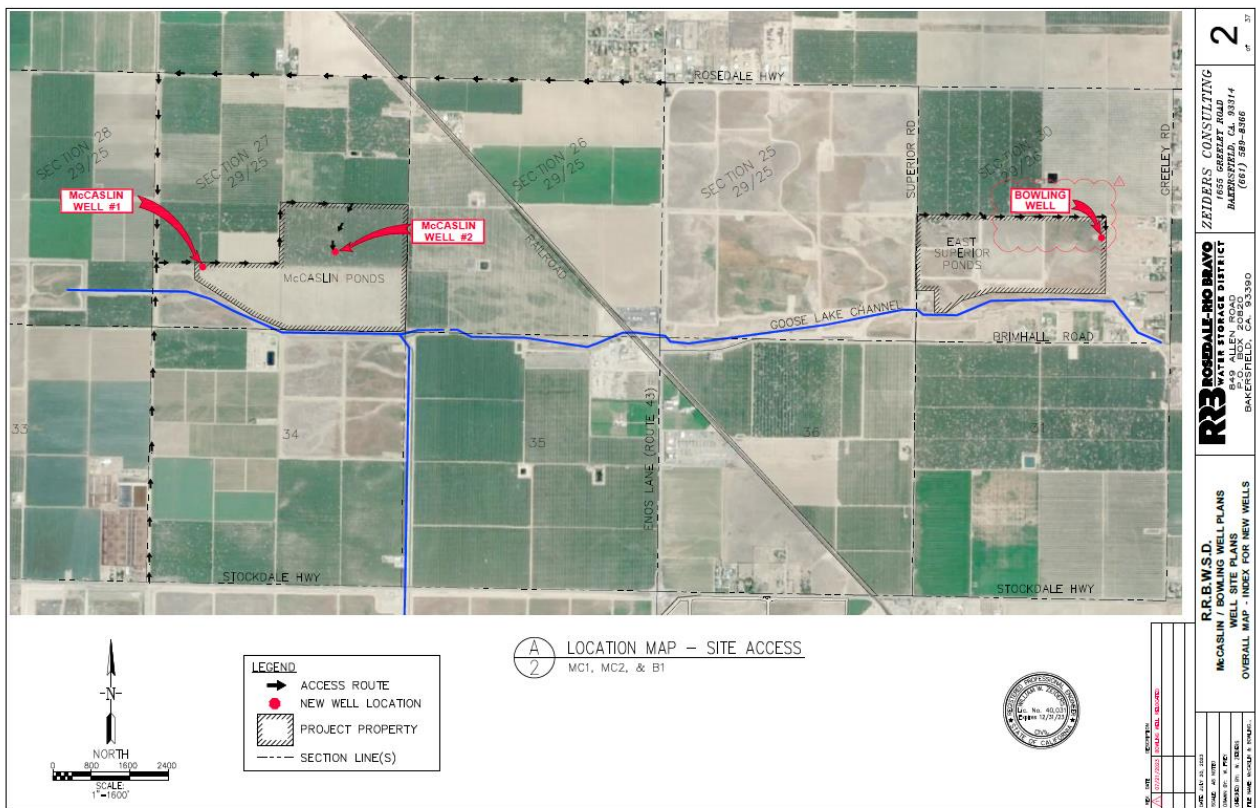
RE: Improvement Projects

**Discussion:**

**Bowling and McCaslin Recovery Well Project**

**Bidding of the McCaslin / Bowling Recovery Well Project**

Three additional recovery wells are to be drilled and completed, two at the McCaslin Recharge site, and one well at the Bowling Recharge site in East Superior. The District is receiving two million dollars as part of the WaterSMART Drought Resiliency 2020 award to help supplement the costs. Due to additional delays in the NEPA process with the USBR, construction is planned to begin in the middle of November. In the meantime, District staff will work to get contract documents, submittals, procurement of long lead time items, and necessary permits/applications (SWPPP and PG&E) completed.









November 7, 2023

ROSEDALE RIO BRAVO WSD  
849 ALLEN RD  
BAKERSFIELD CA 93314

Ladies and Gentleman:

This is to advise you that your application for a permit to destroy an agricultural well located in T 29S, R 26E, Section 30, APN 407-320-07, has been received and reviewed. Your permit number is WP 22805.

**No additional conditions are required at this time.**

If you have any questions about your well, please contact our office at (661) 862-8758 or email [ryanj@kerncounty.com](mailto:ryanj@kerncounty.com).

Sincerely,

A handwritten signature in blue ink, appearing to read "Jeremy Ryan".

Jeremy Ryan, R.E.H.S.  
Environmental Health Specialist III  
Water Quality Program

Enclosure

cc: Bakersfield Well & Pump  
File WP 22805

*Grounded in Health*

2700 M St., Suite 300, Bakersfield, CA. 93301 | 661.862.8740 | [www.kernpublichealth.com](http://www.kernpublichealth.com)



# ENVIRONMENTAL HEALTH DIVISION

2700 M Street, Suite 300, Bakersfield, CA 93301

Phone # (661) 862-8740 Fax (661) 862-8701

Email EH@kerncounty.com

## WATER WELL PERMIT APPLICATION

APPLICATION MUST BE SUBMITTED AT LEAST TEN (10) WORKING DAYS PRIOR TO THE PROPOSED STARTING DATE

TYPE OF PERMIT:    Construct New    Reconstruct    Destroy

Permit/Well #: WP 22805

Starting Date: Nov. 2023

**TYPE OF WELL:**

- |   |   |
|---|---|
| <input type="checkbox"/> Domestic/Private (1 connection)                        | <input type="checkbox"/> Test Hole (Drill and Destroy)  |
| <input type="checkbox"/> Domestic (2-4 connections)                             | <input type="checkbox"/> Cathodic Protection  |
| <input type="checkbox"/> Domestic (5 -14 connections)                           | <input type="checkbox"/> Monitoring/Vadose  |
| <input type="checkbox"/> Public Water System<br>(15+ connections or 25+ people) | <input checked="" type="checkbox"/> Agricultural/Industrial<br>(Must complete <b>Intended Use Statement</b> ) |
| <input type="checkbox"/> Other _____  |   |

<input type="checkbox"/> Adjudicated District _____
<input type="checkbox"/> Overdraft Basin _____

OWNER IS RESPONSIBLE FOR ANY ADDITIONAL PAYMENT OF FEES			
OWNER'S INFORMATION		WELL SITE/PROPERTY INFORMATION	
Name: <u>Rosedale - Rio Bravo Water Storage District</u>		Name: _____	
Address: <u>849 Allen Rd</u>		Address: _____	
City: <u>Bakersfield</u>	State: <u>CA</u>	Zip: <u>93314</u>	City: _____ State: _____ Zip: _____
Phone: <u>661-525-9945</u>	E-mail: <u>mnygrone@rrbwsd.com</u>	APN: <u>407-320-07</u>	T: <u>29s</u> R: <u>26E</u> Sec: <u>30</u>
CONTRACTOR'S INFORMATION			
Environmental Contractor: _____		Driller: <u>Bakersfield Well + Pump</u>	C-57: <u>440537</u>
Address: _____		Address: <u>7212 Fruitvale Ave</u>	
City: _____	State: _____	Zip: _____	City: <u>Bakersfield</u> State: <u>CA</u> Zip: <u>93308</u>
Contact: _____	Phone: _____	Contact: <u>Kevin Newlen</u>	Phone: <u>747-0520</u>
E-mail: _____		E-mail: <u>knewlen@bw pumps.com</u>	
PUMP INSTALLATION INFORMATION			
Name: _____		Contact: _____	Phone: _____
Address: _____		E-mail: _____	
City: _____	State: _____	Zip: _____	<input type="checkbox"/> Water Quality Included
<b>CONTACT FOR PAYMENT:</b> <input type="checkbox"/> Owner <input type="checkbox"/> Contractor <input checked="" type="checkbox"/> Driller			
WATER SAMPLE TO BE TAKEN BY: _____			TOTAL ACRES: <u>40</u>
LOCATION OF WELL (GPS COORDINATES): <u>35.374988 119.221799</u>			
Provide detailed directions to site: <u>From Hwy 99 / Rosedale Hwy west / Greeley Rd south / Palm Ave dirt Rd west (1/4 mile) / well on south side 375'</u>			



## WELL CONSTRUCTION INFORMATION

**METHOD:**     Reverse Rotary     Rotary     Air Rotary     Hollow Stem Auger     Other: \_\_\_\_\_

WELL NAME / NUMBER			
MAXIMUM WELL DEPTH			
SEALING MATERIAL			
SEAL DEPTH (HARD ROCK/UNCONSOLIDATED)			
CASING MATERIAL & GAUGE			
CASING - INSIDE DIAMETER			
SCREEN/PERFORATION DEPTH			
CONDUCTOR DEPTH			
CONDUCTOR DIAMETER			
DEPTH TO GROUNDWATER			
LOCKING WELL CAP			
BOREHOLE DIAMETER			
SCREEN MATERIAL & GAUGE			
TYPE OF BENTONITE PLUG & DEPTH			
FILTER PACK MATERIAL & SIZE			
SCREEN SLOT SIZE & LENGTH			
SEALANT PLACEMENT METHOD			

## WELL DESTRUCTION INFORMATION

WELL NUMBER			
WELL DEPTH	524' +/-		
CASING MATERIAL	Steel .250 wall 16"		
SEALANT MATERIAL	10.5 Sac Sand Slurry		
SEALANT PLACEMENT METHOD	Tremmie / Pumped		

### GENERAL CONDITIONS FOR DESTRUCTION:

1. A well destruction application must be filed with this Division if a well is being destroyed that is not in conjunction with a test hole permit.
2. Steel tremie pipe must be used if seal material is pumped into well.
3. A representative of this Division must witness placement of the seal material. Forty-eight hour advanced notice is required for an appointment.

### PLOT PLAN REQUIREMENTS:

Attach a plot plan with the exact location of water well with respect to the following items: property lines, adjoining properties, water bodies or courses, drainage pattern, roads, existing wells, structures, sewers or private disposal systems. Include distance from two property lines. For Domestic, Agriculture, Industrial well, provide location of any water wells or surface water within 200' radius of proposed well. For monitoring wells provide a description of the facility to monitor including: location of tanks, proposed monitoring and placement.

**GENERAL CONDITIONS FOR ALL PERMITS:**

Permit applications may be submitted to the Planning Department by county staff for zoning, access, and flood plain clearances prior to approval of the Environmental Health Division (EHD). If you are drilling within city's limits, you will have to receive approval from their Planning Department.

1. Permit applications must be submitted to EHD at least ten (10) working days prior to the proposed starting date.
2. Well site approval is required before beginning any work related to water well construction. It is unlawful to continue work past the stage at which an inspection is required unless inspection is waived or completed.
3. Other required inspections include setting conductor casing, all seals, and final construction features.
4. In areas where a water well penetrates more than one aquifer, and one or more of the aquifers may contain water which is of a quality which may degrade the other aquifer(s) penetrated if allowed to commingle, an E-Log shall be required to determine the location of the confining clay layer(s) and assist in the placement of any required annular seal(s).
5. A phone call to the **Division Hotline at (661) 862-8788** is required 48 hours before the placement of any seals or plugs. **No seals shall be called for after 2:00 pm without prior approval or in case of an emergency.**
6. Approval of water quality and final construction features is required before the water well is put into use.
7. Construction under this permit is subject to any instructions by EHD representatives.
8. Any misrepresentation or noncompliance with required permit conditions, or regulations, will result in issuance of a "Stop Work Order."
9. A copy of the Department of Water Resources Well Completion Report and water quality analyses must be submitted to EHD within sixty-(60) days after completion of the work.
10. "Dry" and "Test" holes must be properly destroyed within two (2) weeks of drilling. A water well destruction application must be filed with EHD.
11. The permit is void one (1) year after date of issuance if work has not been started and reasonable progress toward completion made. Fees are not refundable or transferable.
12. Lead appurtenances shall not be used in construction of any private or public water supply system. The use of solders containing more than 2/10 of 1% lead is prohibited in making joints and fittings in any private or public potable water system.
13. A C-57 contractor licensed in accordance with the provisions of the Contractor's License Law (Chapter 9, Division 3, of the Business and Professions Code) unless exempted by that act, and registered to drill within the County of Kern shall perform drilling of a water well.
14. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the County of Kern and/or Kern County Water Agency, its officers, agents, and employees, free and harmless from any and all expense, cost or liability in connection with or resulting from the exercise of this permit, including, but not limited to, property damage, personal injury, and wrongful death.
15. Permit applications may be subject to Executive Order N-7-22 Sections 9A and 9B if applicable.

I UNDERSTAND THAT FUTURE DEVELOPMENT PERMITS MAY NOT BE ISSUED (KCOC 17.04.120) UNLESS RECORDED LEGAL ACCESS TO THE PROPERTY CAN BE DEMONSTRATED.

I certify that I am the owner of the above-described property, or the authorized representative of such owner, and that all the information I have furnished is current and accurate to the best of my knowledge, and I intend to construct the water well as represented above. I understand that all work is to be done in accordance with Kern County Ordinance Code Chapter 14.08, Bulletin 74-81 and all subsequent bulletins and the conditions of the Permit Application, including any conditions, which may be added or changed by EHD upon review of this Application and issuance of the Permit. I further understand that any permit issued pursuant to this application is subject to such further conditions as may be deemed necessary to ensure compliance with the permit regulations.

Owner's Signature *Mark [unclear]* Date 11/6/23 Authorized Agent or Agency RRBWS Date 11/6/23

**THIS APPLICATION BECOMES A PERMIT WHEN APPROVED**

<b>For Internal Use Only</b>			
Permit Approved By: <u>JR</u>	Total Fee: _____	Date Paid: _____	
Date: <u>11-7-23</u> Expires On: <u>11-7-24</u>	Zoning: _____	Date: _____	
Per approved site plan; changes may be subject to review	Flood Plain Approval Required: <input type="checkbox"/> Yes <input type="checkbox"/> No	Executive Order 9A <input type="checkbox"/> Met <input type="checkbox"/> N/A	
E-Log Required: <input type="checkbox"/> Yes <input type="checkbox"/> No	Elevate Casing Above Grade: _____	9B <input type="checkbox"/> Met <input type="checkbox"/> N/A	

**REASONS FOR DENIAL OR CONDITIONS OF PERMIT:**

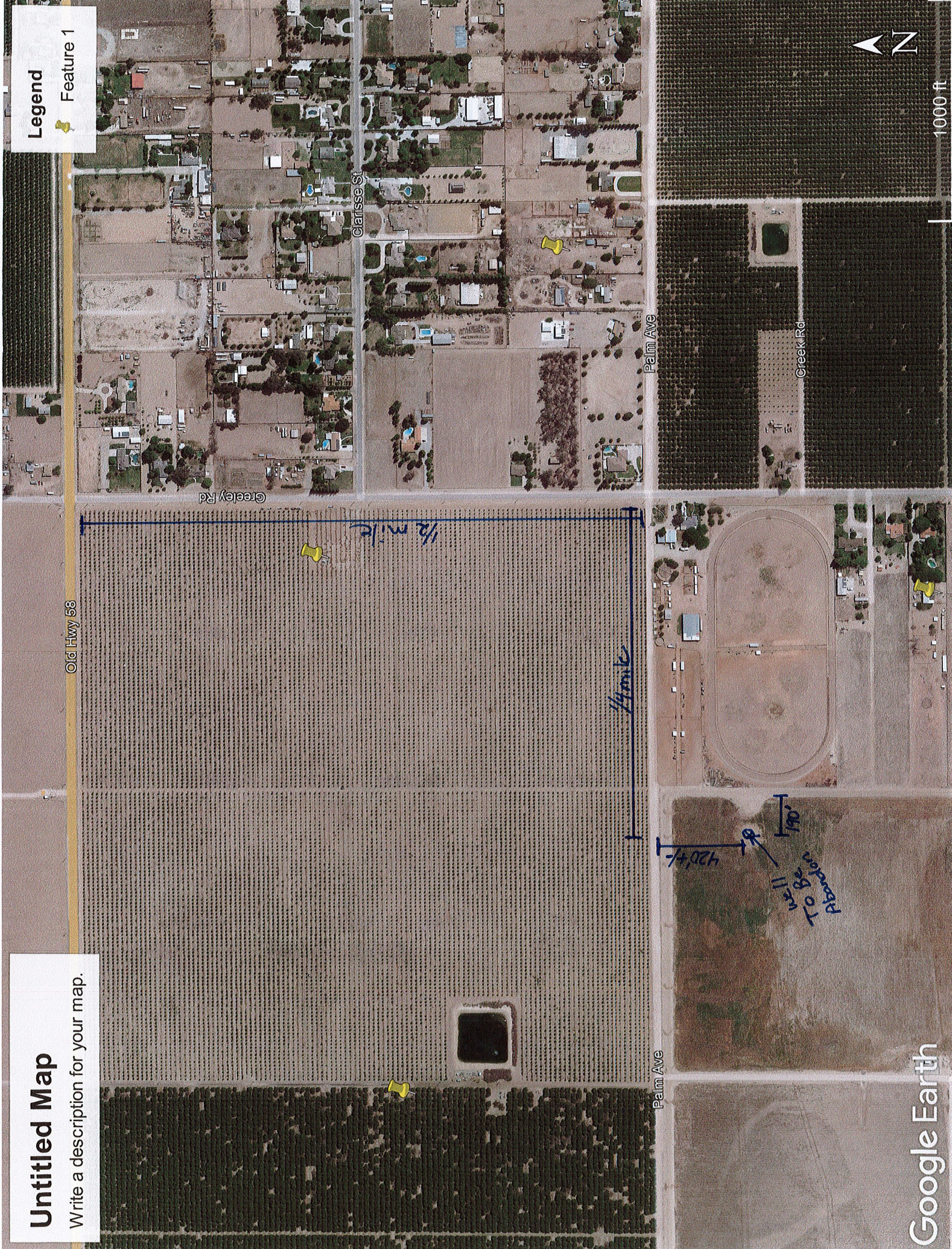


# Untitled Map

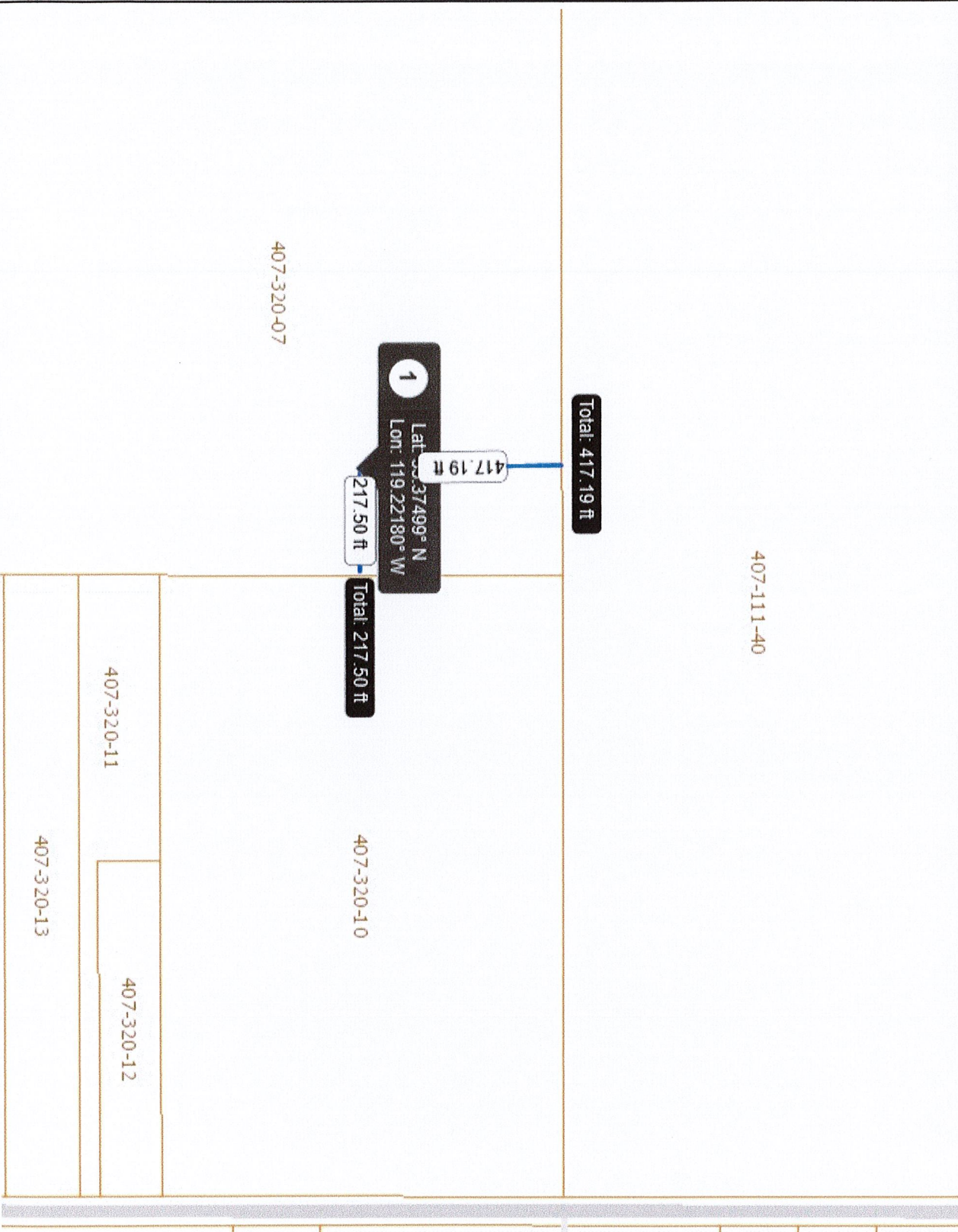
Write a description for your map.

## Legend

Feature 1







0.1  
0  
0.07  
0.1 Miles  
WGS\_1984 Web\_Mercator\_Auxiliary\_Sphere  
© Latitude Geographics Group Ltd.

This map is a user generated static output from an Internet mapping site and is for general reference only. The County of Kern assumes no liability for damages, incurred by the user of this information, which occur directly or indirectly as a result of errors, omissions or discrepancies in the information.

**Legend**

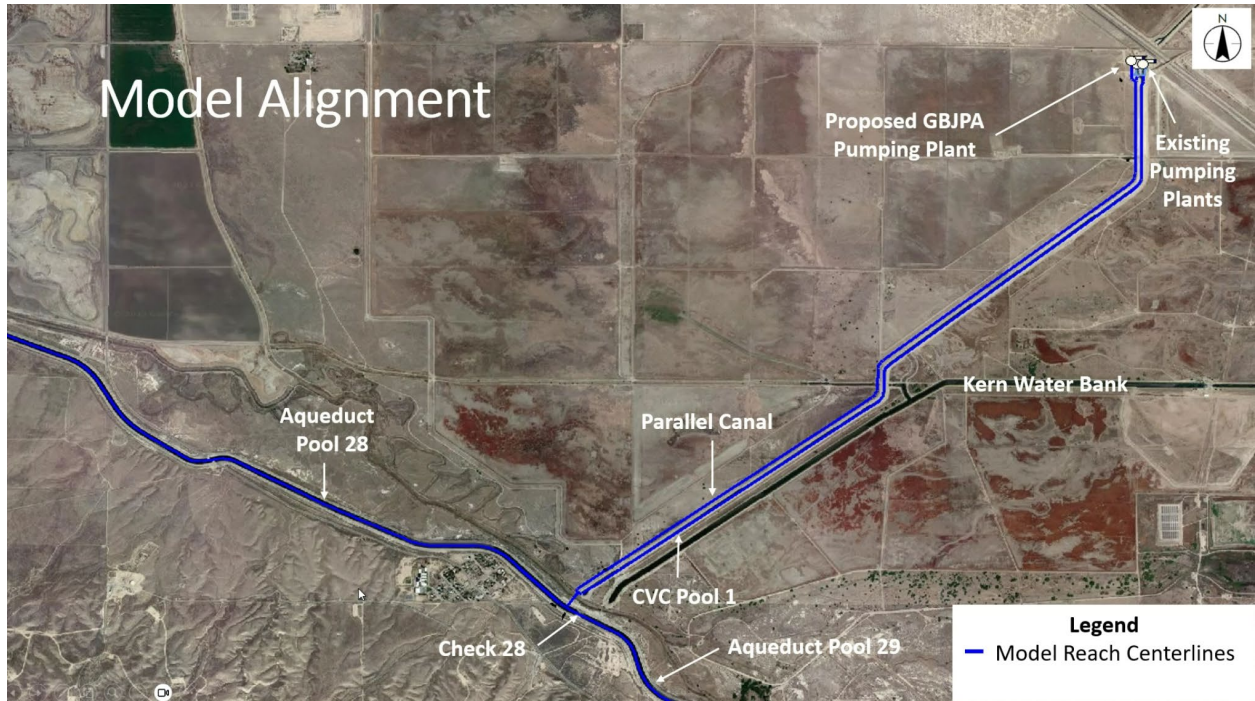
- City Incorporated
- Roads 3K-5K
- Freeway
- Highway
- Major
- Minor
- Local
- Ramp
- Unpaved
- Parcels Land
- County Facilities

1:4,514

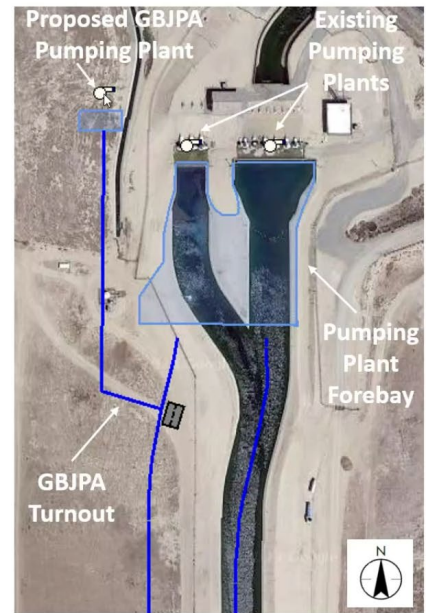
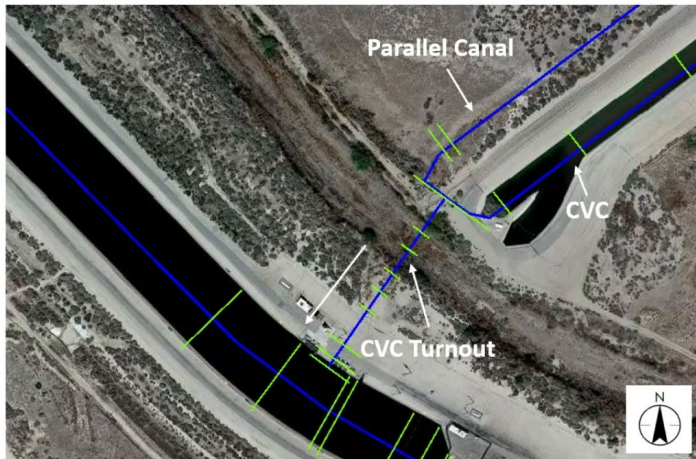
**Notes**







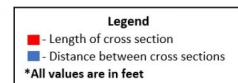
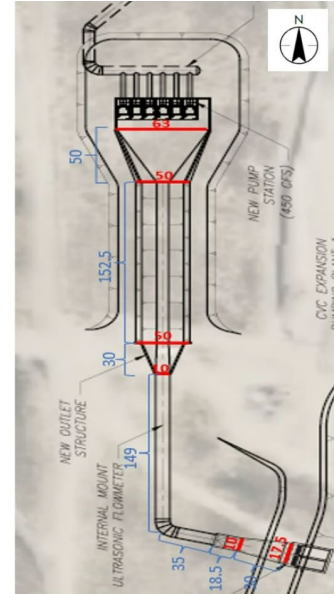
## Model Geometry



Model Cross Sections —

# Model Assumptions

- Configuration provided by Stantec and Dahl Consultants
- Assumptions made to fill data gaps
- Simulations included normal operating range in CVC Pumping Plant 1A and 1B
- Cross section and lateral structure geometry was assumed for the GBJPA turnout reach
  - Pipe diameter: 10 ft
  - Open Channel Width: 50-63 ft
  - Channel slope: 0.002 ft/ft



# Findings

- Modeling disclaimer: *The model results presented herein are preliminary test runs. No design or performance decisions should be based on the limited information provided herein.*
- Manning's n sensitivity analysis was completed to assess the flow split and evaluate impacts of channel roughness

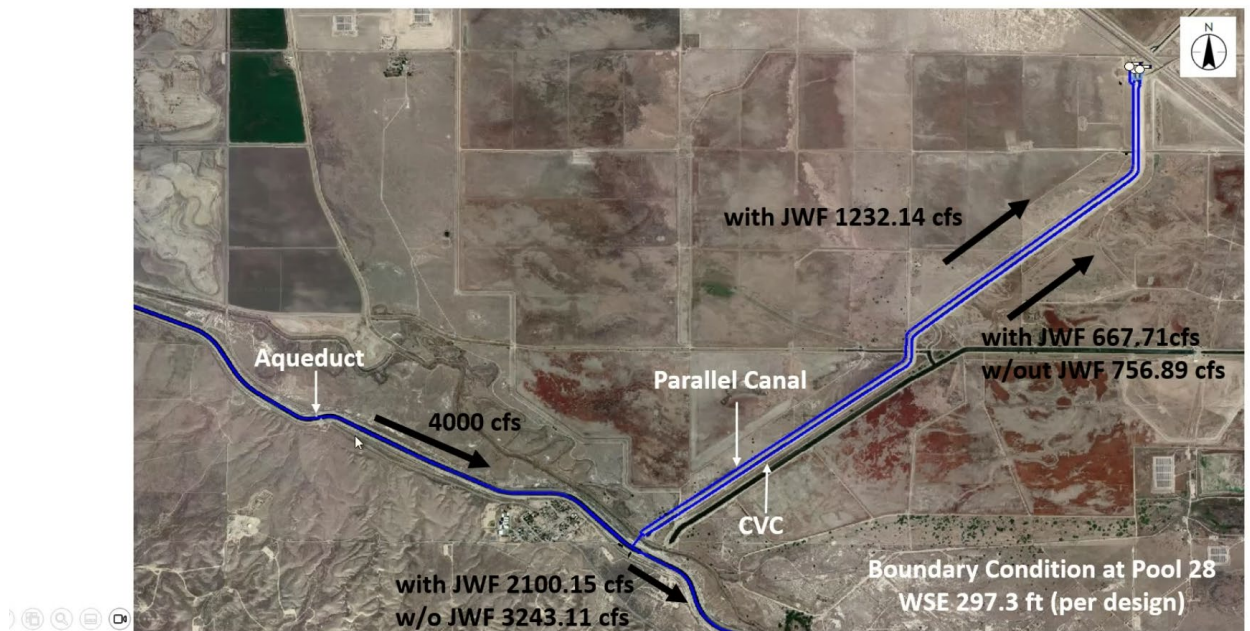


# Model Test Runs

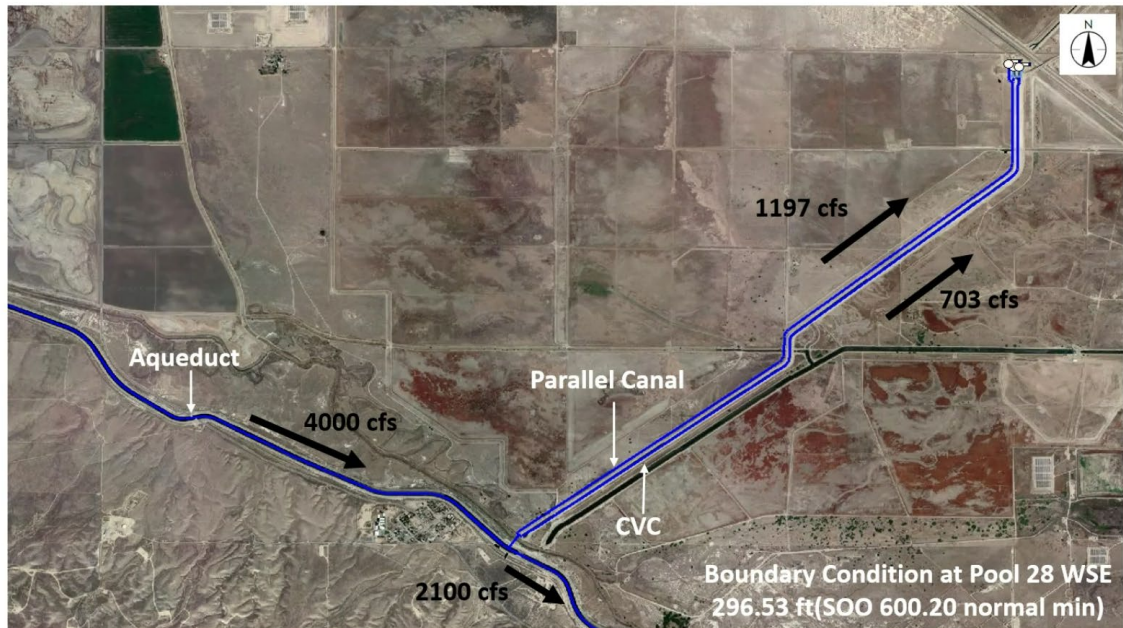
Test simulations performed to check model functionality  
Not intended to provide definitive results

1. Joint Works Alternative 5A – WSE and Q Comp - with and w/out JWF
2. Downstream boundary/Pool 28 at low water surface elevation – WSE and Q Comp w/ Pool 28 WSE at the low end of operating WSE range
3. Manning's n Sensitivity Analysis – Varied Manning n in Parallel Canal to assess flow split
  - a) -10%
  - b) +10%
  - c) +5%

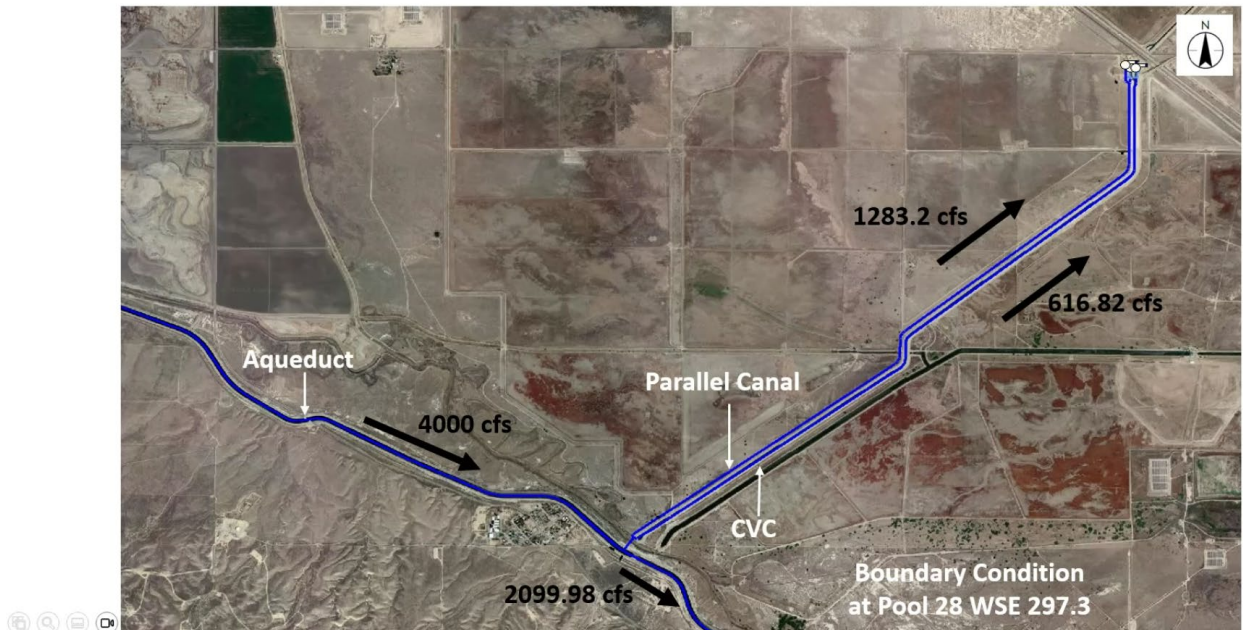
## 1. Joint Works Alternative 5A (with & w/out)



## 2. Pool 28 DS Boundary at Low WSE

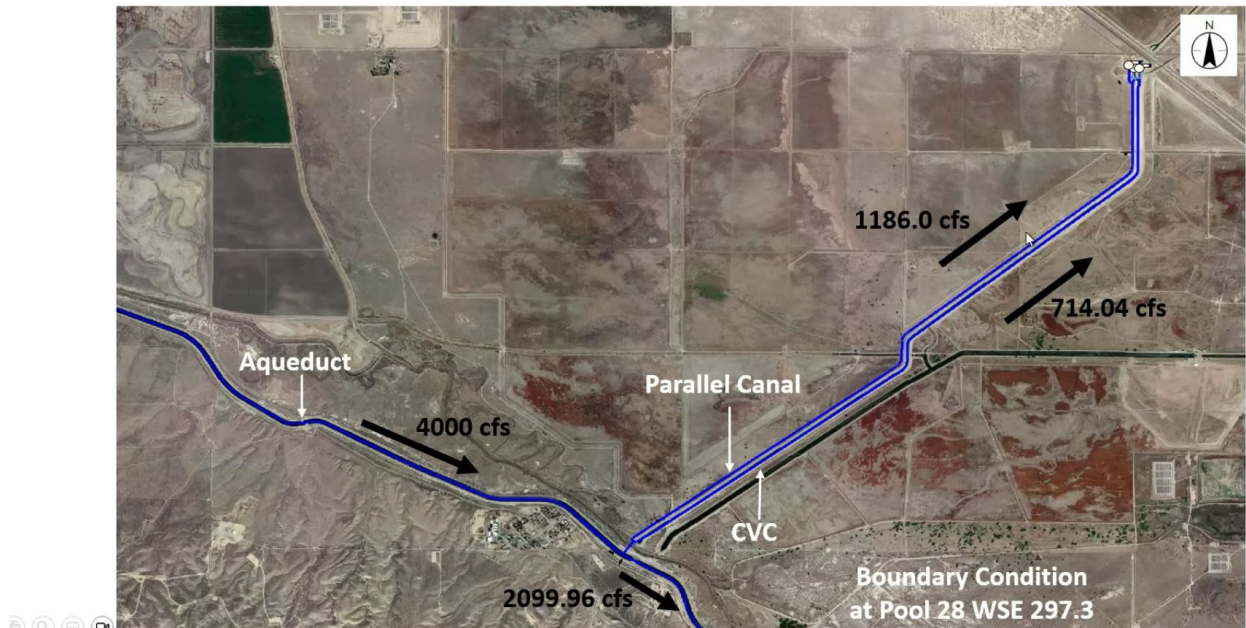


## 3.A Manning's n Sensitivity Analysis: -10%





### 3.B Manning's n Sensitivity Analysis: +10%



### Model Scenarios

Are there specific scenarios you would like to see?

1. Turnout Assumptions/Loading
2. Peak years
3. With / Without Scenarios
4. Seasonal data
5. What if scenarios?
6. More sensitivity

*\*\*Data needs may apply to additional scenarios*

# Potential Simulations

## 1. Model runs/simulations

1. We can look at simulations that we already performed w/ and w/out new facility
2. At 298, 297.3, and at 296.5 WSE at Check 28 how much does this affect flows through know choke points
  1. Understanding the benefits of drawing down Pool 28 (vs. keeping it at a high WSE)
  2. Develop a couple fixed scenarios upstream
    1. no deliveries through 25, and
    2. deliveries through 25
3. Simple worse case scenario and simple best-case scenario
  1. Best high demand in Pool 21 and Pool 25 but nowhere else, not much going to BVPP
  2. No demand in Pool 21 or 25 and getting as much water to BVPP as possible
4. Timing of drawdown
5. Evaluating another turnout configuration (model geometry)
  1. New turnout upstream of the CVC

## 2. Data Needs

1. Reasonable turnout loading distribution
2. HDR to provide WSE profiles and tables for scenarios simulated to date
  1. Verify vertical datum for model simulations



**James Water Bank Authority –Operations Committee Meeting  
October 19, 2023, at 10:30am**

Location: Rosedale-Rio Bravo Water Storage District Board Room  
849 Allen Road Bakersfield, CA 93314

**AGENDA**

This meeting will be held in accordance with the Brown Act pursuant to Section 54950, *et seq.* of the California Government Code and the James Water Bank Authority Joint Powers Agreement.

**1. Roll Call**

In the absence of a quorum of the Board the meeting will be adjourned.

**2. Public Input**

This portion of the meeting is set aside to provide the public an opportunity to bring to the attention of the Board matters of which the Board may not be aware and which are not on the current agenda. No action can be taken on any matter raised during this portion of the meeting; however, a Board member may request that the matter be placed on any future agenda for further review and possible action.

**3. Approval of Minutes**

**ISL**

a. September 21, 2023, Meeting

**4. Financial Matters**

**TA**

- a. Bank Account(s) – Status
- b. Accounts Payable
- c. Review of Draft Proposed 2024 Budget

**5. Reports on Pending Activities**

- a. IRWMP Grant Opportunity / Report **TA**
- b. CEQA Status - DEIR **TA**
- c. Maintenance and Operations **DWB**
- d. River Turnout/Canal
  - 1. James Inlet Canal 90% Design Comment Review

**6. New Business**

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

**7. Closed Session**

**DNR/ILS**

- a. Conference with legal counsel – existing litigation [Cal. Govt. Code § 54956.9(a)]
  - 1. City of Bakersfield v. BVWSD & RRBWSD; Kern Co. Superior Court Case No.: S-1500-CV-274238-RST
- b. Conference with legal counsel – potential litigation [Cal. Govt. Code § 54956.9(b) & (c)]
  - Two (2) Matters
- c. Conference with legal counsel – real property negotiations [Cal. Govt. Code §54956.8]

**8. Adjournment**

DECLARATION OF POSTING: I, Rachele Echeverria, declare under penalty of perjury, that I am employed by the Rosedale-Rio Bravo Water Storage District and I posted the foregoing Agenda at the District Office and on the District’s website ([www.rrbwsd.com](http://www.rrbwsd.com)) on or before October 16, 2023. *Requests for disability-related modifications or accommodations, including auxiliary aids or services may be made by telephoning or contacting Rachele Echeverria at (661)589-6045 or [recheverria@rrbwsd.com](mailto:recheverria@rrbwsd.com). Please attempt to make such requests known at least 24 hours before the scheduled meeting.*

**MINUTES OF THE  
JAMES WATER BANK AUTHORITY  
REGULAR MEETING OF THE  
OPERATIONS COMMITTEE**

**Held Thursday, September 21, 2023, at 10:30 a.m.**

---

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

**COMMITTEE MEMBERS PRESENT**

Terry Chicca, Buena Vista WSD  
Dan Bartel, Rosedale-Rio Bravo WSD

**OTHERS PRESENT**

Tim Ashlock, Buena Vista WSD  
Trenton Taylor, Rosedale-Rio Bravo WSD  
Amrit Mangat, Buena Vista WSD  
Isaac St. Lawrence, McMurtrey, Hartsock, Worth & St. Lawrence

**1. Roll Call**

Mr. Chicca called the meeting to order on September 21, 2023, at 10:30 a.m., with both Committee Members present. Also present were Alternate Committee Members, Tim Ashlock and Trenton Taylor.

**2. Public Input**

This portion of the meeting is set aside to provide the public an opportunity to bring to the attention of the Committee matters of which the Committee may not be aware, and which are not on the current agenda. No action can be taken on any matter raised during this portion of the meeting; however, a Committee Member may request that the matter be placed on any future agenda for further review and possible action.

There was no public comment.

**3. Approval of Prior Minutes**

On motion by Mr. Bartel and seconded by Mr. Chicca, the minutes of the July 20, 2023, James Water Bank Operations Committee meeting were unanimously approved and filed.



**4. Financial**

a. Bank Account Status

Mr. Ashlock provided a written report regarding the JPA's finances, accounts, and financial activities showing the transactions. Mr. Ashlock and Mr. Bartel will meet and prepare a proposed budget for the upcoming year and present it at the next Committee meeting.

b. Accounts Payable

Mr. Ashlock presented a report on the accounts payable activity, noting the invoices that need to be paid. On motion by Mr. Bartel and seconded by Mr. Chicca, the Committee approved executing vouchers to pay the accounts payable as presented.

**5. Reports on Pending Activities**

a. Update on IRWMP Grant

Mr. Ashlock advised that the license agreement between the City and KCWA is reportedly done, but it has not been received back from the Agency.

b. CEQA Activities

The Committee discussed the status of the DEIR and the schedule to finish a response to comments.

c. Maintenance and Operations

Mr. Bartel reported the discing of property is continuing. RRB continues to do a security drive-through on the property.

d. River Turnout/Canal

Mr. Bartel reported on the status of plans.

**6. New Business**

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

None.

**7. Closed Session**

None.

8. **Adjournment**

The meeting was adjourned at 11:08 a.m.

Respectfully submitted,

A handwritten signature in blue ink, consisting of a stylized first name and a last name, positioned above a horizontal line.

Isaac L. St. Lawrence, Secretary



**JAMES JPA - Operating**  
**STATEMENT OF NET ASSETS**  
**As of September 30, 2023**

Category:	Actual For Year Ended: Dec-22	Actual Prior Month: Aug-23	Actual Current Month: Sep-23	Actual Change:
<b>ASSETS:</b>				
Cash-Operating	\$ 1,332,893.36	\$ 1,012,352.78	\$ 1,012,352.78	\$ -
Interest Receivable	\$7,593.71	\$0.00	\$0.00	\$0.00
Other Receivables	\$0.00	\$0.00	\$0.00	\$0.00
Receivables - Cash Calls	\$0.00	\$0.00	\$0.00	\$0.00
James Prepaid EIR	\$0.00	\$60,002.00	\$60,002.00	\$0.00
<b>Long Term Assets:</b>				
Construction in Progress	\$1,102,904.24	\$1,110,819.42	\$1,110,819.42	\$0.00
Land	\$38,345,107.21	\$38,345,107.21	\$38,345,107.21	\$0.00
<b>TOTAL ASSETS</b>	<b><u>\$ 40,788,498.52</u></b>	<b><u>\$ 40,528,281.41</u></b>	<b><u>\$ 40,528,281.41</u></b>	<b><u>\$ -</u></b>
<b>LIABILITIES:</b>				
Accounts Payable - Operating	\$41,976.09	\$13,362.63	\$22,362.63	\$9,000.00
Accounts Payable - Other	\$0.00	\$0.00	\$0.00	\$0.00
<b>TOTAL LIABILITIES</b>	<b><u>\$41,976.09</u></b>	<b><u>\$13,362.63</u></b>	<b><u>\$22,362.63</u></b>	<b><u>\$9,000.00</u></b>
<b>NET POSITION:</b>				
<b>UNRESTRICTED -</b>				
Buena Vista WSD-Operating	\$ 34,899,396.47	\$ 34,701,027.94	\$ 34,693,319.44	\$ (7,708.50)
Rosedale-Rio Bravo WSD-Operatir	\$ 5,847,125.96	\$ 5,813,890.84	\$ 5,812,599.34	\$ (1,291.50)
<b>TOTAL NET ASSETS</b>	<b><u>\$ 40,746,522.43</u></b>	<b><u>\$ 40,514,918.78</u></b>	<b><u>\$ 40,505,918.78</u></b>	<b><u>\$ (9,000.00)</u></b>
<b>TOTAL LIABILITIES AND NET ASSETS</b>	<b><u>\$40,788,498.52</u></b>	<b><u>\$40,528,281.41</u></b>	<b><u>\$40,528,281.41</u></b>	<b><u>-</u></b>

**JAMES JPA**  
**STATEMENT ACTIVITIES & CHANGES IN NET ASSETS**

As of September 30, 2023

Category:	Actual 12 mos ended: Dec-22	2023 Budget:	Actual Year to Date: Jan-23	Actual Current Month: Feb-23	Actual Current Month: Mar-23	Actual Current Month: Apr-23	Actual Current Month: May-23	Actual Current Month: Jun-23	Actual Current Month: Jul-23	Actual Current Month: Aug-23	Actual Current Month: Sep-23	Actual Year to Date: Sep-23	Budget 2023 Remaining:
<b>OPERATING REVENUE:</b>													
Other Revenue	\$500.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>ADMIN REVENUE:</b>													
Interest Revenue	\$18,892.31	\$5,500.00	\$0.00	\$0.00	\$0.00	\$0.00	\$7,471.11	\$8,664.78	-\$4,094.00	\$2,670.68	\$0.00	\$14,712.57	
<b>TOTAL REVENUE:</b>	<b>\$19,392.31</b>	<b>\$5,500.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$7,471.11</b>	<b>\$8,664.78</b>	<b>-\$4,094.00</b>	<b>\$2,670.68</b>	<b>\$0.00</b>	<b>\$14,712.57</b>	
Salaries	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Maintenance	\$137,716.76	\$144,000.00	\$18,000.00	\$10,733.13	\$9,000.00	\$16,651.90	\$9,000.00	\$11,082.00	\$9,000.00	\$9,154.44	\$9,000.00	\$101,621.47	42,378.53
Admin	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Operations	\$91,216.43	\$252,000.00	\$0.00	\$45,707.47	\$210.22	\$0.00	\$0.00	\$396.06	\$0.00	\$0.00	\$0.00	\$46,313.75	205,686.25
Professional Services	\$36,870.94	\$240,000.00	\$304.53	\$9,589.25	\$36,995.25	\$41,622.00	\$10,187.47	\$4,321.00	\$1,154.00	\$3,207.50	\$0.00	\$107,381.00	132,619.00
Capital Outlay	\$0.00	\$90,576.05	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>TOTAL OPER EXPENSES</b>	<b>\$265,804.13</b>	<b>\$726,576.05</b>	<b>18,304.53</b>	<b>66,029.85</b>	<b>46,205.47</b>	<b>58,273.90</b>	<b>19,187.47</b>	<b>15,799.06</b>	<b>10,154.00</b>	<b>12,361.94</b>	<b>9,000.00</b>	<b>\$255,316.22</b>	<b>471,259.83</b>
<b>CHANGE IN OPER NET ASSETS</b>	<b>(\$246,411.82)</b>	<b>(\$721,076.05)</b>	<b>(\$18,304.53)</b>	<b>(\$66,029.85)</b>	<b>(\$46,205.47)</b>	<b>(\$58,273.90)</b>	<b>(\$11,716.36)</b>	<b>(\$7,134.28)</b>	<b>(\$14,248.00)</b>	<b>(\$9,691.26)</b>	<b>(\$9,000.00)</b>	<b>(\$240,603.65)</b>	
NET OP ASSETS-BEG OF PERIOD	\$40,561,657.85		\$40,746,522.43	\$40,728,217.90	\$40,662,188.05	\$40,615,982.58	\$40,557,708.68	\$40,545,992.32	\$40,538,858.04	\$40,524,610.04	\$40,514,918.78	\$40,746,522.43	
CHANGE IN OP NET ASSETS (above)	(\$246,411.82)		(\$18,304.53)	(\$66,029.85)	(\$46,205.47)	(\$58,273.90)	(\$11,716.36)	(\$7,134.28)	(\$14,248.00)	(\$9,691.26)	(\$9,000.00)	(\$240,603.65)	
MEMBER OP CONTRIBUTIONS (rec'd)	\$369,388.24		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
MEMBER OP CONTRIBUTIONS (o/s)	\$61,888.16		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PRIOR PERIOD ADJ	-		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	-	
<b>NET OP ASSETS-END OF MONTH</b>	<b>40,746,522.43</b>		<b>40,728,217.90</b>	<b>40,662,188.05</b>	<b>40,615,982.58</b>	<b>40,557,708.68</b>	<b>40,545,992.32</b>	<b>40,538,858.04</b>	<b>40,524,610.04</b>	<b>40,514,918.78</b>	<b>40,505,918.78</b>	<b>40,505,918.78</b>	



1/31/2023	Maintenance Expenes Accounts Payable RRB Jan Invoice - Maintenance	150.53	150.53
1/31/2023	Professional Services Expense Accounts Payable McMurtrey Jan Invoice	154.00	154.00
1/31/2023	Maintenance Expenes Accounts Payable Accrue January and Feb Destefani voucher	18,000.00	18,000.00
1/20/2023	Accounts Payable Cash Clear Jan Vouchers Dest, Gatzke, RRB, Blaine, Meyers	44826.08	44826.08
1/31/2023	Prepaid EIR Accounts Payable Accrue City Payment reimbursable to BV	60002	60002
<hr/>			
2/28/2023	Cash Interest Receivable	7593.71	7593.71
2/17/2023	Accounts Payable Cash Clear City Payment and RRB Jan Voucher	60152.53	60152.53
2/17/2023	Accounts Payable Cash Clear Gatzke McMurtrey and Destefani Vouchers	15304	15304
2/28/2023	Professional Services Expense Accounts Payable McMurtrey Feb Invoice	154.00	154.00
2/28/2023	Maintenance Expenes Accounts Payable Accrue March Destefani voucher	9,000.00	9,000.00
2/28/2023	Professional Services Expense Accounts Payable Belden Blaine Feb Invoice	142.50	142.50
2/28/2023	Operating Expenses Accounts Payable Property Tax - 2nd Installment	45,707.47	45,707.47
2/28/2023	Maintenance Expenes Accounts Payable RRB Feb Invoice - Maintenance	1,733.13	1,733.13
2/28/2023	Professional Services Expense Accounts Payable Gatzke Dillon Jan Invoice	9,292.75	9,292.75
<hr/>			
3/16/2023	Operations Expense Cash Kern County ACO Voucher Admin Fee	210.22	210.22

3/17/2023	Accounts Payable Cash Clear Feb vouchers for McMurtrey, Destefani, Belden, KCTTC, and Gatzke	64296.72	64296.72
3/17/2023	Accounts Payable Cash Clear Feb vouchers for RRB	1733.13	1733.13
3/31/2023	Maintenance Expenses Accounts Payable Accrue April Destefani voucher	9,000.00	9,000.00
3/31/2023	Construction in Progress Accounts Payable Accrue March Meyer Engineering voucher	1,482.50	1,482.50
3/31/2023	Professional Services Expense Accounts Payable Gatzke Dillon Feb Invoice	36,995.25	36,995.25
4/25/2023	Accounts Payable Cash Clear March vouchers for Destefani and Gatzke	45,995.25	45,995.25
4/25/2023	Accounts Payable Cash Clear March vouchers for Meyers	1,482.50	1,482.50
4/30/2023	Maintenance Expenses Accounts Payable Accrue May Destefani voucher	9,000.00	9,000.00
4/30/2023	Professional Services Expense Accounts Payable Gatzke Dillon Mar Invoice	41,052.00	41,052.00
4/30/2023	Professional Services Expense Accounts Payable Belden Blaine March Invoice	570.00	570.00
4/30/2023	Construction in Progress Accounts Payable Accrue March Meyer Engineering voucher	894.00	894.00
4/30/2023	Maintenance Expenses Accounts Payable RRB Mar-Apr Invoice - Maintenance	7,651.90	7,651.90
5/31/2023	Professional Services Expense Accounts Payable Accrue Audit Services -Brown Armstrong April-May Statement (\$3100/6500 billed to date)	3,100.00	3,100.00
5/31/2023	Maintenance Expenses Accounts Payable Accrue June Destefani voucher	9,000.00	9,000.00
5/31/2023	Professional Services Expense Accounts Payable Accrue James' portion of Prop1 Grant P&P Admin Costs for Invoices 7-9 payable to BV	5,733.47	5,733.47



5/31/2023	Professional Services Expense Accounts Payable Accrue april Gatzke Dillon Invoice	1,200.00	1,200.00
5/31/2023	Professional Services Expense Accounts Payable Accrue McMurtrey Invoice	154.00	154.00
5/31/2023	Accounts Payable Cash Clear April vouchers for Belden Blaine and Gatzke	41,622.00	41,622.00
5/31/2023	Accounts Payable Cash Clear April vouchers for Brown Armstrong, RRB and Meyers Engineering	9,545.90	9,545.90
5/31/2023	Accounts Payable Cash Clear April Voucher for Destefani	9,000.00	9,000.00
5/31/2023	Cash Interest Revenue Post interest 1st QTR Apportionment	7,471.11	7,471.11
6/30/2023	Maintenance Expenes Construction in Progress Accounts Payable RRB May Reimbursement Invoice	2,082.00 2,377.50	4,459.50
6/30/2023	Maintenance Expenes Accounts Payable Accrue July Destefani voucher	9,000.00	9,000.00
6/30/2023	Construction in Progress Accounts Payable Accrue May Meyer Engineering voucher	2,160.50	2,160.50
6/30/2023	Professional Services Expense Accounts Payable Accrue McMurtrey Invoice	154.00	154.00
6/30/2023	Professional Services Expense Accounts Payable Belden Blaine June Invoice	142.50	142.50
6/30/2023	Professional Services Expense Accounts Payable Accrue Audit Services -Brown Armstrong April-May Statement (\$5500/6500 billed to date)	2,400.00	2,400.00
6/30/2023	Professional Services Expense Accounts Payable Accrue May Gatzke Dillon Invoice	1,624.50	1,624.50
6/13/2023	Operations Expense Cash Kern County ACO Voucher Admin Fee	396.06	396.06
6/16/2023	Accounts Payable Cash Clear May Brown Armstrong voucher and BV reimbursement	7,833.47	7,833.47

6/16/2023	Accounts Payable Cash Clear June Destefani, April Gatzke and May McMurtrey Vouchers	10,354.00	10,354.00
6/28/2023	Interest Receivable Interest Revenue Accrue 2nd QTR Interest Apportionment County Fund	8,664.78	8,664.78
7/31/2023	Accounts Payable Cash Clear July Vouchers for June Payables	19,941.00	19,941.00
7/31/2023	Interest Revenue Interest Receivable Reverse-2nd QTR Interest Accrual (June) County Fund	8,664.78	8,664.78
7/31/2023	Cash Interest Revenue	4,570.78	4,570.78
7/31/2023	Professional Services Expense Accounts Payable Accrue Audit Services -Brown Armstrong Final bill	1,000.00	1,000.00
7/31/2023	Maintenance Expenses Accounts Payable Accrue Aug Destefani voucher	9,000.00	9,000.00
7/31/2023	Professional Services Expense Accounts Payable Accrue McMurtrey July Invoice	154.00	154.00
8/23/2023	Accounts Payable Cash Clear Aug Vouchers for July Payables	10,154.00	10,154.00
8/17/2023	Cash Interest Revenue Record deposit of 2nd QTR 2nd installment Couny Interest (Yield = 2.65% QTR 2)	2,670.68	2,670.68
8/31/2023	Maintenance Expenses Accounts Payable Accrue Sep Destefani voucher	9,000.00	9,000.00
8/31/2023	Construction in Progress Maintenance Expenses Accounts Payable RRB July Reimbursement Invoice	1,000.68 154.44	1,155.12
8/31/2023	Professional Services Expense Accounts Payable Accrue Gatzke Dillon and Balance LLP Voucher July	3,207.50	3,207.50
9/30/2023	Maintenance Expenses Accounts Payable Accrue Oct Destefani voucher	9,000.00	9,000.00



**COUNTY OF KERN  
GENERAL LEDGER TRIAL BALANCE  
AUDITOR / CONTROLLER**

As of Date: 9/29/2023

ACCT NO	DESCRIPTION	BEGINNING BALANCES		YEAR-TO-DATE TRANSACTIONS		CURRENT BALANCES	
		DEBIT ACCOUNTS	CREDIT ACCOUNTS	DEBIT ACCOUNTS	CREDIT ACCOUNTS	DEBIT ACCOUNTS	CREDIT ACCOUNTS
<b>Fund: 60373 JAMES JPA OPERATING</b>							
0110	CASH IN TREASURY	\$1,035,206.32		\$7,241.46	\$30,095.00	\$1,012,352.78	
0201	INTEREST RECEIVABLE	\$8,664.78			\$8,664.78		
1010	WARRANTS PAYABLE			\$30,095.00	\$43,457.62		(\$13,362.62)
1012	ACCOUNTS PAYABLE			\$43,457.62	\$43,457.62		
2350	FUND BALANCE AVAILABLE		(\$1,043,871.10)	\$43,457.62			(\$1,000,413.48)
2710	REVENUES			\$8,664.78	\$7,241.46		\$1,423.32
		<b>\$1,043,871.10</b>	<b>(\$1,043,871.10)</b>	<b>\$132,916.48</b>	<b>\$132,916.48</b>	<b>\$1,012,352.78</b>	<b>(\$1,012,352.78)</b>

**COUNTY OF KERN  
GENERAL LEDGER MONTHLY TRANSACTION REGISTER  
FINANCIAL MANAGEMENT INFORMATION SYSTEMS**

As of Date: 9/29/2023

TRANS DATE	TRANS CODE	TRANSACTION DESCRIPTION	DOCUMENT NUMBER	DEBIT	CREDIT
<b>Fund: 60373 JAMES JPA OPERATING</b>					
<b>Account: 1010 WARRANTS PAYABLE</b>					
09/29/23	2611	A/P WARRANT ISSUED		\$0.00	\$13,362.62
			<b>Account Total</b>	<b>\$0.00</b>	<b>\$13,362.62</b>
<b>Account: 1012 ACCOUNTS PAYABLE</b>					
09/29/23	2541	NON-BUDGET EXPENDITURE-A/P		\$0.00	\$13,362.62
09/29/23	2611	A/P WARRANT ISSUED		\$13,362.62	\$0.00
			<b>Account Total</b>	<b>\$13,362.62</b>	<b>\$13,362.62</b>
<b>Account: 2350 FUND BALANCE AVAILABLE</b>					
09/29/23	2541	NON-BUDGET EXPENDITURE-A/P		\$13,362.62	\$0.00
			<b>Account Total</b>	<b>\$13,362.62</b>	<b>\$0.00</b>
			<b>Fund Total</b>	<b>\$26,725.24</b>	<b>\$26,725.24</b>



County of Kern

COUNTY AUDITOR'S VOUCHER

TO: AUDITOR CONTROLLER, COUNTY OF KERN

DATE 10/19/23

1512 TRUXTUN AVENUE

DOCUMENT NO.

7-15  
000 168

BAKERSFIELD, CALIFORNIA 93301

AMOUNT

006 \$9,000.00

Your are hereby requested to draw your official Warrant on the County of Kern Treasurer for the sum of:

Nine Thousand and No/100

DOLLARS:

PAYABLE TO:

33 Destefani Farms II

Address:

35 P.O. Box 20968

36 Bakersfield  
City

Street  
CA State

93390  
Zip

34

In Care Of

For:

011 Oct 2023 Discing Invoice

Descriptive Purpose of Claim - Limit to 30 Spaces

014 60373  
Fund No.

James JPA Operating  
Fund Name

For Auditor-Controller Use

Vendor No.	Issue Date
023	009

AUTHORIZED SIGNATURE(S):

Audited and Allowed  
Auditor-Controller

Title

By

Title

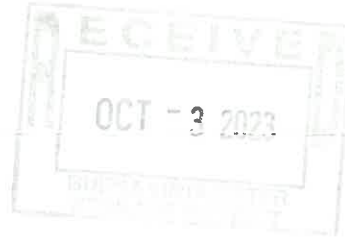
DATE

Title

**DESTEFANI FARMS**

**P. O. Box 20968  
Bakersfield, CA 93390  
(661)201-8202  
Ddestefani1950@gmail.com  
FEIN 20-4562818**

**October 1, 2023**



**James Water Bank  
McAllister Ranch Site  
P. O. Box 756  
Buttonwillow, CA 93206**

**INVOICE – October, 2023 Maintenance**

**Discing and Burning Maintenance at Site**

**\$ 9,000.00**

**TOTAL DUE:**

**\$ 9,000.00**

*[Handwritten signature]*  
**James Op.**



**Date:** September 25, 2023

**Engineering and Ground Water Services Department**

**Project:** James Water Bank Authority – River Turnout and Canal Facilities

**Submittal:** 90% Design Plans

**Reviewed by:** Kris Budak, PE  
Scott Chambless  
David Pieper  
Thane Campbell  
Steve Yoder

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**General Comments:**

1. Agency access to structures, wells, recharge ponds, and gates shall be maintained.
2. How does this turnout affect the Pioneer Central/Basin 1 head?
3. Will the Agency or BVWSD be responsible for the maintenance of the James Inlet Canal embankments and top of banks?
4. JWBA Canal will cut off the north section of Central Pioneer Basin PC-2 and eliminate recharge capacity in this area.
5. JWBA Canal alignment and extent will lower recharge capacity in Pioneer Central for Basin PC-2.
6. JWBA Canal alignment and extent will lower recharge capacity in Pioneer South for basins JW-5B and JW-5C.
7. Guardrails should be installed at all inlet and outlet walls.
8. Elevations for JWBA Canal interior (basin side) banks need to match the existing embankment elevations of adjacent basins. JWBA Canal banks need to maintain 2-ft of freeboard from Agency basin water surface elevations.
9. Siphon required at Lutje Lateral crossing to maintain access roads to KCWA-21 and basin JW-5B.
10. Bridge at STA 84+25 needs to be replaced with a siphon. This is the main Agency access road to the Pioneer South for contractors and must be rated to handle heavy equipment greater than 68,000 pounds across the JWBA Canal.
11. Install check structure as part of the UPRR siphon.
12. UPRR siphon headwall to be shifted north of existing southeast corner of basin JW-5C to maintain access road.
13. The JWBA Canal alignment conflicts with two potential future well sites, one in Pioneer Central and one in Pioneer South. The well sites can be moved to accommodate the JWBA Canal without moving the proposed alignment, but the accommodation may incur additional costs for the Agency when the

wells are constructed. The additional costs could include increased pipeline length, reduced capacity in ponds, and deeper excavation to cross under JWBA Canal.

**Drawings:**

14. Agency's comments on plans are in red and summarized below.
15. Page 2
  - a. Overview of our notes
16. Page 3
  - a. Loss of head at existing pioneer turnout
  - b. Loss of recharge capacity in PC-2 basin in Pioneer Central
  - c. Right top of bank elevation lower than existing basin levee elevations
17. Page 4
  - a. Loss of recharge capacity in PC-2 basin in Pioneer Central
  - b. Right top of bank elevation lower than existing basin levee elevations
  - c. Conflict with future well site location
18. Page 5
  - a. Loss of recharge capacity in PC-2 basin in Pioneer Central
  - b. Right top of bank elevation lower than existing basin levee elevations
19. Page 6
  - a. Loss of recharge capacity in PC-2 basin in Pioneer Central
  - b. Right top of bank elevation lower than existing basin levee elevations
  - c. Guardrails needed around headwall for Kern River Canal siphon
20. Page 7
  - a. Loss of recharge capacity in JW-5B basin in Pioneer South
  - b. Right top of bank elevation lower than existing basin levee elevations
  - c. Install siphon under Lutje Lateral (Lutje Canal) to maintain access to well and basin
21. Page 8
  - a. Loss of recharge capacity in JW-5B basin in Pioneer South



- b. Right top of bank elevation lower than existing basin levee elevations
- c. Guardrails needed around headwall of utility corridor
- d. Conflict with future well site location

22. Page 9

- a. Loss of recharge capacity in JW-5B basin in Pioneer South
- b. Loss of recharge capacity in JW-5C basin in Pioneer South
- c. Right top of bank elevation lower than existing basin levee elevations
- d. Replace bridge with siphon for heavy equipment access
- e. Guardrails needed around headwall of utility corridor
- f. Maintain access to outside access road east of JW-5C basin

23. Page 10

- a. Loss of recharge capacity in JW-5C basin in Pioneer South
- b. Right top of bank elevation lower than existing basin levee elevations

24. Page 11

- a. Loss of recharge capacity in JW-5C basin in Pioneer South
- b. Right top of bank elevation lower than existing basin levee elevations

25. Page 12

- a. Loss of recharge capacity in JW-5C basin in Pioneer South
- b. Right top of bank elevation lower than existing basin levee elevations
- c. Extend railroad siphon north of existing JW-5C levees and maintain access around basin
- d. Add check structure to siphon
- e. Guardrails needed around headwall of siphon



**BENCH MARK**

CHISELED "O" ON NORTHEAST CURB RETURN AT STOCKDALE HIGHWAY AND NORD ROAD PER KCS FIELD BOOK 1170, PG 25. ELEVATION=345.90 NAVD88

**BEARING BASIS**

THE BASIS OF BEARING IS THE CALIFORNIA COORDINATE SYSTEM OF 1983 (NAD83), ZONE 5.

**CONSTRUCTION NOTES:**

1. THE CONTRACTOR SHALL CONTACT THE U.S.A. LOCATOR SERVICE AT 1-800-642-2444 48 HOURS PRIOR TO ANY EXCAVATION AND SHALL POTHOLE UTILITIES TO VERIFY LOCATION AND DEPTH PRIOR TO TRENCHING. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY CONFLICTS WITH THE PLANS PRIOR TO THE BEGINNING OF CONSTRUCTION.
2. THE CONTRACTOR MUST POSSESS A STATE OF CALIFORNIA CLASS "A" CONTRACTORS LICENSE TO PERFORM THE WORK CONTAINED WITHIN THESE PLANS AND SPECIFICATIONS.
3. HAZARDOUS WASTE IN EXCAVATION. SHALL COMPLY WITH SECTION 4.M "HAZARDOUS CONDITIONS" IN THE CONTRACT GENERAL CONDITIONS.

**INDEX OF DRAWINGS**

SHEET 1 COVER AND TITLE SHEET	SHEET 27 STRUCTURE HALF-PLAN - RIVER CANAL SIPHON
SHEET 2 PROJECT OVERVIEW	SHEET 28 INLET ELEVATIONS - RIVER CANAL SIPHON
SHEET 3 PLAN-PROFILE STA 9~ TO 20~	SHEET 29 OUTLET ELEVATIONS - RIVER CANAL SIPHON
SHEET 4 PLAN-PROFILE STA 20~ TO 31~	SHEET 30 STRUCTURE PLAN-PROFILE - PIPELINE SIPHON & CHECK
SHEET 5 PLAN-PROFILE STA 31~ TO 41+40	SHEET 31 STRUCTURE SECTION - PIPELINE SIPHON & CHECK
SHEET 6 PLAN-PROFILE STA 41+40 TO 53~	SHEET 32 STRUCTURE HALF-PLAN - PIPELINE SIPHON & CHECK
SHEET 7 PLAN-PROFILE STA 53~ TO 64+50	SHEET 33 INLET ELEVATIONS - PIPELINE SIPHON & CHECK
SHEET 8 PLAN-PROFILE STA 64+50 TO 76~	SHEET 34 OUTLET ELEVATIONS - PIPELINE SIPHON & CHECK
SHEET 9 PLAN-PROFILE STA 76~ TO 87+50	SHEET 35 STRUCUTRE PLAN-PROFILE - PIONEER BRIDGE OVERVIEW
SHEET 10 PLAN-PROFILE STA 87+50 TO 99~	SHEET 36 STRUCTURE WING WALLS - PIONEER BRIDGE
SHEET 11 PLAN-PROFILE STA 99~ TO 110~	SHEET 37 STRUCTURE PLAN-PROFILE - UPRR SIPHON
SHEET 12 PLAN-PROFILE STA 110~ TO END	SHEET 38 STRUCTURE ELEVATION - UPRR SIPHON
SHEET 13 GRADING PLANS - RIVER TURNOUT & RIVER CANAL SIPHON	SHEET 39 STRUCTURE HALF-PLAN - UPRR SIPHON
SHEET 14 GRADING PLANS - PIPELINE SIPHON & PIONEER BRIDGE	SHEET 40 INLET ELEVATIONS - UPRR SIPHON
SHEET 15 GRADING PLAN - UPRR SIPHON	SHEET 41 OUTLET SECTIONS - UPRR SIPHON
SHEET 16 TYPICAL CANAL SECTIONS	SHEET 42 TRASH SCREEN ELEVATIONS
SHEET 17 CROSS SECTIONS STA. 10~ TO 36~	SHEET 43 TRASH SCREEN DETAILS
SHEET 18 CROSS SECTIONS STA. 38~ TO 62~	SHEET 44 TRASH SCREEN & GRATING DETAILS
SHEET 19 CROSS SECTIONS STA. 64~ TO 88~	SHEET ?? TECHNICAL SPECIFICATIONS - PAGE 1
SHEET 20 CROSS SECTIONS STA. 90~ TO 112~	SHEET ?? TECHNICAL SPECIFICATIONS - PAGE 2
SHEET 21 STRUCTURE PLAN & PROFILE - RIVER TURNOUT	SHEET ?? TECHNICAL SPECIFICATIONS - PAGE 3
SHEET 22 STRUCTURE HALF-PLAN & SECTION - RIVER TUNOUT	SHEET ?? TECHNICAL SPECIFICATIONS - PAGE 4
SHEET 23 INLET ELEVATIONS - RIVER TURNOUT	SHEET ?? RECORD AERIAL AND TOPOGRAPHY
SHEET 24 OUTLET ELEVATIONS - RIVER TURNOUT	
SHEET 25 STRUCTURE PLAN-PROFILE - RIVER CANAL SIPHON	
SHEET 26 STRUCTURE SECTION - RIVER CANAL SIPHON	

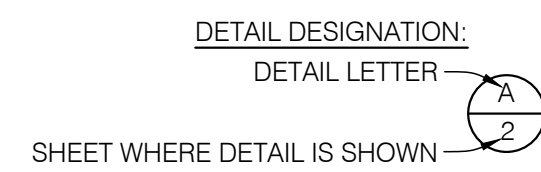
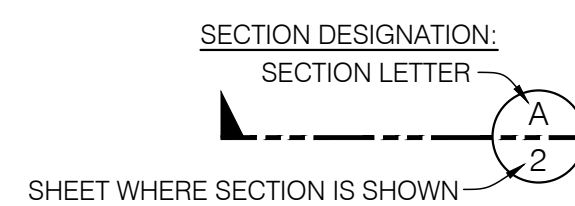
**LEGEND**

--- CENTER LINE	--- RIGHT-OF-WAY OR PROPERTY LINE
--- OH --- OVERHEAD LINES W/POWER POLE	--- G --- EXISTING GAS LINE
--- U --- EXISTING UTILITIES	--- T --- EXISTING TELEPHONE LINE
--- E --- EXISTING EASEMENT	--- X --- EXISTING FENCE
--- 3.35 --- EXISTING CONTOURS	
TOP OF SLOPE	TOE OF SLOPE
EMBANKMENT SIDESLOPE	

● NEW LOCATION OF SALVAGED SIGN	▨ RIPRAP/ROCK SLOPE PROTECTION
--- EDGE OF PAVEMENT	⊗ EXISTING GATE VALVE
⊕ EXISTING AIR VENT	⊞ EXISTING TELE. PEDESTAL
⊞ EXISTING TELE. PEDESTAL	⊙ EXISTING SIGN
⊙ EXISTING SIGN	⊕ EXISTING MONUMENT
--- FINISHED GRADE	
2.00% FINISHED GRADE SLOPE	

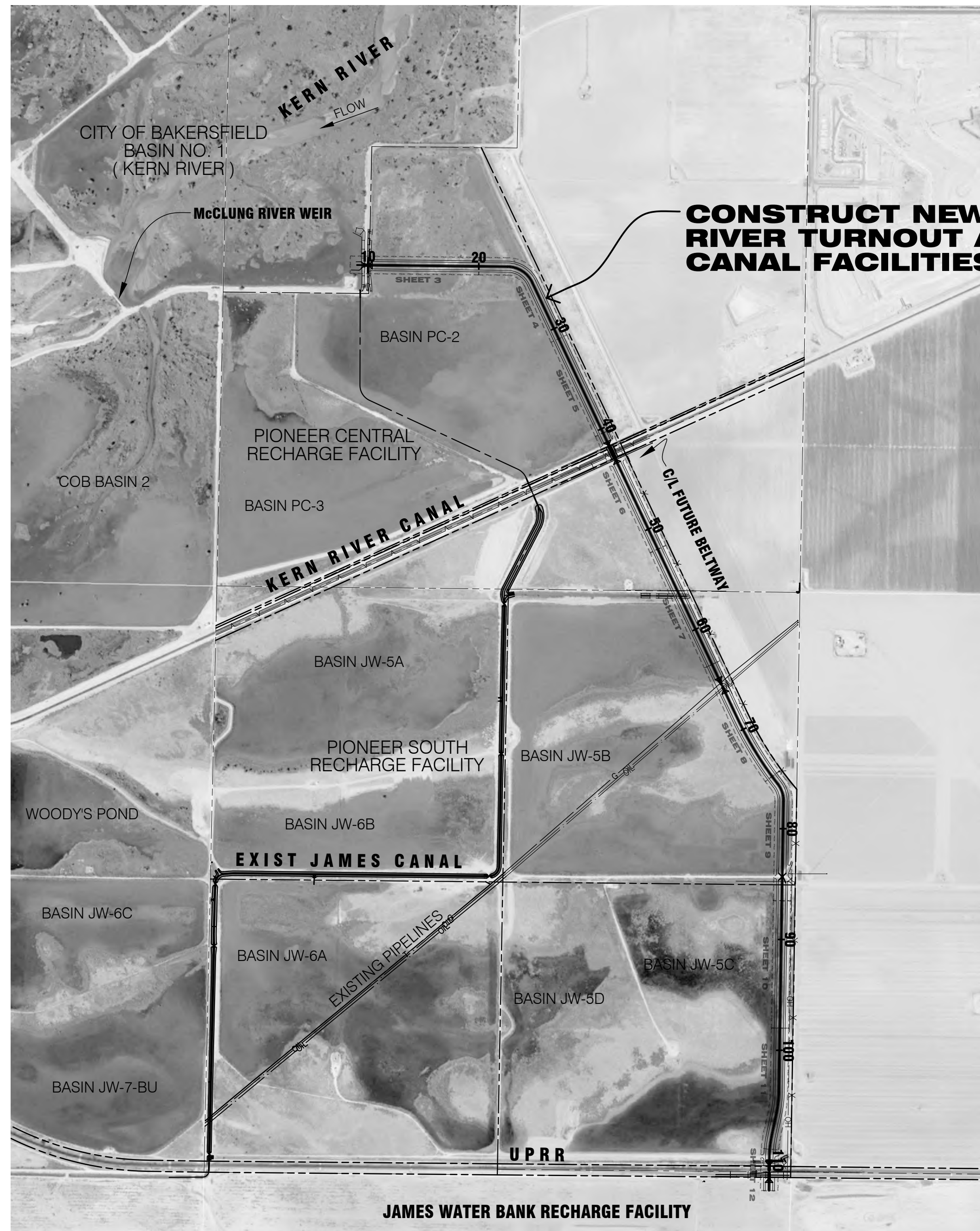
**ABBREVIATIONS**

PI POINT OF INTERSECTION	RRBWS ROSEDALE RIO-BRAVO WATER STORAGE DISTRICT	O/S OFFSET EACH WAY
R/W RIGHT OF WAY	P/WC POINT OF INTERSECTION, VERTICAL CURVE	EW EACH FACE
EP EDGE OF PAVEMENT	POVC POINT ON VERTICAL CURVE	EF NEAR FACE
INV INVERT	EVC END VERTICAL CURVE	NF FAR FACE
C/L CENTERLINE	BVC BEGIN VERTICAL CURVE	FF BOTTOM FACE
ELEV ELEVATION	TAN TANGENT LINE	BF TOP FACE
FG FINISHED GRADE	STA STATION	TF LINEAR FEET
AC ASPHALT CONCRETE		MON MONUMENT
AGG AGGREGATE		LCW LONG CREST WEIR
O.G. ORIGINAL GROUND		



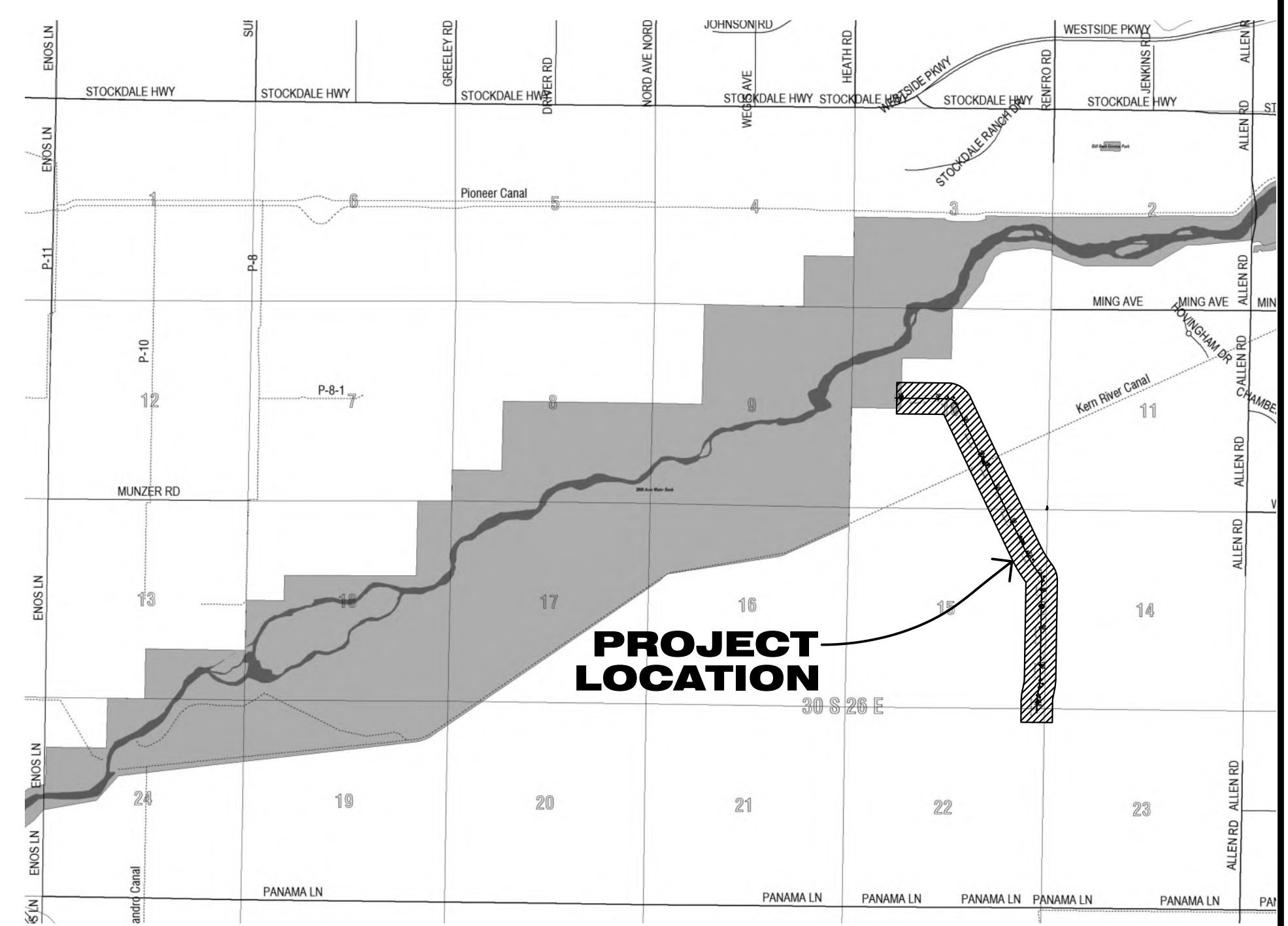
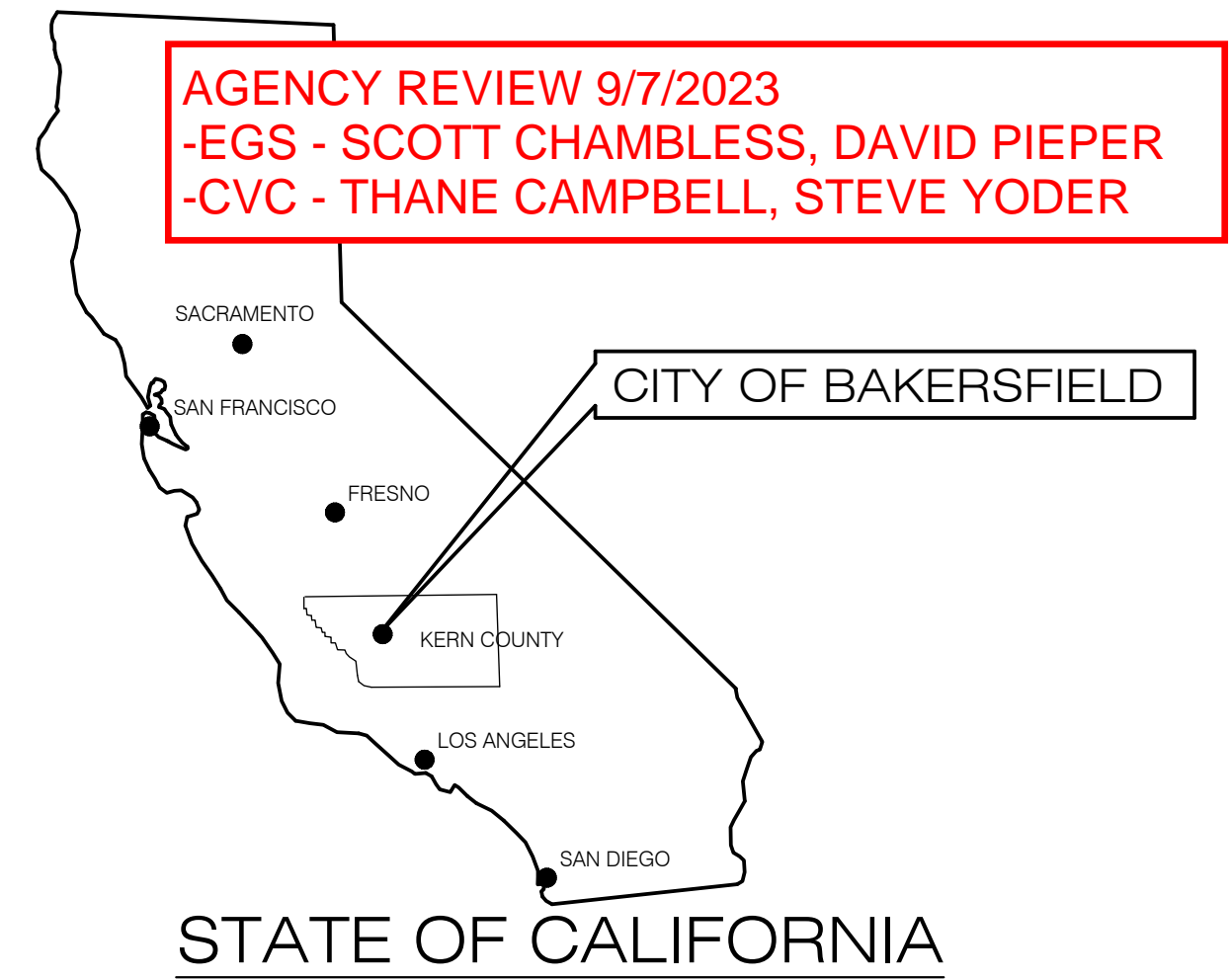
# JAMES WATER BANK AUTHORITY

## PLANS FOR CONSTRUCTION OF THE RIVER TURNOUT AND CANAL FACILITIES



**KEY MAP**

SCALE: 1"=800'



**LOCATION MAP**

90% COMPLETE - 7-28-23

SUBMITTED BY:

RICHARD D. MEYER, R.C.E. NO. 28104 DATE



APPROVED BY:

DAN BARTEL ASSISTANT GENERAL MANAGER/ENGINEER JAMES WATER BANK AUTHORITY DATE

RECORD DRAWING CERTIFICATION

JAMES WATER BANK AUTHORITY  
RIVER TURNOUT AND CANAL FACILITIES  
COVER AND TITLE SHEET

NO 1 OF ?? SHEETS

RIVER TURNOUT AND CANAL FACILITIES





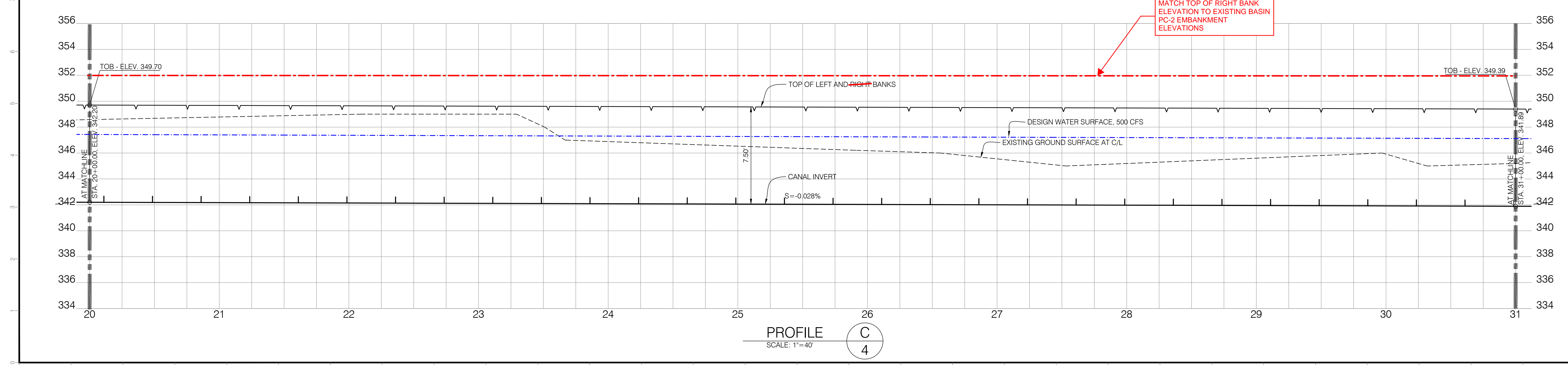
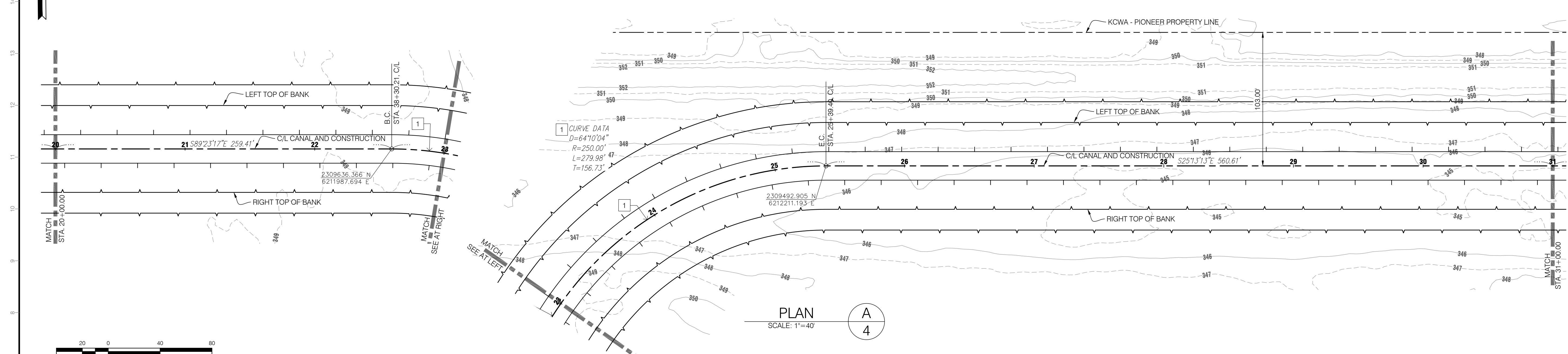
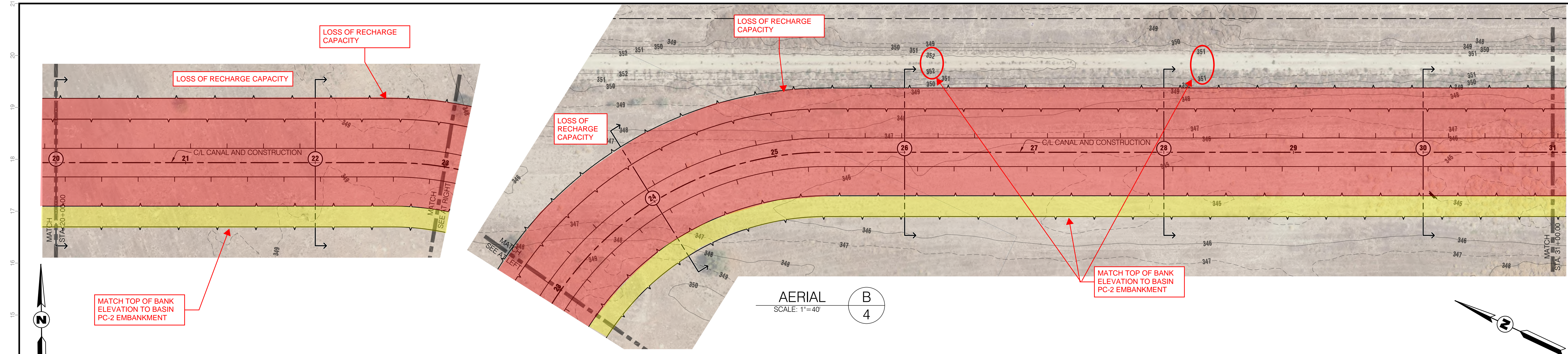
PLAN OF WORKS (A)  
SCALE: 1"=300'  
2

	<b>JAMES WATER BANK AUTHORITY</b> <b>RIVER TURNOUT AND CANAL FACILITIES</b>  <b>PROJECT OVERVIEW</b>	PM: RDM Drawn By: ? AutoCAD File: JW521001CNL File No: JW5B-21-001 Date: 07-28-23			
		11200 River Run Blvd, Ste. 102, Bakersfield, CA 93311 Phone 661-836-9834 FAX 661-836-9761	Richard D. Meyer, RCE 28104 Date		









**Meyer**  
Civil Engineering, Inc.  
11200 River Run Blvd, Ste. 102, Bakersfield, CA 93311  
Phone 661-836-9834 FAX 661-836-9761

Richard D. Meyer, PCE 28104

Approved By: \_\_\_\_\_  
Rev. No. \_\_\_\_\_ Date: \_\_\_\_\_  
Revision Description: \_\_\_\_\_

DATE: 07-28-23  
FILE NO: JWB21001  
DRAWN BY: JWB  
CHECKED BY: JWB

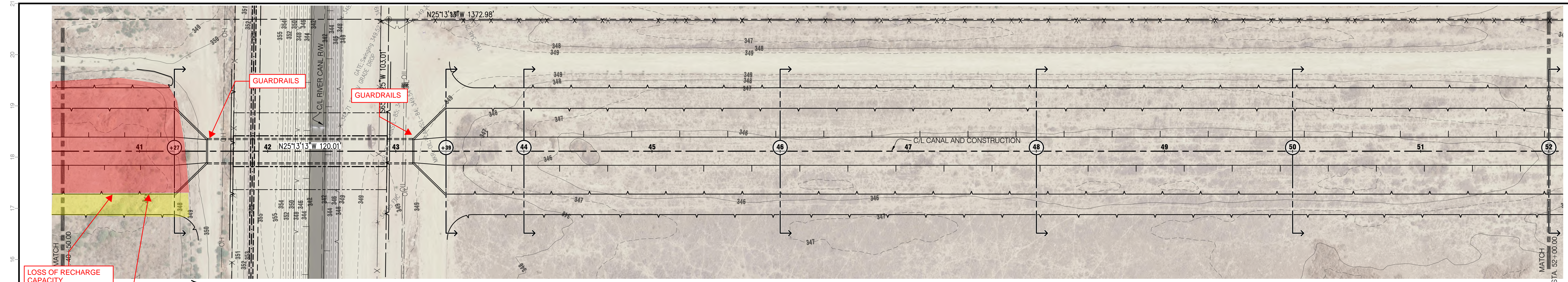
JAMES WATER BANK AUTHORITY  
RIVER TURNOUT AND CANAL FACILITIES  
PLAN PROFILE STA. 20~ TO 31~

SHEET NO. 4 of 33



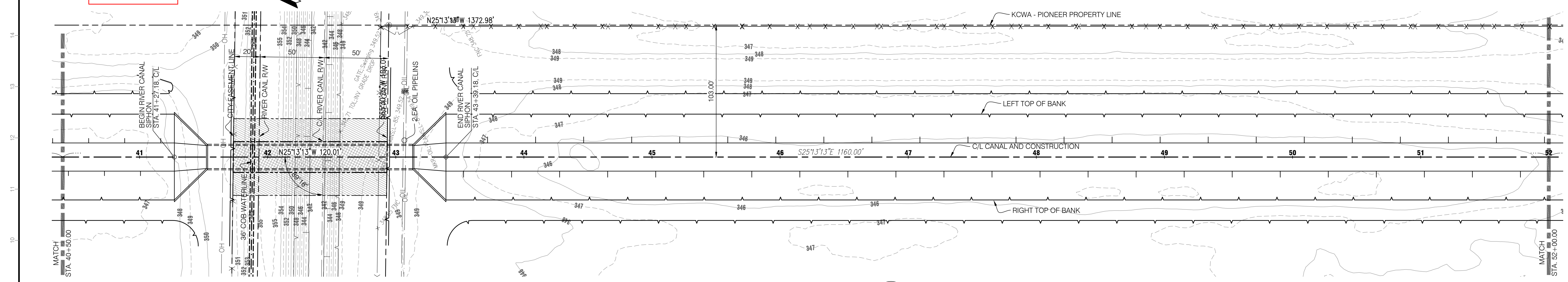






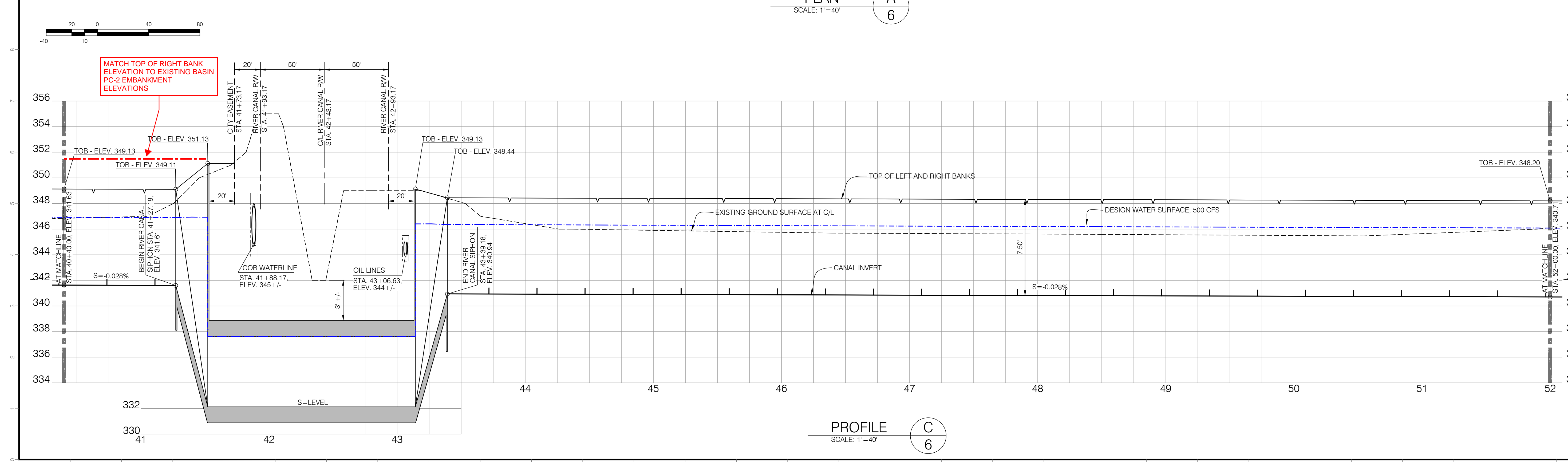
AERIAL  
SCALE: 1"=40'

B  
6



PLAN  
SCALE: 1"=40'

A  
6



PROFILE  
SCALE: 1"=40'

C  
6

Richard D. Meyer, FCE 28104
Date

**Meyer**  
Civil Engineering, Inc.  
11200 River Run Blvd, Ste. 102, Bakersfield, CA 93311  
Phone 661-836-9834

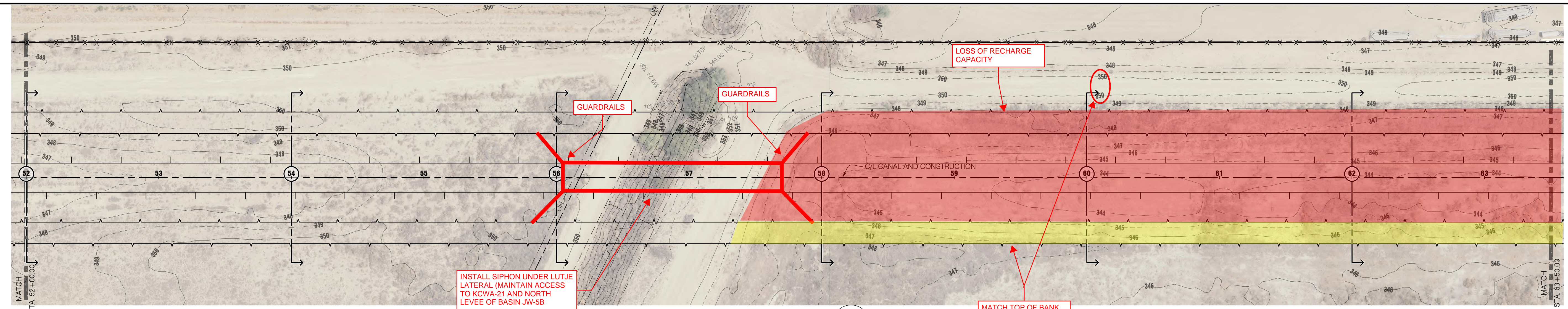
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Rev. No. \_\_\_\_\_ Date \_\_\_\_\_  
Revision Description \_\_\_\_\_

PROJECT: JAMES WATER BANK AUTHORITY  
DRAWN BY: JAMES WATER BANK AUTHORITY  
FILE NO: JWB-21-001  
DATE: 07-28-23

**JAMES WATER BANK AUTHORITY**  
RIVER TURNOUT AND CANAL FACILITIES  
PLAN PROFILE STA. 40+40 TO 52~

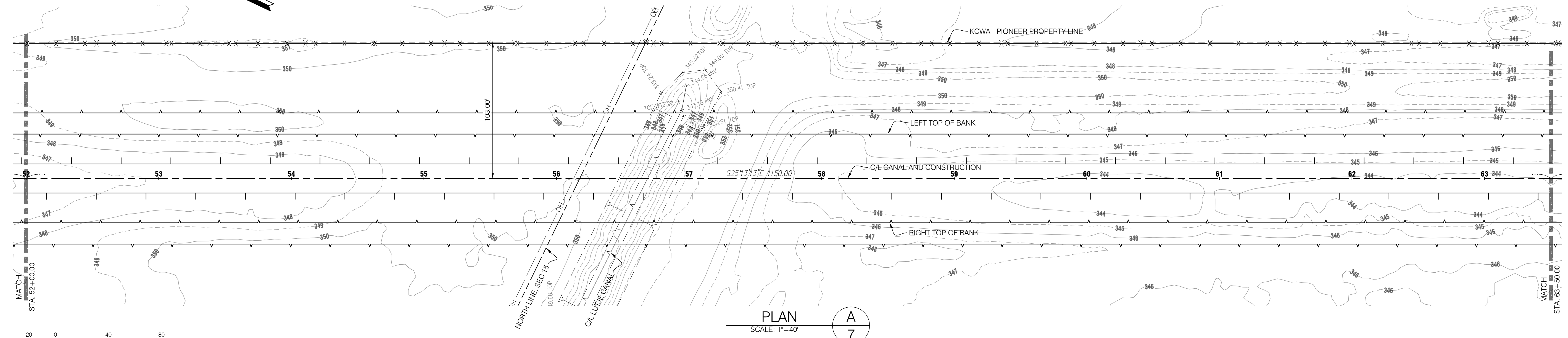
SHEET NO. 6
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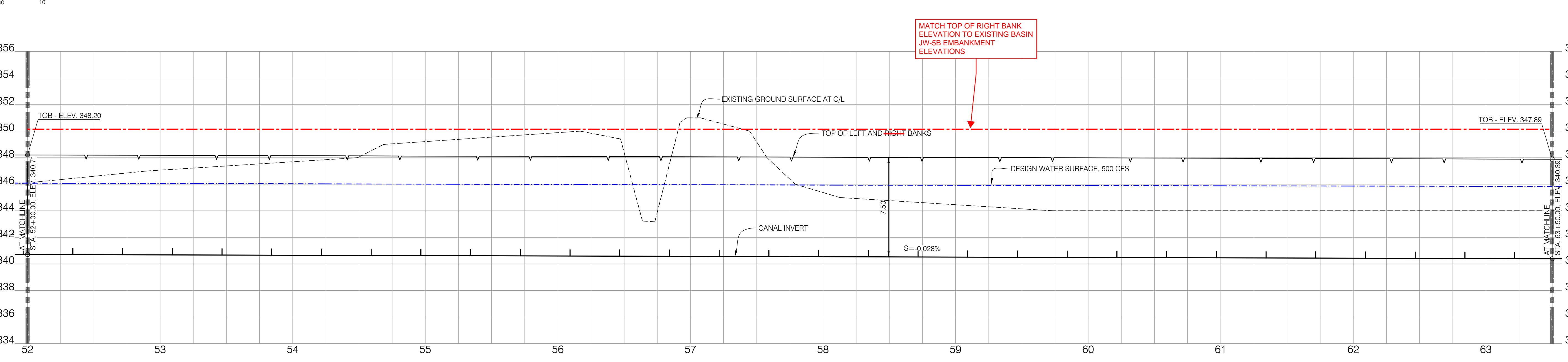
AERIAL  
SCALE: 1"=40'

(B)  
7



PLAN  
SCALE: 1"=40'

(A)  
7



PROFILE  
SCALE: 1"=40'

(C)  
7

Rev. No.	Date	Revision Description	Approved By

PKL	ROOM	Drawn By	Checked By	Date
JWB				

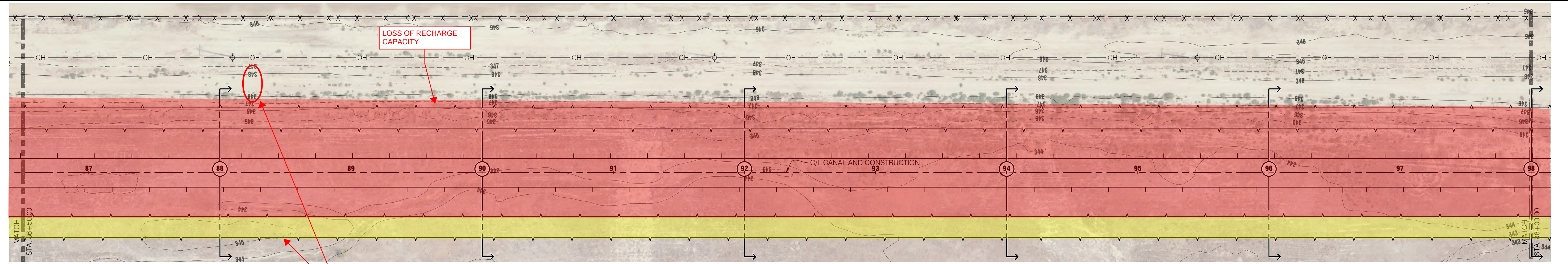




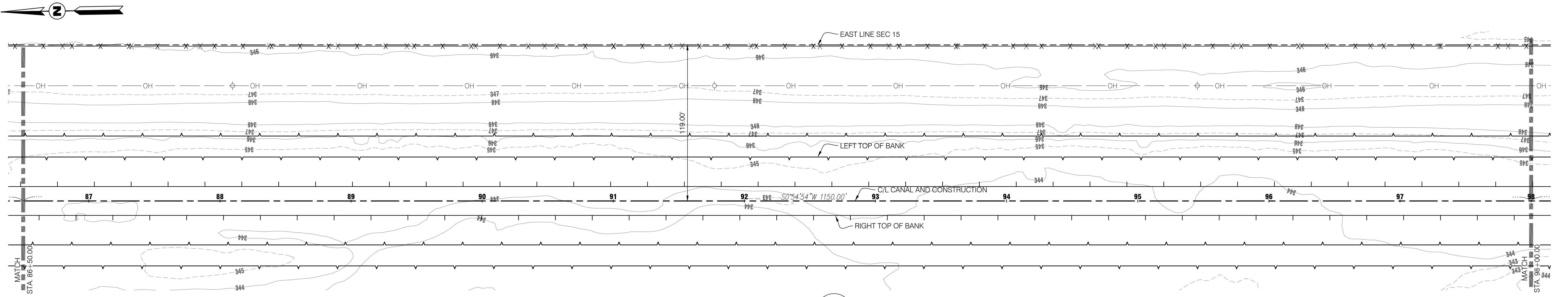




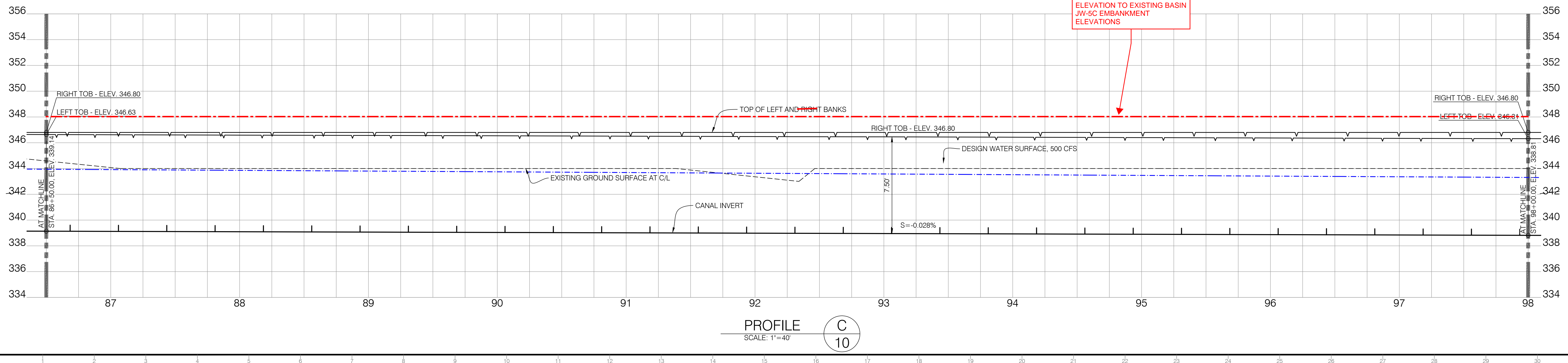




PLAN B  
SCALE: 1"=40'



PLAN A  
SCALE: 1"=40'



PROFILE C  
SCALE: 1"=40'

Rev. No.	Date	Revision Description	Approved By

PKL: RDM  
Drawn By: ?  
AutoCAD File: JW5C1001.DWG  
File Path: 21-001  
Date: 07-28-23

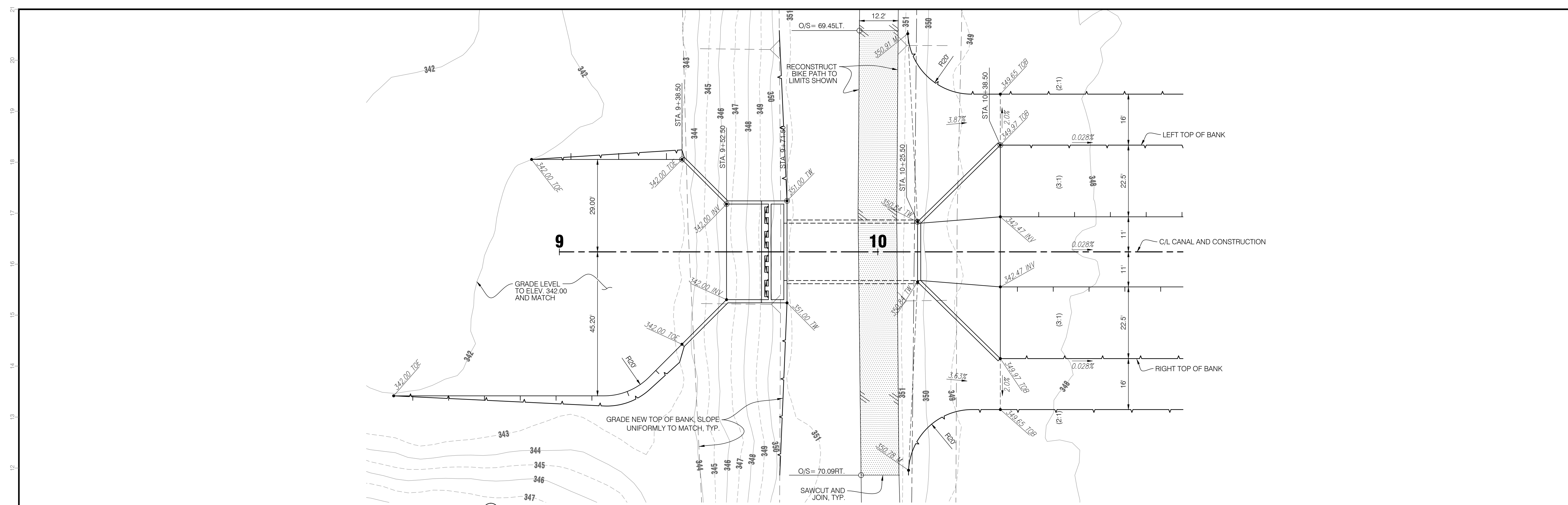




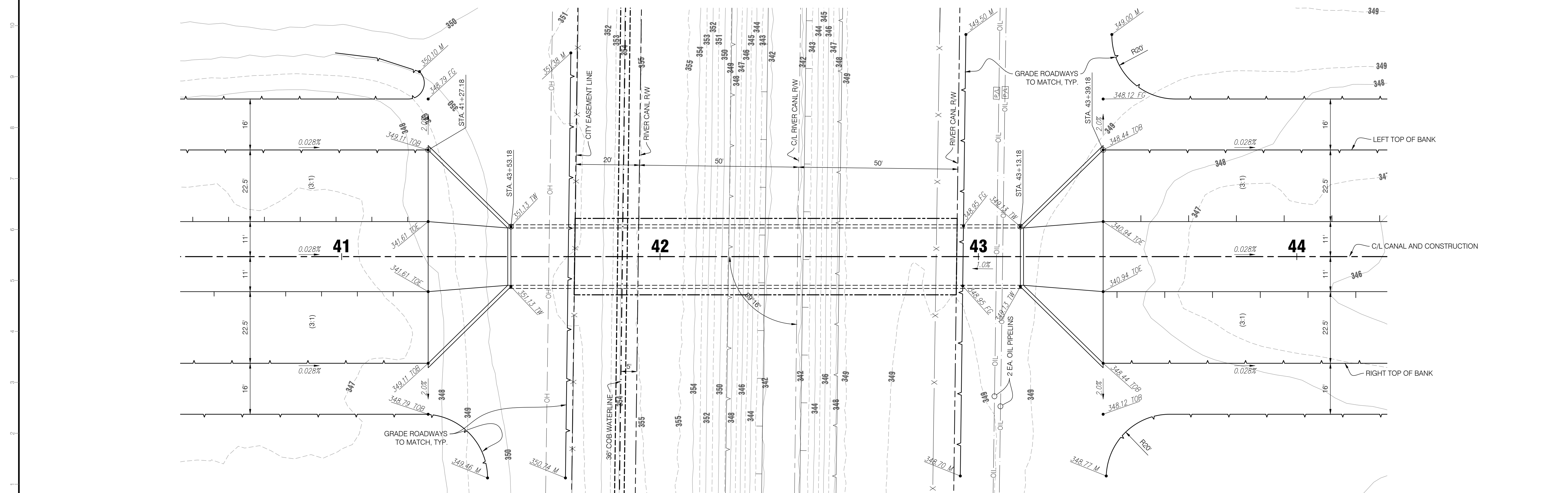




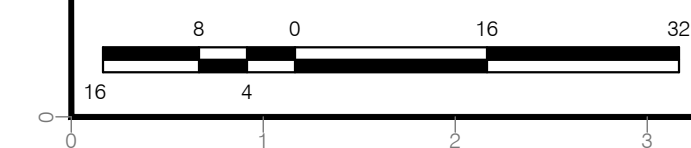




GRADING PLAN - RIVER TURNOUT A  
SCALE: 1"=16'



GRADING PLAN - RIVER CANAL SIPHON B  
SCALE: 1"=16'



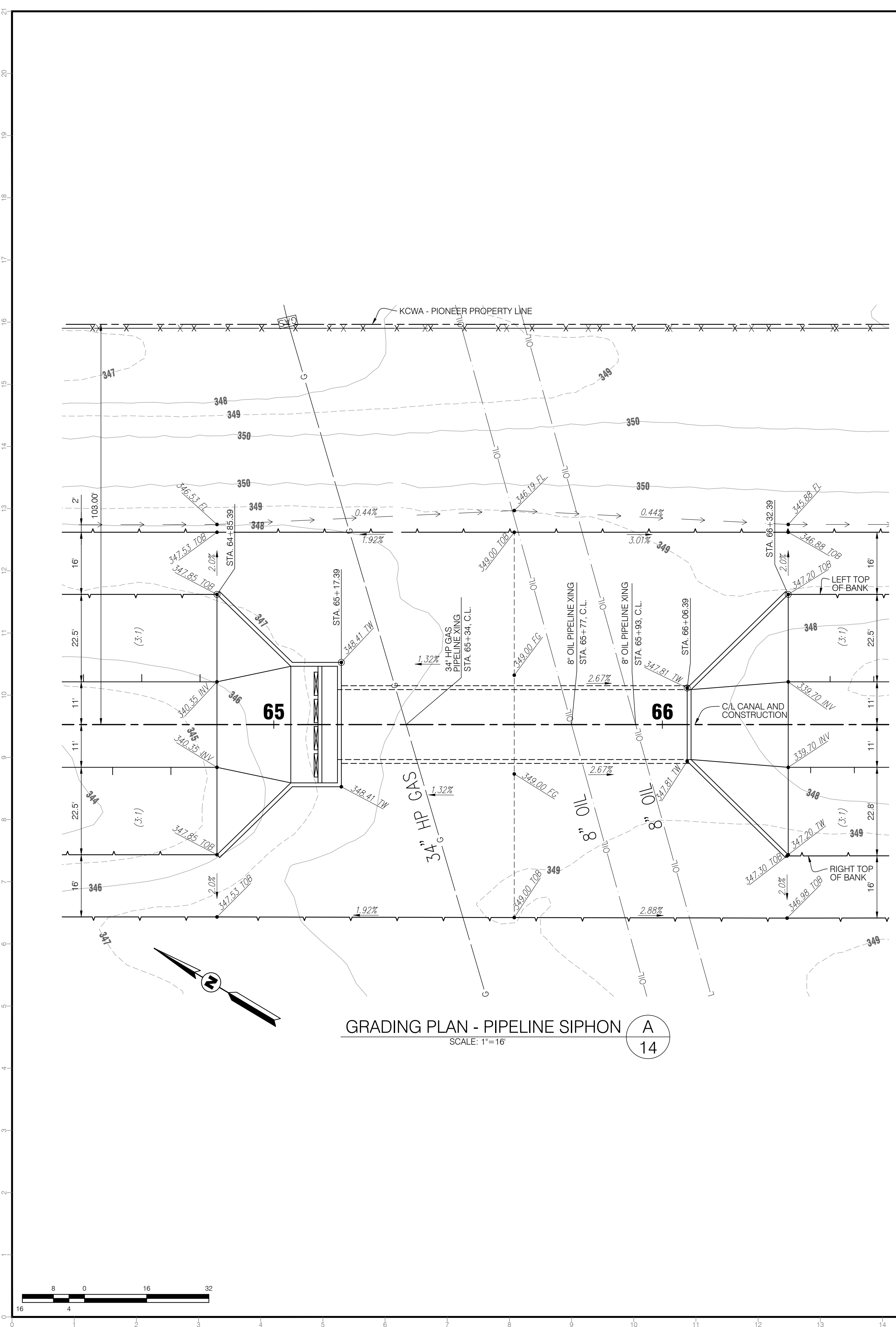
 <b>MCE Meyer</b> Civil Engineering, Inc. 11200 River Run Blvd, Ste. 102, Bakersfield, CA 93311 Phone 661-836-9834 FAX 661-836-9761	
Approved By: _____ Date: _____ Rev. No. _____ Date: _____ Revision Description: _____	PLOT ROOM _____ Drawn By: _____ AutoCAD File: JWB100101.DWG File Path: WBS 21-001 Date: 07-28-23
JAMES WATER BANK AUTHORITY RIVER TURNOUT AND CANAL FACILITIES <b>GRADING PLANS - RIVER TURNOUT          &amp; RIVER CANAL SIPHON</b>	
SHEET NO. <b>13</b>	

Richard D. Meyer, FCE 28104

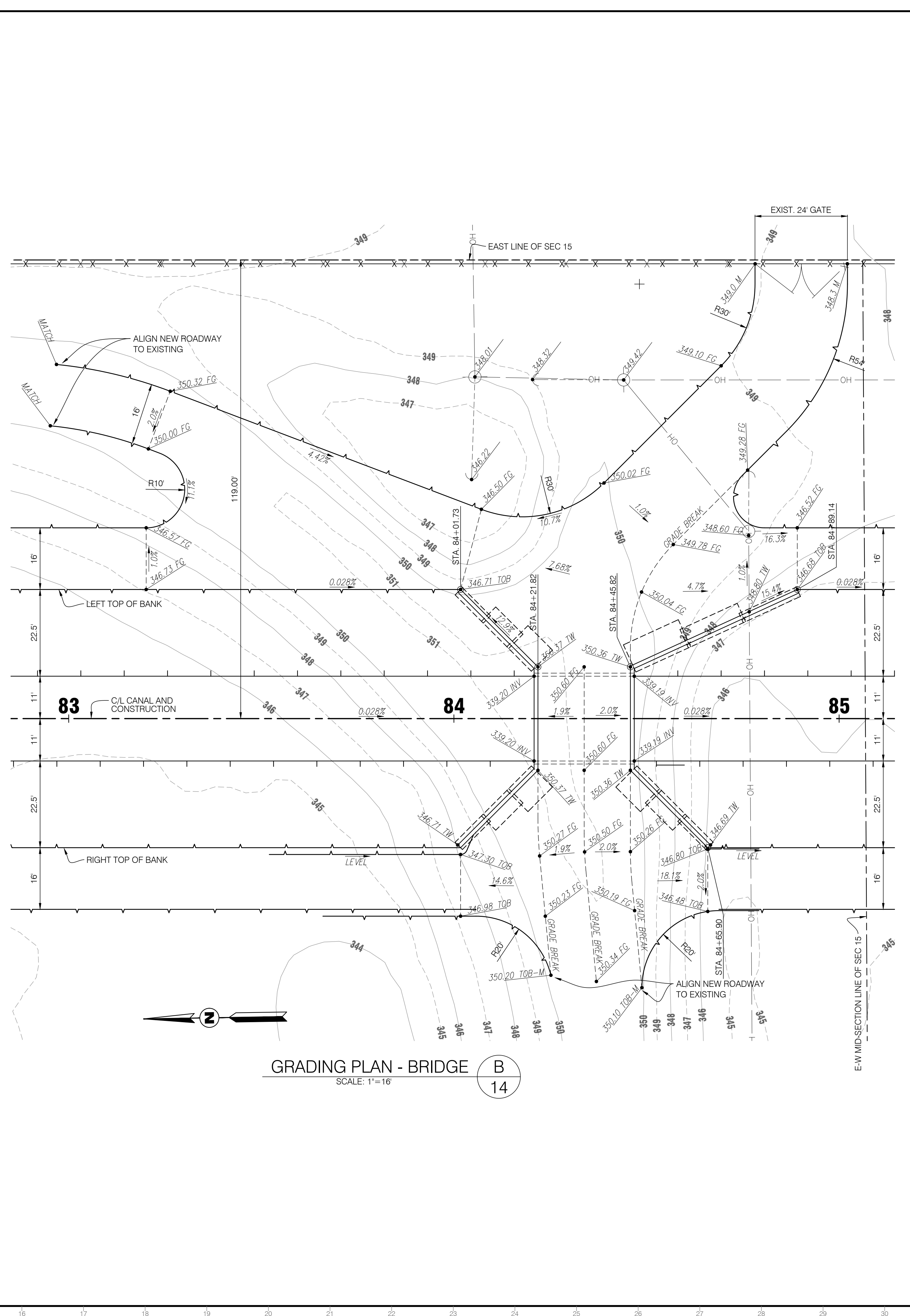
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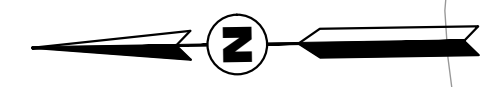
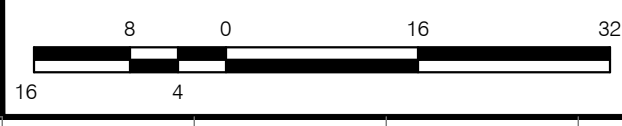




GRADING PLAN - PIPELINE SIPHON **A**  
SCALE: 1"=16'

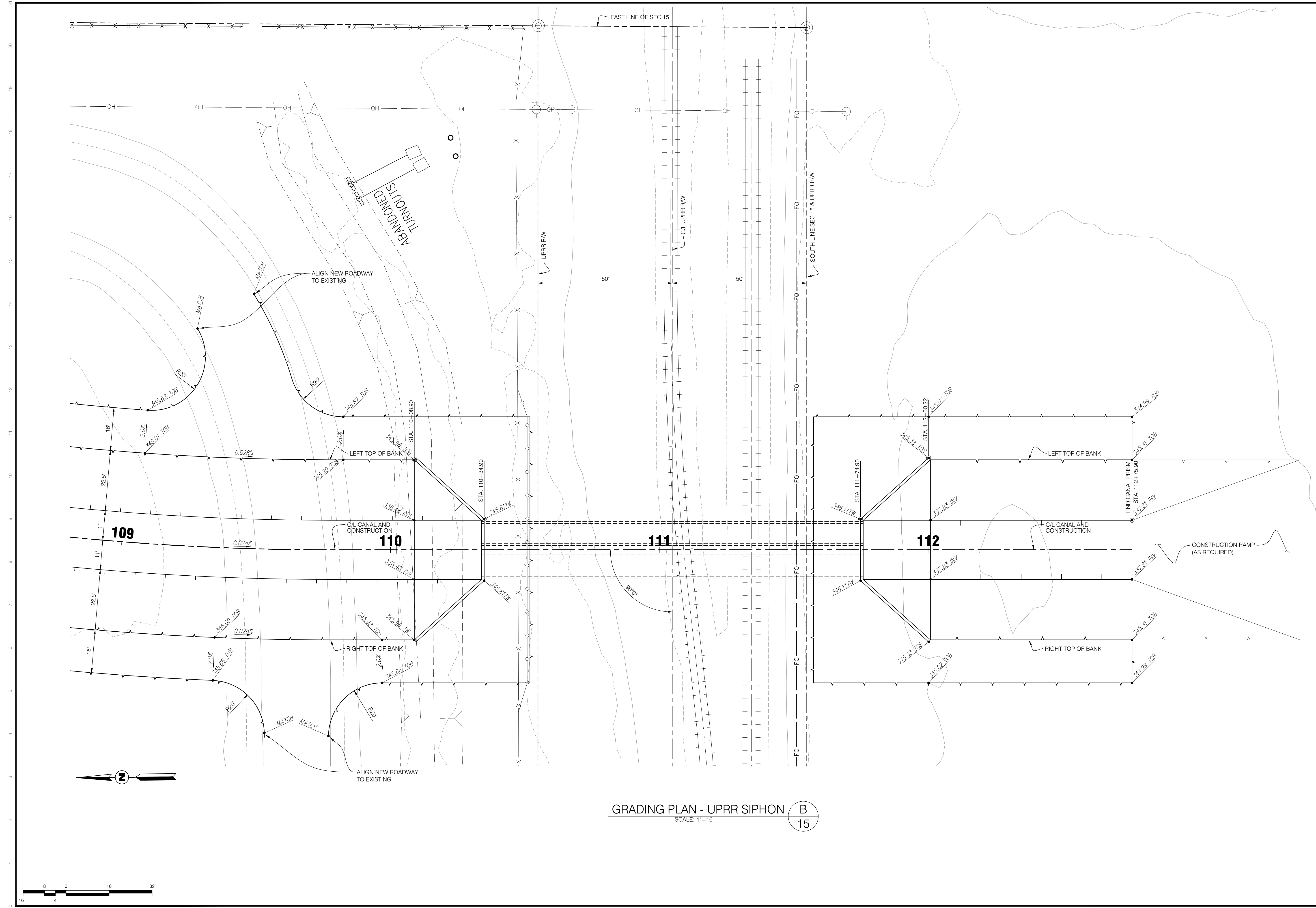


GRADING PLAN - BRIDGE **B**  
SCALE: 1"=16'

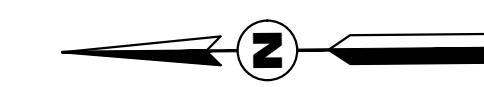
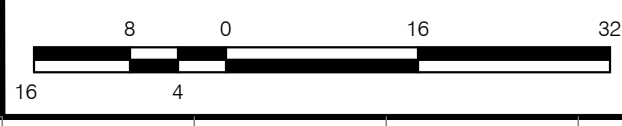


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Approved By: _____ Date: _____ Revision Description: _____ Rev. No. _____ Date: _____	PLOT ROOM _____ Drawn By: _____ AutoCAD File: JAMES1001.DWG File Path: 108-21-001 Date: 07-28-23
JAMES WATER BANK AUTHORITY RIVER TURNOUT AND CANAL FACILITIES GRADING PLANS - PIPELINE CHECK-SIPHON & PIONEER BRIDGE	
SHEET NO. <div style="font-size: 2em; font-weight: bold;">14</div> OF <div style="font-size: 2em; font-weight: bold;">33</div>	



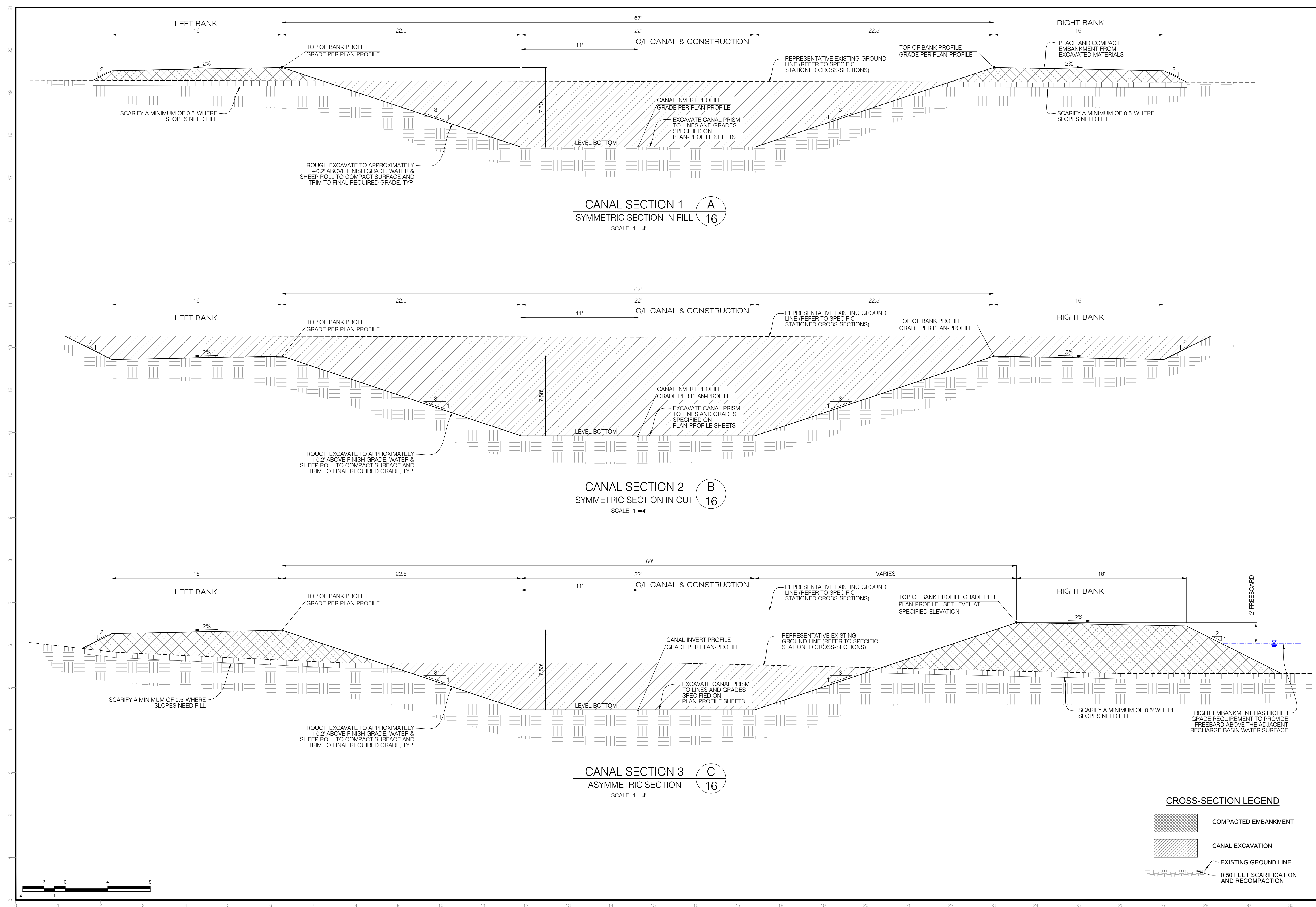


GRADING PLAN - UPRR SIPHON **B**  
SCALE: 1"=16'  
**15**



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PLOT FROM: _____ DRAWN BY: _____ AUTO-CAD FILE: _____ FILE NO: 108-21-001 DATE: 07-28-23	JAMES WATER BANK AUTHORITY RIVER TURNOUT AND CANAL FACILITIES GRADING PLAN UPRR SIPHON	
SHEET NO. <b>15</b> of <b>33</b>		Richard D. Meyer, FCE 28104

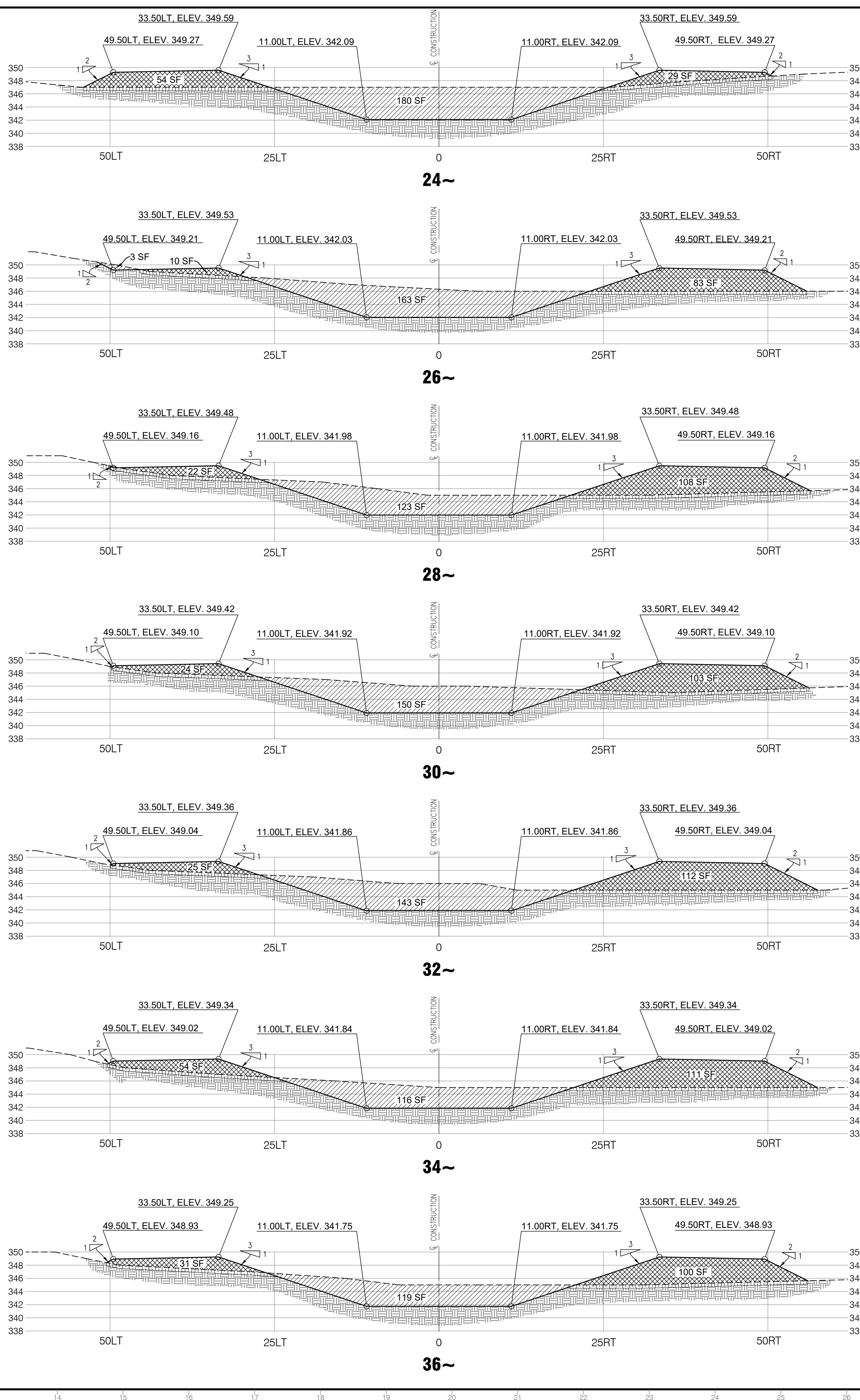
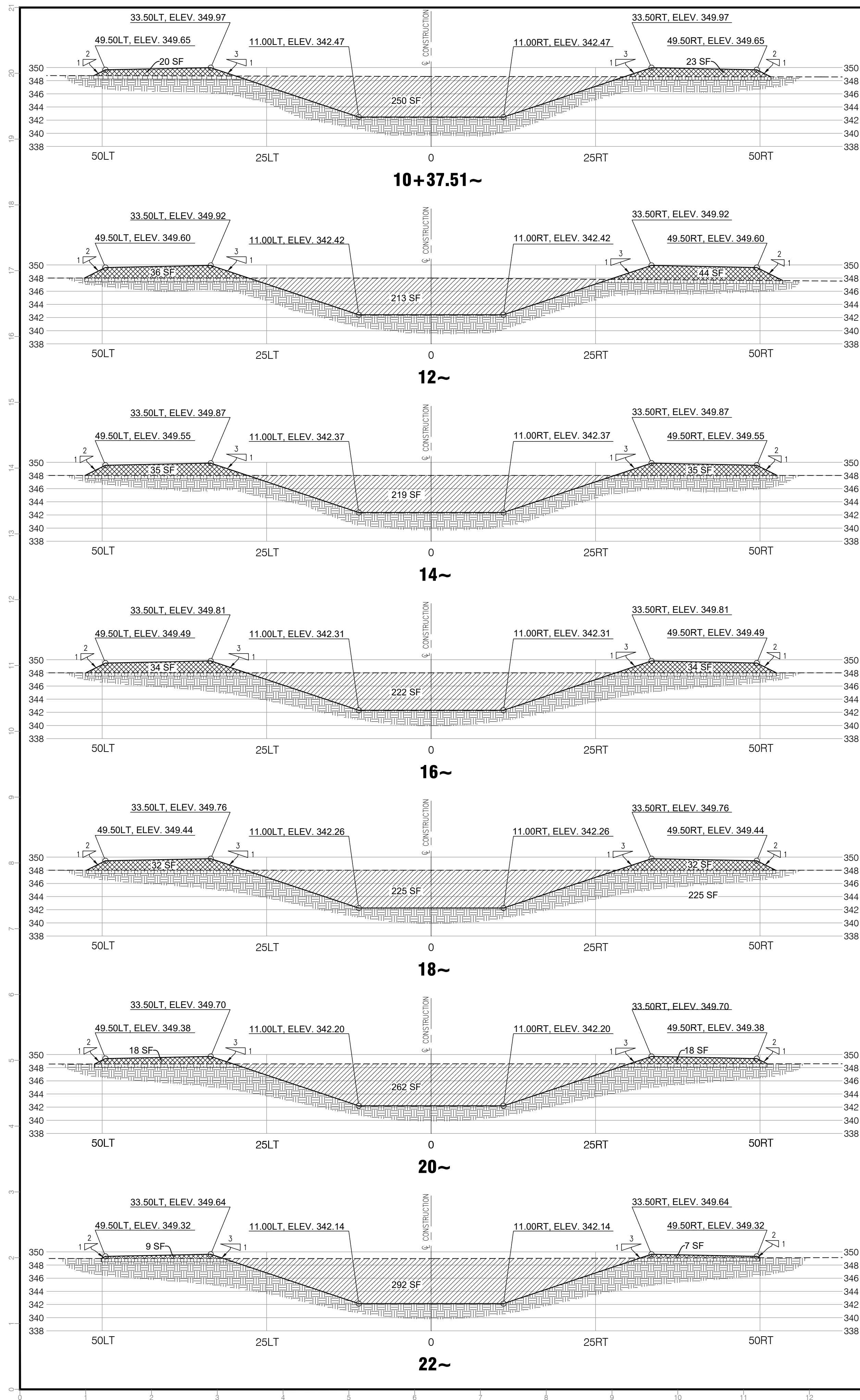




Rev. No.	Date	Revision Description	Approved By

PKL	RDW	
Drawn By:		
AutoCAD File:	JAMES01001.DWG	
File No:	01-001	
Date:	07-28-23	





**CROSS-SECTION LEGEND**

- COMPACTED EMBANKMENT
- CANAL EXCAVATION
- EXISTING GROUND LINE
- 0.50 FEET SCARIFICATION AND RECOMPACTION

JAMES WATER BANK AUTHORITY  
 RIVER TURNOUT AND CANAL FACILITIES  
 CROSS SECTIONS STA. 10~ TO 36~

**SHEET NO. 17 OF ??**

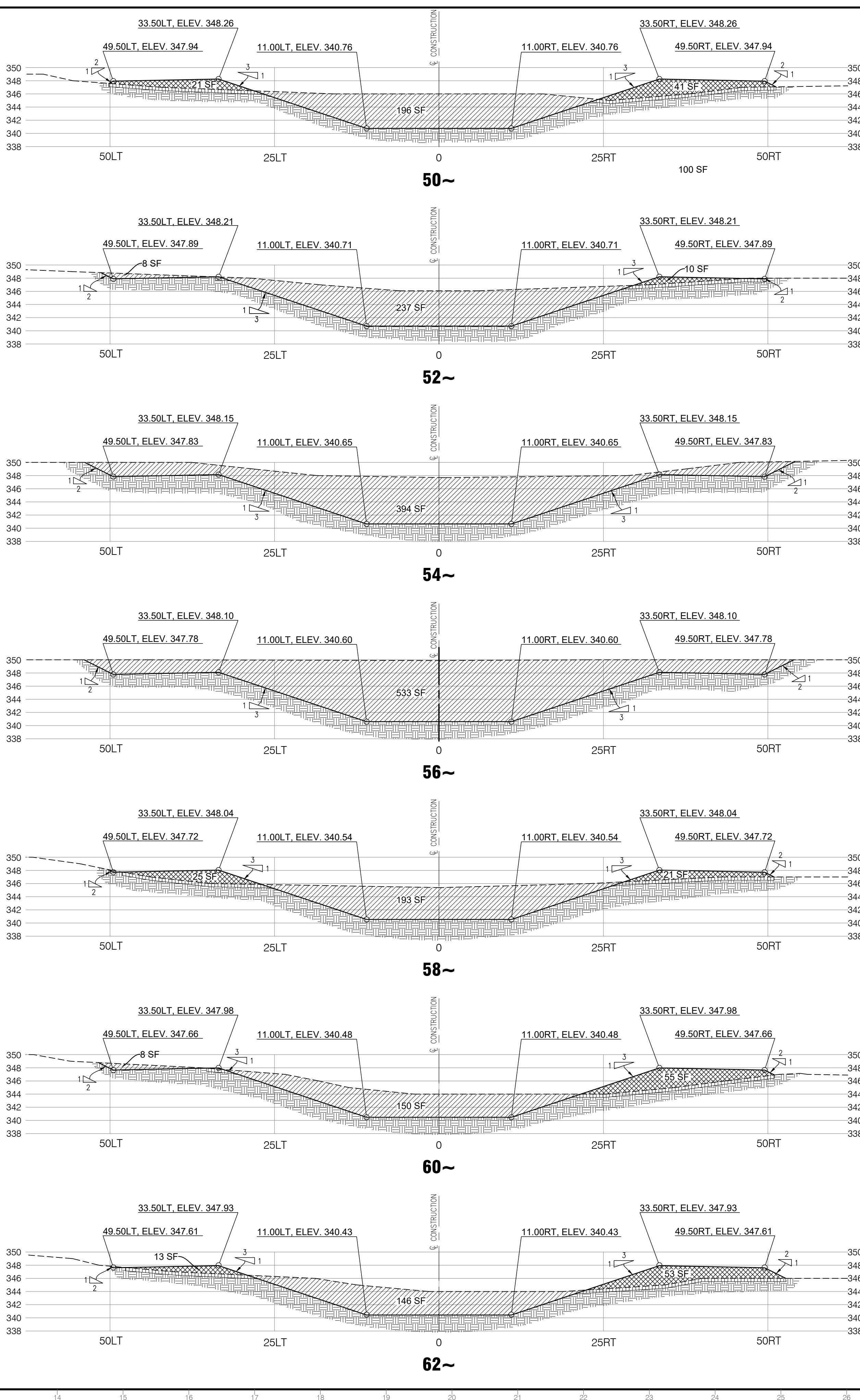
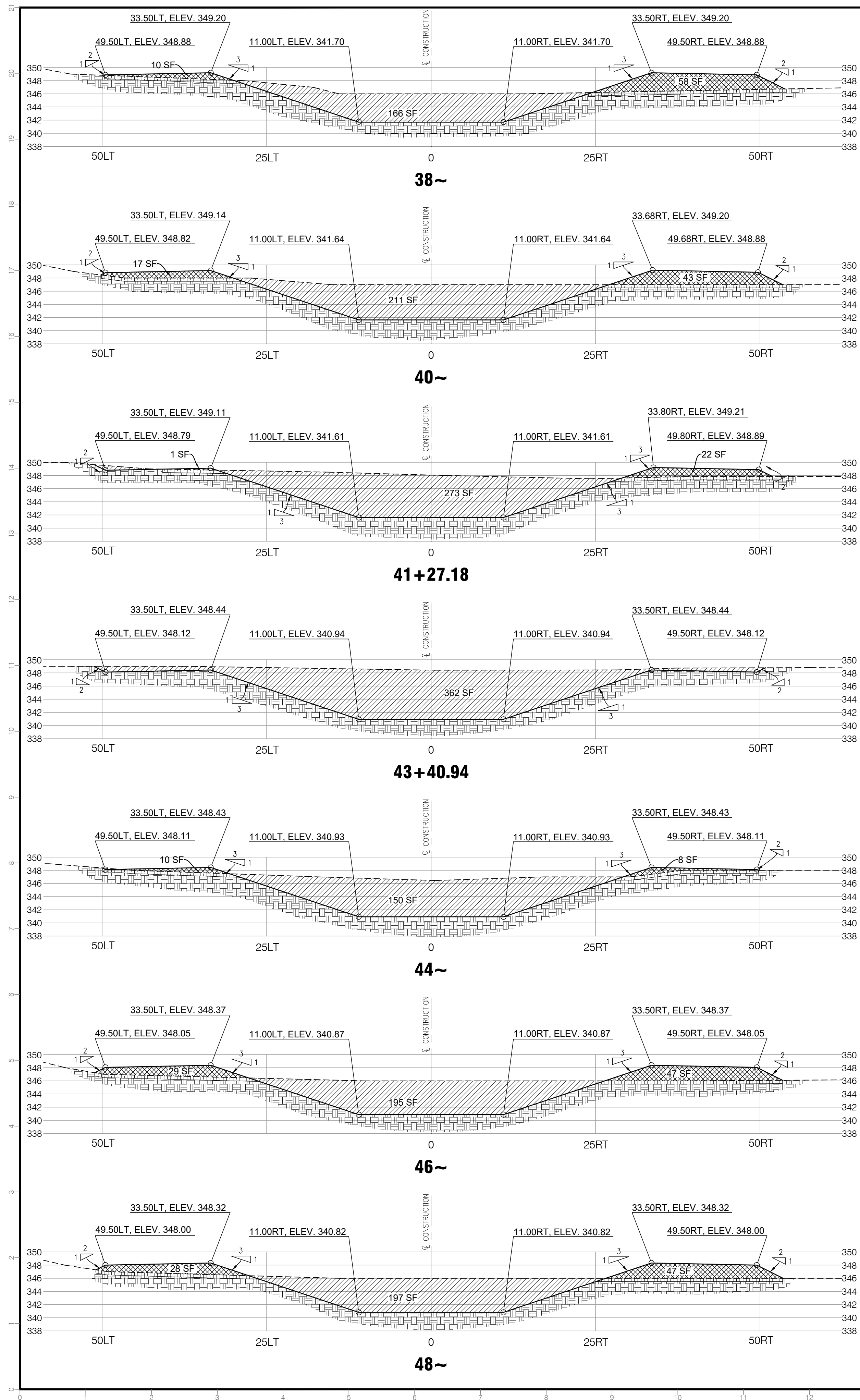
Approved By: \_\_\_\_\_  
 Date: \_\_\_\_\_

Revision Description: \_\_\_\_\_  
 Rev. No. \_\_\_\_\_ Date: \_\_\_\_\_

MEYER Civil Engineering, Inc.  
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Richard D. Meyer, P.E. FCE 28104





**CROSS-SECTION LEGEND**

- COMPACTED EMBANKMENT
- CANAL EXCAVATION
- EXISTING GROUND LINE
- 0.50 FEET SCARIFICATION AND RECOMPACTION



JAMES WATER BANK AUTHORITY  
RIVER TURNOUT AND CANAL FACILITIES  
CROSS SECTIONS STA. 38~ TO 62~

SHEET NO. 18 OF ??

Approved By: \_\_\_\_\_

Rev. No. \_\_\_\_\_

Date: \_\_\_\_\_

Revision Description: \_\_\_\_\_

Richard D. Meyer, P.E. 28104

Phone 661-836-9761

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MCE Civil Engineering, Inc.

















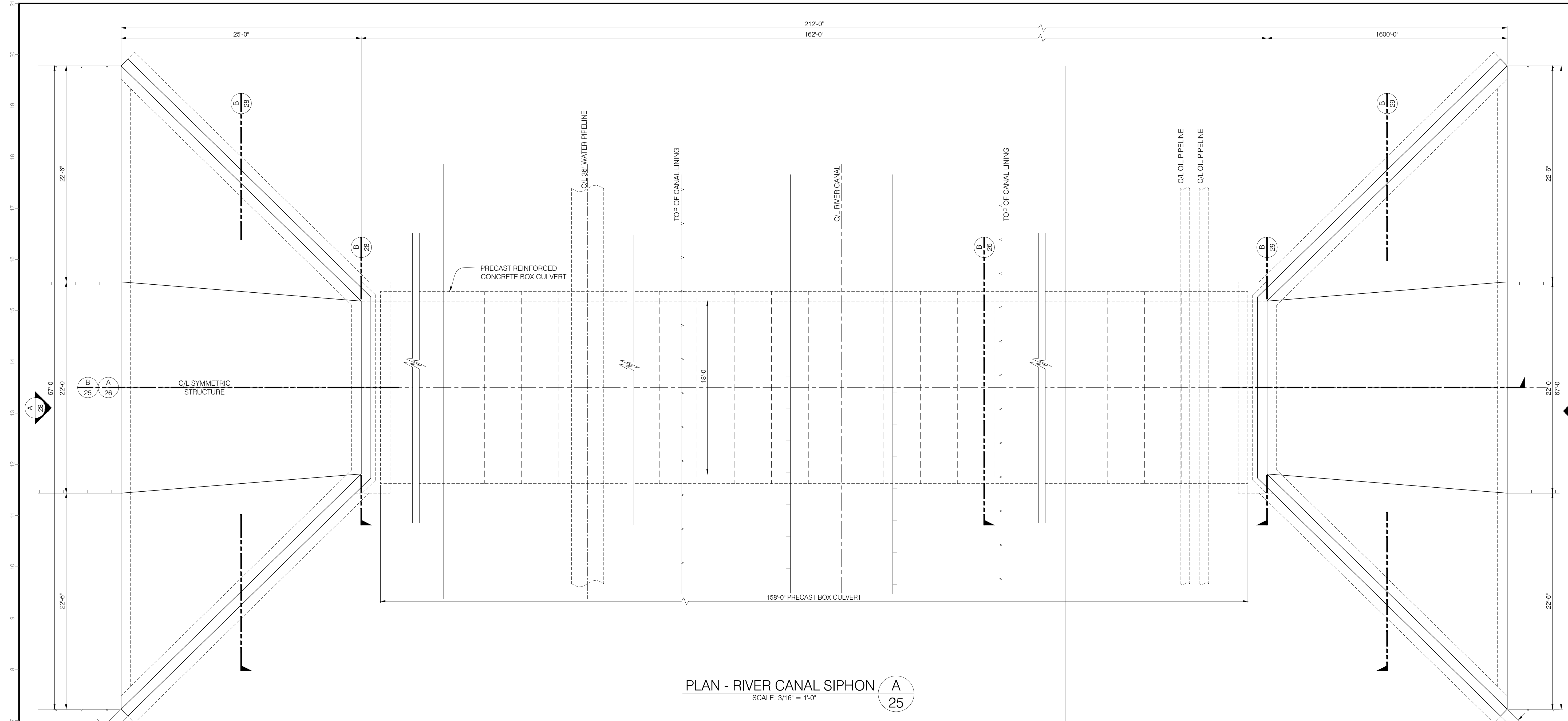




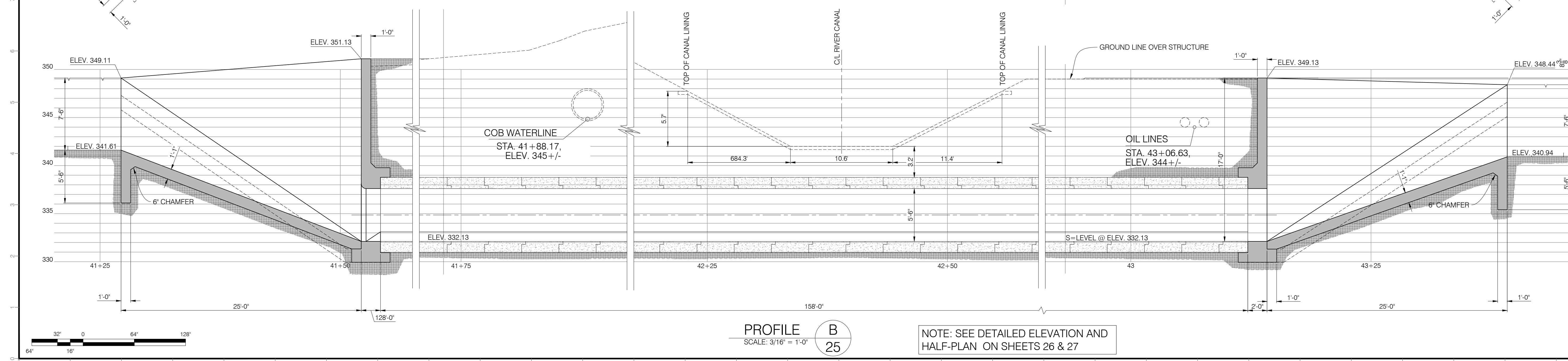








PLAN - RIVER CANAL SIPHON **A**  
 SCALE: 3/16" = 1'-0" **25**



PROFILE **B**  
 SCALE: 3/16" = 1'-0" **25**

NOTE: SEE DETAILED ELEVATION AND HALF-PLAN ON SHEETS 26 & 27

Date \_\_\_\_\_  
 Richard D. Meyer, FCE 28104

**Meyer**  
 Civil Engineering, Inc.  
 11200 River Run Blvd, Ste 102, Bakersfield, CA 93311  
 Phone 661-836-9834  
 MeyerCE.net

Rev. No.	Date	Revision Description	Approved By

PLOT: RDM  
 Drawn By: ?  
 AutoCAD File: JWB21001ST1  
 File Path: 21-001  
 Date: 07-28-23

JAMES WATER BANK AUTHORITY  
 RIVER TURNOUT AND CANAL FACILITIES  
 STRUCTURE PLAN-PROFILE -  
 RIVER CANAL SIPHON

SHEET NO.  
**25**  
 OF  
 33











































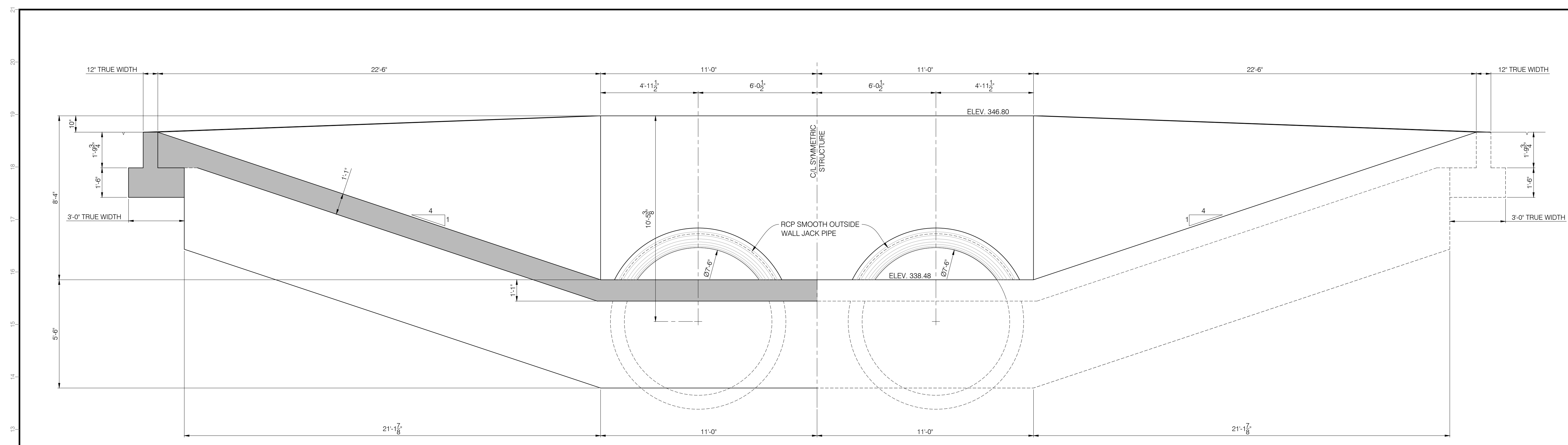




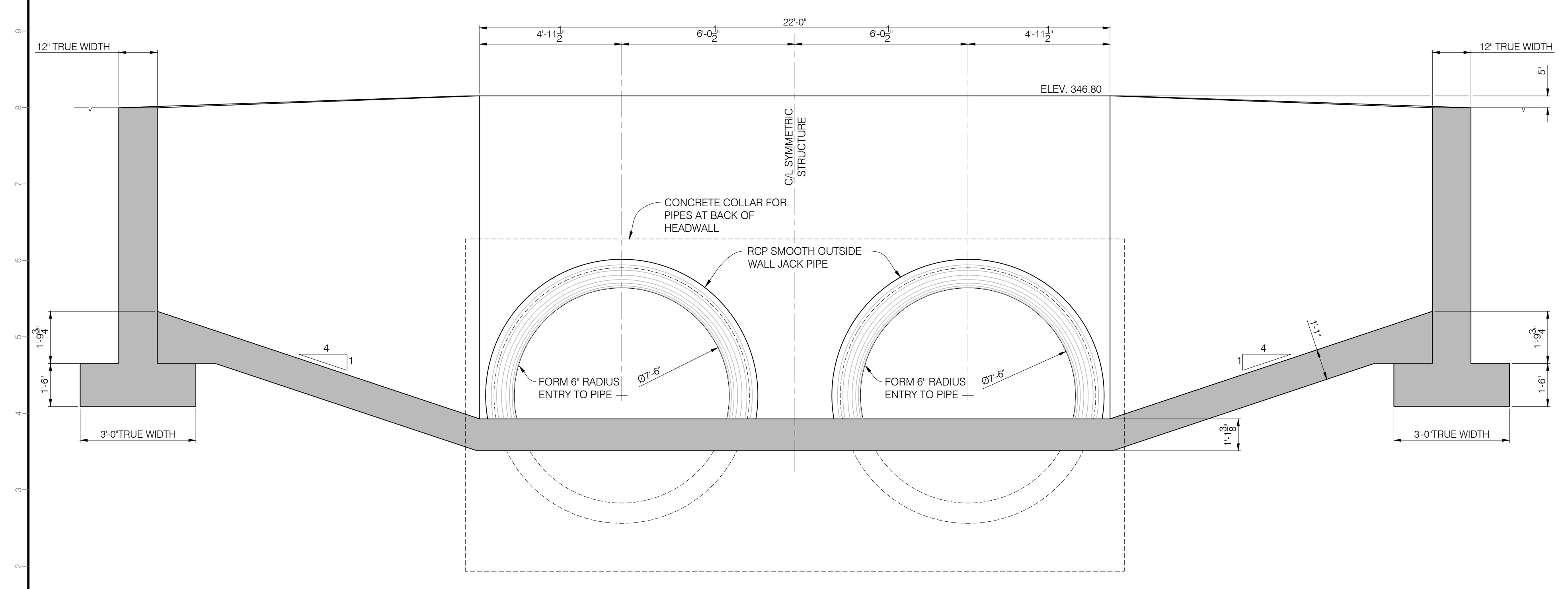




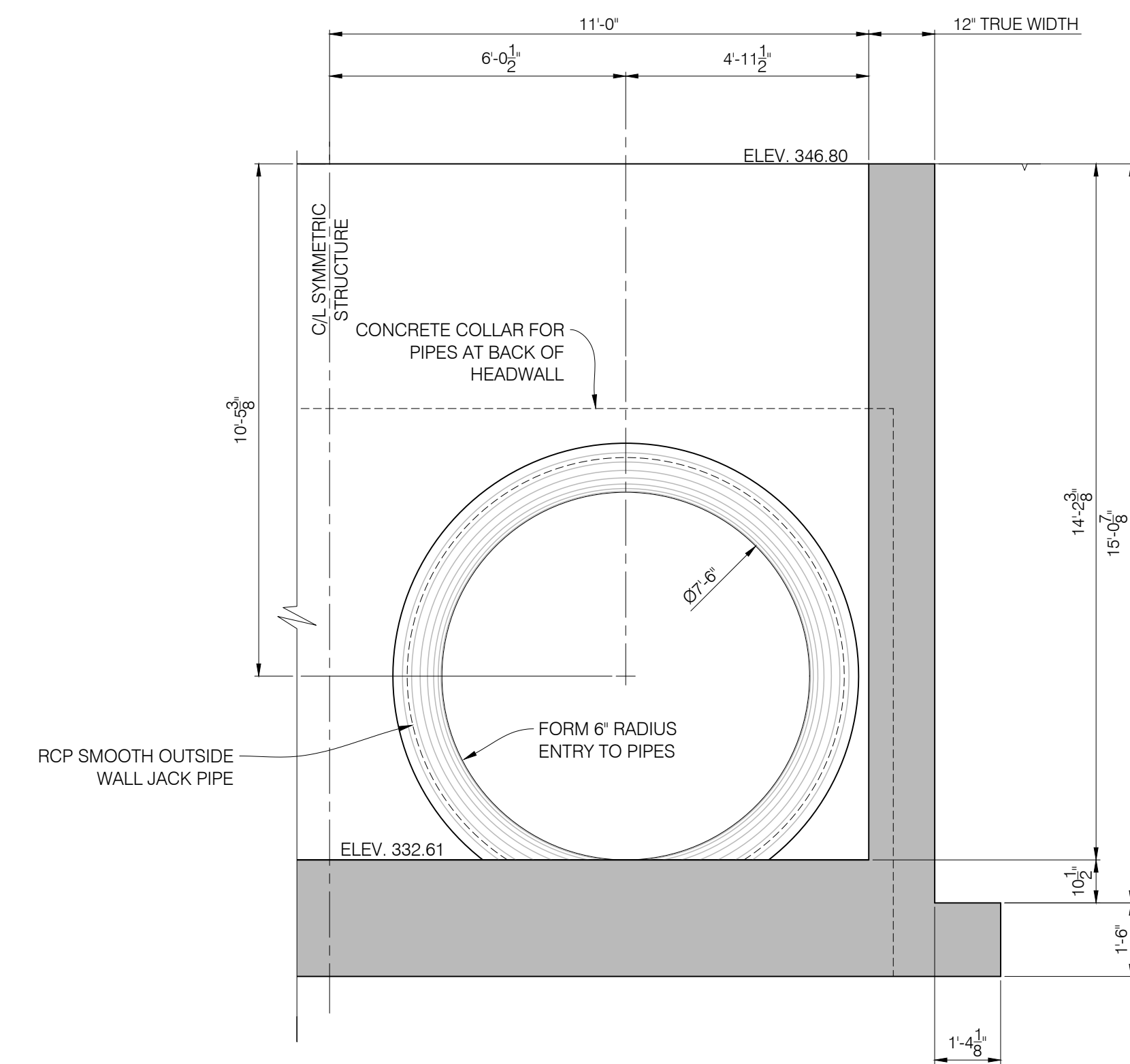




SECTION - INLET **A**  
UPRR SIPHON **40**  
SCALE: 3/8" = 1'-0"



SECTION - INLET **B**  
UPRR SIPHON **40**  
SCALE: 3/8" = 1'-0"

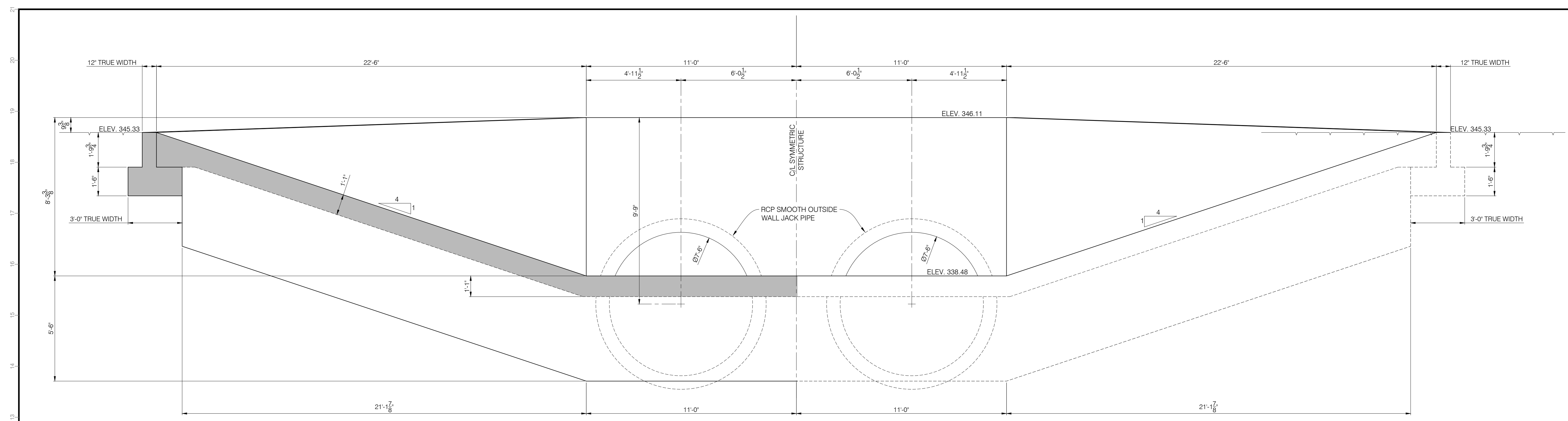


SECTION - INLET **C**  
UPRR SIPHON **40**  
SCALE: 3/8" = 1'-0"

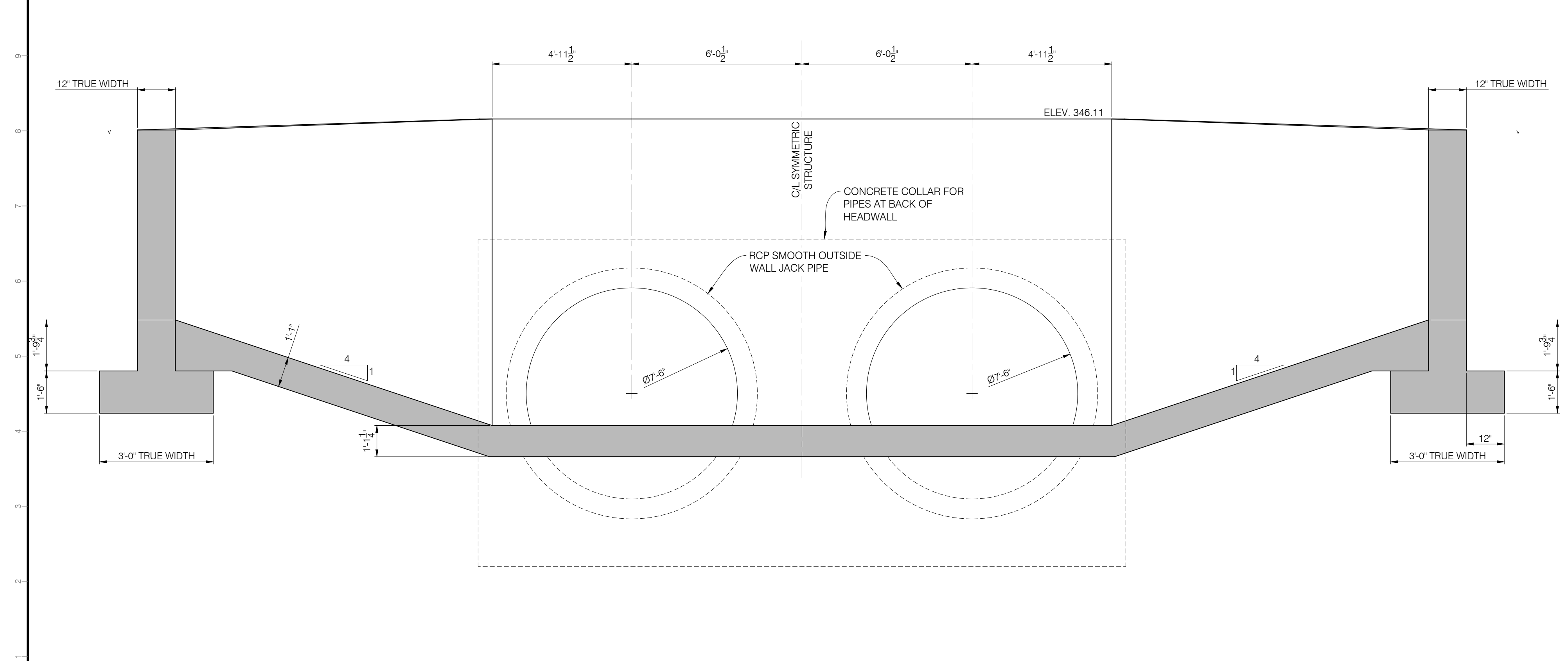


		Civil Engineering, Inc. 11200 River Run Blvd, Ste 102, Bakersfield, CA 93311 Phone 661-836-9834 MeyerCE.net	Richard D. Meyer, FCE 28104 Date
JAMES WATER BANK AUTHORITY RIVER TURNOUT AND CANAL FACILITIES INLET ELEVATIONS - UPRR SIPHON		Approved By: _____ Date: _____	Revision Description: Rev. No.    Date
PLOT: RDM Drawn By: ? AutoCAD File: JWB21001ST1 File Path: 21-001 Date: 07-28-23	Scale: 3/8" = 1'-0"	SHEET NO. <b>40</b> OF <b>33</b>	Date

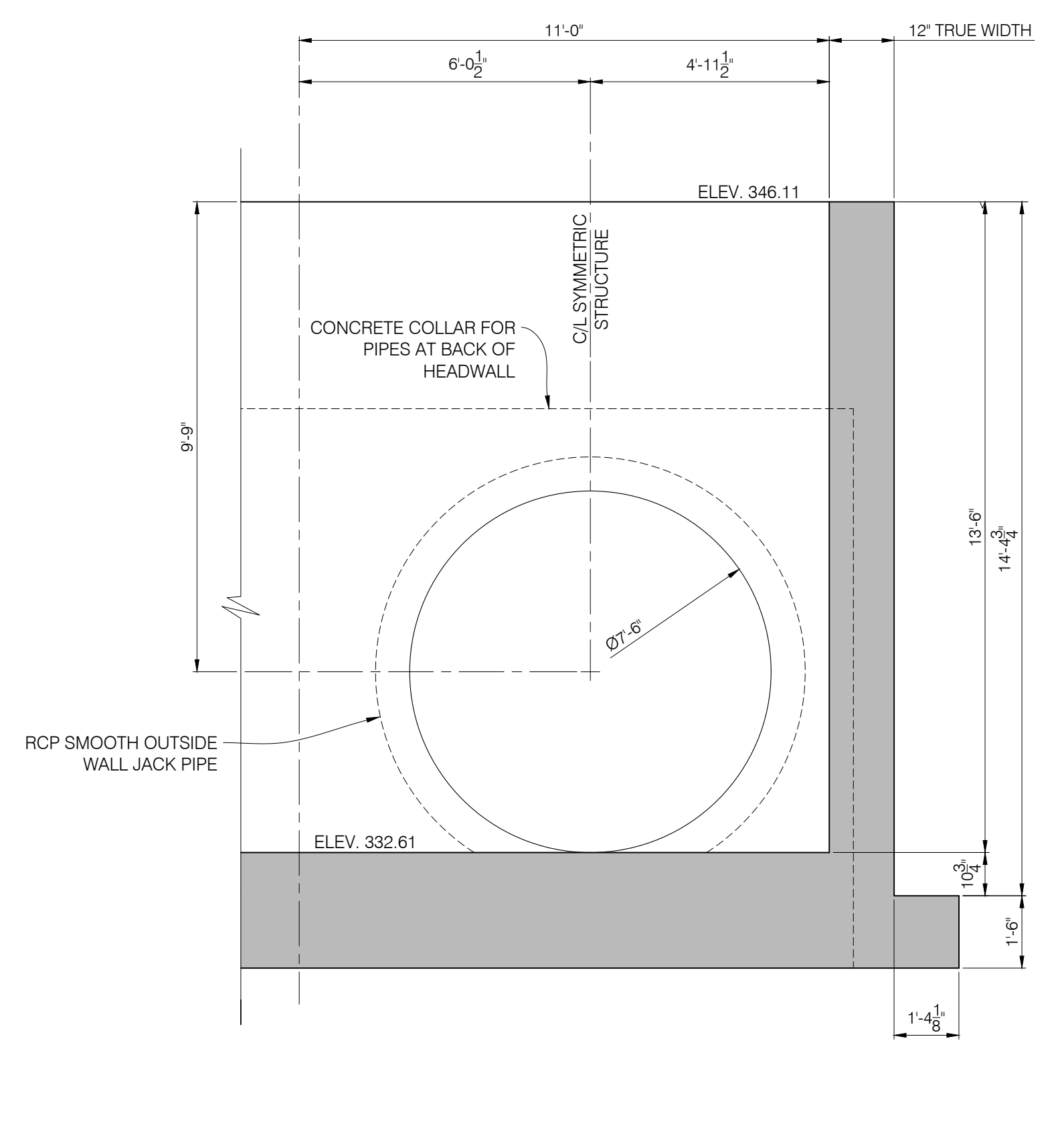




SECTION VIEW - UPRR SIPHON **A**  
SCALE: 3/8" = 1'-0" **41**



SECTION VIEW - UPRR SIPHON **B**  
SCALE: 3/8" = 1'-0" **41**



SECTION VIEW - UPRR SIPHON **C**  
SCALE: 3/8" = 1'-0" **41**



		Richard D. Meyer, PCE 28104 Date: _____
<b>MCE Meyer</b> Civil Engineering, Inc. 11200 River Run Blvd, Ste 102, Bakersfield, CA 93311 Phone 661-836-9834 MeyerCE.net		Approved By: _____ Revision Description: _____ Rev. No. _____ Date: _____
JAMES WATER BANK AUTHORITY RIVER TURNOUT AND CANAL FACILITIES OUTLET SECTIONS - UPRR SIPHON		PWT: RDM Drawn By: ? AutoCAD File: JWB21001ST1 File Path: 21-001 Date: 07-28-23
SHEET NO. <b>41</b> OF <b>X</b>		











Technical Working Group  
GSP Development Scope and Budget

**Kern County Subbasin**

October 20, 2023

# General Format of the GSP(s)

- Focus is on developing a “well-explained Plan that will be implemented in a coordinated manner” as prescribed by DWR.
- GSP will employ a storytelling approach with the organizing principles/themes and 5 areas of the Subbasin to make it easier for reviewers to understand the Subbasin.
- Cost estimates developed based on Subcommittee work to support GSPs, drafting sections, and peer review.
  - For example, WQ Subcommittee: Stephanie to draft section, Maureen and Anona peer reviewers to provide feedback on the section. Subbasin effort.
  - TWG review is client effort.
- The GSP will address deficiencies and data gaps (where possible) since a 5-year update will **not** be required.



# GSP Approach

- Where possible, text will be synthesized from existing GSPs or a copy/paste from one plan.
  - Section 5. Description of the Plan Area will be synthesized and merged with the 5 areas of the Subbasin descriptions.
  - Section 8.8 Interconnected Surface Water Systems is anticipated to predominately be a copy/paste from the Olcese GSP.
- Some preliminary work will be done to support stylistic consistency between authors, addresses questions like:
  - Will acronyms be spelled out at the beginning of each chapter, or first use only?
  - Will Kern County Subbasin be KCS, Kern Subbasin, or the Subbasin?
  - Definitions for terms commonly used but not with a consistent meaning.
  - Develop common templates for figures, tables, maps, etc.

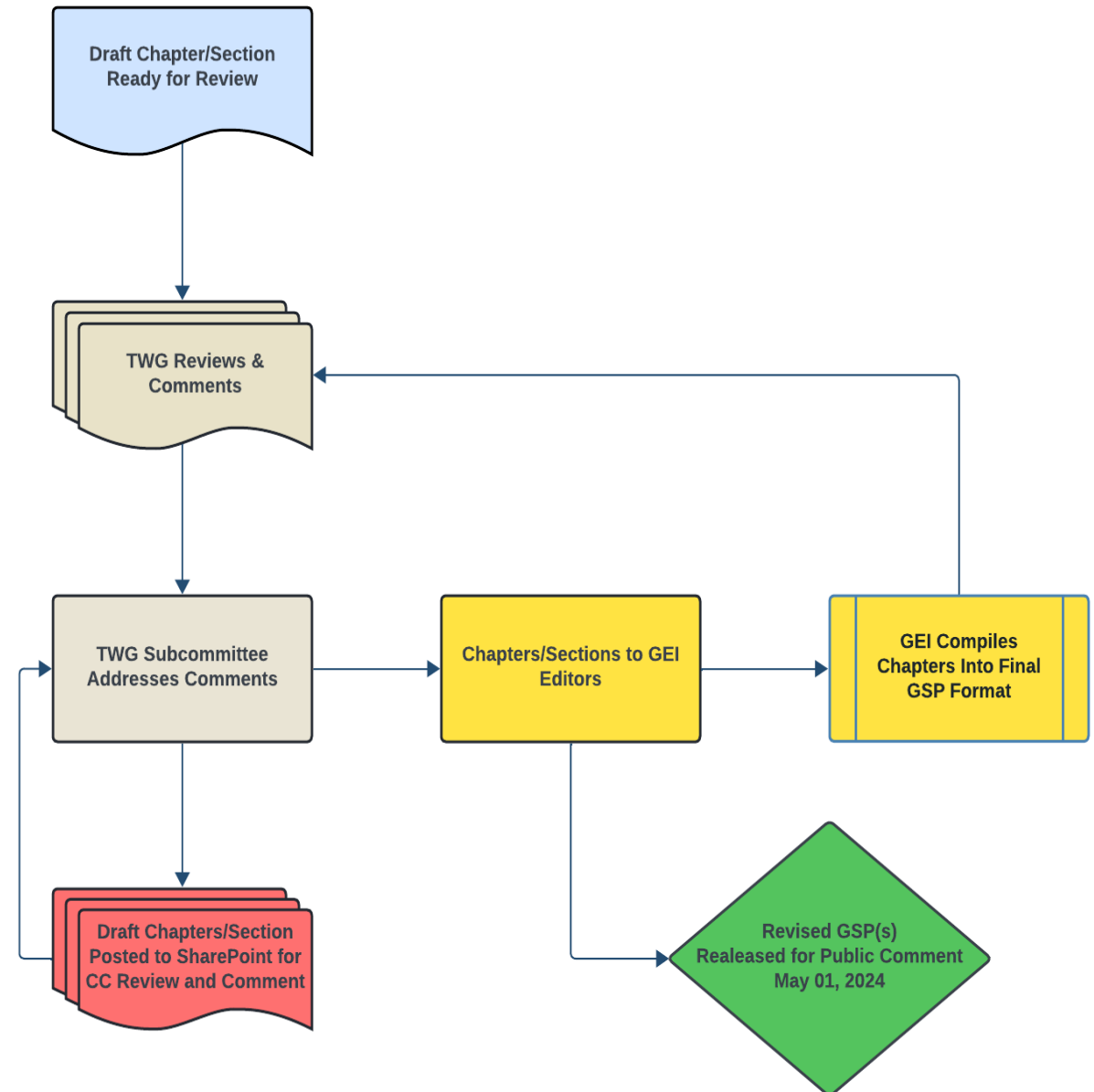
# Workflow

TWG will provide preliminary draft chapters to Managers for SMCs and UR's, Well Mitigation Program, P/MA's, and Monitoring Network

CC review period for the draft GSP begins 12/15/23 and ends 04/22/24

Reviews are mostly 7-day turnaround

3-weeks for Basin Setting, HCM, and GW Conditions (Jan 24 to Feb 16)





# Cost Estimates

## Assumptions

Mostly common Subbasin content

CC commits to schedule and edits are made in a single document

GEI budget includes administrative and marketing support

GEI and EKI will collaborate on marketing materials and supporting local publications and outreach events

Firm	Lead Author of Sections & Subcommittee(s)	Proposed Budget
	<b>Basin Setting, Water Budgets</b>	
Todd Groundwater	GWs and P/MA Subcommittees, Author GSP Plan Area, Basin Setting & HCM, GW Conditions, Water Budgets and Sustainable Yield	235,000
	<b>SMCs and URs</b>	
EKI	Lead on Groundwater Level SMCs and URs, Author GSP Executive Summary, Introduction, SMCs including URs, MTs, MOs, and Interim Milestones, and support with developing communications materials	280,000
	<b>Coordination, GSP Authorship, Well Mitigation</b>	
GEI Consultants	Pre-GSP Stylistic Support, Beneficial Uses and Users, Groundwater Quality, Groundwater Dependent Ecosystems, Water Budget Information, Management Areas, Plan Implementation, and Administrative Coordination & Marketing Supporting	315,348
	<b>Monitoring Network</b>	
Luhdorff & Scalmanini	Unified approach to Monitoring Network and identify/incorporate RMWs for each SMC	113,328
	<b>CA Aqueduct Subsidence</b>	
Aquilogic	Subsidence Lead for CA Aqueduct & SMCs, GWL SMCs subcommittee, GSP authorship and technical review	65,000
	<b>FKC Subsidence</b>	
Intera	Subsidence Lead for FKC & SMCs, GWL SMCs subcommittee, GSP authorship and technical review	85,400
Woodard & Curran	<b>Banking Programs</b>	55,600
<b>Consultants Estimated Total</b>		<b>\$1,149,676</b>

Activity	October 2023				November 2023					December 2023				January 2024				February 2024				March 2024				April 2024						
	1	2	3	4	2	3	4	5	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4				
<b>Decisions Needed</b>																																
# of GSPs																																
GSP format																																
<b>Manager Policy Development</b>																																
Exceedance Policy (P/MA team)	P	D																														
Well Mitigation Program																																
<b>GSP Preliminary and Draft GSP Chapters</b>																																
1-4: Purpose, Sustainability Goal, Agency Information, GSP Organization																																
5: Plan Area, Introduce Organizing Themes, Land Use Elements, Communications																																
6-8: Basin Setting, Hydrogeological Conceptual Model, Groundwater Conditions																																
9: Water Budget																																
10: Management Areas																																
11-15: SMCs	GWL																															
16: Monitoring Network																																
17: P/MAs	P																															
18: Plan Area																																
Executive Summary																																
Final Draft																																
<b>State Board Meetings</b>																																
GWL SMCs	★																															
Projects & Management Actions	● ▲				★																											
Subsidence SMCs					●				▲	★																						
Well Inventory & Well Mitigation Program													●				▲	★														
All SMCs together																					●	▲	★									

- Symbols**
- 🛑 Managers/CC final decision required to meet GSP schedule
  - Draft Presentation to TWG
  - ▲ Draft Presentation to CC
  - ★ Meeting/presentation to SWRCB
  - 🟩 Final draft approved by CC

- Acronyms for Preliminary Draft Chapters**
- P Presentation for initial feedback
  - D Draft TM or GSP Section
  - TWG TWG review complete with final comments to authors
  - M Manager's review complete with final comments to authors
  - CC CC review complete with final comments to authors
  - 🟩 Draft GSP public review May 1, 2024



# **KERN COUNTY SUBBASIN COORDINATION COMMITTEE MT UPDATES**

**16 OCTOBER 2023**

# AGENDA

- Brief recap from SWRCB meeting on 10/4/2023
- Review of the Regulations
- Further justification on the proposed UR definition: 25% of RMWs over a single year
  - Research from other COD-approved GSPs
  - Summary record of approach to development of MTs in consideration of URs to beneficial users
  - Analysis of drinking water well impacts



# SWRCB TECHNICAL MEETING 10/4/2023 RECAP

- Presented proposed URs definition & justification, MT methodology, and MO methodology
- Staff feedback was generally positive on methodology, noted much improved coordination, however, still need to increase focus on relationship between MTs and URs
- Staff had multiple questions on:
  - Well Mitigation Plan – what wells are included, how are dry wells reported and to whom, funding sources
  - URs definition of 25% of RMWs – 25% seemed “too large” of a percentage, need to have a sensitivity analysis to show how this would impact drinking water wells, at minimum if all RMWs exceed MTs
  - URs definition correlation with MTs methodology selection – Need to show past iterations on methods to demonstrate how we determined MT methodology meets URs definition & how we considered a “depletion of supply”

# COMPLIANCE WITH REGULATIONS – UNDESIRABLE RESULTS

*Per § 354.26: ... Undesirable results occur when significant and unreasonable effects for any of the sustainability indicators are caused by groundwater conditions occurring throughout the basin.*

*(B) The description of undesirable results shall include the following:*

*(1) The cause of groundwater conditions occurring throughout the basin that would lead to or has led to undesirable results based on information described in the basin setting, and other data or models as appropriate.*

*(2) The criteria used to define when and where the effects of the groundwater conditions cause undesirable results for each applicable sustainability indicator. The criteria shall be based on a quantitative description of the **combination of minimum threshold exceedances** that cause significant and unreasonable effects in the basin.*

*(3) **Potential effects on the beneficial uses and users** of groundwater, on land uses and property interests, and other potential effects that may occur or are occurring from undesirable results*



# COMPLIANCE WITH REGULATIONS – MINIMUM THRESHOLDS

*Per § 354.28: Each Agency in its Plan shall establish minimum thresholds that quantify groundwater conditions for each applicable sustainability indicator at each monitoring site or representative monitoring site*

*(C) (1): [...] The minimum thresholds for chronic lowering of groundwater levels shall be **the groundwater elevation indicating a depletion of supply at a given location that may lead to undesirable results**. Minimum thresholds for chronic lowering of groundwater levels shall be supported by the following:*

*(A) The **rate of groundwater elevation decline** based on historical trends, water year type, and projected water use in the basin.*

*(B) Potential effects on other sustainability indicators.*

# REGULATIONS – UNDESIRABLE RESULTS AND MINIMUM THRESHOLDS ARE INTERCONNECTED

Per § 354.26:

(C) The Agency may need to **evaluate multiple minimum thresholds to determine whether an undesirable result is occurring** in the basin. The determination that undesirable results are occurring may depend upon measurements from multiple monitoring sites, rather than a single monitoring site.



Per § 354.28:

(A) Each Agency in its Plan shall establish minimum thresholds that quantify groundwater conditions for each applicable sustainability indicator at each monitoring site or representative monitoring site [...] The numeric value used to define minimum thresholds shall **represent a point in the basin that, if exceeded, may cause undesirable results** as described in Section 354.26.



# CURRENTLY PROPOSED UR DEFINITION

- The point at which significant and unreasonable impacts over the planning and implementation horizon affect the reasonable and beneficial use of, and access to, groundwater by overlying users.
- This is defined if either of the following conditions are met:
  - More than 15 drinking water wells reported as dry in any given year.
  - The MTs for groundwater levels are exceeded in at least 25% of the representative monitoring sites over a single year (two consecutive seasonal measurements).

## 25% OF RMWs CAN REACH MTs WITHOUT CREATING URs

- Basin has 200 RMWs
- Assigned all drinking water wells to the closest RMW
- Based on distribution of wells and RMWs, 78 RMWs (39%) could reach MTs without dewatering more than 15 drinking water wells
- GSAs have determined that if 25% of RMWs reach MTs, it is not “significant and unreasonable” so long as no more than 15 drinking water wells (1%) are dewatered
- GSAs are committed to having a well mitigation plan in place to address drinking water well impacts



# UR DEFINITION AND IMPACTED WELLS IN OTHER APPROVED GSPs

Basin	UR Threshold	# RMWs	# Dewatered Wells (GSP)	# Impacted wells at MTs ( <a href="https://sgmareview.org/">https://sgmareview.org/</a> )	# Impacted wells * UR Threshold
<b>Kings</b>	15% of RMWs in a GSA exceeding MTs during a single monitoring event	By GSA; there are 123 RMWs in total.	Shown in figures for each GSA, but final counts not tabulated; see attached	Not protected: 1,475 wells  Not covered: 11,226 wells (more than 1.5 miles from a RMW)	Not protected: 221 wells  Not covered: 1,683 wells
<b>ESJ</b>	25% of RMWs exceeding MTs for two consecutive years	5 out of 20 RMWs	Assumes 10% or less domestic wells will be dewatered at MTs because MTs were capped at the 10 <sup>th</sup> percentile domestic well depth within three-mile radius around each RMW	Not protected: 297 wells  Not covered: 8,184 wells (more than 1.5 miles from a RMW)	Not protected: 74 wells  Not covered: 2,046 wells
<b>Merced</b>	25% of RMWs exceeding MTs for two consecutive years	6 out of 21 RMWs	Does not explicitly calculate; finds that for domestic wells within a five-mile radius of each RMW, MTs at 3 out of 21 RMWs are lower than the shallowest domestic well depth. Argues that these domestic wells are likely to have been dewatered prior to 2015, and would not be dewatered again, as the MT is set as the Fall 2015 water level	Not protected: 1,218 wells  Not covered: 2,889 wells (more than 1.5 miles from a RMW)	Not protected: 305 wells  Not covered: 722 wells

# SUMMARY RECORD OF DECISION

- *Per § 354.26: (C) The Agency may need to evaluate multiple minimum thresholds to determine whether an undesirable result is occurring in the basin*
- At least 8 potential MT methods conceptualized
- Based on technical analysis including well impacts, gradients, margin of operational flexibility, etc. narrowed down to 3 potential MT methods
- Refined MT methods to address GSA concerns, regionalize, and avoid URs
- Tested refined/hybrid methods against well impacts / UR definition to select MT method
- Defined UR as 15 dewatered drinking water wells/year = cumulative max of 255 wells by 2040 assuming 15 wells would go dry each year which is unlikely

## Anticipated Well Impacts

Use	Total Well Count	Existing GSPs	Proposed Simplification using RDL	Proposed Simplification using 2015	SWSD Hybrid
Domestic	1,125	383	323	250	398
Public	131	7	4	3	9
Other	27	7	5	5	8
Unknown	170	18	14	11	14
Ag	1,747	163	68	52	106
Industrial	82	4	1	1	2
<b>TOTAL</b>	<b>3,282</b>	<b>582</b>	<b>415</b>	<b>322</b>	<b>537</b>

***DRAFT – under refinement***



# ANALYSIS OF DRINKING WATER WELL IMPACTS

1. Potential “**worst-case**” scenario: All RMWs exceed the MTs
2. **Bracketed** the potential impacts: Assume the 50 RMWs with the most and least nearby drinking water wells exceed the MTs
3. **Stochastic prediction** of potential well impacts: Ran 10,000 realizations of potential RMW combinations exceeding MTs
4. **Most likely** condition: Used Basin Groundwater Model to estimate well impacts under 2030 climate change conditions (shows which RMWs are most likely to exceed MTs and the associated well impacts)

# WORST CASE: POTENTIAL WELL IMPACTS IF ALL RMWs EXCEED MTs

Use	Existing 2022 GSPs	MTs w/ Adjustments	MTs w/o Adjustments
Domestic	377	264	277
Public Supply	6	2	3
Small Community	0	0	0
Municipal	3	2	2
Ag	226	88	94
Industrial	9	4	4
<b>Subtotal "Drinking water wells"</b>	<b>386</b>	<b>268</b>	<b>282</b>
<b>TOTAL (ALL WELLS)</b>	<b>621</b>	<b>360</b>	<b>380</b>

Note: For RMWs in a high-risk area, the MT may be adjusted upward

**DRAFT – under refinement**



# HIGH END BRACKETED IMPACTS: MAXIMUM WELL IMPACTS IF 25% RMWs EXCEED MTs

- Basin has 200 RMWs
- Assigned all drinking water wells to the closest RMW
- Spatially interpolated MT values across the basin
- Identified the 50 RMWs (25%) that have the highest density of drinking water wells near them
- If we assume all 50 of those RMWs exceed their MTs, 208-221 drinking water wells could be dewatered

*DRAFT – under refinement*

# LOW END BRACKETED IMPACTS: MINIMUM WELL IMPACTS IF 25% RMWs EXCEED MTs

- Basin has 200 RMWs
- Assigned all drinking water wells to the closest RMW
- Spatially interpolated MT values across the basin
- Identified the 50 RMWs (25%) that have the lowest density of drinking water wells near them
- If we assume all 50 of those RMWs exceed their MTs, only **one** drinking water well could be dewatered

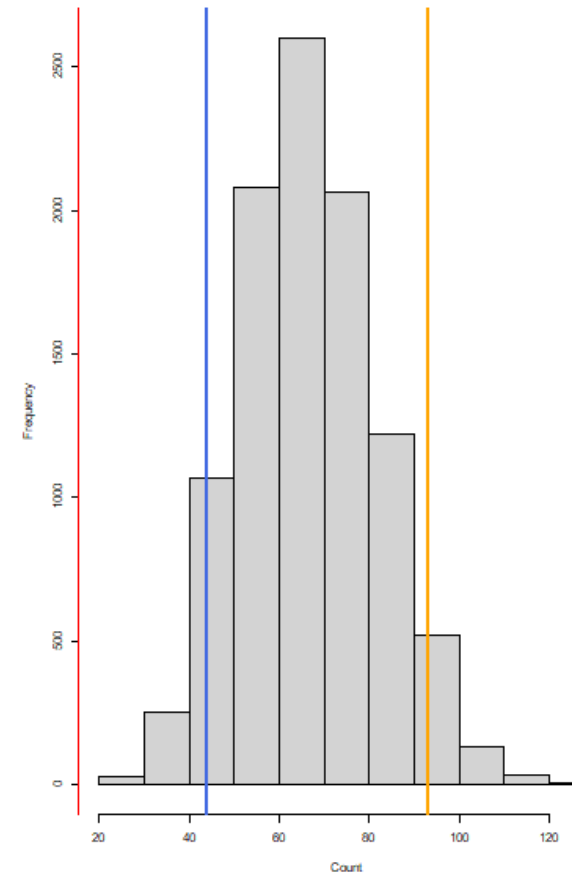
*DRAFT – under refinement*



# STOCHASTIC PREDICTION: AVERAGE WELL IMPACTS IF 25% RMWs EXCEED MTs

- Assumes all RMWs have equal likelihood of exceeding MTs
- Potentially infinite combinations of MTs could go dry with varied impacts
- Conducted stochastic predictive modeling to assess potential well impacts
- 10,000 random samplings of 50 RMWs (25%) exceedance combinations
- Theoretically, average of 67-70 drinking water wells could be dewatered

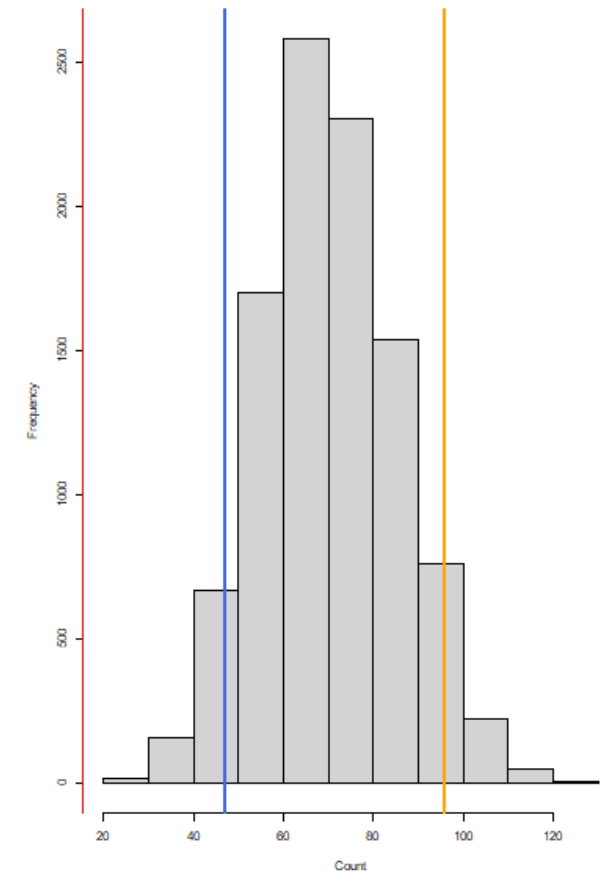
Distribution of Dewatered Wells, 50RMWs



w/ MT

Adjustments

Distribution of Dewatered Wells, 50RMWs



w/o MT

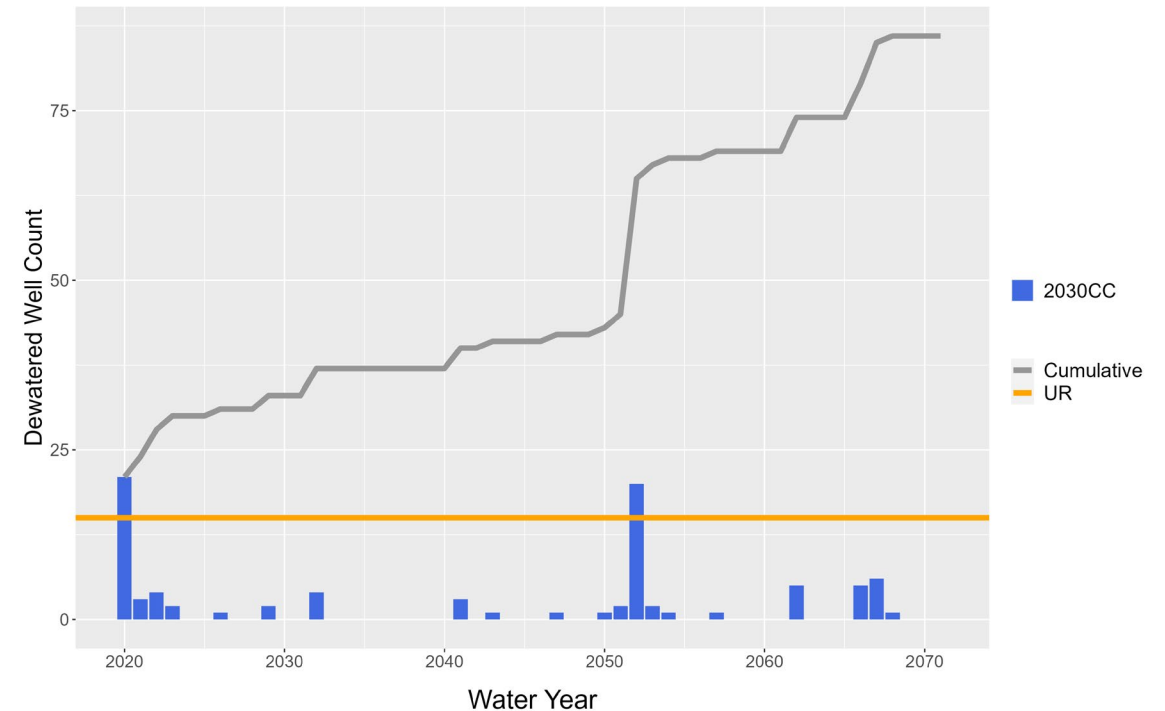
Adjustments

**DRAFT – under refinement**

# MOST LIKELY: ANTICIPATED WELL IMPACTS BASED ON PROJECTIONS

- Using the 2030 climate change projection w/o P/MAs, identified first month in which RMWs would exceed their MT
- Estimated dewatered drinking water wells counts and summed
- No more than 26-28 drinking water wells per year, or a cumulative total of 31-37 would potentially be impacted by 2040
- Actual count likely fewer with implementation of P/MAs

Potentially Dry Drinking Water Wells, MT without Adjustments



*DRAFT – under refinement*



# UR DEFINITION OF 25% RMWs EXCEED MTs IS NOT “SIGNIFICANT AND UNREASONABLE”

- GSAs have determined it is not unreasonable to potentially mitigate 15 drinking water wells per year for the next 17 years = 255 wells
- GSAs have determined that if 25% of RMWs reach MTs, it is not “significant and unreasonable” based on range of potential and anticipated drinking water well impacts



# Technical Working Group Project and Management Action Approach

## **Kern County Subbasin**



October 9, 2023

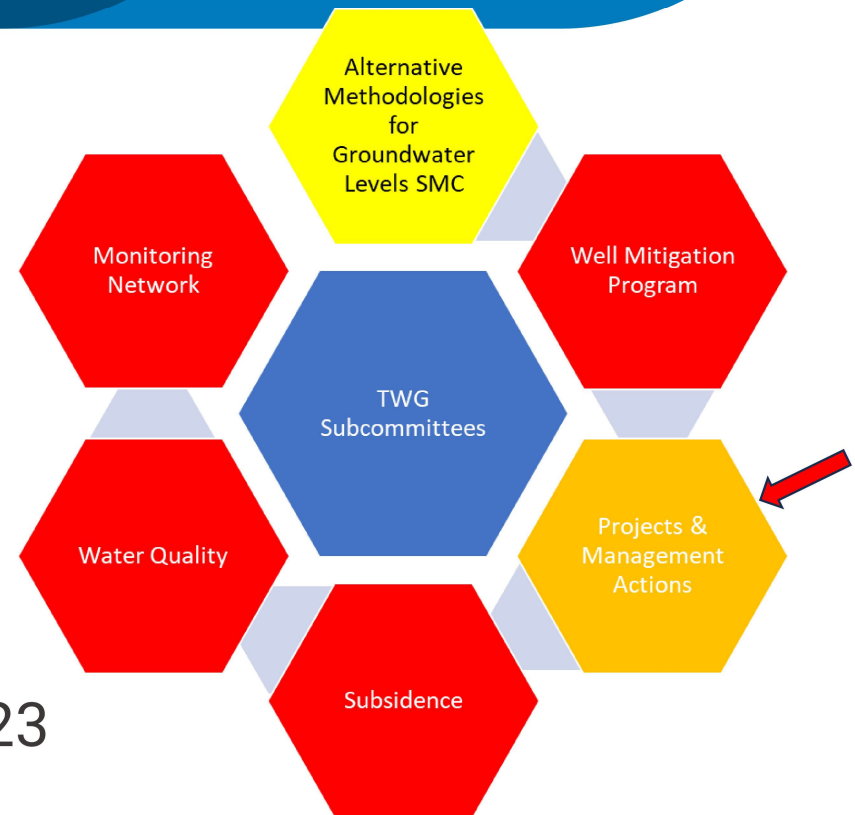


# PMA TWG Subcommittee Members

- Dan Bartel – RRBWSD GSA
- Mike Maley - Todd
- David Miller - GEI
- Larry Rodriguez – GEI

Presentation to TWG 10/3/2023

Comments received through 10/5/2023



# PMA Presentation Outline

- Update on Water Budgets §354.18
- PMA Goals and Objectives §354.44(a)
- Recommended Approach to Coordinated PMA's:
  - Descriptions §354.44(a)(1) & §354.18
  - Circumstance for Implementation §354.44(1)(A)
  - Source & Reliability of Water §354.44(a)(6)
  - Uncertainties and Data Gaps §354.44(c) & (d)



# Model Used to Assess Viability of Implementation Plan §354.18

- Coordinated with GSA/MAs
  - Provided historic water budget data
  - Results presented to all GSA/MAs during series of meetings
  - GSA/MAs reviewed results for their areas
- Historical Water Budget
  - WY1995-2014 Base Period
  - 20-year Kern River Index average of 100%
- Projected Future Scenarios
  - Setup following DWR guidance and BMPs
  - Future storage decline is higher than historical due to projected decrease in SWP and FKC deliveries
  - Assessed viability of GSP Implementation Plan of PMAs via model

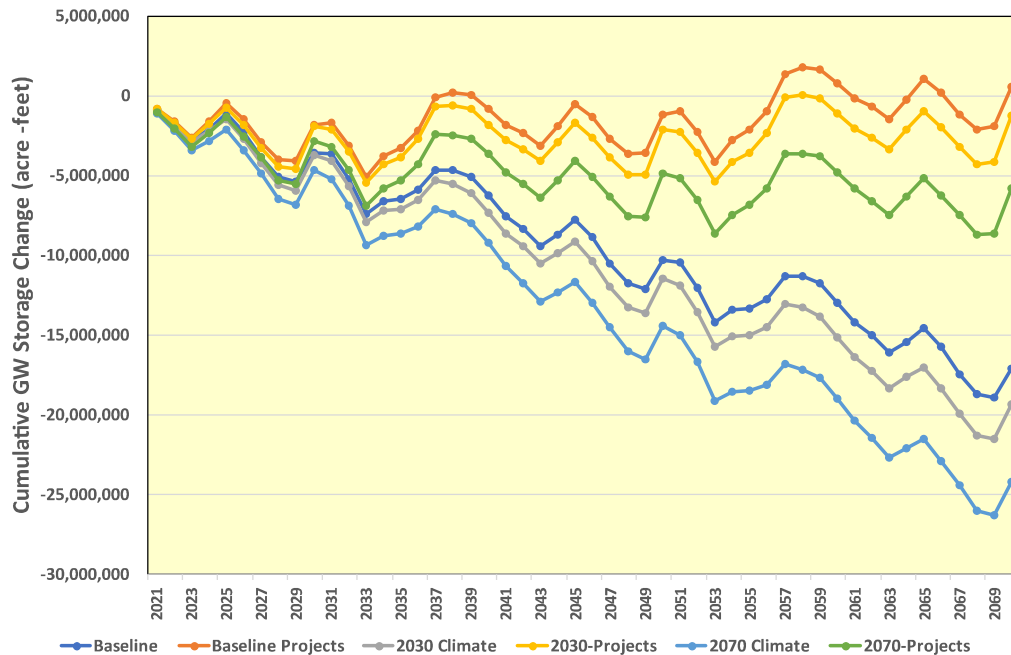
## 1/1/2020 Kern Subbasin Coordination Agreement

7.1 In accordance with 23 CCR, § 357.4 subd. (b) the Parties shall prepare a coordinated water budget for the Basin as described in this sub-section, as required by 23 CCR, § 354.18. The water budget will provide an accounting and assessment of the total annual volume of groundwater and surface water entering and leaving the Basin, including historical, current, and projected water budget conditions, and the change in the volume of water stored. Information regarding the agreed upon coordinated water budget shall be attached as Appendix 4 to this Agreement when approved by all Parties.

C2VSimFG-Kern Model Scenario	Change in Groundwater Storage (AFY)	
	C2VSimFG-Kern Model Results	Adjusted Model Results
Historic	-277,114	-277,114
Baseline	-324,326	-324,326
Baseline with Projects	42,144	85,578
2030 Climate Change	-380,900	-372,120
2030 Climate with Projects	-12,861	46,829
2070 Climate Change	-489,828	-472,336
2070 Climate with Projects	-118,273	-45,969

# Results show PMAs are sufficient, if fully implemented, for groundwater sustainability

Projected-Future Change in Groundwater in Storage  
in Kern County Subbasin



- Simulation of PMAs
  - Evaluated with and without PMAs
  - PMA data provided by each GSA/MA
- Future scenarios without PMAs
  - Results in ongoing declines in groundwater in storage
- Future scenario with PMAs
  - Results in long-term stable groundwater in storage



# Model Used to Assess Viability of Implementation Plan §354.18

## BASELINE CONDITIONS

ENTITY	TOTAL DEMAND	TOTAL WATER SUPPLY	NET WATER BUDGET
Kern Groundwater Authority	1,939,409	1,683,128	-256,281
Henry Miller GSA	40,884	35,791	-5,093
Olcese Water District GSA	2,650	3,202	552
Kern River GSA	305,310	276,157	-29,153
Kern River GSA - App. K Properties	1,308		-1,308
Buena Vista GSA	103,950	126,936	22,986
Non-districted lands*	18,013		-18,013
<b>Totals</b>	<b>2,411,524</b>	<b>2,125,214</b>	<b>-286,310</b>

Todd Groundwater Modeling Result for Baseline Condition:

-324,326

Todd Groundwater Modeling Result for Historical Change in Groundwater in Storage:

-277,114

\*Most of the irrigated non-districted lands are now being managed/covered under SGMA by the GSAs

# Model Used to Assess Viability of Implementation Plan §354.18

TABLE: Summary of Proposed Projects and Management Actions used for Projected-Future Model Scenarios in support of 2020 GSPs														
		Coordination Agreement				2041-2070 Sustainability Period					CA Target		2030 Target	
		Net Water Budget (AFY)			Prorated 2030 Climate Change	Demand Reduction (AFY)	New Water Supply (AFY)	Other Water Supply (AFY)	TOTAL Projects/Actions		Difference of Net Water Budget Compared to Total PMAs		Difference of Net Water Budget Compared to Total PMAs	
Areas	Areas	Total Demand	Total Water Supply	Net Water Budget		Average	Average	Average	Total	Average	Difference (AFY)	Percent Difference	Difference (AFY)	Percent Difference
	Current KGA	778,847	613,115	-165,732	-215,404	131,496	933	12,414	4,345,292	144,843	-20,889	-13%	-70,561	-33%
	KGA - nonDistricted	4,200		-4,200	-5,459	0	0	0	0	0	-4,200	no PMAs	-5,459	no PMAs
	Kern River GSA	305,310	276,157	-29,153	-37,890	28,516	0	2,027	916,278	30,543	1,390	5%	-7,348	-19%
	KRGSA App. K Properties	1,308	0	-1,308	-1,700	0	0	0	0	0	-1,308	no PMAs	-1,700	no PMAs
	Henry Miller GSA	40,884	35,791	-5,093	-6,619	0	0	529	15,870	529	-4,564	-90%	-6,090	-92%
	North Central Kern	591,464	537,966	-53,498	-69,532	40,388	49,333	40,523	3,907,319	130,244	76,746	143%	60,712	87%
	Rosedale Rio Bravo	118,860	98,744	-20,116	-26,145	18,700	19,867	0	1,157,000	38,567	18,451	92%	12,422	48%
	Olcese GSA	2,650	3,202	552	717	0	0	0	0	0	552	+ balance	717	+ balance
	Buena Vista GSA	103,950	126,936	22,986	29,875	3,422	0	0	102,660	3,422	26,408	+ balance	33,297	+ balance
	South of Kern River GSA	464,051	433,303	-30,748	-39,964	24,399	44,518	4,765	2,210,452	73,682	42,934	140%	33,718	84%
	<b>TOTAL</b>	<b>2,411,524</b>	<b>2,125,214</b>	<b>-286,310</b>	<b>-372,120</b>	<b>246,921</b>	<b>114,651</b>	<b>60,257</b>	<b>12,654,872</b>	<b>421,829</b>	<b>135,519</b>	<b>47%</b>	<b>49,709</b>	<b>13%</b>
	Percentage of Total					59%	27%	14%						
	NOTES:													

**CC Question? Is the -286,310 AF/YR our target in planning our PMA's? Or Baseline or 2030 or 2070?**



# Goals and Objectives of PMA's §354.44

*§ 354.44(a) Each Plan shall include a description of the projects and management actions the Agency has determined will achieve the sustainability goal for the basin....*

- As a reminder:
  - Sustainable Management Criteria are used to help set the Sustainability Goal
  - Monitoring Network to check if the Sustainability Goal is being met
  - **Projects and Management Actions (PMA's) are the "HOW" GSA's plan to achieve the Sustainability Goal**
  - Modeling is a validation tool to predict the likelihood of achieving the Sustainability Goal

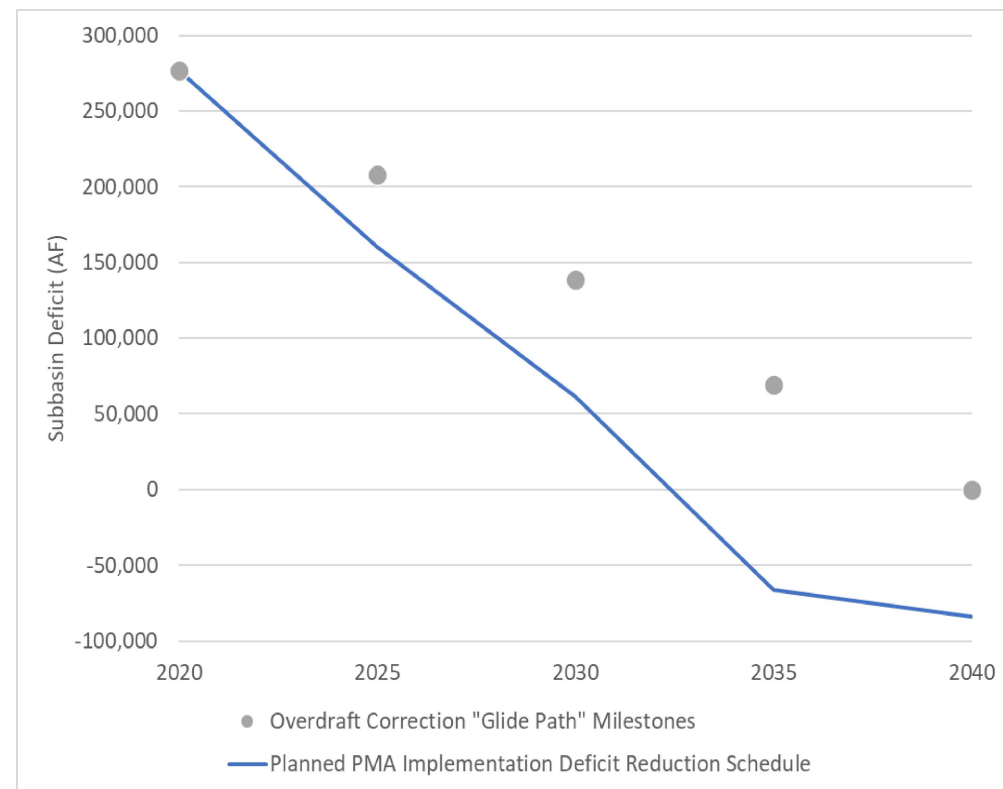
# Goals and Objectives of PMA's §354.42

## Where does the concept of Glide Path come from?

§ 354.44. (b) (2) ***If overdraft conditions are identified*** through the analysis required by Section 354.18, the Plan shall describe projects or management actions, including a quantification of demand reduction or other methods, for the mitigation of overdraft.

## Subbasin and each GSP Area with a deficiency will:

- Establish a Common Overdraft Correction Glide Path Goal to Sustainability with 5-year Milestones
- Create a PMA Implementation Schedule including estimate of Resultant Implementation Benefits meeting that goal
- Do a GW Model Independent Check to verify



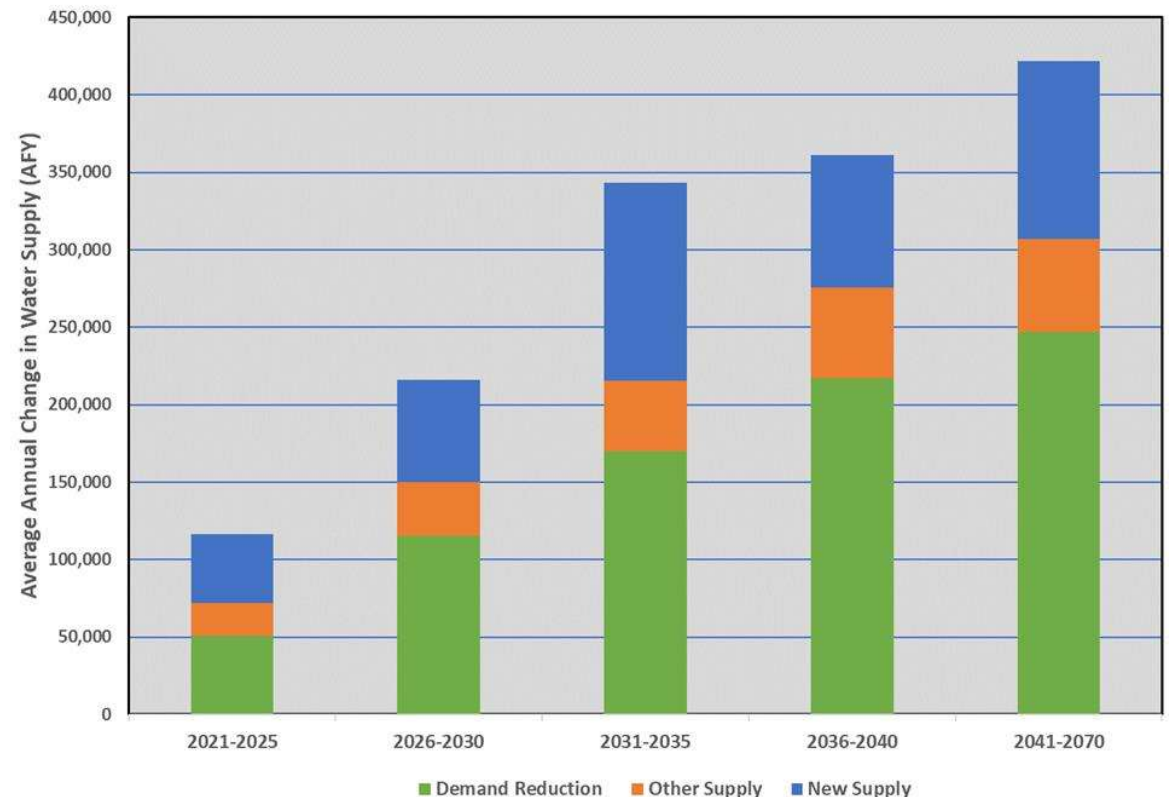


# Demand Reduction is a Key Part of GSP Implementation Plans §354.42

**Kern PMA's give us a good story to work from**

- Existing 2022 Amended PMA's are Demand Reduction Dominated >55%?
- 2024 Amended Plan will require updated PMA's to be Demand Reduction "Forward" >65%?
- "Other and New Supplies" will be clearly substantiated

Change in Water Supply for Evaluation Periods



# Goals and Objectives of PMA's §354.42

## PMA Implementation Schedule vs. Milestones (Subbasin & GSP Area)

Project and Management Action Implementation Schedule (AFY)

Kern County Subbasin Projected-Future Scenerio Overdraft Correction "Glide Path" 354.44 (b)(2)	2020	2025	2030	2035	2040
Projected Deficit		286,310			
Target Deficit Reduction (%)	0	25%	50%	75%	100%
<b>Overdraft Correction "Glide Path" Milestones</b>	<b>286,310</b>	<b>214,733</b>	<b>143,155</b>	<b>71,578</b>	<b>0</b>

Project and Management Action, by Type (AFY)

Project and Management Action, by Type (AFY)							Description
Planned Demand Reduction	Land Retirement	0	6,852	16,850	21,722	23,562	Permanent change from Irrigated to non-irrigated
	Demand Reduction	0	26,906	65,702	101,536	136,535	Program to reduce applied water
	Ag to Urban Conversion	0	13,157	23,468	33,758	40,401	Conversion of land from irrigated land to urban
	Water Conservation-Efficiency	0	3,752	9,044	12,762	16,454	Incentives to improve water use practices
<b>Subtotal</b>		<b>0</b>	<b>50,667</b>	<b>115,064</b>	<b>169,778</b>	<b>216,952</b>	<b>Demand Reduction meets 66% of Target Volume</b>
Planned Water Supply Augmentation	Supplemental Water Recharge	0	39,517	47,753	94,530	58,798	Increased recharge projects during wet years
	Supplemental Water Use	0	4,919	12,131	24,443	23,346	Purchase imported water for current year
	Third-Party Banking	0	3,336	5,100	6,864	6,938	Local benefit derived from 3rd Party Banking
	New Local Supply	0	13,119	29,395	39,679	39,112	Use of recycled water supplies
	Exercise of Rights	0	4,995	6,505	7,994	16,027	Improved utilization of existing water supplies/rights (banked or surface)
<b>Subtotal</b>		<b>0</b>	<b>65,886</b>	<b>100,884</b>	<b>173,510</b>	<b>144,221</b>	<b>Water Supply Augmentation = 47% of Target Volume</b>
<b>PMA Implementation Schedule*</b>		<b>0</b>	<b>116,553</b>	<b>215,948</b>	<b>343,288</b>	<b>361,173</b>	

<i>Total As-Needed PMA Deficit Benefits</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
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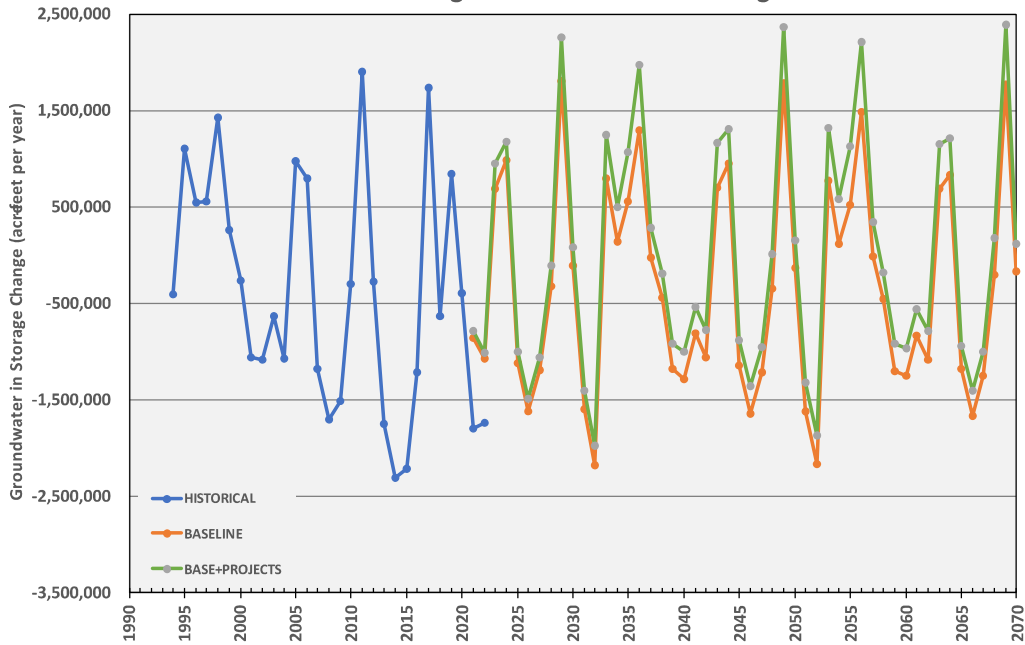
<b>Planned PMA Implementation Deficit Reduction Schedule*</b>	<b>286,310</b>	<b>169,757</b>	<b>70,362</b>	<b>-56,978</b>	<b>-74,863</b>
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\* Implementation Date includes estimated time to start accruing benefits

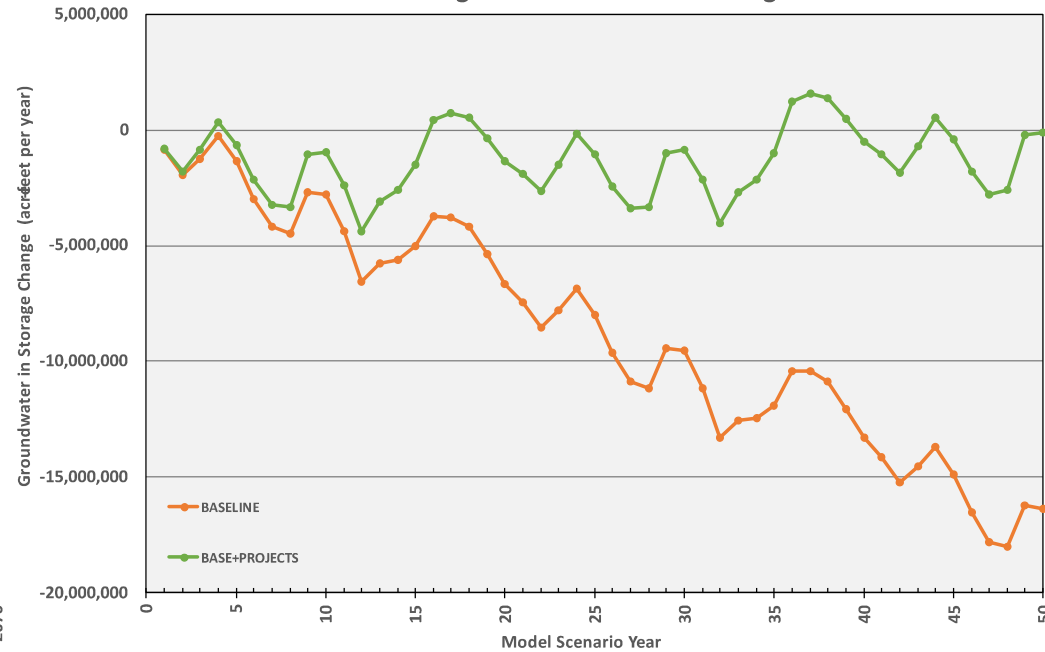


# Plan's Incremental Changes over Time Result in Long-Term Storage Balance

Historical, Baseline and Baseline+Projects Model Scenario Results  
Annual Change in Groundwater in Storage



Baseline and Baseline+Projects Model Scenario Results  
Cumulative Change in Groundwater in Storage



# Coordinated Presentation of PMA's

- Eliminating long lists of lots of projects.
- Replacing with Coordinated Tables by GSP Area

P/MA Number	P/MA Name	Summary Description	Relevant Sustainability Indicators Affected			Circ Imp
			Groundwater Levels & Storage	Groundwater Quality	Land Subsidence	
<b>Projects</b>		<b>Implemented</b>	<b>Functional</b>	<b>In-Process</b>	<b>As-Needed</b>	
RRB-1	West Basin Recharge Improvements	Improvement of approximately 100 acres of existing recharge ponds. Acquisition and retirement of 50 acres of irrigated ag lands and development of 50 acres of new recharge ponds.	✓	✓	✓	
RRB-2	Superior Basin Recharge Improvements	Improvement of approximately 100 acres of existing recharge ponds.	✓	✓	✓	
RRB-3	Stockdale East Groundwater Storage and Recovery Project	Acquisition and retirement of 200 acres of irrigated ag lands and development of 200 acres of new recharge ponds.	✓	✓	✓	
RRB-4	Grimmway Groundwater Recharge Ponds	Public/Private Partnership Development of 400 acres of recharge ponds.	✓	✓	✓	



# *Coordinated Projects (Source & Reliability of Water)*

## *§354.44(b)(6)*

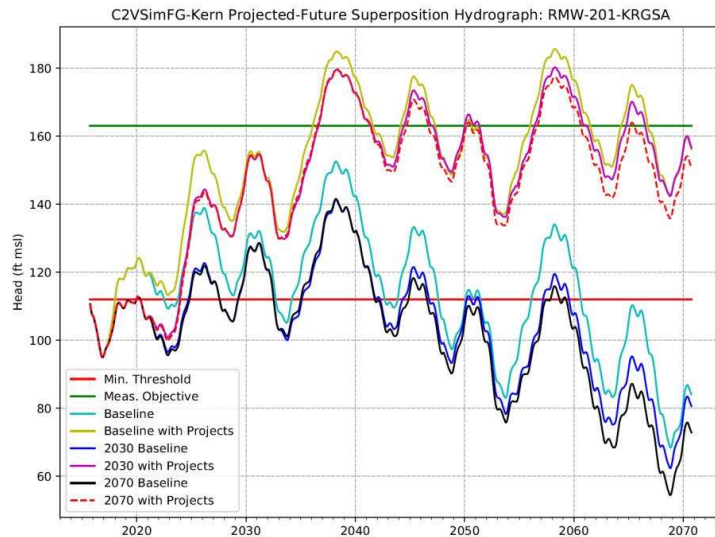
### **Each GSP Area will show its work**

- Separate out Demand Reduction portion from Projects
- Sources of Supply for Projects will be clearly described
- Reasonable estimates of benefits will be clearly articulated and when they would start accruing

# Coordinated Projects (Source & Reliability of Water) §354.44(b)(6)

## Each GSP Area will show its work

Model will be an independent check on estimates of benefits for planning purposes



Annual Reports will include derived benefits vs. Overdraft Correction Glide Path

Project and Management Action Implementation Report (AF)						AFY	
RRB GSA Projected-Future Scenario		2020	2021	2022	2023	2024	2025
Target Deficit Reduction (%)							25%
Target Deficit Reduction							5,029
Project and Management Action, Benefits by Type (AF)						AFY	
Planned Demand Reduction	Land Retirement	708	708	708	1,208	1,208	908
	Ag to Urban Conversion						0
	GW Demand Reduction					4,000	800
	Water Conservation-Efficiency						0
Subtotal		708	708	708	1,208	5,208	1,708
Planned Water Supply Augmentation	Supplemental Water Purchase			1,100	5,000	6,000	2,420
	Supplemental Recharge						0
	Third-Party Banking				10,000		2,000
	Infrastructure Improvement						0
	New Local Supply						0
	Groundwater Recharge				10,000		2,000
Subtotal		0	0	1,100	25,000	6,000	6,420
<b>Total PMA Benefits</b>		<b>708</b>	<b>708</b>	<b>1,808</b>	<b>26,208</b>	<b>11,208</b>	<b>8,128</b>



# *Coordinated Management Actions?*

## **Demand Reduction of Unmanaged Lands is Inconsistent**

- Amended Plans currently use "allowable imbalance" (excluding precipitation and native yield) method that is uncoordinated.
- Average Demand Reduction strategies for 2025 milestone vary as to average allowable imbalance as follows:
  - Unlimited
  - 3.2 AF/acre
  - 1.8 AF/acre
  - Unclear

**CC Question?** Should this be coordinated subbasin wide? What is the definition of "Unmanaged"?

# Circumstance for Implementation §354.44(b)(1)(A)

**PMA Implementation is guided by Glide Path Milestones and clearly categorized as:**

**Implemented** - In anticipation of SGMA several PMAs had been initiated pre-2024 and have been completed and accruing benefits.

**Functional** - In anticipation of SGMA several PMAs had been initiated pre-2024 and are functional but not yet accruing benefits.

**In-Process** - Other PMAs are In-Process somewhere between Feasibility and Construction/Implementation. All of the In-Process PMAs will be implemented except for circumstances such as litigation, failed funding, failed ballot initiatives, or environmental constraints.

**As-Needed** – As part of the Adaptive Management efforts several PMAs have been identified in response to Minimum Threshold Exceedances, Failed or diminished PMA's, new Opportunities, or other unforeseen issues. At each 5-year planning window, these and other PMAs will be formally evaluated for implementation.



## Addressing Uncertainty and Data Gaps PMA's §354.44(c) & (d)

### 1. Exceedance Policy – **Should CC Managers to Complete?**

- Included in Coordination Agreement
- Upon even 1 Exceedance – Identify, Investigate & Report
- Continued Exceedance – Causing impacts development of an Action Plan(s)

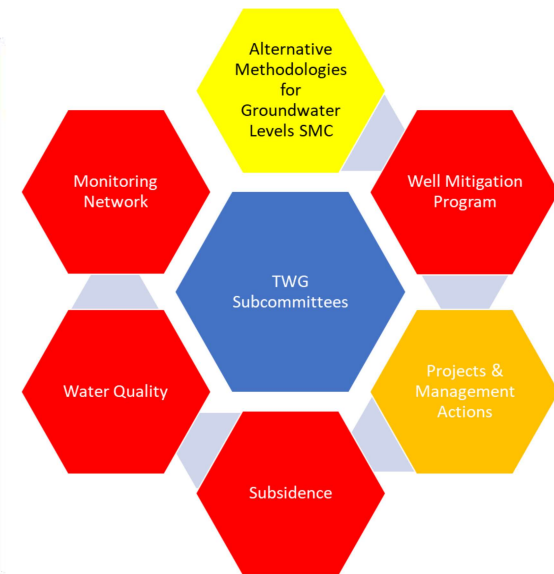
### 2. Domestic Well Mitigation – **Currently working to provide a substantially described DRAFT Plan to be prepared for CC Managers to complete**

### 3. Data Gap Studies

- Basin Study – Address HCM and water budget data gaps for model revision
- Subsidence - Assess subsidence and management approach along critical infrastructure

# Next Steps

TOPIC	DRAFT TO CC	CC REVIEW COMPLETE	SWRCB Presentation
Projects and Management Actions Presentation	10/9	10/12	
Subbasin MT Updates	10/16	10/19	
Subsidence Presentation	10/23	10/26	
Draft PMA/Subsidence SWRCB Presentation	10/30	11/9	
Draft Exceedance Policy	11/6	11/27	
Draft Well Mitigation Program	11/6	11/27	
PMA/Subsidence SWRCB Presentation			<b>TBD – Early Dec</b>
Chapters 1 - 4: Purpose, Sustainability Goal, Agency Information, GSP Organization	12/04/23	12/14/23	
Chapter 5: Plan Area, Introduce Organizing Themes, Land Use Elements, Communications	12/14/23	12/21/23	





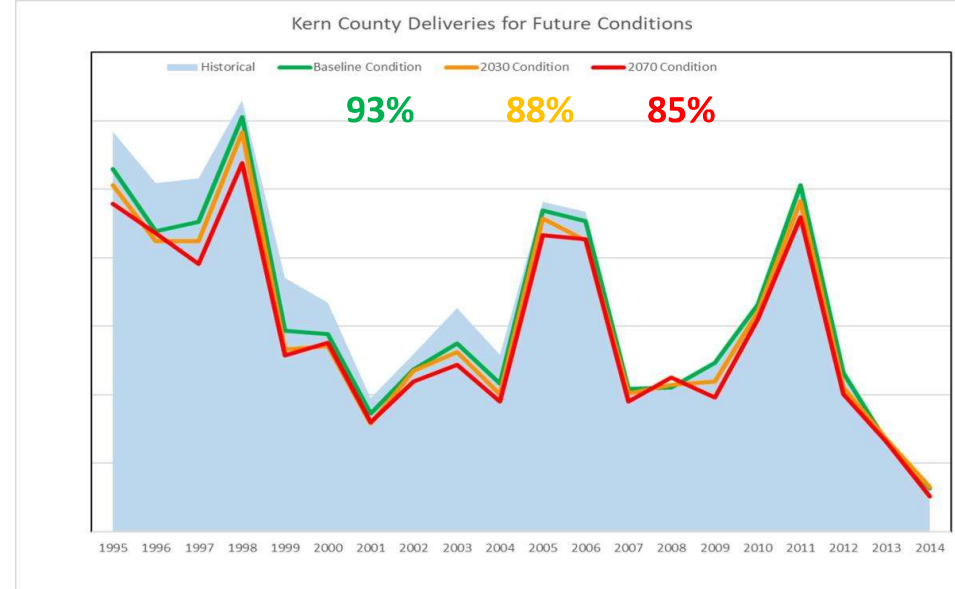
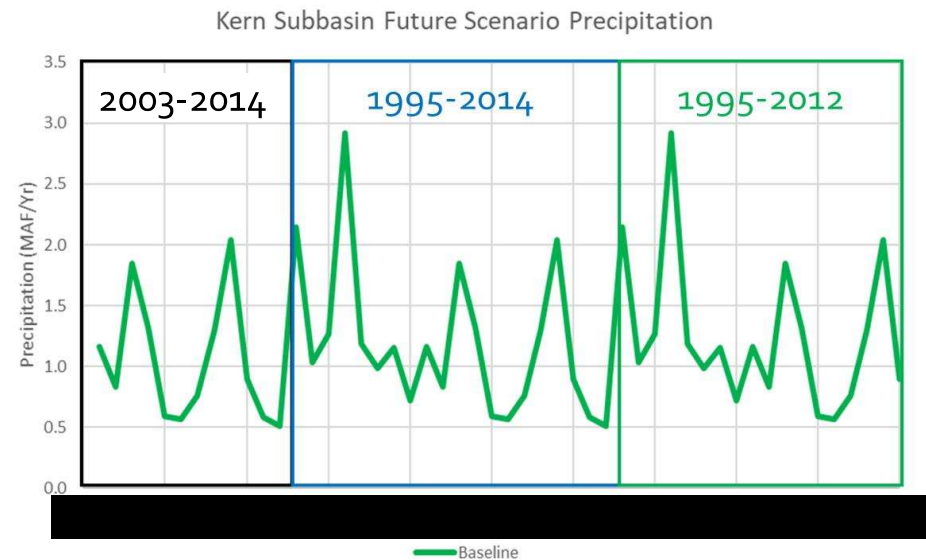
Thank You

# Backup Slides



# Projected Future Scenario Based on Sound Assumptions

- **50-year hydrology**
  - Uses WY1995-2014 Historical Base Period
  - Period has wet, normal, dry and critically-dry years
- **Future Surface Water Supply**
  - 50-year hydrology has wet, normal, dry and critically-dry
  - SWP supply adjusted following DWR guidance
  - FKC supply adjusted following USBR guidance
  - Kern River supply follows Watermaster guidance
- **Future Water Use**
  - Project recent irrigated area and crop types for future
  - Drinking water use includes projected population increase
- **Climate Change Scenarios**
  - All water supplies further adjusted following DWR climate change guidance



# Demand Reduction Reported in WY2021 & WY2022 Annual Reports

- **Henry Miller WD**
  - Fallowed over 50% of irrigated acreage during drought
- **Shafter-Wasco Irrigation District**
  - Reduced irrigation demand by 1,566 AF through Voluntary Rotational Land Fallowing Program
- **Southern San Joaquin MUD**
  - Retired irrigated lands at 78-acre Giumarra recharge Basin
- **Rosedale-Rio Bravo WSD**
  - Implemented two long-term demand reduction programs (in-district and white lands)
  - Retired irrigated lands at 450 acres for new recharge facilities
- **Semitropic WSD**
  - Implemented long-term demand reductions program to limit landowner water use
  - Retired irrigated lands at Leonard Ave Recharge Project
- **Buena Vista WSD**
  - Drought program paid growers \$1,768,500 to fallow 3,537 acres (~10% of BVGSA irrigated acreage).
  - Purchased 880 acres of farmland to reduce demand by approximately 2,800 AF/year.
  - Retired 176 acres of irrigated lands for new recharge facility
- **Arvin-Edison WSD**
  - Retired irrigated lands at Sunset recharge facility
  - Expanded acres for On-Farm Recharge
- **Wheeler Ridge-Maricopa WSD**
  - Retired irrigated lands at new solar generation facility
- **Kern River GSA**
  - Converted 11.23 acres of irrigated land to suburban residential
  - Retired irrigated lands at 250 acres of new recharge facilities

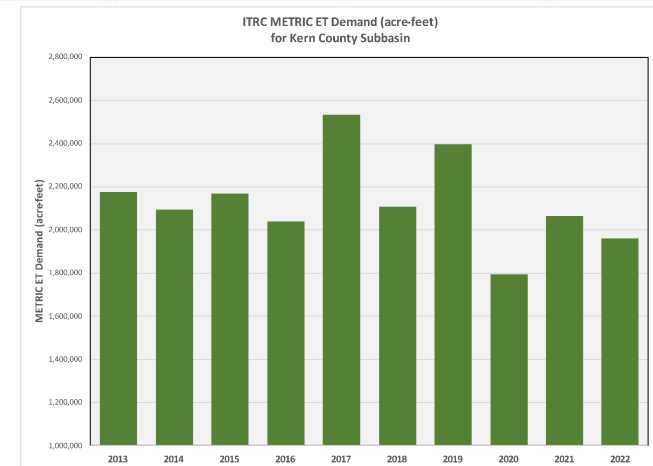


# Annual Report Noted Recent Demand Reduction from ITRC METRIC ET data

- WY2020-2022 and WY2014-2016 are comparable severe drought periods
  - One dry and two critically dry hydrologic water years in San Joaquin Valley Index
  - Kern River Index of 35% and 31%, respectively
- Currently evaluating how to better use ET data as method to validate demand reduction
  - Identify SGMA projects from Landowner decisions
  - Short-term vs. Long-term demand reduction
- Initial results suggest that Kern County Subbasin potentially ahead of schedule for Demand Reduction

Table 9. Water Use Comparison of GSA Management and Comparable Recent Period

Water Use Type	GSA Mgmt. Period WY2020-2022	Comparable Period WY2014-2016	Volumetric Difference	Percent Change
Units	AFY	AFY	AFY	percent
Urban	199,000	217,000	-18,000	-8%
Agricultural	2,211,000	2,530,000	-319,000	-13%
Managed Wetland	16,000	12,000	4,000	31%
Managed Recharge	220,000	124,000	96,000	77%
Bank Recovery and Other Uses	481,000	510,000	-29,000	-6%
<b>Total Water Use</b>	<b>3,127,000</b>	<b>3,394,000</b>	<b>-267,000</b>	<b>-8%</b>





November 6, 2023

**VIA ELECTRONIC MAIL ONLY**

Kern County Water Agency  
Attn: Lauren Bauer, Water Resources Manager  
3200 Rio Mirada Drive  
Bakersfield, CA 93308  
Email: [lbauer@kcwa.com](mailto:lbauer@kcwa.com)

Wheeler Ridge-Maricopa Water Storage District  
Attn: Sheridan Nicholas, Chairman (Cross Valley Canal Advisory Committee)  
2109 CA-166  
Bakersfield, CA 93312  
Email: [snicholas@wrmwsd.com](mailto:snicholas@wrmwsd.com)

Re: Cross Valley Canal 2023 Operations & Maintenance Budget – Allocation of Costs and Capacities for Improvement Projects

Lauren and Sheridan,

This letter is being written as a follow-up to the November 1, 2023, meeting of the Budget Subcommittee of the Cross Valley Canal Advisory Committee (CVCAC). At that meeting, the subcommittee discussed a Cross Valley Canal (CVC) Operation and Maintenance Budget for the 2023 calendar year and Rosedale's representative (Trent Taylor) noted several items that Rosedale objected to. Mr. Taylor promised to send a letter to explain Rosedale's reasoning for opposing the 2023 CVC Operations and Maintenance Budget so that it can be shared with all of the CVCAC members prior to a vote of the full committee. We want to ensure that that the CVCAC and KCWA Board have all relevant information before making any decision on the CVC budget. Since the meeting, we have discussed our concerns with David Ansolabehere and David Halopoff from Cawelo Water District as well as Eric Limas from Lower-Tule River Irrigation District and Pixley Irrigation District, who share in our concerns and have agreed to sign this letter.

Attached for reference is the copy of the budget that the Budget Subcommittee considered. I have highlighted those items which we believe should not be included in the annual Operations and Maintenance Budget, especially with the use of an asterisk.<sup>1</sup> It is our position that the items that have

<sup>1</sup> As we understand it, an asterisk is intended to denote an item that has either already been considered by the body approving the budget, or an item that does not warrant (or will not receive) further consideration by such body. If an asterisk is included, it is our understanding that the KCWA can expend the funds without any further authorization or recommendation by the CVCAC, or further approval by the KCWA Board (if the KCWA approves the budget with asterisks). In our opinion, this minimizes transparency on various issues of importance. Therefore, we request that the asterisks be removed from the highlighted line items so that further discussions can be had when those projects are undertaken.



November 6, 2023  
Lauren Bauer and Sheridan Nicholas  
Re: CVC 2023 Budget – Improvement Projects  
Page 2 of 2

been highlighted are improvements to the CVC as it exists today, and that there is no contract in existence which governs the allocation of costs or capacity associated with any such improvement.

The contract that is currently being utilized by the Agency to govern the parties’ rights and responsibilities with respect to the CVC is the Operations Agreement. As is relevant to the current issue, the Operations Agreement allocates two distinct types of costs, Operating Costs (in Articles 11-12) and Pumping Costs (in Article 13). “Operating Costs’ are defined (in Article 1(v)) as “all necessary costs incurred by the Agency, including establishing reasonable reserve funds, other than Pumping Costs, for the operation, maintenance, repair, replacement and administration of the Integrated Canal and Extension.” In turn, the “Integrated Canal” is defined as the “Existing Canal as expanded by the addition of the New Canal.” And the New Canal is defined specifically with reference to the capacity that was to be added “pursuant to the Contract Among the Kern County Water Agency and Various Parties for the Construction of the Expansion of the Cross Valley Canal.” None of these provisions include any reference to improvements to the CVC at a later date. In fact, the Operations Agreement as a whole is silent as to any allocation or costs or capacities that are realized as a result of improvements to the canal after the expansion project was declared substantially complete by the Agency. Therefore, it is our position that the rights and responsibilities of the various parties with respect to new improvements to the CVC must be governed either by an amendment to the Operations Agreement or by separate agreements.

It is important to note that we do not oppose all of the improvement projects that are included within the proposed 2024 budget. We recognize that some are valuable water management projects that will likely increase the capacity of the canal from what it is today. We do, however, object to forcing any of the CVC participants to participate in (and pay for) such improvements by way of majority vote of the CVCAC. Therefore, we ask that the CVCAC not recommend (and the KCWA not approve) any budget for the CVC that includes improvements to the CVC – especially with the use of an asterisk – unless and until the parties desiring to participate in an improvement have come to an agreement with respect to sharing the rights and responsibilities that are realized. We are prepared to participate in meaningful negotiations of new agreements for those improvements that we desire to participate in. Feel free to contact us if you have any questions about our position.

Sincerely,



Dan Bartel  
Engineer-Manager  
Rosedale-Rio Bravo  
Water Storage District

David Ansolabehere  
General Manager  
Cawelo Water District

Eric Limas  
General Manager  
Lower-Tule River  
Irrigation District and  
Pixley Irrigation District

Enclosure

cc: Cross Valley Canal Advisory Committee Members  
Kern County Water Agency Board of Directors

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Enclosure

cc: Cross Valley Canal Advisory Committee Members  
Kern County Water Agency Board of Directors



**2024 CVC Operations and Maintenance Budget  
Preliminary Expenditures**

	<b>2024 Proposed Budget</b>
<b>5400 Structures and Improvements *</b>	\$ 250,000
<b>5401 Mobile Equipment *</b>	\$ 65,000
<b>5402 Electronic Equipment *</b>	\$ 40,000
<b>5403 Pumps and Motors *</b>	\$ 325,000
<b>5404 Chemical and Weed Control *</b>	\$ 50,000
<b>5589 Safety Equipment *</b>	\$ 50,000
<b>5502 Computer Supplies *</b>	\$ 8,500
<b>5550 Association and Professional Membership Fees *</b>	\$ 15,000
<b>5602 Consulting Engineers</b>	
CVC Hydraulic Improvement Projects	
Pool No. 2 Phase No. 1 Liner Raising Project - Design *	\$ 15,000
Pool No. 2 Phase No. 2 Liner Raising Project - Design *	80,000
Pool No. 3 Liner Raising Project - Design *	80,000
Post-Expansion Study *	20,000
Pump Submergence and Canal Freeboard Study *	30,000
Pumping Plant 1A Back Siphoning Mitigation Initial Study *	80,000
Projects	
Hageman Flyover Utility Conflict Relocation Project Design *	\$ 5,000
Pioneer Inlet Improvements - Design and Construction Management Services *	270,000
Pool No. 6 Open Channel Meter - Design *	15,000
Pool No. 6 Junction Box Bypass Meter - Study *	25,000
Routine	
Arc Flash *	\$ 20,000
Consulting Engineers - Miscellaneous *	50,000
CVC Pool Level Circuit Survey *	90,000
CVC Pools 5-8 Invert Survey *	80,000
Electrical Engineering Services *	25,000
Pump Consultant *	25,000
Total	\$ 910,000
<b>5604 Special Consultants</b>	
Projects	
Pioneer Inlet Construction Materials Testing *	\$ 30,000
Protective Relay Testing *	26,000
Pumping Plant Outage Mitigation - 'A' Pumping Plants *	\$ 60,000
Routine	
Afterbay Trash Rack Installation *	\$ 120,000
Biological Services *	11,000
CVC Flow Meter Testing *	20,000
CVC Roof Maintenance and Inspection *	30,000

**2024 CVC Operations and Maintenance Budget  
Preliminary Expenditures**

	<b>2024 Proposed Budget</b>
<b>5604 Special Consultants</b>	
Database Consultant *	\$ 3,000
Safety/Emergency Response Planning *	10,000
SCADA Consultant Services *	60,000
Special Consultants - Miscellaneous *	20,000
Standby Emergency Electrical Services Contract *	20,000
Total	\$ 410,000
<b>5720 Structures and Improvements</b>	
Projects	
Pioneer Inlet Improvements Construction *	\$ 2,620,000
Routine	
CVC Improvements *	\$ 50,000
Pool 6 Meter Installation *	20,000
Total	\$ 2,690,000
<b>5730 Mobile Equipment</b>	
Vehicles - Up to 3 <sup>[1,2]</sup> *	\$ 185,000
One 1 1/2-ton Service Vehicle <sup>[1,2]</sup> *	150,000
Total	\$ 335,000
<b>5740 Electrical &amp; Mechanical Equipment</b>	
Projects	
Uninterruptible Power Supply Replacement *	200,000
Routine	
CVC Electrical and Mechanical Equipment *	\$ 50,000
CVC Meters *	50,000
Total	\$ 300,000

\* Approval of the 2024 O&M Budget authorizes expenditure, subject to statutory and regulatory restrictions.

[1] Recommended by the CVCAC on September 21, 2022 and approved by the Agency Board at the September 22, 2022 meeting.

[2] Recommended by the CVCAC on January 25, 2023 and approved by the Agency Board at the January 26, 2023 meeting.



**KERN COUNTY WATER AGENCY  
CROSS VALLEY CANAL  
BUDGETED AND ACTUAL OPERATING COSTS  
CALENDAR YEARS 2020-2022 ACTUAL, 2023 YTD and PRELIMINARY 2024**

Description	2020		2021		2022		2023			2024	%
	Approved Budget	Actual Expenses	Approved Budget	Actual Expenses	Approved Budget	Actual Expenses	Approved Budget	Expenses @ 08/31/23	Estimated Exp. @ 12/31/23	Proposed Budget	Change 2024 / 2023
SALARIES AND BENEFITS	\$2,052,000	\$1,874,240	\$2,210,000	\$1,653,135	\$2,353,000	\$1,850,984	\$2,353,000	\$1,267,901	\$1,690,534	\$2,353,000	0.0%
MAINTENANCE	746,000	631,158	646,000	296,255	695,450	400,457	561,000	175,214	474,071	736,000	31.2%
OPERATING SUPPLIES	96,500	61,083	96,500	62,592	101,500	78,630	96,500	44,307	86,500	121,500	25.9%
OFFICE SUPPLIES	16,000	3,937	23,500	8,935	20,500	1,370	17,500	54	71	10,000	-42.9%
UTILITIES	36,500	31,872	36,500	28,752	36,500	33,288	38,000	17,545	33,099	38,000	0.0%
PROFESSIONAL SERVICES	901,500	254,096	1,121,000	415,558	1,583,000	465,599	1,374,000	539,815	804,098	1,360,000	-1.0%
MEETINGS, TRAVEL & EDUCATION	10,000	917	10,000	24	10,000	48	10,000	53	3,080	12,500	25.0%
LICENSES & PERMITS	1,500	23,029	1,000	60	1,000	160	1,000	211	316	1,000	0.0%
INSURANCE	101,260	63,283	118,600	62,230	128,700	75,940	144,300	73,322	79,494	169,700	17.6%
RENTS & LEASES	60,000	14,141	40,000	5,040	40,000	10,597	60,000	32,948	49,421	40,000	-33.3%
ASSOC. & PROF. MEMBERSHIP FEES	15,000	11,447	14,300	8,674	14,200	9,636	15,000	9,736	15,000	15,000	0.0%
DIRECTORS FEES	6,000	7,354	6,000	6,587	6,000	4,146	6,000	1,538	2,307	6,000	0.0%
OUTSIDE SERVICES	8,000	10,187	8,000	4,863	10,000	3,650	10,000	7,917	11,875	10,000	0.0%
AGENCY OVERHEAD	777,600	514,086	813,400	445,741	653,500	505,268	502,700	335,902	502,700	507,300	0.9%
REPLACEMENT FUND COLLECTION	40,000	40,000	40,000	40,000	0	0	0	0	0	0	0.0%
TRANSFER FROM RESERVES	0	0	0	0	0	0	0	0	0	0	0.0%
OPERATING CAPITAL OUTLAY	2,280,000	1,391,854	2,200,000	2,310	3,505,000	272,669	4,383,000	2,125,852	2,834,469	3,325,000	-24.1%
<b>TOTAL CVC OPERATIONS</b>	<b>\$7,147,860</b>	<b>\$4,932,684</b>	<b>\$7,384,800</b>	<b>\$3,040,756</b>	<b>\$9,158,350</b>	<b>\$3,712,442</b>	<b>\$9,572,000</b>	<b>\$4,632,313</b>	<b>\$6,587,036</b>	<b>\$8,705,000</b>	<b>-9.1%</b>

**KERN COUNTY WATER AGENCY  
CROSS VALLEY CANAL  
BUDGETED AND ACTUAL OPERATING COSTS  
CALENDAR YEARS 2020-2022 ACTUAL, 2023 YTD and PRELIMINARY 2024**

Account Number	Description	2020		2021		2022		2023			% of 2023 Estimated / Approved	2024 Proposed Budget	% Change 2024 / 2023
		Approved Budget	Actual Expenses	Approved Budget	Actual Expenses	Approved Budget	Actual Expenses	Approved Budget	Expenses @ 08/31/23	Estimated Exp. @ 12/31/23			
								A	B	B / A	C	C / A	
<b>EMPLOYEE SALARIES</b>													
5000	Regular Salaries	950,000	947,278	1,000,000	843,562	1,100,000	950,639	1,100,000	651,866	869,155	-21.0%	1,100,000	0.0%
5001	Overtime	75,000	66,724	100,000	68,535	100,000	69,371	100,000	81,449	108,599	8.6%	100,000	0.0%
	<b>TOTAL SALARIES</b>	<b>1,025,000</b>	<b>1,014,002</b>	<b>1,100,000</b>	<b>912,097</b>	<b>1,200,000</b>	<b>1,020,009</b>	<b>1,200,000</b>	<b>733,316</b>	<b>977,754</b>	<b>-18.5%</b>	<b>1,200,000</b>	<b>0.0%</b>
<b>EMPLOYEE BENEFITS</b>													
5020	Retirement	520,000	448,733	605,000	365,933	626,000	457,952	626,000	316,632	422,176	-32.6%	626,000	0.0%
5010	Social Security	85,000	65,919	90,000	58,580	93,000	68,379	93,000	53,662	71,550	-23.1%	93,000	0.0%
5021,23	Health & Dental Insurance	400,000	328,389	390,000	302,638	407,000	289,781	407,000	151,782	202,375	-50.3%	407,000	0.0%
5022,24	Life Insurance and Vision Care	12,000	8,985	12,000	7,257	12,500	7,713	12,500	6,214	8,286	-33.7%	12,500	0.0%
5012	Unemployment Insurance	0	0	0	0	0	0	0	0	0	0.0%	0	0.0%
5025	LTD Insurance	10,000	8,212	13,000	6,630	14,500	7,150	14,500	6,295	8,394	-42.1%	14,500	0.0%
	<b>TOTAL EMPLOYEE BENEFITS</b>	<b>1,027,000</b>	<b>860,238</b>	<b>1,110,000</b>	<b>741,038</b>	<b>1,153,000</b>	<b>830,974</b>	<b>1,153,000</b>	<b>534,585</b>	<b>712,780</b>	<b>-38.2%</b>	<b>1,153,000</b>	<b>0.0%</b>
	<b>TOTAL SALARIES AND BENEFITS</b>	<b>2,052,000</b>	<b>1,874,240</b>	<b>2,210,000</b>	<b>1,653,135</b>	<b>2,353,000</b>	<b>1,850,984</b>	<b>2,353,000</b>	<b>1,267,901</b>	<b>1,690,534</b>	<b>-28.2%</b>	<b>2,353,000</b>	<b>0.0%</b>
<b>MAINTENANCE</b>													
5400	Structures & Improvements * [1]	100,000	46,828	80,000	70,859	100,000	198,408	100,000	11,457	100,000	0.0%	250,000	150.0%
5401	Mobile Equipment * [2]	40,000	41,767	40,000	40,696	50,000	22,577	50,000	14,039	75,000	50.0%	65,000	30.0%
5402	Electronic Equipment * [3]	50,000	8,744	25,000	7,809	30,000	16,568	30,000	28,694	30,000	0.0%	40,000	33.3%
5403	Pumps & Motors * [4]	500,000	484,680	400,000	111,411	425,000	139,962	325,000	106,720	250,000	-23.1%	325,000	0.0%
5404	Chemicals & Weed Control * [4]	45,000	47,598	45,000	12,318	50,000	17,352	50,000	12,610	16,813	-66.4%	50,000	0.0%
5408	Office Equip. & Furnishings	1,000	0	1,000	0	1,000	0	1,000	0	0	-100.0%	1,000	0.0%
5409	Other Maintenance	10,000	1,541	5,000	3,162	5,000	5,591	5,000	1,693	2,258	-54.8%	5,000	0.0%
	CVC Maintenance fund collections [5]	0	0	50,000	50,000	34,450	0	0	0	0	0.0%	0	-
	<b>TOTAL MAINTENANCE</b>	<b>746,000</b>	<b>631,158</b>	<b>646,000</b>	<b>296,255</b>	<b>695,450</b>	<b>400,457</b>	<b>561,000</b>	<b>175,214</b>	<b>474,071</b>	<b>-15.5%</b>	<b>736,000</b>	<b>31.2%</b>
<b>OPERATING SUPPLIES</b>													
5260	Fuel and Oil - Vehicles	55,000	45,731	55,000	47,300	60,000	54,603	60,000	35,004	60,000	0.0%	60,000	0.0%
5299	Other Operating Supplies	10,000	1,093	10,000	0	10,000	1,974	10,000	0	0	-100.0%	10,000	0.0%
5410	Janitorial Supplies	1,500	120	1,500	0	1,500	1,346	1,500	667	1,500	0.0%	1,500	0.0%
5589	Safety Equipment * [6]	30,000	14,139	30,000	15,292	30,000	20,707	25,000	8,636	25,000	0.0%	50,000	100.0%
	<b>TOTAL OPERATING SUPPLIES</b>	<b>96,500</b>	<b>61,083</b>	<b>96,500</b>	<b>62,592</b>	<b>101,500</b>	<b>78,630</b>	<b>96,500</b>	<b>44,307</b>	<b>86,500</b>	<b>-10.4%</b>	<b>121,500</b>	<b>25.9%</b>
<b>OFFICE SUPPLIES</b>													
5500	General Office Supplies	2,500	37	4,000	2,361	4,000	185	4,000	19	26	-99.4%	1,000	-75.0%
5501	Printing & Reproductions	5,000	0	8,000	6	5,000	37	5,000	0	0	-100.0%	1,000	-80.0%
5502	Computer Supplies/Subscriptions * [7]	8,500	3,900	11,500	6,568	11,500	1,147	8,500	34	45	-99.5%	8,000	-5.9%
	<b>TOTAL OFFICE SUPPLIES</b>	<b>16,000</b>	<b>3,937</b>	<b>23,500</b>	<b>8,935</b>	<b>20,500</b>	<b>1,370</b>	<b>17,500</b>	<b>54</b>	<b>71</b>	<b>-99.6%</b>	<b>10,000</b>	<b>-42.9%</b>
<b>UTILITIES</b>													
5570	Telephone	16,500	20,166	16,500	15,035	16,500	15,325	18,000	6,220	18,000	0.0%	18,000	0.0%
5571	Gas, Electricity, Water & Garbage	20,000	11,706	20,000	13,717	20,000	17,963	20,000	11,324	15,099	-24.5%	20,000	0.0%
	<b>TOTAL UTILITIES</b>	<b>36,500</b>	<b>31,872</b>	<b>36,500</b>	<b>28,752</b>	<b>36,500</b>	<b>33,288</b>	<b>38,000</b>	<b>17,545</b>	<b>33,099</b>	<b>-12.9%</b>	<b>38,000</b>	<b>0.0%</b>

[1] Proposed costs consist of various anticipated and unanticipated structural repairs and improvements. Additional funds included for air conditioning unit replacements, turnout actuator replacements, gravel for levee roads and replacement of a motor storage unit at the CVC O&M center.

[2] Proposed costs include maintenance costs on all vehicles and equipment.

[3] Proposed costs include maintenance costs for electrical equipment in motor control centers, canal and canal structures, SCADA components and CVC O&M Center.

[4] Proposed costs include repair or replacement of shafts, bushings and/or coating as needed.

[5] CVC Maintenance Fund, which began with the 2012 CVC O&M Budget, collected \$300,000 from 2012-2014, \$200,000 in 2017, \$50,000 in 2021 and \$34,450 in 2022. In 2022, \$50,000 was refunded to the Participants. A total of \$550,000 has been collected to date.

[6] Proposed costs include purchase of new safety equipment, including, but not limited to, signage, railing, lighting, safety upgrades and a replacement surveillance system.

[7] Proposed costs include replacement costs for computers, iPads and upgrade costs for software.

\* Approval of the 2024 O&M Budget authorizes expenditure, subject to statutory and regulatory restrictions, as outlined in the 2024 CVC Operation and Maintenance Budget Preliminary Expenditure summary.



**KERN COUNTY WATER AGENCY  
CROSS VALLEY CANAL  
BUDGETED AND ACTUAL OPERATING COSTS  
CALENDAR YEARS 2020-2022 ACTUAL, 2023 YTD and PRELIMINARY 2024**

Account Number	Description	2020		2021		2022		2023			% of 2023 Estimated / Approved	2024	% Change =BH9 C / A
		Approved Budget	Actual Expenses	Approved Budget	Actual Expenses	Approved Budget	Actual Expenses	Approved Budget	Expenses @ 08/31/23	Estimated Exp. @ 12/31/23		Proposed Budget	
<b>PROFESSIONAL SERVICES</b>													
5601	Legal Services	40,000	639	40,000	845	40,000	7,049	20,000	17,083	20,000	0.0%	40,000	100.0%
5602	Consulting Engineers * [8]	655,000	232,534	785,000	373,300	1,073,000	375,314	986,000	427,607	641,411	-34.9%	910,000	-7.7%
5604	Special Consultants * [9]	206,500	20,923	296,000	41,413	470,000	83,236	368,000	95,125	142,687	-61.2%	410,000	11.4%
	<b>TOTAL PROFESSIONAL SERVICES</b>	<b>901,500</b>	<b>254,096</b>	<b>1,121,000</b>	<b>415,558</b>	<b>1,583,000</b>	<b>465,599</b>	<b>1,374,000</b>	<b>539,815</b>	<b>804,098</b>	<b>-41.5%</b>	<b>1,360,000</b>	<b>-1.0%</b>
<b>BUSINESS MEETINGS &amp; TRAVEL EXPENSE</b>													
5591	Business Meetings/Travel	5,000	697	5,000	24	5,000	48	5,000	53	80	-98.4%	5,000	0.0%
5592	Educational Expense [10]	5,000	220	5,000	0	5,000	0	5,000	0	3,000	-40.0%	7,500	50.0%
	<b>TOTAL MEETINGS &amp; TRAVEL EXPENSE</b>	<b>10,000</b>	<b>917</b>	<b>10,000</b>	<b>24</b>	<b>10,000</b>	<b>48</b>	<b>10,000</b>	<b>53</b>	<b>3,080</b>	<b>-69.2%</b>	<b>12,500</b>	<b>25.0%</b>
<b>LICENSES &amp; PERMITS</b>													
5950	Licenses & Permits	1,500	23,029	1,000	60	1,000	160	1,000	211	316	-68.4%	1,000	0.0%
	<b>TOTAL LICENSES &amp; PERMITS</b>	<b>1,500</b>	<b>23,029</b>	<b>1,000</b>	<b>60</b>	<b>1,000</b>	<b>160</b>	<b>1,000</b>	<b>211</b>	<b>316</b>	<b>-68.4%</b>	<b>1,000</b>	<b>0.0%</b>
<b>INSURANCE</b>													
5582	Property Insurance	31,000	31,798	34,100	41,455	42,000	47,862	57,600	60,977	60,977	5.9%	83,000	44.1%
5011	Workers Compensation Insurance	40,260	14,533	50,100	5,714	51,000	7,226	51,000	12,345	18,517	-63.7%	51,000	0.0%
5581	Liability Insurance (JPIA)	30,000	16,952	34,400	15,061	35,700	20,851	35,700	0	0	-100.0%	35,700	0.0%
	<b>TOTAL INSURANCE</b>	<b>101,260</b>	<b>63,283</b>	<b>118,600</b>	<b>62,230</b>	<b>128,700</b>	<b>75,940</b>	<b>144,300</b>	<b>73,322</b>	<b>79,494</b>	<b>-44.9%</b>	<b>169,700</b>	<b>17.6%</b>
<b>RENTS &amp; LEASES</b>													
5290	Equipment	60,000	14,141	40,000	5,040	40,000	10,597	60,000	32,948	49,421	-17.6%	40,000	-33.3%
	<b>TOTAL RENTS &amp; LEASES</b>	<b>60,000</b>	<b>14,141</b>	<b>40,000</b>	<b>5,040</b>	<b>40,000</b>	<b>10,597</b>	<b>60,000</b>	<b>32,948</b>	<b>49,421</b>	<b>-17.6%</b>	<b>40,000</b>	<b>-33.3%</b>
<b>ASSOC. &amp; PROF. MEMBERSHIP FEES</b>													
5550	Assoc. Fees * [11]	15,000	11,447	14,300	8,674	14,200	9,636	15,000	9,736	15,000	0.0%	15,000	0.0%
	<b>TOTAL ASSOC. FEES</b>	<b>15,000</b>	<b>11,447</b>	<b>14,300</b>	<b>8,674</b>	<b>14,200</b>	<b>9,636</b>	<b>15,000</b>	<b>9,736</b>	<b>15,000</b>	<b>0.0%</b>	<b>15,000</b>	<b>0.0%</b>
<b>DIRECTORS FEES</b>													
5590	Directors Fees	6,000	7,354	6,000	6,587	6,000	4,146	6,000	1,538	2,307	-61.6%	6,000	0.0%
	<b>TOTAL DIRECTORS FEES</b>	<b>6,000</b>	<b>7,354</b>	<b>6,000</b>	<b>6,587</b>	<b>6,000</b>	<b>4,146</b>	<b>6,000</b>	<b>1,538</b>	<b>2,307</b>	<b>-61.6%</b>	<b>6,000</b>	<b>0.0%</b>
<b>OUTSIDE SERVICES</b>													
5510	Laundry & Uniforms	8,000	10,187	8,000	4,863	10,000	1,346	10,000	5,620	8,430	-15.7%	10,000	0.0%
5960	Security	0	0	0	0	0	2,304	0	2,297	3,446	0.0%	6,000	100.0%
	<b>TOTAL OUTSIDE SERVICES</b>	<b>8,000</b>	<b>10,187</b>	<b>8,000</b>	<b>4,863</b>	<b>10,000</b>	<b>3,650</b>	<b>10,000</b>	<b>7,917</b>	<b>11,875</b>	<b>18.8%</b>	<b>10,000</b>	<b>0.0%</b>
<b>AGENCY OVERHEAD</b>													
5599	KCWA Overhead Allocation [12]	777,600	514,086	813,400	445,741	653,500	505,268	502,700	335,902	502,700	0.0%	507,300	0.9%
	<b>TOTAL OVERHEAD EXPENSE</b>	<b>777,600</b>	<b>514,086</b>	<b>813,400</b>	<b>445,741</b>	<b>653,500</b>	<b>505,268</b>	<b>502,700</b>	<b>335,902</b>	<b>502,700</b>	<b>0.0%</b>	<b>507,300</b>	<b>0.9%</b>
<b>REPLACEMENT FUND COLLECTIONS</b>													
	CVC Replacement fund collections [13]	40,000	40,000	40,000	40,000	0	0	0	0	0	0.0%	0	0.0%
	<b>TOTAL REPLACEMENT FUND</b>	<b>40,000</b>	<b>40,000</b>	<b>40,000</b>	<b>40,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0%</b>	<b>0</b>	<b>0.0%</b>
<b>TRANSFER FROM RESERVES</b>													
	Maintenance Fund Reserve Transfer	0	0	0	0	0	0	0	0	0	0.0%	0	0.0%
	<b>TOTAL TRANSFER FROM RESERVES</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.0%</b>	<b>0</b>	<b>0.0%</b>
<b>OPERATING CAPITAL EXPENDITURES</b>													
5720	Structures & Improvements [14]	1,270,000	423,910	1,990,000	202	3,270,000	245,416	3,518,000	1,979,219	2,968,829	-15.6%	2,690,000	-23.5%
5730	Mobile Equipment * [15]	430,000	387,806	80,000	0	105,000	0	435,000	145,549	247,450	-43.1%	335,000	-23.0%
5740	Electrical & Mechanical Equipment * [16]	580,000	580,138	130,000	2,108	130,000	27,253	430,000	1,083	130,000	-69.8%	300,000	-30.2%
	<b>TOTAL CAPITAL EXPENDITURES</b>	<b>2,280,000</b>	<b>1,391,854</b>	<b>2,200,000</b>	<b>2,310</b>	<b>3,505,000</b>	<b>272,669</b>	<b>4,383,000</b>	<b>2,125,852</b>	<b>2,834,469</b>	<b>-35.3%</b>	<b>3,325,000</b>	<b>-24.1%</b>
<b>TOTAL CROSS VALLEY CANAL OPERATIONS</b>		<b>\$7,147,860</b>	<b>\$4,932,684</b>	<b>\$7,384,800</b>	<b>\$3,040,756</b>	<b>\$9,158,350</b>	<b>\$3,712,442</b>	<b>\$9,572,000</b>	<b>\$4,632,313</b>	<b>\$6,587,036</b>	<b>-31.2%</b>	<b>\$8,705,000</b>	<b>-9.1%</b>

- [8] Proposed costs include \$305,000 for the Pool Nos. 2 and 3 Liner Raising Projects, Post-Expansion Study, Pump Submergence and Canal Freeboard and the Pumping Plant 1A Back Siphoning Mitigation. An additional \$605,000 has been budgeted for the Arc Flash study, miscellaneous consulting engineering, CVC Pool level circuit and Pools 5-8 invert surveys, electrical engineering services, Hageman Flyover Utility Conflict Relocation Project design, Pioneer Inlet Improvements, pump consultant, the Pool No. 6 Open Channel Meter design and the Pool No. 6 Junction Box Bypass Meter study.
- [9] Proposed costs include \$410,000 for the Afterbay Trash Rack Installations on Pumping Plants 3A, 4A and 5A, biological services, CVC flow meter testing, CVC roof maintenance and inspection, database consulting, Pioneer Inlet construction materials testing, protective relay testing, safety/emergency response planning consulting services, SCADA consulting services, miscellaneous consulting services, standby emergency electrical services and the Pumping Plant Outage Mitigation Project.
- [10] Miscellaneous educational expenses and up to five staff members to attend pump and/or flow measurement courses at Cal Poly Irrigation Training and Research Center.
- [11] Proposed costs include estimated Agricultural Energy Consumers Association dues, as well as the CVC's proportionate share of the Agency's dues for the American Concrete Institute, American Society of Testing and Materials, Association of California Water Agencies, International Society of Automation, Kern County Local Agency Formation Commission, National Association of Corrosion Engineers International and the Underground Service Alert.
- [12] Proposed costs are utilizing Agency's FY 2023-24 Overhead Allocation for budgeted amount of \$507,300. The 2022-23 FY Budget amount was \$502,700.
- [13] CVC Replacement Fund collected \$75,000 in 2005, \$100,000 from 2006-2008, \$20,000 in 2009, \$40,000 from 2011-2021. The fund decreased by \$375,199.91 with the Gradall purchase in 2010 and no additional funds were collected that year. In 2022, \$40,000 was refunded to the Participants. The current fund total is \$419,800.09.
- [14] Proposed costs include anticipated and unanticipated repairs and improvements to the CVC and CVC structures as well as the Pioneer Inlet Improvements construction and the Pool 6 Meter Installation.
- [15] Proposed costs include the purchase of two new work trucks, one electrician work truck and one service truck.
- [16] Proposed costs include Uninterruptible Power Supply replacements and a solar battery system for the CVC open channel meter device.

\* Approval of the 2024 O&M Budget authorizes expenditure, subject to statutory and regulatory restrictions, as outlined in the 2024 CVC Operation and Maintenance Budget Preliminary Expenditure summary.

**KERN COUNTY WATER AGENCY  
CROSS VALLEY CANAL  
PROPOSED 2024 Operations and Maintenance Budget  
Allocation to CVC Participants Utilizing CVC Integrated Canal Capacities**

C.V.C.PARTICIPANTS	Integrated Canal Capacity (%) Percentages	2024 Integrated Canal Est. Annual Budget O&M Costs	Less 2024 O&M Budget Pioneer Inlet Total Costs <sup>[1]</sup>	2024 Integrated Canal Est. Collected Annual O&M Costs	2024 Integrated Canal Estimated Quarterly O&M Costs	Extension Capacity (%) Percentages	2024 Extension Estimated Annual Budget O&M Costs	Less 2024 O&M Budget Pioneer Inlet Total Costs <sup>[1]</sup>	2024 Extension Estimated Collected Annual O&M Costs	2024 Extension Estimated Quarterly O&M Costs
Lower-Tule River I.D.	7.91%	\$ 578,395	\$ 194,016	\$ 384,379	\$ 96,095	0.00%	\$ -	\$ -	\$ -	\$ -
Pixley I.D.	7.91%	578,395	194,016	384,379	96,095	0.00%	-	-	-	-
County of Tulare	0.76%	55,573	18,641	36,931	9,233	0.00%	-	-	-	-
County of Fresno	0.76%	55,573	18,641	36,931	9,233	0.00%	-	-	-	-
Hills Valley I.D.	0.55%	40,217	13,490	26,727	6,682	0.00%	-	-	-	-
Tri-Valley W.D.	0.25%	18,281	6,132	12,149	3,037	0.00%	-	-	-	-
Sub-Total F-T Group	18.14%	1,326,433	444,938	881,495	220,374	0.00%	-	-	-	-
ARVIN-EDISON W.S.D.	0.93%	68,003	22,811	45,192	11,298	0.00%	-	-	-	-
KERN-TULARE W.D.	13.99%	1,022,977	343,147	679,830	169,958	0.00%	-	-	-	-
CAWELO W.D.	12.26%	896,476	300,713	595,762	148,941	50.66%	705,592	236,684	468,909	117,227
IMPROVEMENT DISTR.No.4	12.81%	936,693	314,204	622,489	155,622	49.34%	687,208	230,516	456,691	114,173
ROSEDALE-RIO BRAVO WSD	5.07%	370,729	124,357	246,372	61,593	0.00%	-	-	-	-
Sub-Total Existing Participants	63.20%	4,621,310	1,550,170	3,071,141	767,785	100.00%	1,392,800	467,200	925,600	231,400
KERN COUNTY WATER AGENCY	14.72%	1,076,356	361,052	715,304	178,826	0.00%	-	-	-	-
KERN DELTA	14.72%	1,076,356	361,052	715,304	178,826	0.00%	-	-	-	-
ARVIN-EDISON W.S.D.	7.36%	538,178	180,526	357,652	89,413	0.00%	-	-	-	-
TOTAL	100.00%	\$ 7,312,200	\$ 2,452,800	\$ 4,859,400	\$ 1,214,850	100.00%	\$ 1,392,800	\$ 467,200	\$ 925,600	\$ 231,400

[1] Funds for the Pioneer Inlet Improvement Project budgeted in the 2024 CVC O&M Budget will not be collected in CY 2024. Funds collected in the 2023 CVC O&M Budget will be rolled over into the 2024 CVC O&M Budget and not refunded.



**2024 CVC Operations and Maintenance Budget  
Preliminary Expenditures**

	<b>2024 Proposed Budget</b>
<b>5400 Structures and Improvements *</b>	\$ 250,000
<b>5401 Mobile Equipment *</b>	\$ 65,000
<b>5402 Electronic Equipment *</b>	\$ 40,000
<b>5403 Pumps and Motors *</b>	\$ 325,000
<b>5404 Chemical and Weed Control *</b>	\$ 50,000
<b>5589 Safety Equipment *</b>	\$ 50,000
<b>5502 Computer Supplies *</b>	\$ 8,000
<b>5550 Association and Professional Membership Fees *</b>	\$ 15,000
<b>5602 Consulting Engineers</b>	
CVC Hydraulic Improvement Projects	
Pool No. 2 Phase No. 1 Liner Raising Project - Design *	\$ 15,000
Pool No. 2 Phase No. 2 Liner Raising Project - Design	80,000
Pool No. 3 Liner Raising Project - Design	80,000
Post-Expansion Study *	20,000
Pump Submergence and Canal Freeboard Study *	30,000
Pumping Plant 1A Back Siphoning Mitigation Initial Study	80,000
Projects	
Hageman Flyover Utility Conflict Relocation Project Design *	\$ 5,000
Pioneer Inlet Improvements - Design and Construction Management Services <sup>[1]</sup> *	270,000
Pool No. 6 Open Channel Meter - Design *	15,000
Pool No. 6 Junction Box Bypass Meter - Study *	25,000
Routine	
Arc Flash *	\$ 20,000
Consulting Engineers - Miscellaneous *	50,000
CVC Pool Level Circuit Survey *	90,000
CVC Pools 5-8 Invert Survey *	80,000
Electrical Engineering Services *	25,000
Pump Consultant *	25,000
Total	\$ 910,000
<b>5604 Special Consultants</b>	
Projects	
Pioneer Inlet Construction Materials Testing <sup>[2]</sup> *	\$ 30,000
Protective Relay Testing *	26,000
Pumping Plant Outage Mitigation - 'A' Pumping Plants *	60,000
Routine	
Afterbay Trash Rack Installation *	\$ 120,000
Biological Services *	11,000

\* Approval of the 2024 O&M Budget authorizes expenditure, subject to statutory and regulatory restrictions.

[1] Recommended by the CVCAC on November 14, 2022 and approved by the Agency Board at the November 16, 2022 meeting.

[2] Contract executed based on the CVCAC recommendation and Agency Board approval of the 2023 CVC O&M Budget on November 14, 2022 and November 16, 2022, respectively.

**2024 CVC Operations and Maintenance Budget  
Preliminary Expenditures**

	<b>2024 Proposed Budget</b>
<b>5604 Special Consultants</b>	
CVC Flow Meter Testing *	\$ 20,000
CVC Roof Maintenance and Inspection *	30,000
Database Consultant *	3,000
Safety/Emergency Response Planning *	10,000
SCADA Consultant Services *	60,000
Special Consultants - Miscellaneous *	20,000
Standby Emergency Electrical Services Contract *	20,000
Total	\$ 410,000
<b>5720 Structures and Improvements</b>	
Projects	
Pioneer Inlet Improvements Construction <sup>[1]</sup> *	\$ 2,620,000
Routine	
CVC Improvements *	\$ 50,000
Pool 6 Meter Installation *	20,000
Total	\$ 2,690,000
<b>5730 Mobile Equipment</b>	
Vehicles - Up to 3 <sup>[3,4]</sup> *	\$ 185,000
One 1 1/2-ton Service Vehicle <sup>[3,4]</sup> *	150,000
Total	\$ 335,000
<b>5740 Electrical &amp; Mechanical Equipment</b>	
Projects	
Uninterruptible Power Supply Replacement *	\$ 200,000
Routine	
CVC Electrical and Mechanical Equipment *	\$ 50,000
CVC Meters *	50,000
Total	\$ 300,000

\* Approval of the 2024 O&M Budget authorizes expenditure, subject to statutory and regulatory restrictions.

[1] Recommended by the CVCAC on November 14, 2022 and approved by the Agency Board at the November 16, 2022 meeting.

[2] Contract executed based on the CVCAC recommendation and Agency Board approval of the 2023 CVC O&M Budget on November 14, 2022 and November 16, 2022, respectively.

[3] Recommended by the CVCAC on September 21, 2022 and approved by the Agency Board at the September 22, 2022 meeting.

[4] Recommended by the CVCAC on January 25, 2023 and approved by the Agency Board at the January 26, 2023 meeting.



TABLE 1

**Pioneer Project  
2024 Budget  
Estimate**

	<b>2023 Budget</b>	<b>Actual 8/31/2023</b>	<b>Anticipated 12/31/2023</b>	<b>Total 2023 Expense</b>	<b>Amount Remaining</b>	<b>2024 Budget</b>
Administration (Table 2).....	\$ 816,400	\$ 199,800	\$ 187,300	\$ 387,100	\$ 429,300	\$ 1,022,900
Recharge O&M (Table 3).....	231,000	8,000	3,900	11,900	219,100	358,000
Recovery O&M (Table 4).....	464,900	293,800	63,200	357,000	107,900	624,900
<b>Subtotal</b>	<b>1,512,300</b>	<b>501,600</b>	<b>254,400</b>	<b>756,000</b>	<b>756,300</b>	<b>2,005,800</b>
Replacement - Recharge Facilities (Table 5).....	990,000	17,300	8,800	26,100	963,900	3,558,700
Capital - Recharge Facilities (Table 6).....	375,000	9,000	34,700	43,700	331,300	820,600
Capital - Recovery Facilities (Table 7).....	542,000	100	-	100	541,900	12,000
<b>Subtotal</b>	<b>1,907,000</b>	<b>26,400</b>	<b>43,500</b>	<b>69,900</b>	<b>1,837,100</b>	<b>4,391,300</b>
<b>Total.....</b>	<b>\$ 3,419,300</b>	<b>\$ 528,000</b>	<b>\$ 297,900</b>	<b>\$ 825,900</b>	<b>\$ 2,593,400</b>	<b>\$ 6,397,100</b>

TABLE 2

**Pioneer Project  
2024 Budget  
Administration  
Estimate**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Activity	Description	2023 Budget	Actual 8/31/2023	Anticipated 12/31/2023	Total 2023 Expense	Amount Remaining	2024 Budget
1. Administer leases, easements and other land use requests with non-tenants	Agency Staff	\$ 1,000	\$ -	\$ -	\$ -	\$ 1,000	\$ 1,000
2. Administration of storage accounts	Agency Staff	10,000	7,800	3,900	11,700	(1,700)	10,000
3. Prepare annual budget, collect fees, association fees and attend meetings	Agency Staff	75,000	60,100	27,900	88,000	(13,000)	75,000
4. Measure water levels in non-recharge and non-recovery years, twice per year	Agency Staff	2,200	-	-	-	2,200	2,200
5. Groundwater quality sampling and evaluation	Agency Staff	1,300	-	-	-	1,300	1,300
	Contract Services	1,000	-	-	-	1,000	1,000
<b>Subtotal</b>		<b>2,300</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2,300</b>	<b>2,300</b>
6. Liability/property insurance		7,000	600	-	600	6,400	7,000
7. Land maintenance <sup>[1]</sup>	Contract Services	95,000	-	-	-	95,000	129,300
8. Safety coordinator	Consultant	6,000	-	-	-	6,000	6,000
9. Pioneer survey of record <sup>[2]</sup>	Consultant	65,000	3,900	-	3,900	61,100	62,000
10. GSA <sup>[3]</sup>	Agency Staff	75,000	60,900	30,500	91,400	(16,400)	125,000
	Consultant	100,000	13,000	36,500	49,500	50,500	150,000
	Basin Coordination Fees	125,000	26,900	73,500	100,400	24,600	200,000
<b>Subtotal</b>		<b>300,000</b>	<b>100,800</b>	<b>140,500</b>	<b>241,300</b>	<b>58,700</b>	<b>475,000</b>
11. Property fencing - bike path	Agency Staff	10,000	-	-	-	10,000	22,500
	Consultant	40,000	-	-	-	40,000	46,000
	Contract Services <sup>[4]</sup>	155,300	-	-	-	155,300	178,600
<b>Subtotal</b>		<b>205,300</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>205,300</b>	<b>247,100</b>
12. Aerial Photogrammetry	Consultant	47,600	26,600	15,000	41,600	6,000	6,000
<b>Total</b>		<b>\$ 816,400</b>	<b>\$ 199,800</b>	<b>\$ 187,300</b>	<b>\$ 387,100</b>	<b>\$ 429,300</b>	<b>\$ 1,022,900</b>

[1] Includes funds to mow 1/3 of Pioneer every year. An additional \$20,000 is included for tree removal in 2024.

[2] Remainder of South Pioneer to be surveyed in 2024 given recharge operations in 2023.

[3] SGMA Costs.

[4] Assumes \$15/foot of 5-strand barbed wire with seven access gates (for a total of 9,000 feet). A 15 percent contingency is included for 2024.



TABLE 3

**Pioneer Project  
2024 Budget  
Recharge O&M  
Estimate**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Activity	Description	2023 Budget	Actual 8/31/2023	Anticipated 12/31/2023	Total 2023 Expense	Amount Remaining	2024 Budget
1. Maintain tables, billing, budget admin., etc.	Agency Staff	\$ 10,000	\$ 800	\$ 400	\$ 1,200	\$ 8,800	\$ 10,000
2. Maintain and repair levees as needed <sup>[1]</sup>	Agency Staff	4,000	-	-	-	4,000	4,000
	Contract Services	50,000	-	-	-	50,000	50,000
	<b>Subtotal</b>	<b>54,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>54,000</b>	<b>54,000</b>
3. Maintain and repair roads as needed	Agency Staff	5,000	-	-	-	5,000	5,000
	Contract Services	1,000	-	-	-	1,000	1,000
	<b>Subtotal</b>	<b>6,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>6,000</b>	<b>6,000</b>
4. Maintain and repair canals and structures as needed	Agency Staff	6,000	-	-	-	6,000	6,000
	Contract Services <sup>[2]</sup>	85,000	-	-	-	85,000	235,000
	<b>Subtotal</b>	<b>91,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>91,000</b>	<b>241,000</b>
5. Section 4 pump maintenance as needed	Agency Staff	1,000	-	-	-	1,000	1,000
	Contract Services	30,000	-	-	-	30,000	30,000
	<b>Subtotal</b>	<b>31,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>31,000</b>	<b>31,000</b>
6. Power stand-by costs for Section 4 pump		3,000	200	-	200	2,800	3,000
7. Recharge database/iPad application support <sup>[3]</sup>	Consultant	4,000	-	-	-	4,000	4,000
8. Weir board repairs	Purchase	5,000	-	-	-	5,000	5,000
9. Staff gauges	Purchase	4,000	-	-	-	4,000	4,000
10. Levee mitigation feasibility study <sup>[4]</sup>	Consultant	23,000	7,000	3,500	10,500	12,500	-
<b>Total</b>		<b>\$ 231,000</b>	<b>\$ 8,000</b>	<b>\$ 3,900</b>	<b>\$ 11,900</b>	<b>\$ 219,100</b>	<b>\$ 358,000</b>

[1] Annual levee inspection, maintenance and restoration program.

[2] Dredging of James Canal will be evaluated in 2024. Includes funds for maintenance of interbasin structures.

[3] Funds for database development and report production. Additional funds possibly needed for iOS updates.

[4] Mitigation feasibility study and geotechnical work on North Pioneer levees.

TABLE 4

**Pioneer Project  
2024 Budget  
Recovery O&M  
Estimate**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Activity	Description	2023 Budget	Actual 8/31/2023	Anticipated 12/31/2023	Total 2023 Expense	Amount Remaining	2024 Budget
1. Maintain tables, pump-in program, PG&E	Agency Staff	\$ 3,100	\$ 3,100	\$ 1,600	\$ 4,700	\$ (1,600)	\$ 3,100
2. Maintain and repair electric panels, flow meters, pumps and pipelines as needed	Agency Staff	16,000	46,000	23,000	69,000	(53,000)	16,000
	Parts/Equipment <sup>[1]</sup>	45,000	32,400	16,200	48,600	(3,600)	100,000
	<b>Subtotal</b>	<b>61,000</b>	<b>78,400</b>	<b>39,200</b>	<b>117,600</b>	<b>(56,600)</b>	<b>116,000</b>
3. Control rodents	Agency Staff	700	700	400	1,100	(400)	700
	Materials	100	-	-	-	100	100
	<b>Subtotal</b>	<b>800</b>	<b>700</b>	<b>400</b>	<b>1,100</b>	<b>(300)</b>	<b>800</b>
4. Control weeds at well sites	Agency Staff	3,600	3,600	1,800	5,400	(1,800)	3,600
	Materials	900	-	-	-	900	900
	<b>Subtotal</b>	<b>4,500</b>	<b>3,600</b>	<b>1,800</b>	<b>5,400</b>	<b>(900)</b>	<b>4,500</b>
5. Power stand-by costs for recovery facilities		<b>64,000</b>	<b>14,000</b>	<b>7,000</b>	<b>21,000</b>	<b>43,000</b>	<b>64,000</b>
6. Well efficiency testing	Agency Staff	3,600	3,600	1,800	5,400	(1,800)	3,600
	Contract Services	3,000	-	-	-	3,000	3,000
	<b>Subtotal</b>	<b>6,600</b>	<b>3,600</b>	<b>1,800</b>	<b>5,400</b>	<b>1,200</b>	<b>6,600</b>
7. Administrative Costs	Agency Staff	-	2,600	1,300	3,900	(3,900)	4,000
8. Water analyses for pump-in program <sup>[2]</sup>	Contract Services	8,000	400	200	600	7,400	9,000
9. PG&E demand charges <sup>[3]</sup>	PG&E	42,000	-	-	-	42,000	42,000
10. AECA membership	Membership	4,000	-	-	-	4,000	4,000
11. Property insurance	Insurance	12,000	4,300	2,200	6,500	5,500	12,000
12. Safety training	Agency Staff	1,000	1,100	600	1,700	(700)	1,000
13. Recovery database/iPad application support <sup>[4]</sup>	Consultant	4,000	1,900	1,000	2,900	1,100	4,000
14. Electric motor preventative maintenance	Agency Staff	6,300	6,300	3,200	9,500	(3,200)	6,300
15. Well discharge sand production testing	Contract Services	7,200	-	-	-	7,200	7,200
16. Mechanical maintenance	Agency Staff	5,800	5,800	2,900	8,700	(2,900)	5,800
17. Arc Flash update <sup>[5]</sup>	Contract Services	14,600	-	-	-	14,600	14,600
18. Air release valves	Purchase	20,000	-	-	-	20,000	20,000
19. Maintenance based on analyses <sup>[6]</sup>	Contract Services	200,000	168,000	-	168,000	32,000	300,000
<b>Total</b>		<b>\$ 464,900</b>	<b>\$ 293,800</b>	<b>\$ 63,200</b>	<b>\$ 357,000</b>	<b>\$ 107,900</b>	<b>\$ 624,900</b>

[1] Includes motor control center breaker modifications, panel replacements, electrical repairs and purchase of 5 breakers and 5 starters.

[2] Budget includes sampling 1/3 of wells every three years.

[3] Budget assumes starting all 38 wells during winter rates.

[4] Monthly application support from Avadine and additional funds for database development and report production.

[5] Next Arc Flash update needed in 2028.

[6] Two wells are planned for pump maintenance in 2024.



TABLE 5

**Pioneer Project  
2024 Budget  
Replacement - Recharge Facilities  
Estimate**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Activity	Description	2023 Budget	Actual 8/31/2023	Anticipated 12/31/2023	Total 2023 Expense	Amount Remaining	2024 Budget
1. Basin #9	Agency Staff	\$ 50,000	\$ 3,700	\$ 1,900	\$ 5,600	\$ 44,400	37,800
	Consultant <sup>[1]</sup>	52,000	2,300	1,200	3,500	48,500	52,000
	Construction	302,000	-	-	-	302,000	326,000
<b>Subtotal</b>		<b>404,000</b>	<b>6,000</b>	<b>3,100</b>	<b>9,100</b>	<b>394,900</b>	<b>415,800</b>
2. Nord Siphon Turnout	Agency Staff	16,000	11,300	5,700	17,000	(1,000)	166,000
	Consultant <sup>[2]</sup>	160,000	-	-	-	160,000	160,000
	Construction	-	-	-	-	-	1,500,000
<b>Subtotal</b>		<b>176,000</b>	<b>11,300</b>	<b>5,700</b>	<b>17,000</b>	<b>159,000</b>	<b>1,826,000</b>
3. Spare Section 4 Pump <sup>[3]</sup>	Agency Staff	5,000	-	-	-	5,000	20,300
	Consultant	40,000	-	-	-	40,000	40,000
	Purchase	365,000	-	-	-	365,000	365,000
<b>Subtotal</b>		<b>410,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>410,000</b>	<b>425,300</b>
4. North Pioneer West Basin Levee Repair	Agency Staff		-	-	-	-	65,600
	Consultant		-	-	-	-	64,000
	Construction		-	-	-	-	592,000
<b>Subtotal</b>		<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>721,600</b>
5. Maintain and repair canals and structures as needed	Contract Services <sup>[4]</sup>	-	-	-	-	-	170,000
<b>Total</b>		<b>\$ 990,000</b>	<b>\$ 17,300</b>	<b>\$ 8,800</b>	<b>\$ 26,100</b>	<b>\$ 963,900</b>	<b>\$ 3,558,700</b>

[1] Includes \$19,000 for materials testing and \$33,000 for construction management services of the replacement of Basin 9 turnout (225 cfs). Construction is subject to revision of the Recharge Plan.

[2] Includes \$100,000 for design and \$60,00 for materials testing.

[3] Delivery will take approximately one year from date of purchase.

[4] Includes funds for replacement of interbasin structures.

TABLE 6

**Pioneer Project  
2024 Budget  
Capital Budget - Recharge Facilities  
Estimate**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Activity	Description	2023 Budget	Actual 8/31/2023	Anticipated 12/31/2023	Total 2023 Expense	Amount Remaining	2024 Budget
1. North Pioneer Section 4 East Basin Turnout	Agency Staff	\$ 10,000	\$ 1,300	\$ 700	\$ 2,000	\$ 8,000	12,500
	Consultant <sup>[1]</sup>	24,000	2,300	1,200	3,500	20,500	25,000
	Construction	100,000	-	-	-	100,000	100,000
<b>Subtotal</b>		<b>134,000</b>	<b>3,600</b>	<b>1,900</b>	<b>5,500</b>	<b>128,500</b>	<b>137,500</b>
2. McAllister/Central and South Pioneer Delivery Improvements	Agency Staff	4,000	\$ 1,500	\$ 800	\$ 2,300	1,700	4,000
	Consultant <sup>[2]</sup>	40,000	-	30,000	30,000	10,000	40,000
	Construction	-	-	-	-	-	-
<b>Subtotal</b>		<b>44,000</b>	<b>1,500</b>	<b>30,800</b>	<b>32,300</b>	<b>11,700</b>	<b>44,000</b>
3. Basin 11/North Pioneer Turnout	Consultant	-	-	-	-	-	-
4. North Pioneer West Basin Weir Plan	Agency Staff	18,000	3,900	2,000	5,900	12,100	58,100
	Consultant <sup>[3]</sup>	26,000	-	-	-	26,000	21,000
	Construction	153,000	-	-	-	153,000	560,000
<b>Subtotal</b>		<b>197,000</b>	<b>3,900</b>	<b>2,000</b>	<b>5,900</b>	<b>191,100</b>	<b>639,100</b>
<b>Total</b>		<b>\$ 375,000</b>	<b>\$ 9,000</b>	<b>\$ 34,700</b>	<b>\$ 43,700</b>	<b>\$ 331,300</b>	<b>\$ 820,600</b>

[1] 100 cfs turnout from Section 4 Pond 3 to East Basin. Includes \$15,000 for materials testing and \$10,000 for construction management services.

[2] Includes \$30,000 for design and \$10,000 for geotechnical work. Construction estimated in 2024; costs to be determined.

[3] Includes \$21,000 for design and construction management services.



TABLE 7

**Pioneer Project  
2024 Budget  
Capital Budget - Recovery Facilities  
Estimate**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Activity	Description	2023 Budget	Actual 8/31/2023	Anticipated 12/31/2023	Total 2023 Expense	Amount Remaining	2024 Budget
1. Groundwater transducer	Purchase	\$ 5,000	\$ -	\$ -	\$ -	\$ 5,000	\$ 5,000
2. Well site easements	Consultant	7,000	-	-	-	7,000	7,000
3. Permanent pipeline for R07 (CBK40)	Agency Staff	40,000	100	-	100	39,900	-
	Consultant	85,000	-	-	-	85,000	-
	Construction	405,000	-	-	-	405,000	-
<b>Subtotal</b>		<b>530,000</b>	<b>100</b>	<b>-</b>	<b>100</b>	<b>529,900</b>	<b>-</b>
<b>Total</b>		<b>\$ 542,000</b>	<b>\$ 100</b>	<b>\$ -</b>	<b>\$ 100</b>	<b>\$ 541,900</b>	<b>\$ 12,000</b>

TABLE 8

**Pioneer Project  
Annual Budget by Participant  
2024**

Participant	Administration			Recharge O&M			Recovery O&M*			Capital - Recharge		
	60%	40%	Total	60%	40%	Total	60%	40%	Total	60%	40%	Total
Belridge WSD.....	60,863	40,575	101,438	21,301	14,201	35,502	59,278	39,519	98,797			0
Berrenda Mesa WD.....	60,863	40,575	101,438	21,301	14,201	35,502	59,278	39,519	98,797			0
Improvement District No. 4.....	35,801	23,867	59,668	12,530	8,354	20,884	34,869	23,246	58,115			0
Lost Hills WD.....	53,702	35,801	89,503	18,795	12,530	31,325	52,304	34,869	87,173			0
Semitropic WSD.....	50,122	33,414	83,536	17,542	11,695	29,237	48,817	32,545	81,362			0
Tejon-Castac WD.....	3,580	2,387	5,967	1,253	835	2,088	3,487	2,325	5,812			0
Wheeler Ridge-Maricopa WSD..	93,084	62,056	155,140	32,578	21,719	54,297	90,661	60,440	151,101			0
Kern County Water Agency.....	51,145	34,097	85,242	17,900	11,933	29,833	26,246	17,497	43,743			0
Buena Vista WSD.....	51,145	34,097	85,242	17,900	11,933	29,833			0	123,090	82,060	205,150
Henry Miller WD.....	51,145	34,097	85,242	17,900	11,933	29,833			0	123,090	82,060	205,150
Kern Delta WD.....	51,145	34,097	85,242	17,900	11,933	29,833			0	123,090	82,060	205,150
Rosedale-Rio Bravo WSD.....	51,145	34,097	85,242	17,900	11,933	29,833			0	123,090	82,060	205,150
<b>Total</b>	<b>613,740</b>	<b>409,160</b>	<b>1,022,900</b>	<b>214,800</b>	<b>143,200</b>	<b>358,000</b>	<b>374,940</b>	<b>249,960</b>	<b>624,900</b>	<b>492,360</b>	<b>328,240</b>	<b>820,600</b>

\* Recovery O&M includes KCWA recovery of seven percent of its Reserved Right.



TABLE 9

**Pioneer Project  
Annual Budget by Participant  
2024**

Participant	Replacement - Recharge**			Capital - Recovery			Total		
	60%	40%	Total	60%	40%	Total	60%	40%	Total
Belridge WSD.....	233,259	155,506	388,766	1,224	816	2,040	375,925	250,617	626,542
Berrenda Mesa WD.....	177,790	118,527	296,317	1,224	816	2,040	320,456	213,638	534,094
Improvement District No. 4.....	50,640	33,760	84,400	720	480	1,200	134,560	89,707	224,267
Lost Hills WD.....	264,454	176,303	440,757	1,080	720	1,800	390,335	260,223	650,558
Semitropic WSD.....	145,869	97,246	243,115	1,008	672	1,680	263,358	175,572	438,930
Tejon-Castac WD.....	3,155	2,103	5,258	72	48	120	11,547	7,698	19,245
Wheeler Ridge-Maricopa WSD..	176,523	117,682	294,205	1,872	1,248	3,120	394,718	263,145	657,863
Kern County Water Agency.....	142,499	95,000	237,499			0	237,790	158,527	396,317
Buena Vista WSD.....	273,351	182,233	455,584			0	465,486	310,323	775,809
Henry Miller WD.....	112,750	75,167	187,917			0	304,885	203,257	508,142
Kern Delta WD.....	162,018	108,012	270,030			0	354,153	236,102	590,255
Rosedale-Rio Bravo WSD.....	392,912	261,941	654,853			0	585,047	390,031	975,078
<b>Total</b>	<b>2,135,220</b>	<b>1,423,480</b>	<b>3,558,700</b>	<b>7,200</b>	<b>4,800</b>	<b>12,000</b>	<b>3,838,260</b>	<b>2,558,840</b>	<b>6,397,100</b>

\*\* Replacement - Recharge allocation based upon proportionate share of historic replacement fees collected to date.

# COMMITTEE FOR DELTA RELIABILITY

## AGENDA

Date: Tuesday, October 10, 2023  
Time: 1:00 pm – 2:30 pm  
Location: Teams Viewer – online conference call  
Call-in Info: Access via [Teams Viewer](#) or dial in: +1 213-379-5442,,438187952#

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### 1. Administration

- a. July 11, 2023, Meeting Notes – Melissa Frank (**Page 2**)
- b. Financial Report – WRMWSD (**Page 4**)
  - i. Cash Call (\$1/AF entitlement) – Melissa Frank
- c. Blog update – Dennis Murphy (**Page 9**)
- d. District presentations
- e. Date of next meeting: January 9, 2024

### 2. Delta Operations – Biological Opinions / Collaborative Science Process

- a. 2023 Operations
  - i. X2 implementation – Scott Hamilton
- b. Adaptive Management and Structured Decision Making – Bill Phillimore
- c. Monitoring – Dennis Murphy
- d. 2024 Biological Opinions and ITP – Paul Weiland
- e. Voluntary Agreements status – Paul Weiland
- f. Salmon hatcheries – Paul Weiland
- g. SWRCB response to EPA re Administrative Complaint – Paul Weiland

### 3. Federal Issues

- a. National Academy update – Paul Weiland
- b. CSD comments on the Review of the Long-Term Operations of the CVP/SWP – Paul Weiland (**Page 14**)
- c. CSD Comments on Revision of Regulations for Interagency Cooperation – Paul Weiland (**Page 18**)
- d. CSD Comments on Proposed Rule to List Longfin Smelt – Paul Weiland (**Page 24**)



# Committee for Delta Reliability

## Meeting to Update Membership

November 16, 2023

2-4pm

Bakersfield Marriott at the Convention Center

801 Truxtun Avenue, Bakersfield, CA

Hear from our team of experts about important Delta reliability topics, such as:

- Salmon hatchery releases
- Upcoming 2024 Biological Opinion and Incidental Take Permit
- National Academy appointments
- Adaptive management
- Longfin smelt listing and Delta smelt recovery

Information regarding remote access to the meeting will be provided shortly. For additional information contact Brad Samuelson at (209) 658-8487 or [bsamuelson@waterandlandsolutions.com](mailto:bsamuelson@waterandlandsolutions.com)

**Regular Meeting of the Board of Directors of  
South Valley Water Resources Authority (SVWRA)  
Agenda**

Kern Water Bank Conference Room  
1620 Mill Rock Way, Suite 500  
Bakersfield, CA, 93311  
Dial-In (267) 807 9605; Participant Code: 510797#  
**October 26th, 2023, at 10:00 am**

**Call to Order**

- 1. Public Input**—This portion of the meeting is set aside to provide the public an opportunity to bring to the attention of the Committee members any matter not on the agenda and over which the Committee has jurisdiction, provided no action shall be taken on any such matter unless otherwise provided.
- 2. Minutes**  
Approval of minutes of 9/28/23 regular board meeting
- 3. Directors Forum** – discussion only, no action
  - a. SGMA
  - b. SWP & KCWA
  - c. Kern River
  - d. Other
- 4. New Business for Consideration at Future Meetings and Announcements**
- 5. Adjournment**



**Project Management Committee (Special Activity Agreement #1)  
of South Valley Water Resources Authority (SVWRA)**

**Fish Friendly Diversion Project  
Agenda**

Kern Water Bank Conference Room  
1620 Mill Rock Way, Suite 500  
Bakersfield, CA, 93311

Dial-In (267) 807 9605; Participant Code: 510797#

**October 26th, 2023, at 10:05 am**

**Call to Order**

- 1. Public Input**—This portion of the meeting is set aside to provide the public an opportunity to bring to the attention of the Committee members any matter not on the agenda and over which the Committee has jurisdiction, provided no action shall be taken on any such matter unless otherwise provided.
- 2. Minutes**  
Approval of committee meeting minutes of 9/28/23
- 3. Financial Reports**
  - a. Presentation of financial reports.
  - b. Accounts payable.
- 4. Fish Friendly Diversion Project**
  - a. Project updates – Colorado State Hydraulics Lab
  - b. Lead Agency discussion
- 5. CLOSED SESSION - CONFERENCE WITH REAL PROPERTY NEGOTIATOR**  
(Gov't Code § 54956.8)  
Property: FFD Pilot Project sites (lease or purchase) – Various  
Authority Negotiator: Scott Hamilton and Director Gianquinto  
Under Negotiation: Price and Terms  
Negotiation With: Various Owners or Agents
- 6. 2024 Budget**  
Consideration of a budget for 2024.
- 7. Water Blueprint for the San Joaquin Valley**  
Update
- 8. Collaborative Action Plan for the San Joaquin Valley**  
Update
- 9. USBR SJR Valley Plan**  
Update

**10. New Business for Consideration at Future Meetings and Announcements**

**11. Adjournment**

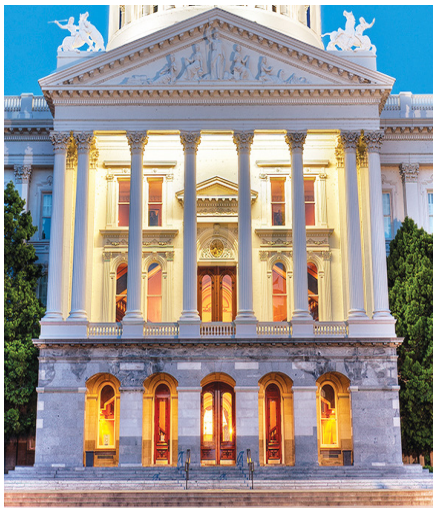


# SACRAMENTO REPORT

October 2023



Volume 18, Issue 10



## NEWS BRIEFS

### Proposed Designation of Tulare Lake Subbasin as a Probationary Basin

The Department of Water Resources (DWR) has designated the Tulare Lake Subbasin as a high-priority basin that is subject to critical conditions of overdraft. The groundwater sustainability agency for the Tulare Lake Subbasin adopted a groundwater sustainability plan (GSP) for the Subbasin on January 29, 2020, and submitted the plan to DWR for review. On March 2, 2023, DWR determined the GSP for the Tulare Lake Subbasin to be

*continued on next page*

### Governor Newsom Completes Annual Review of Legislation

California will have nearly 900 new laws taking effect next January following the close of the first year of the biannual legislative session in Sacramento.

Governor Newsom signed 890 bills this year and vetoed 156, which was fewer than in 2022, when the governor signed 997 and vetoed 169. According to Sacramento lobbyist Chris Micheli, who annually tracks legislative statistics, Newsom's veto rate stayed nearly the same at just over 14%. Of the 891 Senate bills introduced in 2023, 330 became law and 51 were vetoed. There were 1,771 Assembly bills this year and 560 of those became law and 105 of them were vetoed.

Three bills of interest to Valley Ag Water Coalition (VAWC) reached the Governor's desk following the adjournment of the legislation session on September 14. VAWC held no position on one, and sought a veto of the other two.

"Considering the onslaught of legislation introduced earlier this year that sought to significantly change water rights administration and enforcement statutes, the Sustainable Groundwater Management Act, and comprehensive adjudication proceedings, only two bills VAWC opposed reached Governor Newsom," said Bob Reeb, VAWC Executive Director.

*See Annual Review, page 2*

### State Water Board Releases Report for Bay Delta Plan Updates

On September 28, 2023, the State Water Resources Control Board (State Water Board) released the long-awaited Draft Staff Report/Substitute Environmental Document (Draft Report) in support of possible updates to the Bay-Delta Water Quality Control Plan (Bay-Delta Plan). The nearly 6,000-page report marks a crucial milestone in the decades-long efforts to update the Bay-Delta Plan and triggers a public review process that is likely to continue into 2024.

The Bay-Delta has been in a prolonged state of decline. Changes in land use due to agricultural practices, urbanization, and flood control, combined with the development of water infrastructure projects, have been accompanied by significant declines in nearly every species of native fish. Such declines in fish species have continued and worsened, particularly during sustained periods of drought,

*See Bay Delta Plan, page 4*

## Inside Sacramento Report

California Court of Appeals Dismisses Challenges to Delta Plan .....	5
PPIC Releases Report on San Joaquin Valley Water & Farmland .....	6

## NEWS BRIEFS *continued*

“inadequate” triggering “state intervention” with the Board. Board staff has developed a draft recommendation for the Board to consider, which describes the actions staff recommends the Board should take. Public comment on the [draft staff report](#) may be submitted no later than December 11, 2023, at 12:00 noon for consideration in the development of the final staff report.

Board staff will hold a virtual workshop on [November 3](#), followed by an in-person workshop on [November 8](#), to explain the draft staff report and share more about how to participate in the Board’s state intervention process. Verbal public comments will be accepted at the workshops.

The Board is expected to consider designating the Tulare Lake Subbasin as a probationary basin at their April 16, 2024 meeting.

### **Flood-MAR Forum**

The Flood-MAR Network invites you to join them on November 7 & 8, 2023 for the [4th biennial Flood-MAR Forum](#) at the CSUS Harper Alumni Center in Sacramento. At the forum, the Department of Water Resources will explore technical, socioeconomic, regulatory, and policy considerations to advance implementation of projects that use floodwaters for managed aquifer recharge (Flood-MAR).

### **CA Financing Committee Virtual Funding Fair**

The California Financing Coordinating Committee (CFCC) conducts free funding fairs

*continued on next page*

## *Annual Review, continued from page 1*

AB 753 by Assembly Member Diane Papan (D-San Mateo) would create the Waterway Recovery Account within the Waste Discharge Permit Fund, and would annually transfer from the State Water Pollution Cleanup and Abatement Account 40% of the annual proceeds to the Waterway Recovery Account. The bill would provide that moneys in the account created by the bill are continuously appropriated to the state board without regard to fiscal years. The bill would require the state board to allocate the Waterway Recovery Account moneys to each regional board on a proportional basis, based on moneys generated in each region, and would require the regional boards to allocate those moneys to third parties for restoration projects, as specified, with priority given to third parties that will undertake projects with multiple benefits that provide greenspace within disadvantaged communities.

Existing law authorizes the imposition of civil penalties for violations of certain waste discharge requirements and requires that penalties be deposited into the Waste Discharge Permit Fund, to be expended by the state board, upon appropriation by the Legislature, for specified purposes related to water quality. For violations of certain other waste discharge requirements, including the violation of a waste discharge requirement effluent limitation, existing law imposes specified civil penalties, the proceeds of which are deposited into the continuously appropriated State Water Pollution Cleanup and Abatement Account.

VAWC opposed AB 753 because projects that provide greenspace within disadvantaged communities do not rise to the level of addressing significant threats to the environment or public health and safety. AB 753 would redirect an existing essential funding source for the state board and regional boards to respond to immediate environmental and public health threats. VAWC argued that while the development of urban greening projects may provide public health and climate resiliency benefits; they should be funded with a more appropriate source of funds.

Governor Newsom vetoed AB 753, writing that while he appreciated the author’s intent to improve clean up of local waterways in disadvantaged communities, “this bill reallocates revenue from an oversubscribed fund that is utilized to clean up waste, abate the effects of waste on waters of the state, and address urgent drinking water needs. This funding represents a critical need and we cannot afford to redirect it to a new account. For this reason, I cannot sign this bill.”

The Governor signed into law the other bill on his desk opposed by VAWC, AB 779 by Assembly Member Lori Wilson (D-Suisun City). AB 779 would modify the responsibilities of the parties and the trial court involved in a comprehensive groundwater adjudication proceeding. The bill would require the court to appoint one party to forward all case management orders, judgments, and interlocutory orders to a groundwater sustainability agency within 10 business days of issuance. The bill would require the court to allocate payment of the costs incurred by the party among the parties in an amount and a manner that the court deems equitable. AB 779 would require the groundwater sustainability agency to post the documents on its internet website in the interest of transparency and accessibility within 20 business days of receipt from a party.

AB 779 would authorize the court to refer the matter to the State Water Resources Control Board for investigation and report in order to assist the court in making findings that support a judgment in a comprehensive adjudication. Finally, the bill would require the court to consider the water use of and accessibility of

*See Annual Review, page 3*



water for small farmers and disadvantaged communities before entering a judgment.

“Comprehensive groundwater adjudications are complex, lengthy, and expensive legal proceedings,” VAWC wrote to the Governor. “AB 779 will impose additional costs on the parties for posting documents that are already publicly available on the trial court’s Internet web site. Groundwater sustainability agencies are already burdened with implementing groundwater sustainability plans, working with groundwater pumpers, and coordinating with other agencies in their planning area. The added burden of obtaining and posting court documents on their Internet web site, should they even maintain one, would be an unwelcome one.”

VAWC also argued that AB 779 will result in substantial delays in the adjudication proceedings to the extent that a court refers the matter to the State Water Resources Control Board to investigate and report as to whether a proposed judgment criteria set forth in existing law. VAWC wrote that it is unlikely that the State Board or Department of Water Resources have the staff capacity or expertise to conduct such an investigation and prepare a report with findings of its own. Any differences between the proposed judgment and the State Board/DWR report findings could result in renewed evidentiary proceedings being conducted by the court.

“AB 779 does not address the costs that either state entity would incur to conduct the investigation and prepare a report,” Reeb noted. “Of greater importance to the parties, AB 779 does not impose a time limit on the State Board or DWR within which the work must be completed—thus increasing the time required to complete a comprehensive adjudication proceeding.”

The final bill of interest to VAWC was SB 389 by Senator Ben Allen (D-Santa Monica), which the Governor signed into law. The legislation initially was one of three water rights bills opposed by VAWC, ACWA and other statewide organizations. The opposition coalition was able to stop the bill on the Senate Floor, forcing Senator Allen to acquiesce to amendments to keep his legislation alive. In the end, the opposition coalition amendments were accepted by the Senator in the Assembly and opposition to the bill was removed.

SB 389 authorizes the board to investigate and ascertain whether or not a water right is valid. The bill would authorize the board to issue an information order in furtherance of an investigation. In furtherance of an investigation, the board may issue an information order, as executed by the executive director of the board. The information order may be issued to a water right holder or claimant to provide the following information related to a diversion and use of water:

Information required to be reported pursuant to Part 5.1 (commencing with Section 5100).

- Information concerning the basis of the water right claimed.
- Information related to the patent date claimed for the place of use if the claimed right is a riparian right.
- Information concerning the notice date of the appropriation and the date of actual delivery of water to beneficial use.
- Information concerning prior diversions and use, including direct diversions and diversions to storage.

statewide each year to educate the public and offer potential customers the opportunity to meet with financial representatives from each agency to learn more about their available funding. CFCC members facilitate and expedite the completion of various types of infrastructure projects by helping customers combine the resources of different agencies. Project information is shared between members so additional resources can be identified.

The next CFCC virtual funding fairs will take place on [November 1, 2023](#) and [November 8, 2023](#). Presentations will be held from 9 a.m. to 11:00 a.m. on both days and participants can visit virtual booths from 11:00 a.m. to 12 p.m. to meet with representatives.

The CFCC will conduct an [in-person funding fair](#) on November 14, from 1:00pm to 4:00pm, at the Southern California Edison Energy Education Center [4175 South Laspina Street, Tulare, CA, 93274]. The in-person funding fair will focus on direct interaction between attendees and funding agency representatives. Agency representatives will present available funding, while attendees will be able to discuss specific projects, and have the opportunity to ask questions about funding programs and resources.

### **\$187M Awarded to Sustainable Groundwater Projects**

The Department of Water Resources (DWR) Sustainable Groundwater Management Grant Program has [awarded more than \\$187 million](#) to

## NEWS BRIEFS *continued*

enhance groundwater monitoring, water use efficiency, groundwater recharge, recycled water, and water quality. The funding will go to [103 projects in 32 groundwater subbasins](#) throughout the state. More than \$32 million in grants will go to the San Joaquin Valley.

### **Flood-MAR Forum Set for November**

A [two-day forum](#) on the recent lessons and success stories of flood-managed aquifer recharge (Flood-MAR) will be held Tuesday, Nov. 7, in Sacramento. Presentations will cover the ways Flood-MAR implementation benefits communities, ecosystems, and agriculture. [Early bird registration rates](#) will be available through Monday, Oct. 16. The forum follows the launching of an updated [Flood-MAR Hub website](#) that includes [new resources](#).

### **Water Adaptation Atlas Available for Five States**

The U.S. Department of Agriculture has put together a searchable atlas that focuses on efforts to deal with water scarcity and drought. The [Water Adaptation Techniques Atlas](#) contains more than 180 case studies from Arizona, California, New Mexico, Nevada, and Utah. The studies cover a variety of water topics, including recharge methods.

### **Future Scenarios Report and Data Explorer Released by DWR**

A future scenarios report, that is a supporting document for [California Water Plan Update 2023](#), has been released by the Department of Water

*continued on next page*

## *Annual Review, continued from page 3*

SB 389 requires that the burden of any order issued, including costs, must bear a reasonable relationship to the need for the requested information and the benefits to be obtained from the board receiving that information. In making a request, the board would be required provide the person to whom the request is directed with a written explanation with regard to the need for the information, and identify the evidence that supports requiring that person to provide the information. Finally, SB 389 provides that a diversion or use of water ascertained to be unauthorized may be enforced as a trespass under Section 1052, following notice and opportunity for hearing as required under Section 1052, Section 1055, or Article 2 (commencing with Section 1831) of Chapter 12 of Part 2.

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## *Bay Delta Plan, continued from page 1*

including the 2012 – 2016 and 2020 – 2022 droughts. Updates to the Bay-Delta Plan, however, have taken decades to adopt, let alone implement, with the last major update to the Bay-Delta Plan occurring in 1995. Some recent amendments were made in 2018 for Lower San Joaquin flows and southern Delta salinity.

The draft staff report is an environmental document that fulfills the requirements of the California Environmental Quality Act (CEQA), State Water Board regulations, and the Porter-Cologne Water Quality Control Act. It provides scientific information to support possible updates and information on the potential benefits and environmental, economic, and associated mitigation measures for possible alternatives for updating the Sacramento/Delta portions of the Bay-Delta Plan. The report assesses several alternatives that the State Water Board may consider adopting, including stand-alone alternatives based on flow scenarios evaluated in previous reports; proposed voluntary agreements alternatives; and several modular alternatives that would add to or modify stand-alone alternatives outlined in the report.

Utilizing both qualitative and quantitative approaches, the report provides a thorough analysis of the potential environmental impacts of adopting and implementing possible updates to the Bay-Delta Plan. Simulations were used to compare potential impacts to specified baseline conditions. These analyses were organized into four main categories: (1) impacts of changes in hydrology; (2) impacts of changes in water supply; (3) impacts of habitat restoration and other ecosystem projects; and (4) the impacts of constructing new or modified facilities. Additionally, other modeling and technical analyses were utilized to evaluate the environmental and economic impacts of individual projects and plan alternatives.

The release of the draft staff report builds on recent activities by the State Water Board to update the Bay-Delta Plan, such as the release Draft Final Initial Biological Goals for fall-run Chinook salmon in the lower San Joaquin River and its three salmon-bearing tributaries, the Stanislaus, Tuolumne, and Merced Rivers (LSJR) in August 2023; and the release of the Draft Scientific Basis Report in January 2023. While the staff report provides a description of possible changes to the Bay-Delta Plan for each alternative, the specific changes or the program of implementation have not been developed yet. These changes will be developed based on public comments on the report and other information.

Written comments on the draft staff report are due to the State Water Board no later than **December 15, 2023**. Public hearings for oral comments on the report

*See [Bay Delta Plan](#), page 6*



will also be heard on **November 17, December 1, and December 11, 2023**. Additional information is available on the State Water Board's Bay-Delta Plan [webpage](#).

After considering the comments received on the draft Staff Report, as well as other relevant information outlined in the Board's prepared [FAQ document](#), the State Water Board staff will develop and circulate draft proposed Sacramento/Delta changes to the Bay-Delta Plan, including the program of implementation (collectively referred to as Plan amendments), and will hold a public workshop to receive input. Draft language is anticipated to be released for public review and comment in early to mid-2024.

These draft Bay-Delta Plan amendments will include the specific draft regulatory text for the Sacramento/Delta updates to the Bay-Delta Plan itself and will be subject to a full public process. The input received on the draft Staff Report and the draft Plan amendments will inform the final Staff Report and final proposed Bay-Delta Plan amendments, which will be brought before the State Water Board for consideration at a future Board meeting.

Adopted in 1978, the Bay-Delta Plan established water quality objectives intended to protect "beneficial uses" in the Bay-Delta and its source rivers. Beneficial uses identified in the Plan include municipal and domestic water supply, agricultural water supply, groundwater recharge, recreation, and fish and wildlife habitat. Water quality objectives in the Bay-Delta Plan include salinity and dissolved oxygen measurements, water export limits, and flow requirements. The plan details implementation methods, such as monitoring and compliance actions, in order to achieve these water quality objectives.

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## **PPIC Releases Report on San Joaquin Valley Water & Farmland**

The impacts of implementing the 2014 Sustainable Groundwater Management Act (SGMA) continue to loom over the San Joaquin Valley in the form of water scarcity and land fallowing. Even in the best case scenario, some 500,000 acres of farmland will likely need to be fallowed to implement SGMA. New research released by the Public Policy Institute of California (PPIC), however, outlines how the San Joaquin Valley could weather the incoming challenges it faces as SGMA progresses in the region.

The PPIC report, *Managing Water and Farmland Transitions in the San Joaquin Valley*, concludes that a combination of water trading, accelerated land repurposing efforts, increased regional coordination, infrastructure investments, and financial incentives, will be key to securing the San Joaquin Valley's success.

The establishment of water trading would serve to buffer the economic costs of reaching sustainability in the valley and facilitate more strategic decisions about which lands to repurpose. With groundwater sustainability agencies (GSAs) possessing the authority to establish groundwater markets, the report notes that they should do so with strong groundwater accounting and monitoring systems and pumping allocations. The report asserts GSAs could benefit from the establishment of transparent trading results and platforms with guardrails avoiding significant undesirable results. The report further asserts that cooperative approaches will be critical to implementing the most beneficial SGMA strategies. Though SGMA has resulted in several partnerships, much of the work to date has focused

*See [PPIC Data](#) page 6*

Resources (DWR). [From Climate Traces to Climate Insights: Future Scenarios Analysis for the California Central Valley](#) uses a decision-scaling approach to quantify potential climate-related vulnerability and risks based on six aspects of water management. Data used for the report are available on the [Future Scenarios Interactive Data Explorer](#).

## **DWR Releases Interconnected Surface Water Fact Sheet**

A plan for providing guidance on the technical aspects of interconnected surface water (ISW) has been released in a [new fact sheet](#) from the Department of Water Resources (DWR). The first phase will include topic papers discussing the depletion of ISW because of pumping. The second phase will focus on approaches to establish sustainable management criteria based on local conditions. The final version of that report is expected to be released next summer.

## **Data for Lunch Will Feature GAMA's Data and Tools**

The California Water Data Consortium's [Data for Lunch series](#) will continue next month with a presentation on the State Water Resources Control Board's [Groundwater Ambient Monitoring and Assessment \(GAMA\) Program](#). The online event, on Tuesday, Oct. 24, will focus on the GAMA data and tools that can be used to address many groundwater issues.

## **SFEWS Vol. 21 Issue 3 Now Online**

San Francisco Estuary & Watershed Science has a new issue online. This issue contains articles such as "Priority Bird

*continued on next page*

## NEWS BRIEFS *continued*

Conservation Areas in California's Sacramento–San Joaquin Delta,” “A Qualitative Comparison of Spawning Behavior Between Cultured and Wild Delta Smelt.” and many more. The latest issue of SFEWS can be found [HERE](#).

## UPCOMING MEETINGS

### State Water Resources Control Board

October 19, 2023; 9:30am  
Remote Participation Only  
(Registration required)  
[Notice](#), [Webcast](#)

### Water Quality Coordinating Committee

October 23-24, 2023; 9:30am  
Joe Serna Jr. - CalEPA Building  
1001 I St., Coastal Hearing Rm  
Sacramento, CA 95814  
[Notice](#), [Agenda](#), [Webcast](#)

### Delta Stewardship Council

October 26, 2023; 9:00am  
CA Natural Resources Agency  
715 P Street, Room 221  
Sacramento, CA 95814  
[Agenda](#), [Webinar](#)  
Dial-in: 1(669) 444-9171  
Webinar ID: 859 1604 4050

### Central Valley Flood Protection Board

October 27, 2023; 9:00am  
Sacramento City Hall  
915 I Street, Council Chambers  
Sacramento, CA 95814  
[Agenda/Participation Guide](#)

### State Water Resources Control Board

November 2, 2023; 9:30am  
Remote Participation Only  
(Registration required)  
[Notice](#), [Webcast](#)

*continued on next page*

## PPIC Data, *continued from page 5*

on planning within the jurisdictions of individual GSAs. Instead, GSAs should start working with local land use authorities, and energy and wildlife agencies, to create a broader, regional view to make strategic decisions around farmland repurposing.

Several potential benefits and challenges associated with repurposing farmland are also investigated. The report ultimately finds that nearly 330,000 high-risk acres of farmland in the San Joaquin Valley would be suitable for solar energy development, water-limited cropping, or upland habitat restoration. Benefits from such repurposing activities could range from replacing lost revenues and jobs from land fallowing, dust management, and ecosystem health. The report also finds that the state will need to make new investments in the region's water infrastructure to improve the region's ability to capture and store additional water, and to move water to where it is needed the most.

The report also recommends several regulatory and fiscal incentives that need to be aligned with SGMA's goals. These include: allowing growers access to water rights on transitioning lands; establishing consistent rules for managing dust on fallowed land; providing legal assurances for habitat conversions; reevaluating California Environmental Quality Act (CEQA) requirements for protecting prime farmland; and relaxing CEQA requirements for implementing groundwater sustainability plans. Finally, the authors note that state and federal funding will be a “key ingredient” in ensuring a smooth transition and highlight that none of the actions required to sustain the San Joaquin Valley can pay for themselves.

This report builds on previous research and data on the San Joaquin Valley released in the past few years. In 2022, PPIC published a report outlining the possibility of repurposing thousands of acres of future fallowed farmland into land for solar development. PPIC also released data earlier this year on the impacts of SGMA's implementation and growing water scarcity, and data relating to farm size across the valley. In February 2023, the PPIC also published a policy brief, “The Future of Agriculture in the San Joaquin Valley.”

For the full report, please visit the PPIC's [webpage](#).

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## California Court of Appeals Dismisses Challenges to Delta Plan

September 29, 2023 – The California Court of Appeal has dismissed the remaining appeal challenging the state's long-term management plan for the Sacramento-San Joaquin Delta, the Delta Plan. The appeal, dismissed on September 1, 2023, was filed following a November 4, 2022, Sacramento County Superior Court decision in favor of the Delta Stewardship Council (DSC or Council). All suits were terminated with strong decisions in favor of the Council's authority to develop, amend, and implement the Plan.

“The Court's decision affirms the Council's authority and role,” said DSC Chair Virginia Madueño. “I look forward to building stronger relationships with stakeholders to ensure the long-term sustainability of the Delta.”

The Delta Reform Act of 2009 established a new governance approach for the Sacramento-San Joaquin Delta that focused on achieving the co-equal goals of protecting, restoring, and enhancing the Delta ecosystem, and providing a more reliable water supply for California. The act also created the DSC and gave it the

See [Dismisses Challenges](#), page 7



## *Dismisses Challenges, continued from page 6*

direction and authority to serve two primary governance roles: (1) set a comprehensive, legally enforceable direction for how the State manages important water and environmental resources in the Delta through the adoption of the Delta Plan, and (2) ensure the coherent and integrated implementation of that direction through coordination and oversight of State and local agencies proposing to fund, carry out, and approve Delta-related activities.

The Delta Plan was first adopted in 2013, containing 14 regulatory policies with which State and local agencies were required to comply and 73 specified non-regulatory recommendations. Collectively, these policies and recommendations address current and predicted challenges related to the Delta's ecology, flood management, land use, water quality, and water supply reliability. The Delta Plan's policies and recommendations are based on the best available science and depend on cooperation and coordination among federal, State, and local agencies. The Delta Plan has been amended at least four times since its introduction, including amendments relating to performance measures, single-year transfers, conveyance, storage, and operations.

Since adopting the Delta Plan, however, the DSC has been continuously plagued by an assortment of lawsuits, largely filed by environmental groups. For example, in 2013, AquAlliance and Friends of the River filed a suit claiming that the Delta Plan failed to incorporate flow criteria and analyze the impacts of the twin tunnel project on the environment. In the same year, another suit by the North Coast Rivers Alliance, Pacific Coast Federation of Fisherman's Associations and other groups claimed the plan accommodated unsustainable increases in water exports from the Delta. Later suits, such as those filed by several environmental groups in 2018, contended that the Council violated the Delta Reform Act and the California Environmental Quality Act when it amended the plan to give construction of the tunnels priority over restoring the Delta.

"After a decade of litigation over the Delta Plan, the Council's authority to apply its leadership and expertise in managing the Delta is triumphantly clear," said Executive Officer Jessica R. Pearson. "It's time to set past differences aside and work together with a sense of urgency to ensure a resilient future for the Delta that benefits all Californians."

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*Sacramento Report is published monthly by Reeb Government Relations, LLC  
1415 L Street, Suite 870, Sacramento, CA 95814, e-mail: [bobr@water-warrior.com](mailto:bobr@water-warrior.com)*

## **Valley Ag Water Coalition**

*The mission of the Valley Ag Water Coalition is to represent the collective interests of its San Joaquin Valley member agricultural water companies and agencies in California legislative and regulatory matters by providing leadership and advocacy on issues relating to the development and delivery of a reliable farm water supply.*

## **UPCOMING MEETINGS**

*continued*

### **State Water Resources Control Board**

November 3, 2023; 11:00am  
Remote Participation Only  
[Notice](#), [Webcast](#)

### **Delta Plan Interagency Implementation Committee**

November 7, 2023  
Location TBA  
[Agenda](#) (Not Yet Posted):

### **State Water Resources Control Board**

November 8, 2023; 6:00pm  
Hanford Civic Auditorium  
400 N Douty Street  
Hanford, CA 93230  
[Notice](#), [Webcast](#)

### **California Water Commission**

November 15, 2023; 9:30am  
Location TBA  
[Agenda](#) (Not Yet Posted)

### **Central Valley Flood Protection Board**

November 17, 2023; 9:00am  
Sacramento City Hall  
915 I Street, Council Chambers  
Sacramento, CA 95814  
[Agenda and Participation Guide](#)  
(Not Yet Posted)

### **State Water Resources Control Board**

November 17, 2023; 9:30am  
Joe Serna Jr. CalEPA Building  
1001 I St., Coastal Hearing Rm  
Sacramento, CA 95814  
[Notice](#), [Webcast](#)  
Oral comments (registration required by Nov. 3)



Meeting: **Joint Sites Reservoir Committee & Authority Board**

**October 20, 2023  
9:00 AM – Noon**

Locations: [Click here to join the meeting](#)

122 Old Hwy 99W, Maxwell, CA 95955

See additional locations below.

Call in: **1-916-538-7066**

Code: **916 475 053#**

- Authority Board Chair: Fritz Durst (Reclamation District 108)
- Authority Board Vice Chair: Jeff Sutton (Tehama-Colusa Canal Authority)
- Reservoir Committee Chair: Valerie Pryor (Zone 7 Water Agency)
- Reservoir Committee Vice-Chair: Mike Azevedo (Colusa County)
- Treasurer: Jamie Traynham (Davis Water District)

## **AGENDA**

### **ROLL CALL & CALL TO ORDER:**

- Introductions.
- Pledge of Allegiance.
- Approval of October 20, 2023, Joint Meeting Agenda.
- Announcement of Closed Session.
- Period for Public Comment.

*Any person may speak about any subject of concern, provided it is within the Reservoir Committee’s and Authority Board’s jurisdiction. Before speaking, you must submit a public comment card either electronically or on paper. The time allotted for receiving such public communication shall be 3 minutes per person. Note: No action shall be taken on comments made during this period.*

### **1. Consent Agenda**

Approximate start time 9:10 am

*The Executive Director reviewed the following items. To his knowledge, there is no opposition to the action. The items can be acted on in one consolidated motion as recommended or may be removed from the Consent Calendar and separately considered at the request of any person. Each item indicates the body authorized to approve such actions according to the JPA, Bylaws and Project Agreement.*

- 1.1 Reservoir Committee and Authority Board consider approval of September 22, 2023, Joint Reservoir Committee and Authority Board Meeting Minutes. **(Attachments A & B)**
- 1.2 Reservoir Committee and Authority Board consider acceptance of the Sites Project Authority Treasurer’s Report. **(Attachment A & B)**









## Joint Reservoir Committee & Authority Board Meeting    October 20, 2023

request the necessary accommodation. Please make your request to the Board Clerk, specifying your disability, the format in which you would like to receive this Agenda and any other accommodation required no later than 24 hours before the start of the meeting.

This meeting will be recorded.

### **Alternate Meeting Locations:**

City of American Canyon, 4381 Broadway Street, American Canyon, CA 94503

Desert Water Agency, 1200 S. Gene Autry Trail, Palm Springs, CA 92264

Irvine Ranch Water District, 15600 Sand Canyon Avenue, Irvine, CA 92618

Metropolitan Water District, 1121 L Street, Suite 900, Sacramento, CA 95814

Rosedale-Rio Bravo Water Storage District, 849 Allen Road, Bakersfield, CA 93314

San Geronio Pass Water Agency, 1210 Beaumont Avenue, Beaumont, CA 92223

Santa Clarita Valley Water Agency, 26501 Summit Circle, Santa Clarita, CA 91350

Wheeler Ridge-Maricopa Water Storage District, 12109 Highway 166, Bakersfield, CA 93313

**For Immediate Release:**

November 6, 2023

Contact: Ann Newton

(310) 774-7639

## **California Certifies Sites Reservoir Under Senate Bill 149 for Streamlined Judicial Review**

*Decision Saves Time and Reduces Cost While Ensuring Key Environmental Safeguards*

Maxwell, CA – The Sites Reservoir Project was certified today by Governor Newsom under Senate Bill 149. Signed by Governor Newsom earlier this year, SB 149 streamlines efforts for Governor-certified projects like Sites Reservoir to avoid months or even years of California Environmental Quality Act (CEQA) litigation delays.

The Sites Project Authority would like to commend and thank Governor Newsom for wasting no time in acting on the legislation enacted earlier this year to expedite critically important infrastructure.

Sites is the first project to receive the Governor’s SB149 certification. In announcing his certification, the Governor commented “We’re cutting red tape to build more faster. These are projects that will address our state’s biggest challenges faster, and the Sites Reservoir is fully representative of the goal – making sure Californians have access to clean drinking water and making sure we’re more resilient against future droughts.”

“SB 149 provides a needed opportunity for essential water projects to move from planning to reality without years of legal delays,” said **Fritz Durst, chairman of the Sites Project Authority**. “Sites Reservoir has gone through a rigorous environmental review process and the project we are considering today will help the state meet key climate change goals and create a more resilient water supply for Californians and the environment.”

Earlier this year, the Authority applied for certification and provided detailed information on the Sites Project and how we are complying with each requirement in Senate Bill 149. The Authority is committed to fulfill its obligations under the applicable provisions of the law.

The streamlining provisions for certified projects include a 270-day judicial review period for a CEQA case, including all appeals, as feasible, and a requirement that public agencies prepare and certify the record of proceedings within five days of certification of the project.

Sites Reservoir provides an unprecedented opportunity to help the State maintain a resilient water supply in the face of climate change, extreme weather, and water scarcity. The locally led, multi-benefit, off-stream water storage project would responsibly capture and store Sacramento River water during high river flow events—after all other water rights and regulatory requirements are met— and make that water available to California’s environment, communities, and farms when it’s most needed – especially during times of drought. Sites Reservoir would have water storage capacity of approximately 1.5 million acre-feet, which is enough water to serve the water needs of approximately 3 million homes for a year. California can and must utilize all tools in our collective toolbox of measures to adjust and continue to prosper in the face of the growing challenges presented by climate change.

*Sites is an off-stream reservoir proposed north of the Sacramento-San Joaquin Delta, where it would provide unique water supply and environmental benefits during dry periods, especially during extended drought. Additional information can be found at [www.sitesproject.org](http://www.sitesproject.org) or on Facebook and Twitter at @SitesProject.*

###



**EXECUTIVE DEPARTMENT  
STATE OF CALIFORNIA**

**GOVERNOR'S CERTIFICATION FOR JUDICIAL STREAMLINING OF  
THE SITES RESERVOIR PROJECT**

I, **GAVIN NEWSOM**, Governor of the State of California, in accordance with the authority vested in me by Senate Bill 149 (Chapter 60, Statutes of 2023), Public Resources Code Section 21189.80 et seq., make the following determinations:

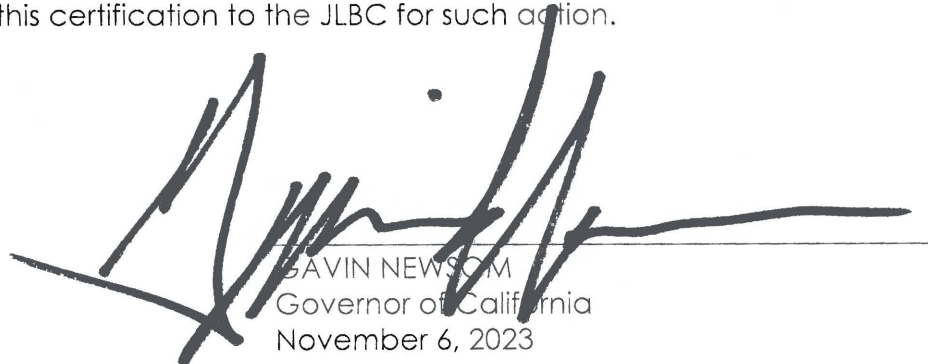
The Sites Reservoir Project (Project) would involve the construction, operation, and maintenance of an offstream surface water reservoir west of the community of Maxwell, California. The reservoir would store unappropriated flow of up to approximately 1.5 million acre-feet of water from the Sacramento River to help California maintain a resilient water supply in the face of climate change, weather extremes, and water scarcity. A copy of the Project's application, which contains information supporting this certification, is attached as Exhibit 1. All materials associated with this application are available online at:  
<https://opr.ca.gov/ceqa/judicial-streamlining/infrastructure-streamlining.html>.

As set forth below, the Project applicant has demonstrated that the Project meets all requirements to be eligible for certification for judicial streamlining.

1. Project Applicant: The Sites Joint Powers Authority
2. Project Description: The applicant proposes to build, operate, and maintain an offstream surface water reservoir with a potential capacity of approximately 1.5 million acre-feet west of the community of Maxwell, California. The Project would capture and store water from the Sacramento River during high flows— after all other water rights and regulatory requirements are met— and make that water available to California's environment, communities, and farms when it is most needed – especially during times of drought. There are currently 22 Storage Partners representing local and regional water delivery agencies that serve over 24.5 million people and over 500,000 acres of farmland that are paying for the Project and would receive the resulting water supply benefits.
3. CEQA Lead Agency: The Sites Joint Powers Authority (National Environmental Policy Act Lead Agency: U.S. Department of the Interior, Bureau of Reclamation)
4. This Project meets the criteria set forth in Public Resources Code Section 21189.81, Subdivision (h)(1)(B)(i). It is a water storage project funded by the California Water Commission pursuant to Chapter 8 (commencing with Section 79750) of Division 26.7 of the Water Code. (Exhibit 1, Section 2.1, pg. 16).
5. This Project meets the criteria set forth in Public Resources Code Section 21189.81, Subdivision (h)(1)(B)(ii). The applicant has provided information establishing that the Project will minimize the intake or diversion of water except during times of surplus water and prioritizes the discharge of water for ecological benefits or to mitigate an emergency, including, but not limited to, dam repair, levee repair, wetland restoration, marshland restoration, or habitat preservation, or other public benefits described in Section 79753 of the Water Code. (Exhibit 1, Section 2.2, pg. 17-20).
6. This Project meets the criteria set forth in Public Resources Code Section 21189.81, Subdivision (h)(2). The applicant has agreed the Project will comply with the applicable provisions of Chapter 1 (commencing with Section 1720) of Part 7 of Division 2 of the Labor Code. (Exhibit 1, Section 2.3, pg. 20).
7. This Project meets the criteria set forth in Public Resources Code Section 21189.81, Subdivision (h)(3). The Project does not include the design or construction of through-Delta conveyance facilities of the Sacramento-San Joaquin Delta. (Exhibit 1, Section 1.2, pg. 6-13).

8. This Project meets the criteria set forth in Public Resources Code Section 21189.82, Subdivision (a)(4)(B)(i). The applicant has agreed to pay the costs of the trial court and the court of appeal in hearing and deciding any case challenging the Sites Joint Powers Authority's action under Division 13 of the Public Resources Code, including payment of the costs for the appointment of a special master if deemed appropriate by the court, in a form and manner as required. (Exhibit 1, Section 2.4, pg. 20).
9. This Project meets the criteria set forth in Public Resources Code Section 21189.82, Subdivision (a)(4)(B)(ii). The applicant has agreed to pay the costs of preparing the record of proceedings for the project concurrent with the review and consideration of the project. (Exhibit 1, Section 2.5, pg. 21).
10. This Project meets the criteria set forth in Public Resources Code Section 21189.82, Subdivision (a)(4)(B)(iii). The applicant has demonstrated that the record of proceedings is being prepared in accordance with Section 21189.86. (Exhibit 1, Section 2.6, pg. 21-23).
11. This Project meets the criteria set forth in Public Resources Code Section 21189.82, Subdivision (a)(4)(C). The applicant has demonstrated that greenhouse gas emissions resulting from the project will be mitigated to the extent feasible. (Exhibit 1, Section 2.7, pg. 24-26, and attachment C).
12. This Project meets the criteria set forth in Public Resources Code Section 21189.82, Subdivision (c). The applicant has agreed to enter into a binding and enforceable agreement to comply with Section 21189.82, Subdivision (c) in its application prior to the lead agency's certification of the environmental impact report for the Project. Specifically, the applicant has committed to avoid or minimize significant environmental impacts in any disadvantaged community, and to mitigate any significant environmental impacts to disadvantaged communities with mitigation measures that are undertaken in, and directly benefit, the affected community. (Exhibit 1, Section 2.8, pg. 27-41).

Therefore, I hereby certify that the Sites Reservoir Project is an eligible water-related project infrastructure project pursuant to Senate Bill 149 (Chapter 60, Statutes of 2023), Public Resources Code Section 21189.80 et seq. Pursuant to statute, this certification must be submitted to the Joint Legislative Budget Committee (JLBC) for concurrence or nonconcurrence; I therefore instruct the Director of the Office of Planning and Research to transmit this certification to the JLBC for such action.



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GAVIN NEWSOM  
Governor of California  
November 6, 2023