Rosedale-Rio Bravo Water Storage District
Groundwater Sustainability Agency –
Stakeholder Advisory Committee Meeting
Tuesday, March 31st, 2026, at 9:00 am

Location: Rosedale-Rio Bravo WSD Board Room
849 Allen Rd. Bakersfield, CA 93314

To virtually attend the meeting and to be able to view any presentations or additional materials provided at the meeting, please join online using the link and information below:
https://us02web.zoom.us/j/81421911119?pwd=WaMZkE48W1nIJExdNLRuyufuqj3I4f.1

Telephone Dial-in: (669) 900-6833
Meeting ID: 814 2191 1119
Password: 329439

AGENDA

1) Sustainability Management Criteria Status Update
   a. Levels (MN)
   b. Quality (RE)
   c. Subsidence (RE)

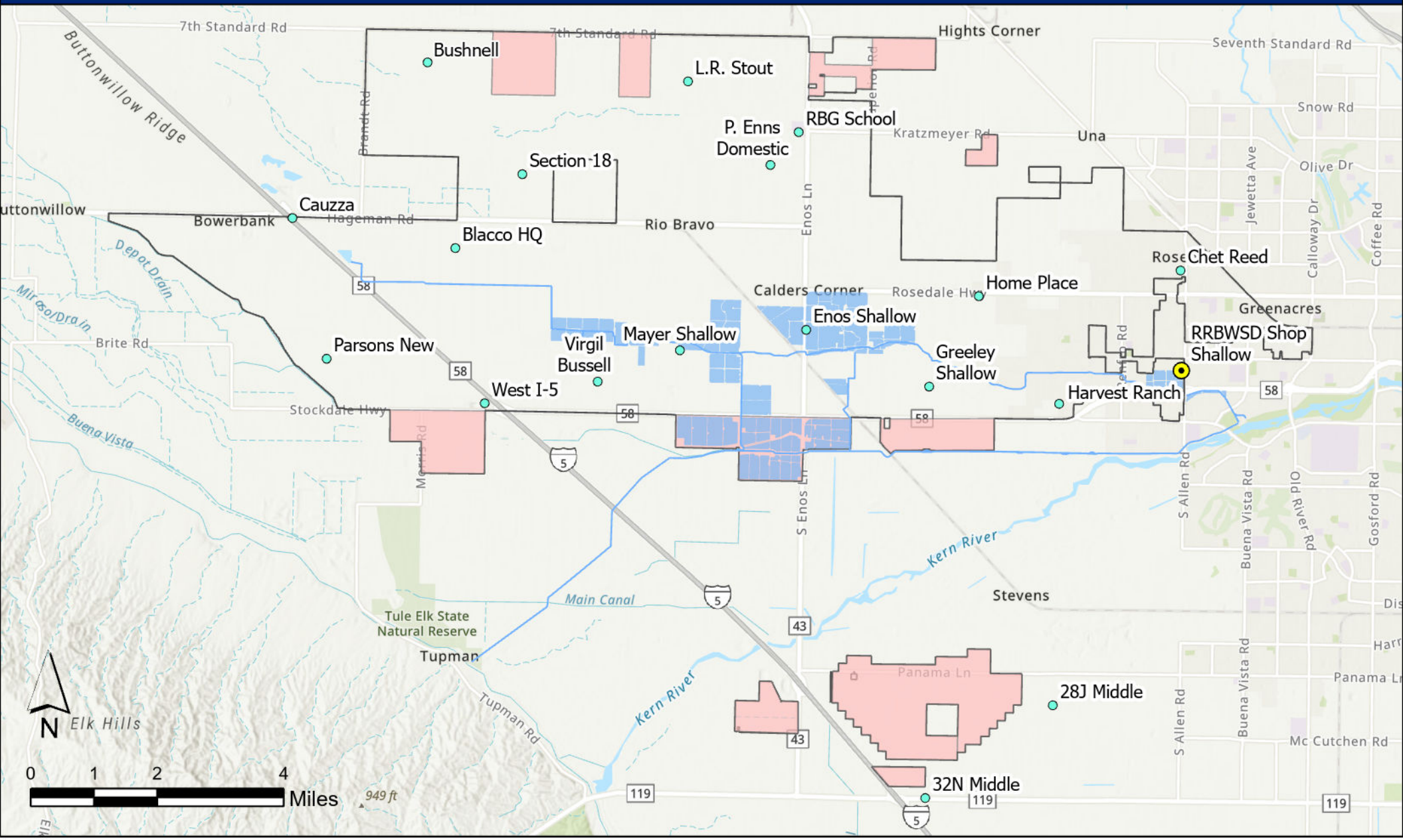
2) Project Implementation (Implemented/In-Process/As-Needed)
   a. RRB-3: McCaslin/Dillard Recharge Improvements Phase 2 (RE/MN)
   b. RRB-4: Kern Fan Project (DB)
   c. RRB-5: Onyx Project (DB)
   d. RRB-6: Sites Reservoir (TT)
   e. RRB-7: South Valley Project (DB)
   f. RRB-11: Delta Conveyance Project (TT)
   g. KSB-1: Friant Kern Canal Capacity Mitigation (DB)

3) Management Action Implementation (Implemented/In-Process/As-Needed)
   a. RRB-12: Project Recovery Operations Plan (DB)
   b. RRB-13: White Land Imbalance Reduction (MN/TT)
   c. RRB-14: Water Charge Demand Reduction (TT)
   d. KSB-3: Exceedance Policy (DB)
   e. KSB-5: Well Mitigation/SHE (TT)
   f. KSB-7: Well Registry (RE)

4) SGMA Planning and Reporting
   a. 2025 Annual Report (DB)
   b. KNDLA (RE)
   c. The Rosedale Recap (RE)
   d. New Water Accounting Platform (TT)

5) Q&A Time

Rosedale-Rio Bravo Water Storage District GSA Groundwater Level Monitoring Network
Bakersfield, CA



Water Level Representative Monitoring Wells (RMWs)

Conveyance Facilities

Recharge Ponds

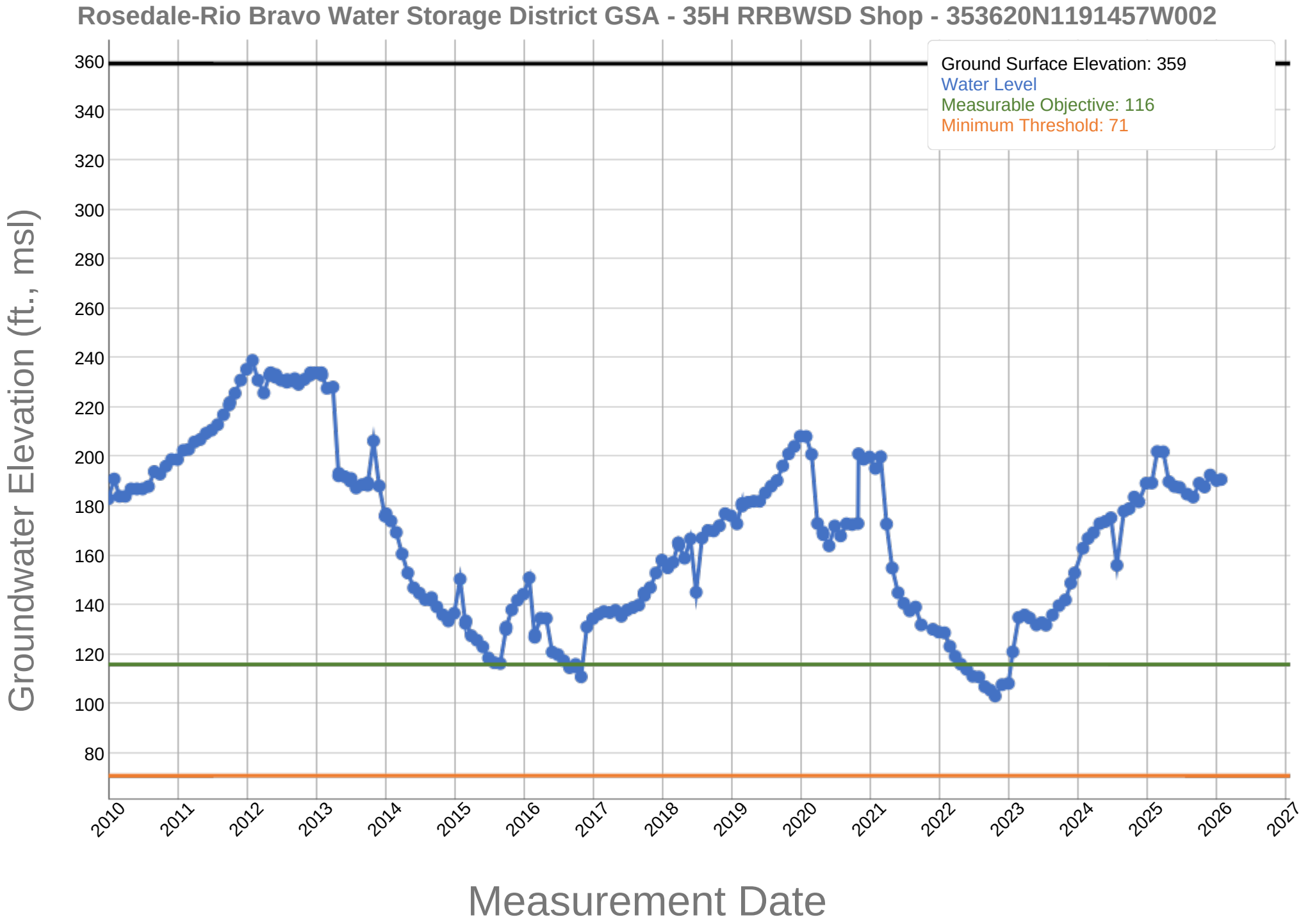
RRBWSD GSA White Lands

RRBWSD GSA Boundary

ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT

RRBWSD GSA

ROSEDALE RIO BRAVO WATER STORAGE DISTRICT GROUNDWATER SUSTAINABILITY AGENCY


Rosedale-Rio Bravo Water Storage District GSA - 35H RRBWSD Shop - 353620N1191457W002
Ground Surface Elevation: 359
Water Level
Measurable Objective: 116
Minimum Threshold: 71
Groundwater Elevation (ft., msl)
360
340
320
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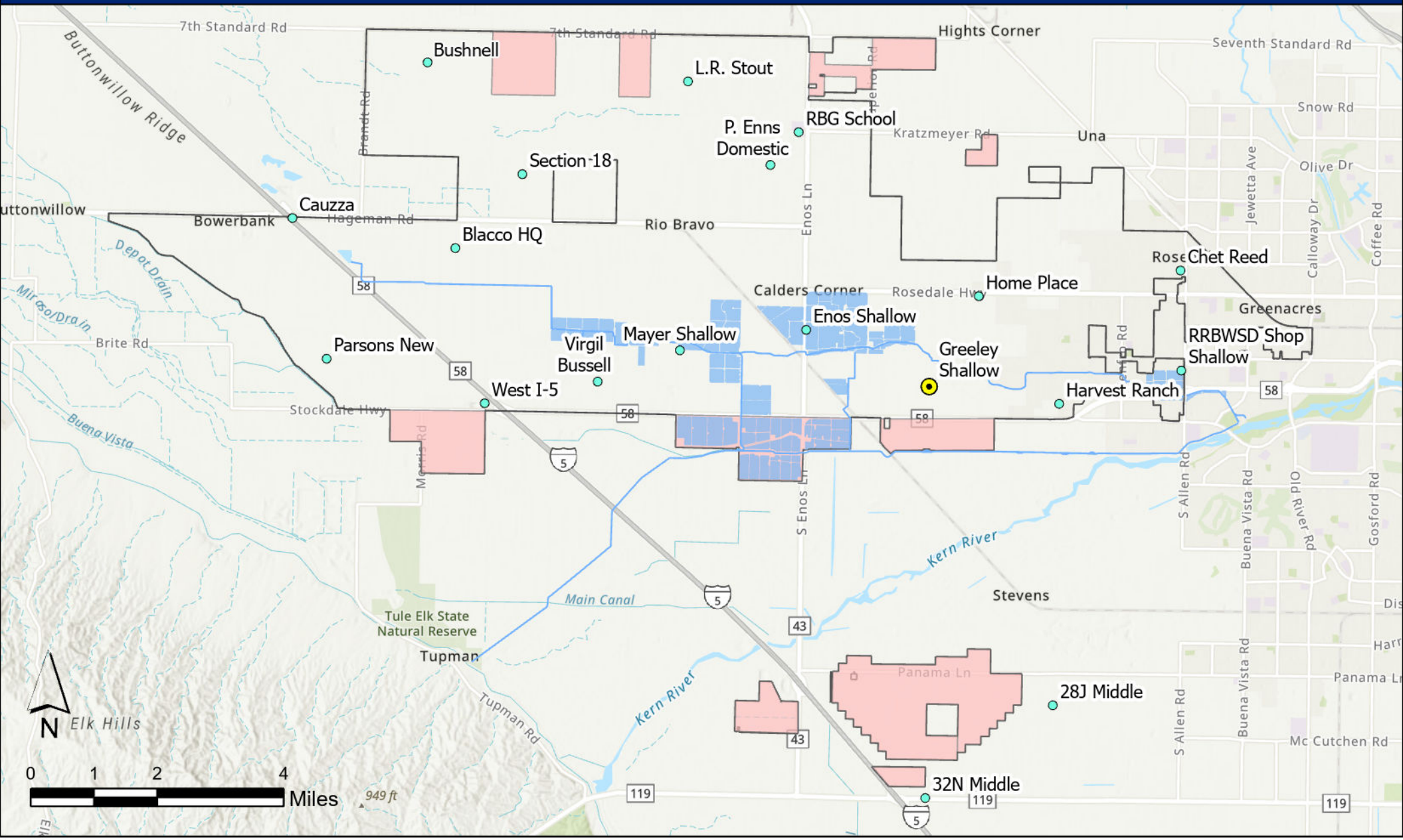
Measurement Date

Rosedale-Rio Bravo Water Storage District GSA Groundwater Level Monitoring Network
Bakersfield, CA



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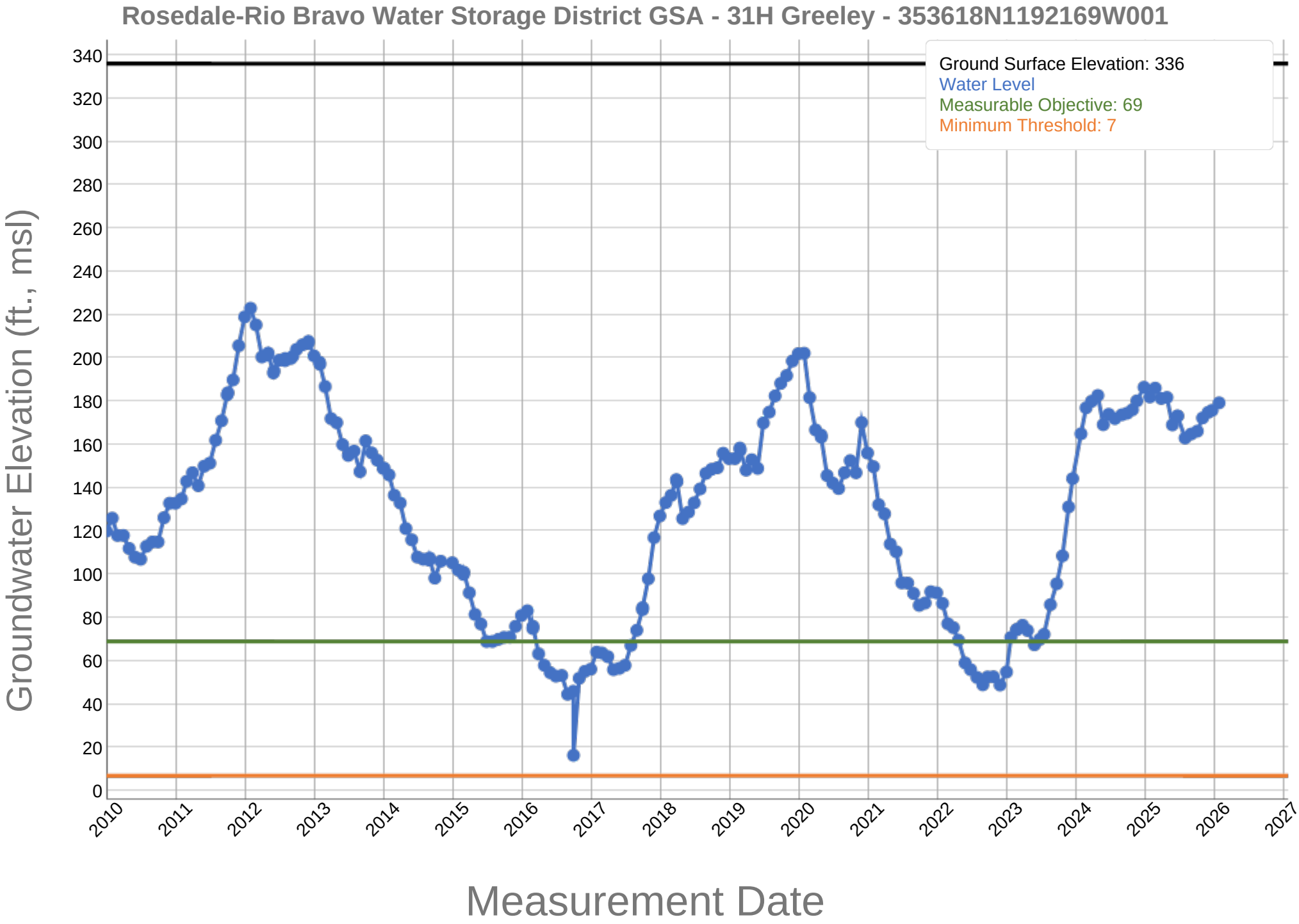
ROSEDALE RIO BRAVO WATER STORAGE DISTRICT GROUNDWATER SUSTAINABILITY AGENCY


Rosedale-Rio Bravo Water Storage District GSA - 31H Greeley - 353618N1192169W001
Ground Surface Elevation: 336
Water Level
Measurable Objective: 69
Minimum Threshold: 7
Groundwater Elevation (ft., msl)
340
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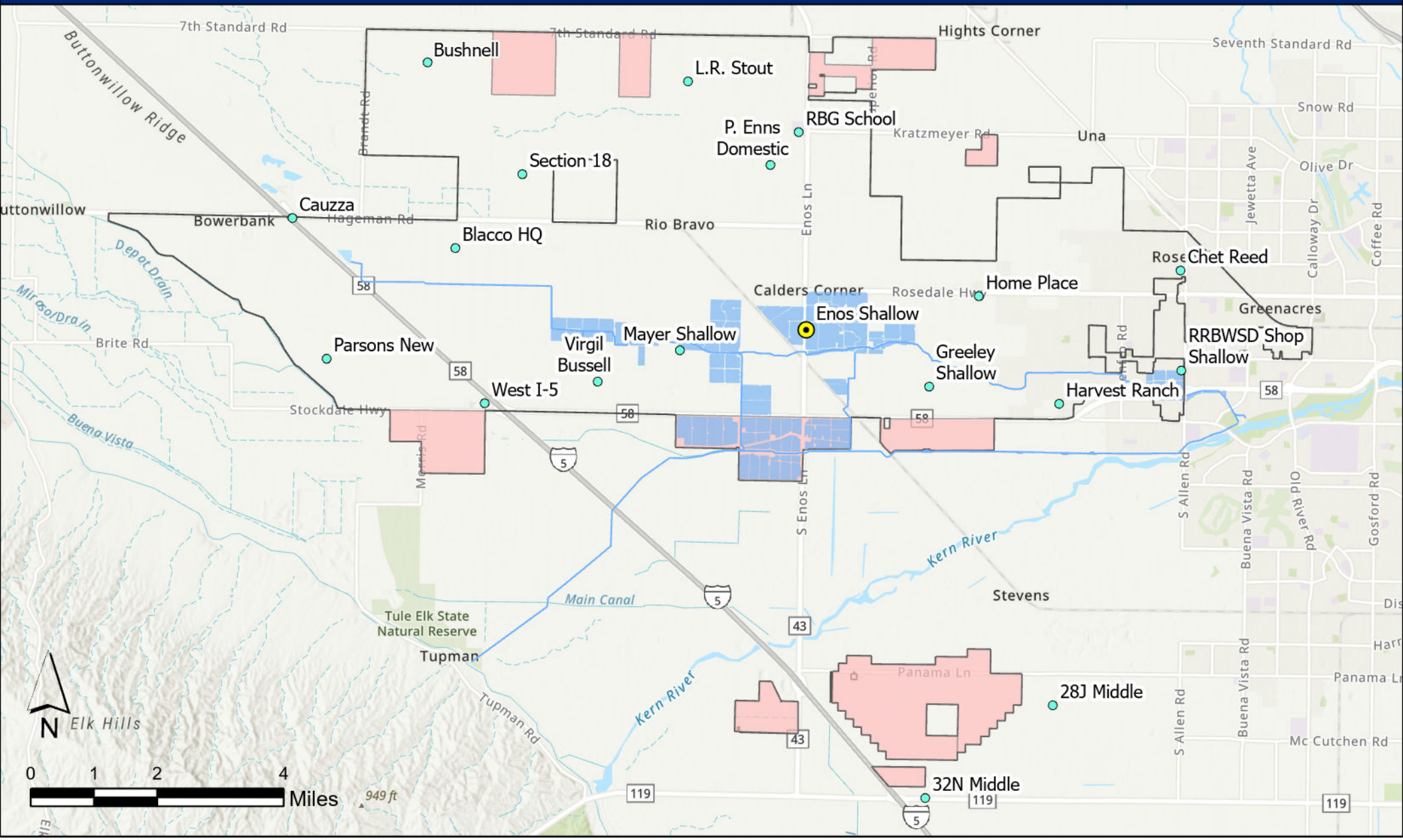
Measurement Date

Rosedale-Rio Bravo Water Storage District GSA Groundwater Level Monitoring Network
Bakersfield, CA



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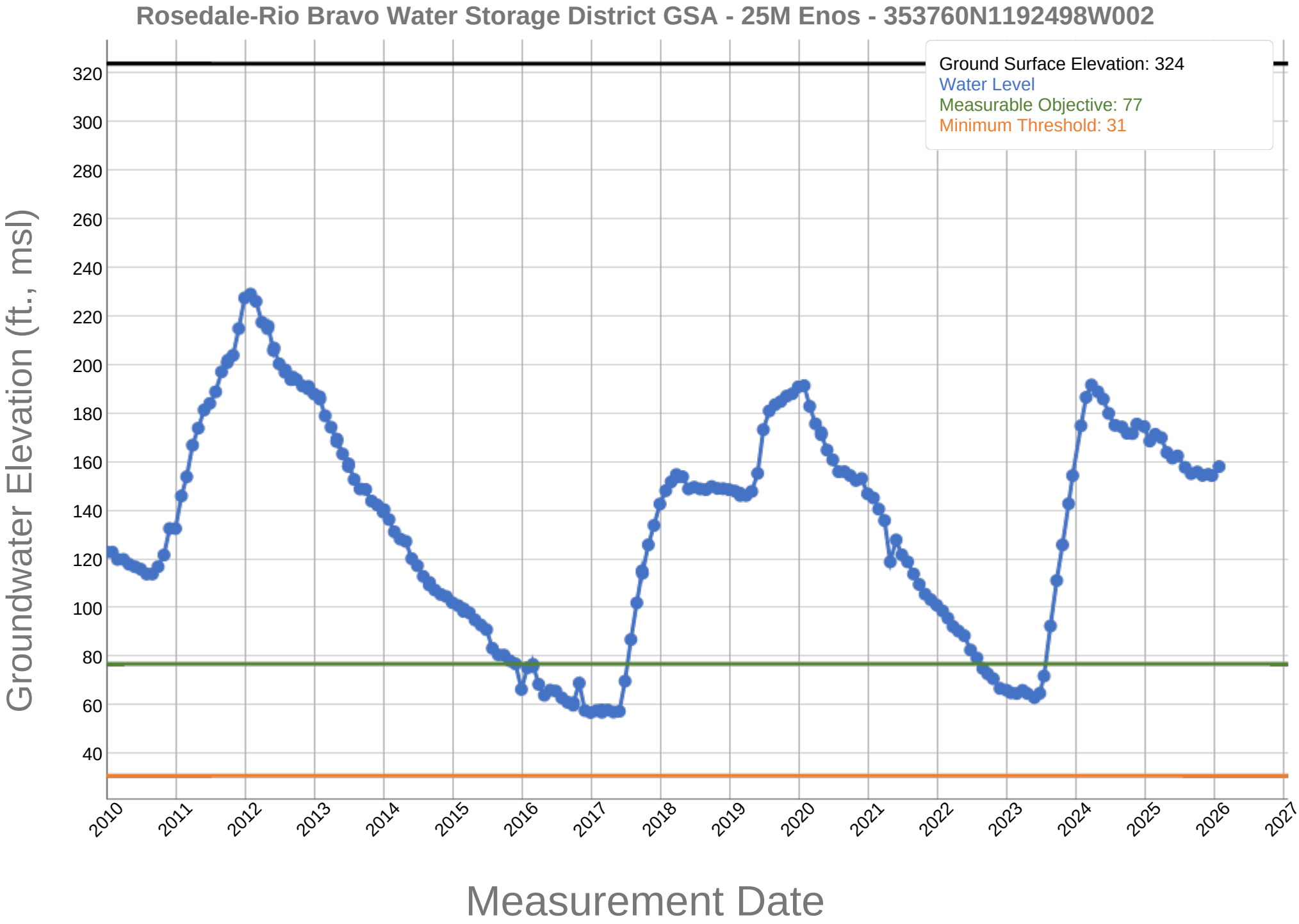
Rosedale-Rio Bravo Water Storage District GSA - 25M Enos - 353760N1192498W002
Ground Surface Elevation: 324
Water Level
Measurable Objective: 77
Minimum Threshold: 31
Groundwater Elevation (ft., msl)
320
300
280
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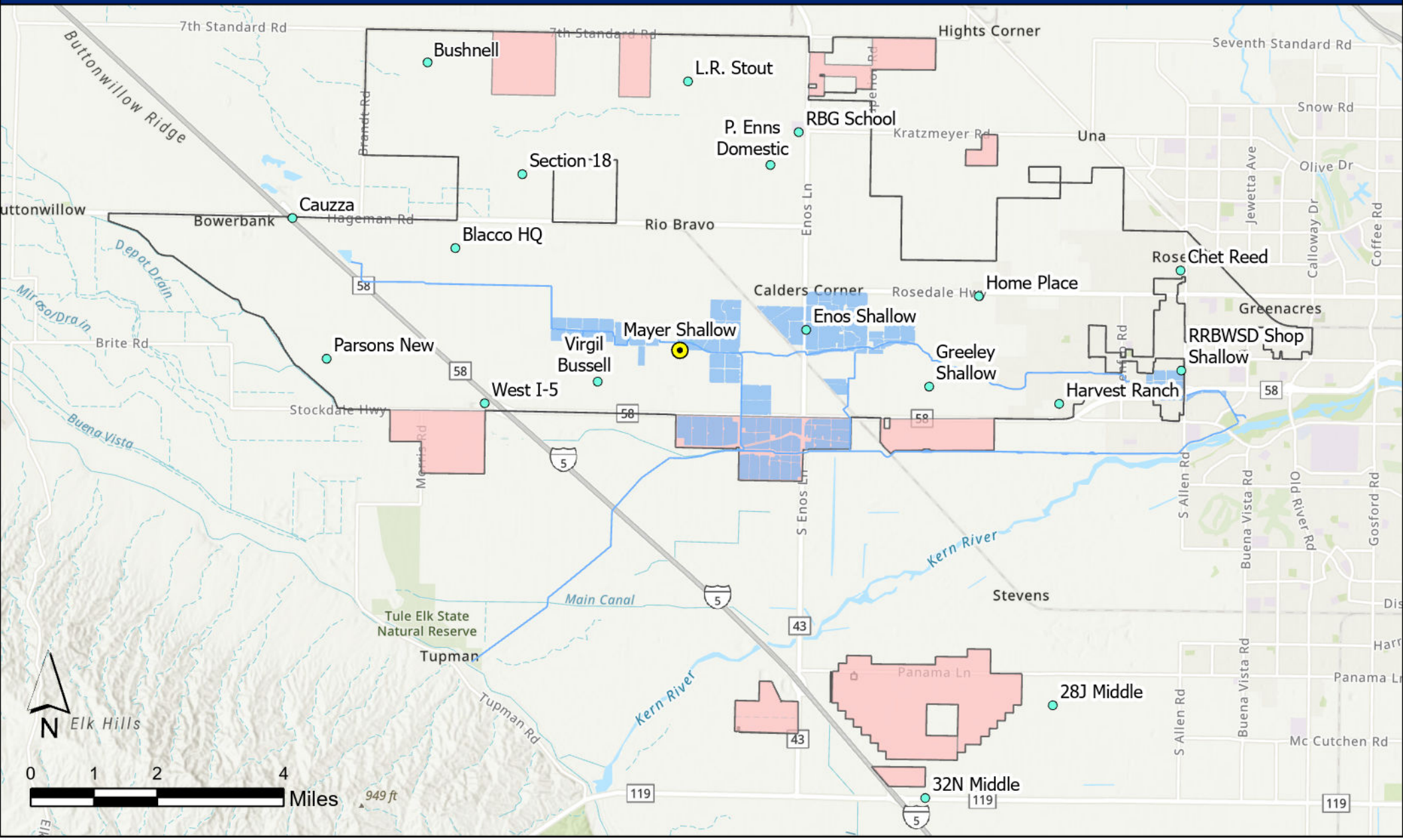
Measurement Date

Rosedale-Rio Bravo Water Storage District GSA Groundwater Level Monitoring Network
Bakersfield, CA



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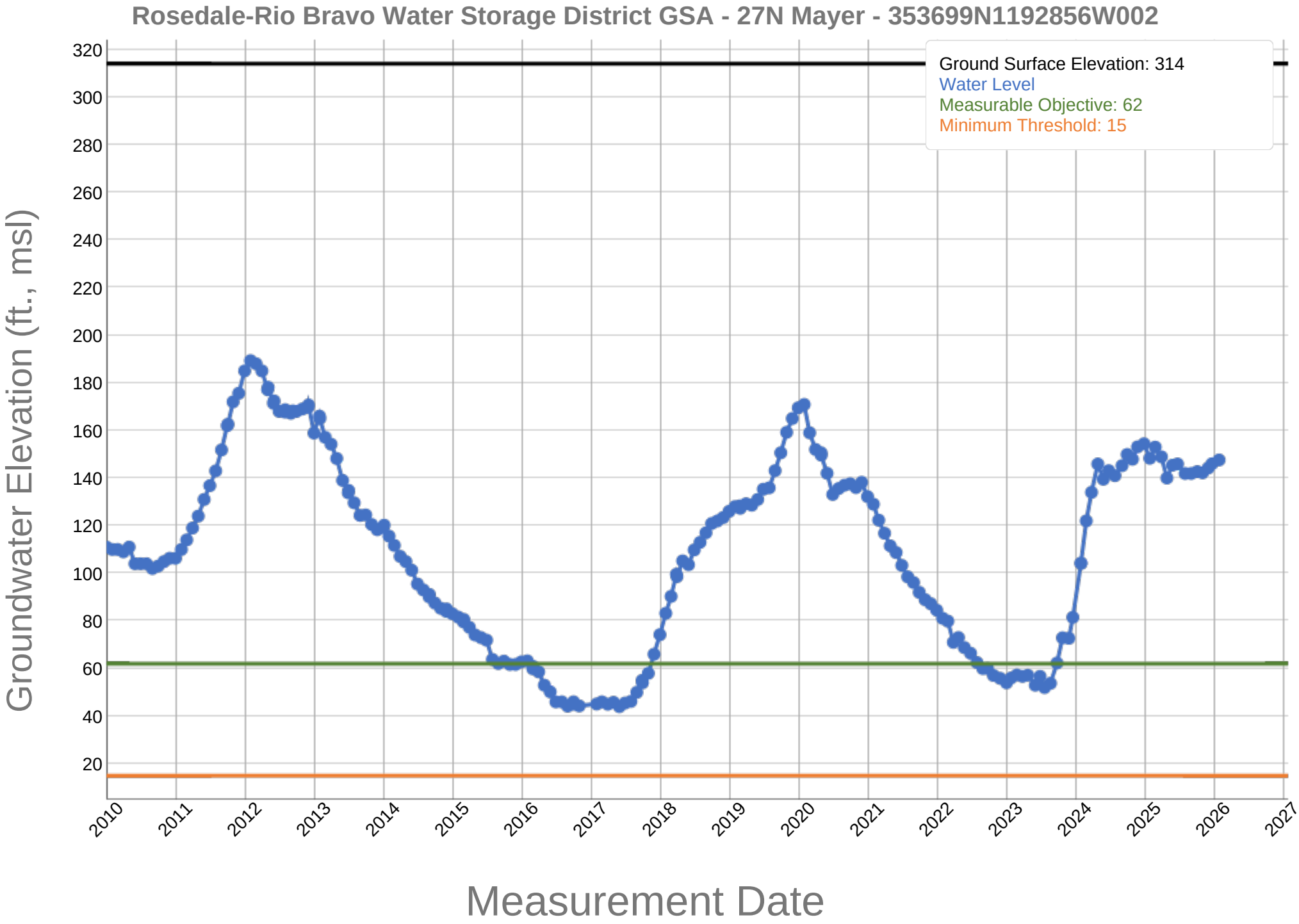
Rosedale-Rio Bravo Water Storage District GSA - 27N Mayer - 353699N1192856W002
Ground Surface Elevation: 314
Water Level
Measurable Objective: 62
Minimum Threshold: 15
Groundwater Elevation (ft., msl)
320
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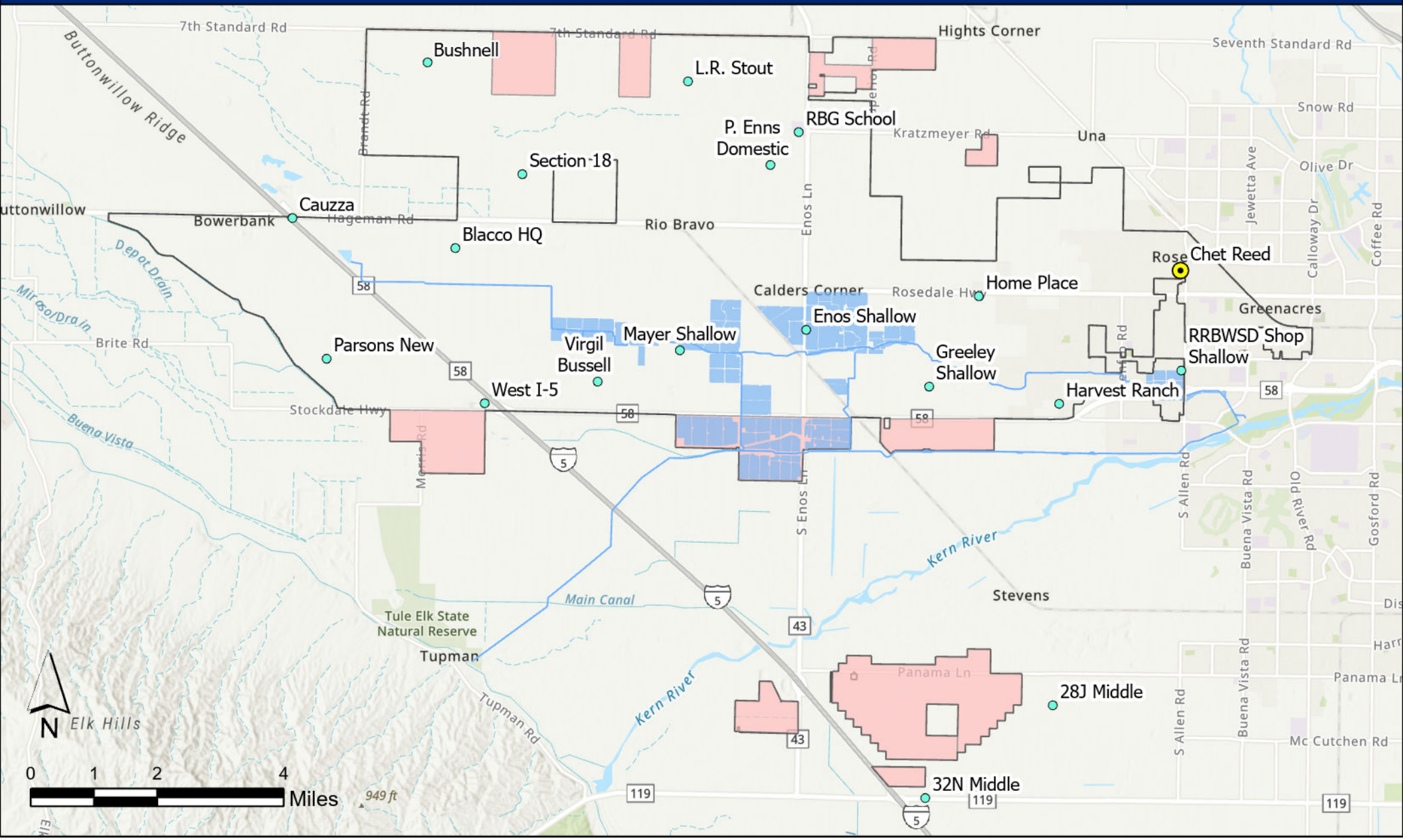
Rosedale-Rio Bravo Water Storage District GSA Groundwater Level Monitoring Network
Bakersfield, CA



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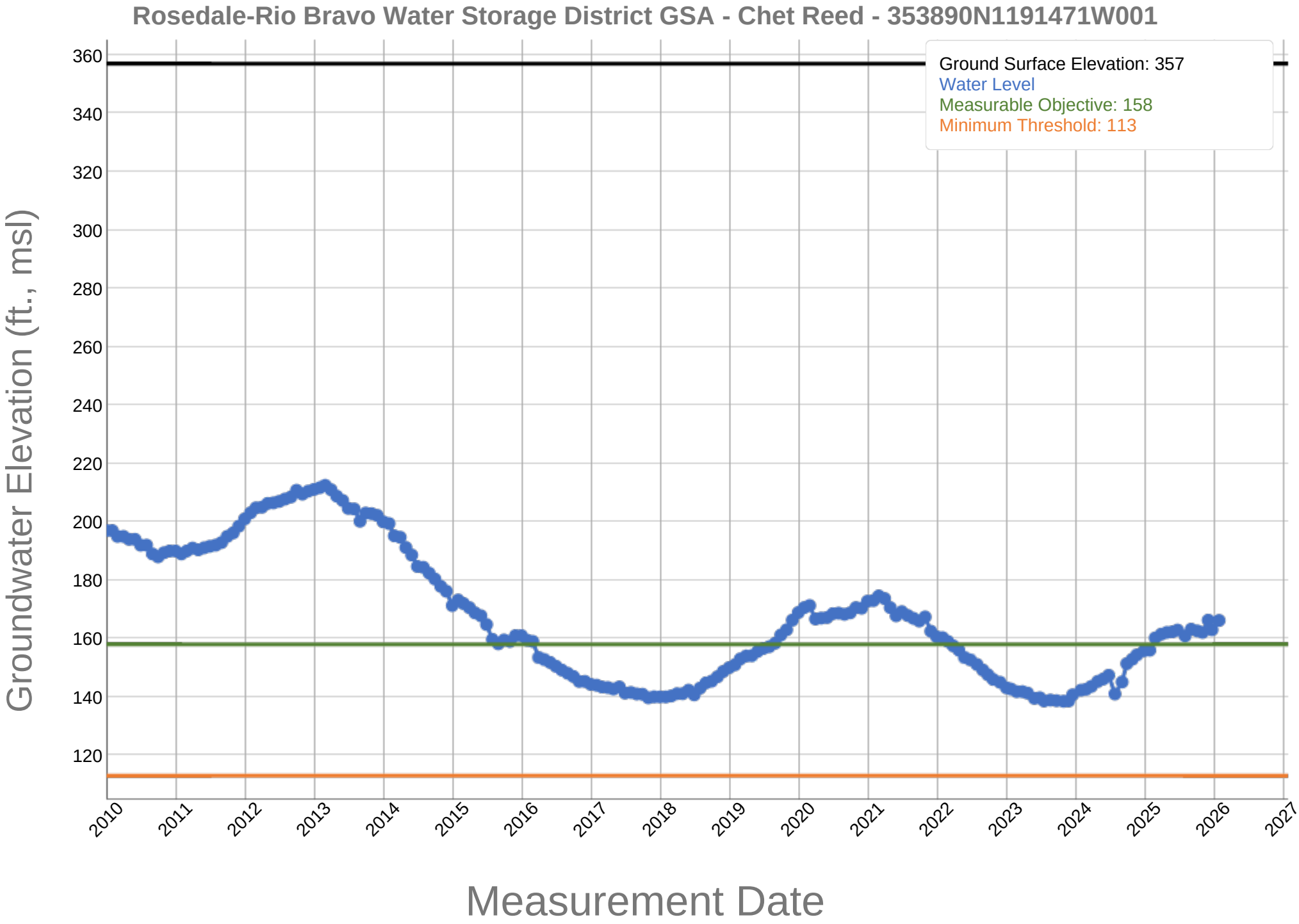
ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT

RRBWSD GSA

ROSEDALE RIO BRAVO WATER STORAGE DISTRICT GROUNDWATER SUSTAINABILITY AGENCY


Rosedale-Rio Bravo Water Storage District GSA - Chet Reed - 353890N1191471W001
Ground Surface Elevation: 357
Water Level
Measurable Objective: 158
Minimum Threshold: 113
Groundwater Elevation (ft., msl)
360
340
320
300
280
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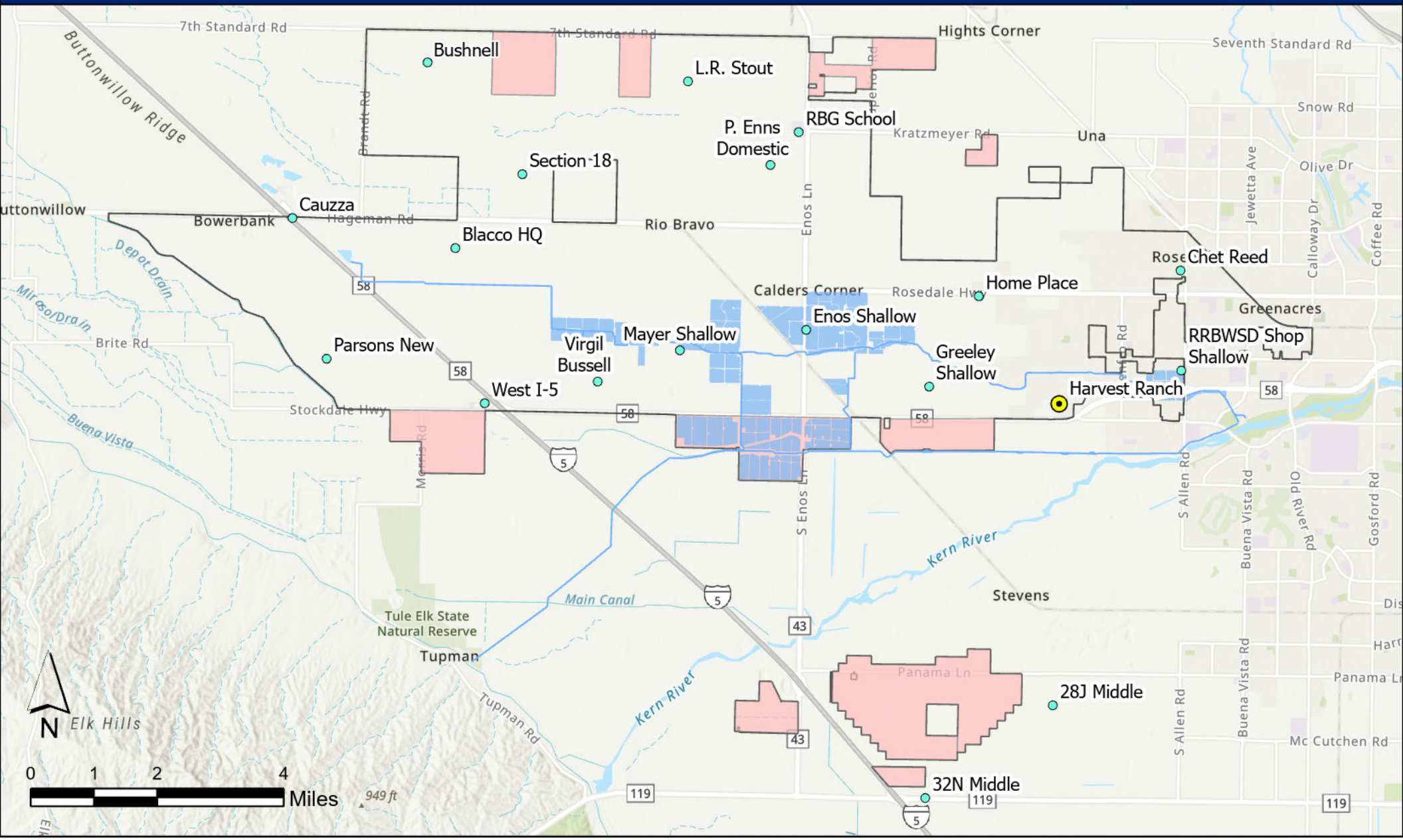
Measurement Date

Rosedale-Rio Bravo Water Storage District GSA Groundwater Level Monitoring Network
Bakersfield, CA



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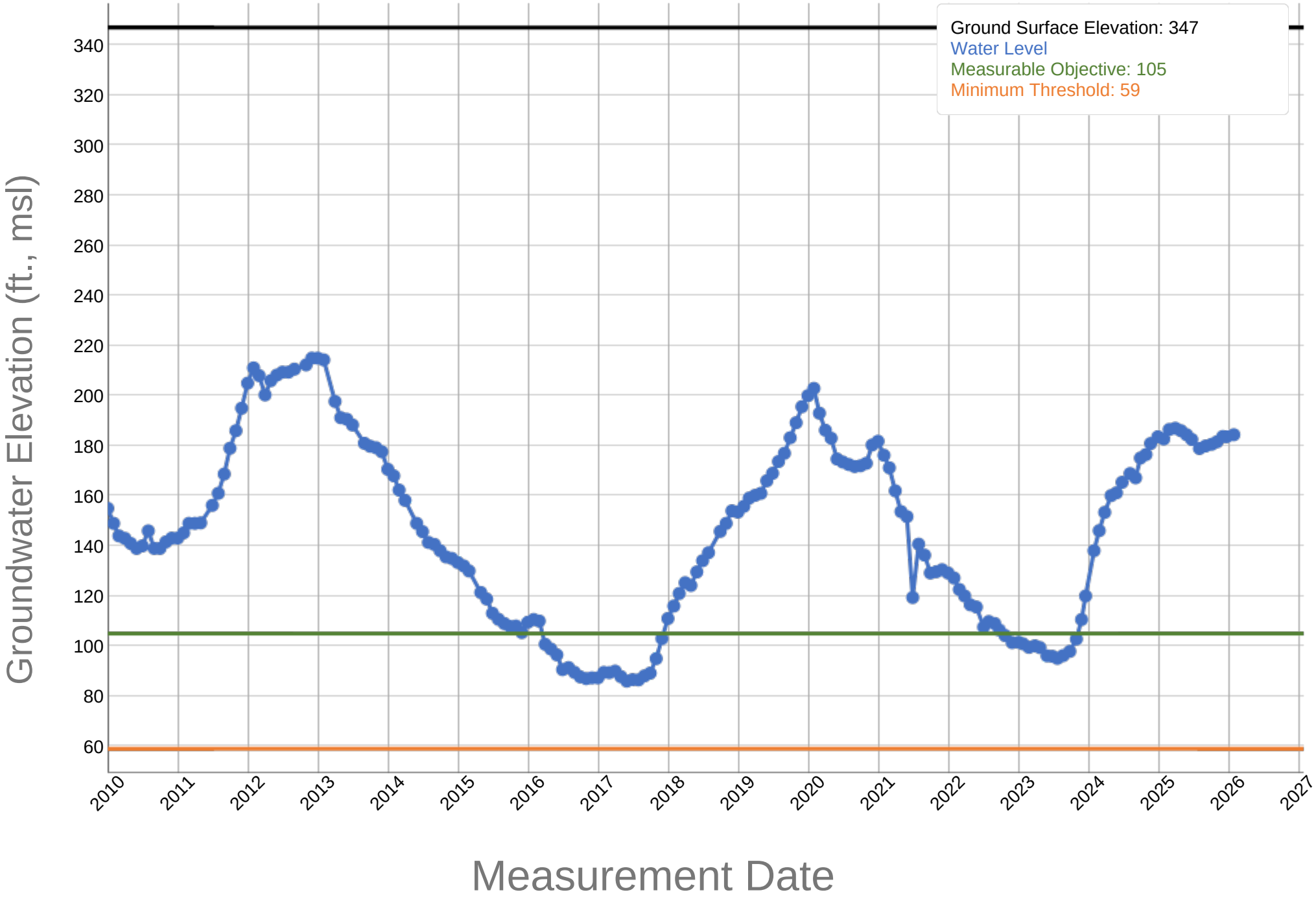
ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT

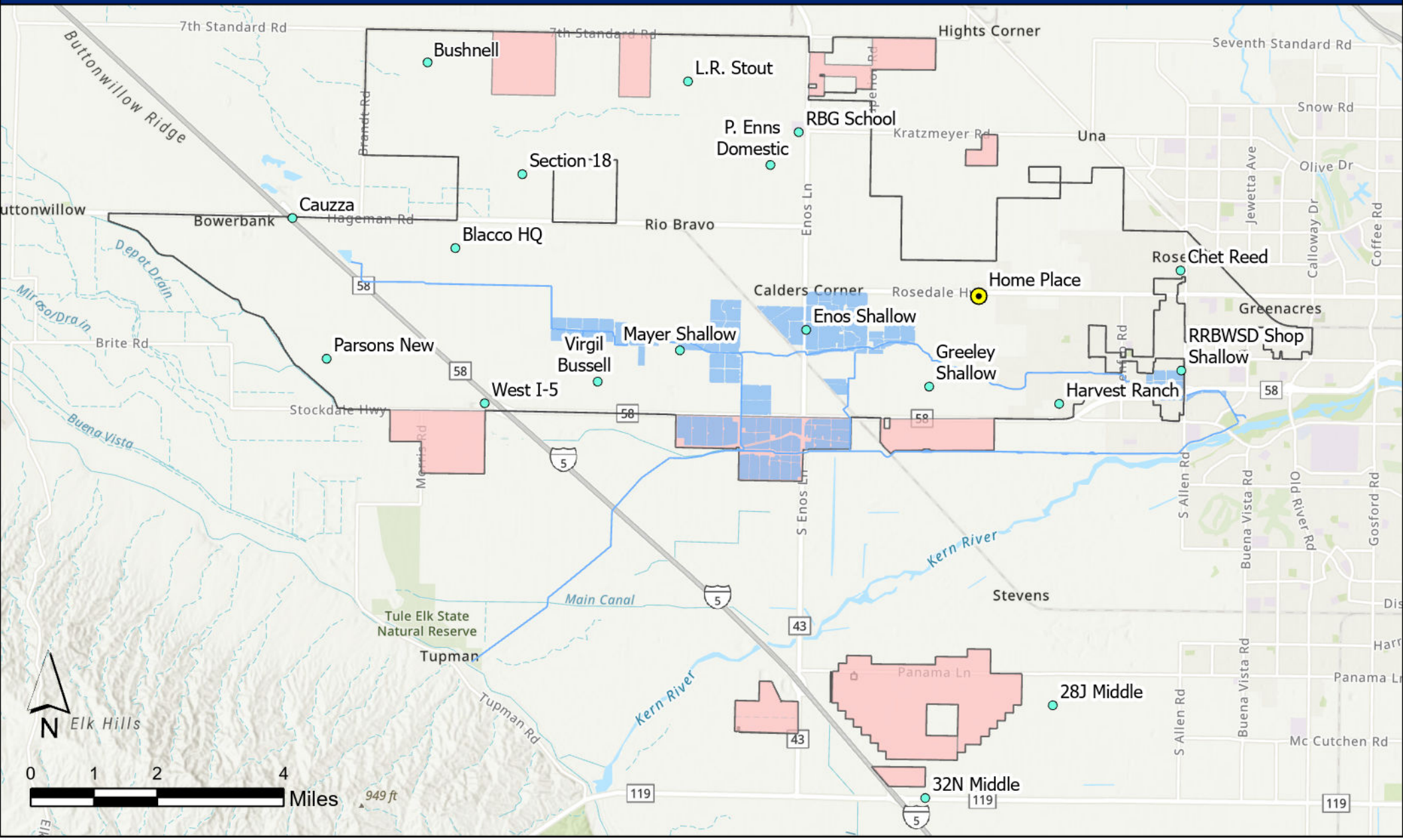
RRBWSD GSA

ROSEDALE RIO BRAVO WATER STORAGE DISTRICT GROUNDWATER SUSTAINABILITY AGENCY

Rosedale-Rio Bravo Water Storage District GSA - Manon Manor Mutual Water Co - 353634N1191766W001



Rosedale-Rio Bravo Water Storage District GSA Groundwater Level Monitoring Network
Bakersfield, CA



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ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT

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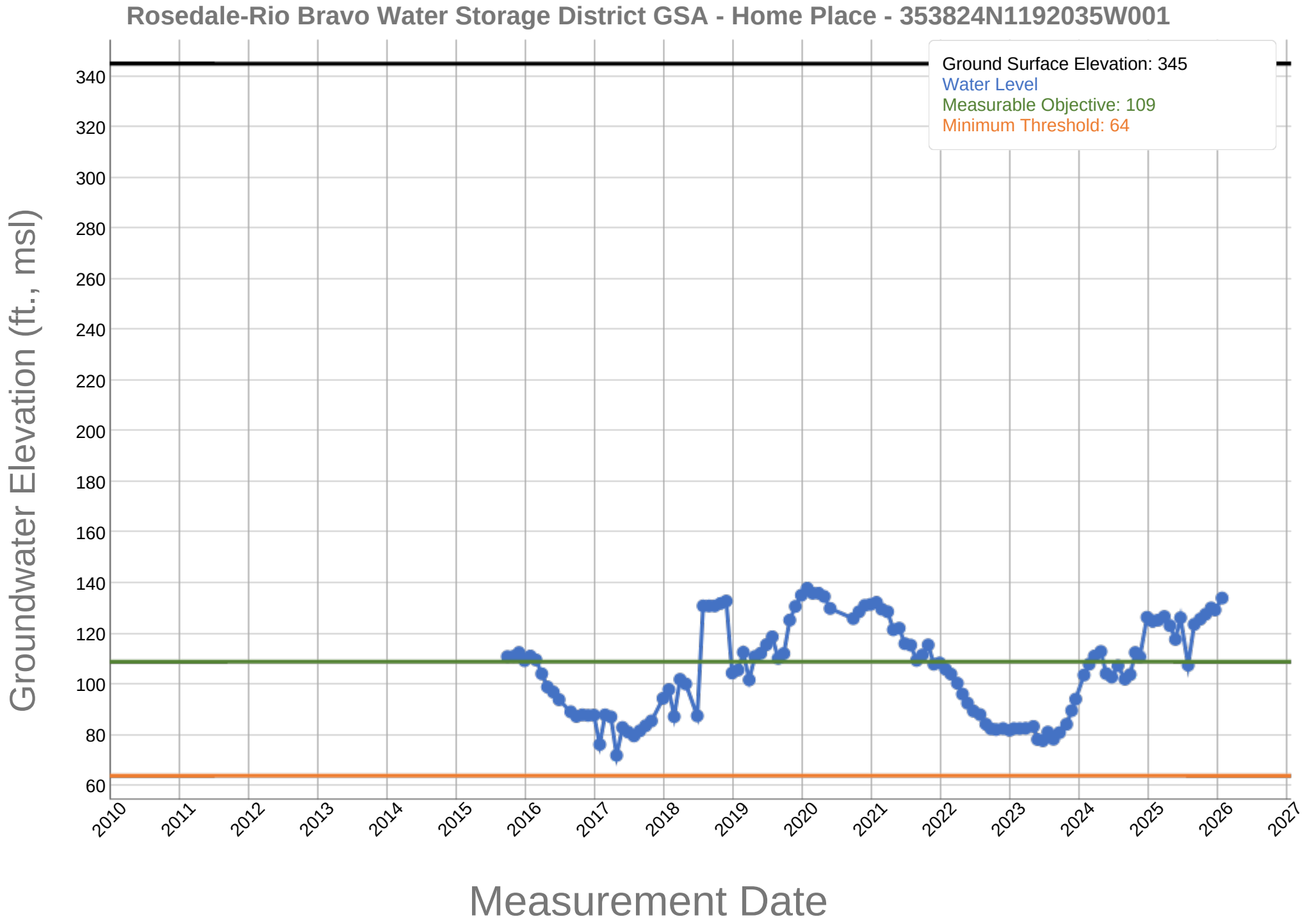
Rosedale-Rio Bravo Water Storage District GSA - Home Place - 353824N1192035W001
Ground Surface Elevation: 345
Water Level
Measurable Objective: 109
Minimum Threshold: 64
Groundwater Elevation (ft., msl)
340
320
300
280
260
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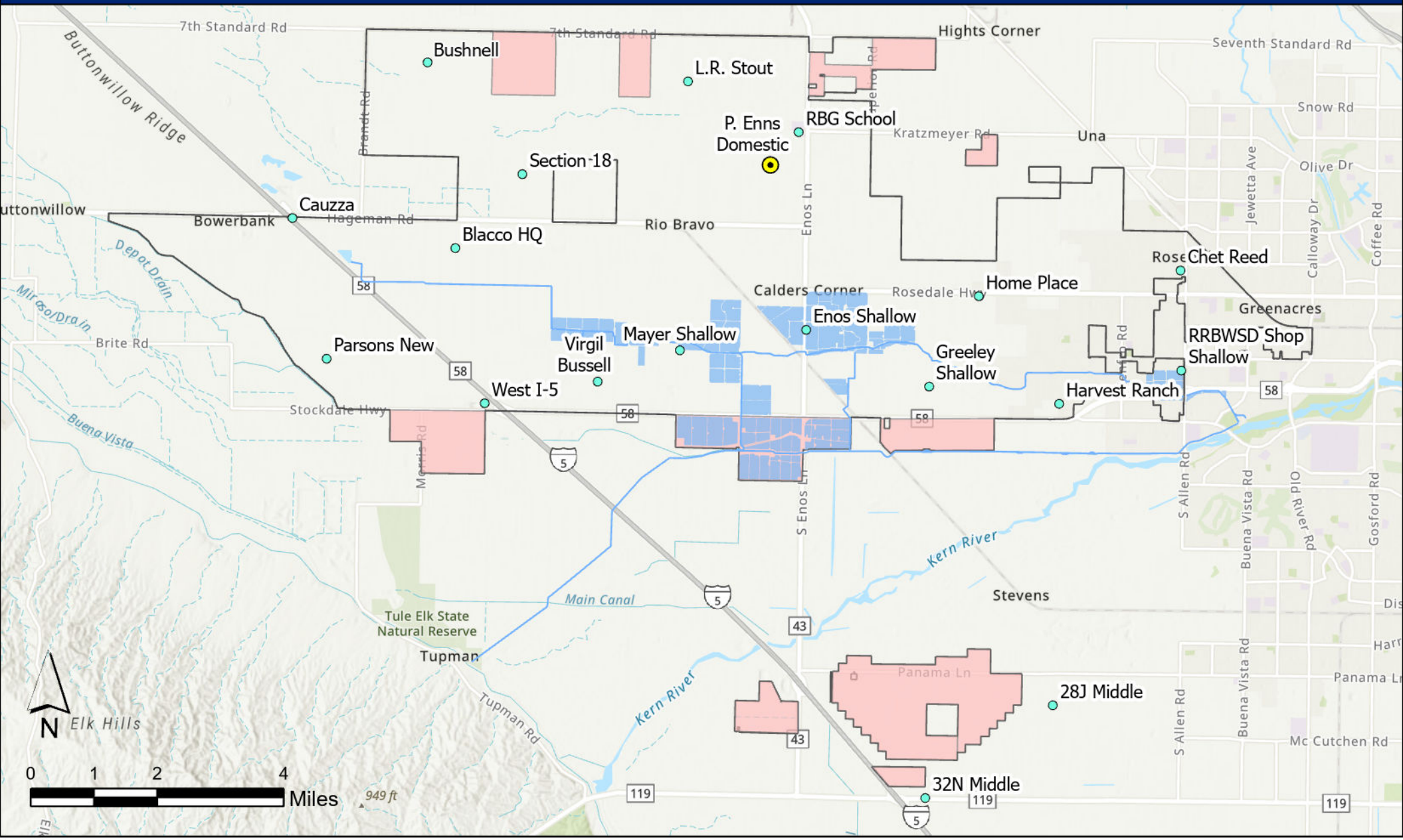
Bakersfield, CA



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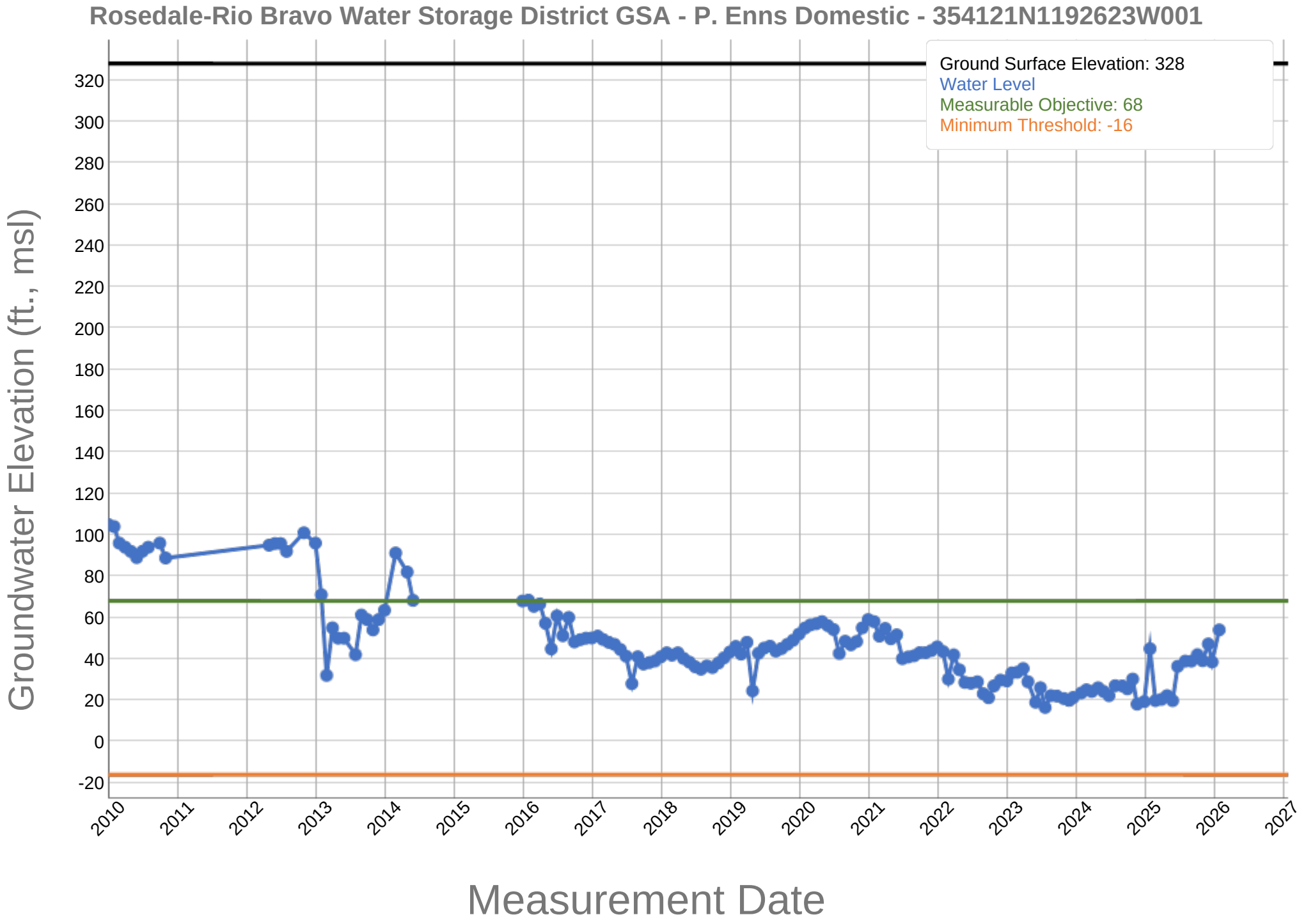
Rosedale-Rio Bravo Water Storage District GSA - P. Enns Domestic - 354121N1192623W001
Ground Surface Elevation: 328
Water Level
Measurable Objective: 68
Minimum Threshold: -16
Groundwater Elevation (ft., msl)
320
300
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260
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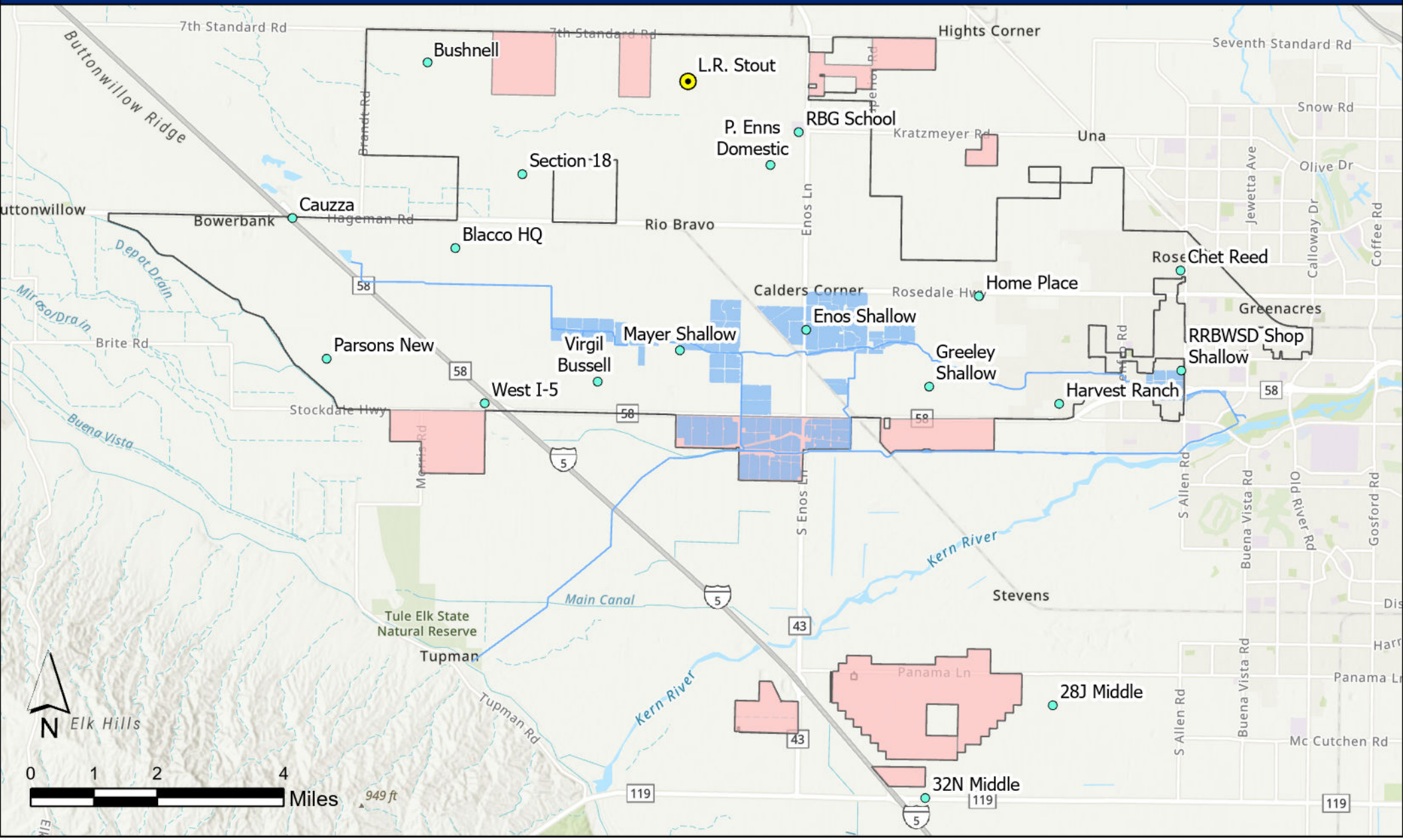
Rosedale-Rio Bravo Water Storage District GSA Groundwater Level Monitoring Network
Bakersfield, CA



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ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT

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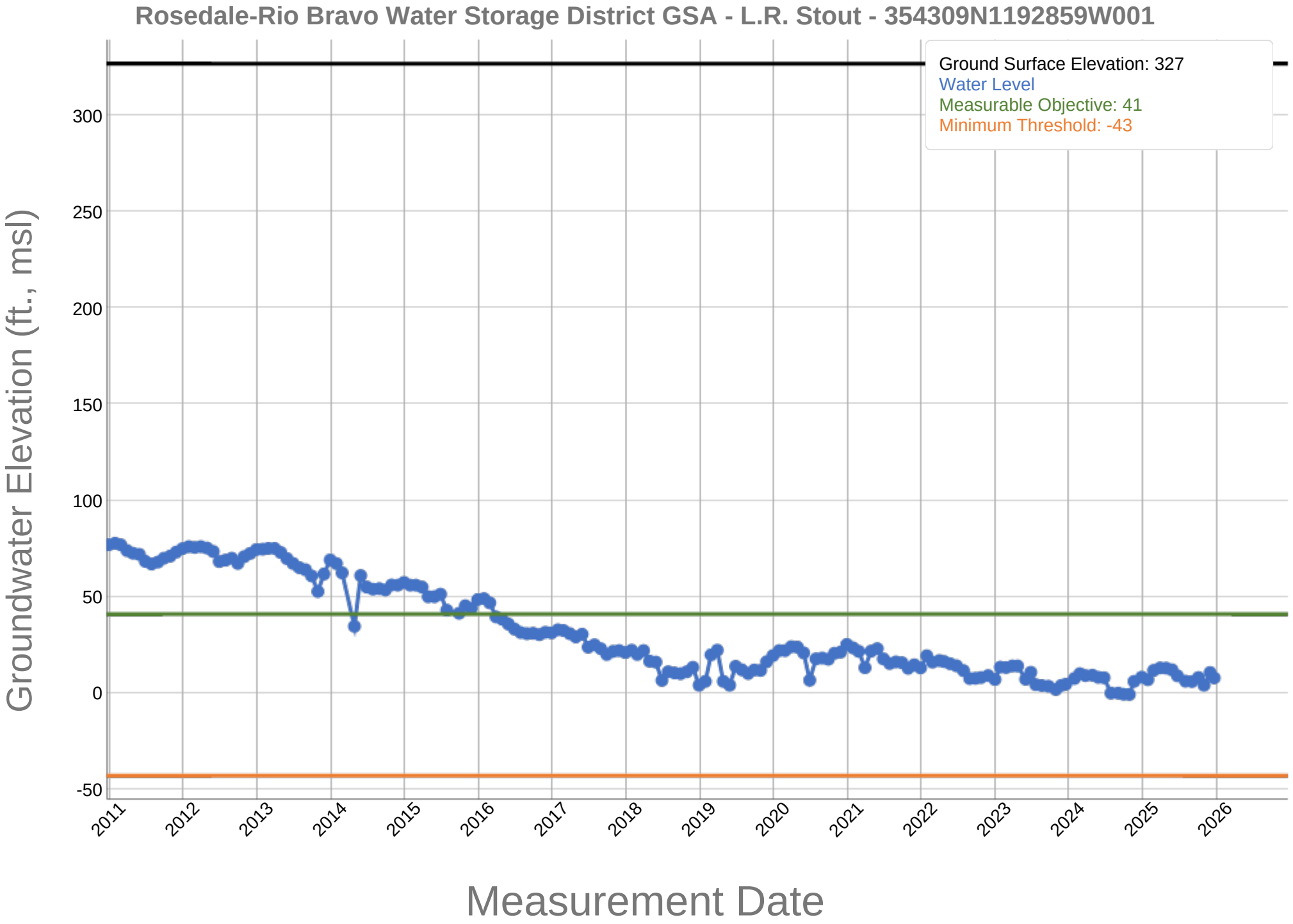
Rosedale-Rio Bravo Water Storage District GSA - L.R. Stout - 354309N1192859W001
Ground Surface Elevation: 327
Water Level
Measurable Objective: 41
Minimum Threshold: -43
Groundwater Elevation (ft., msl)
300
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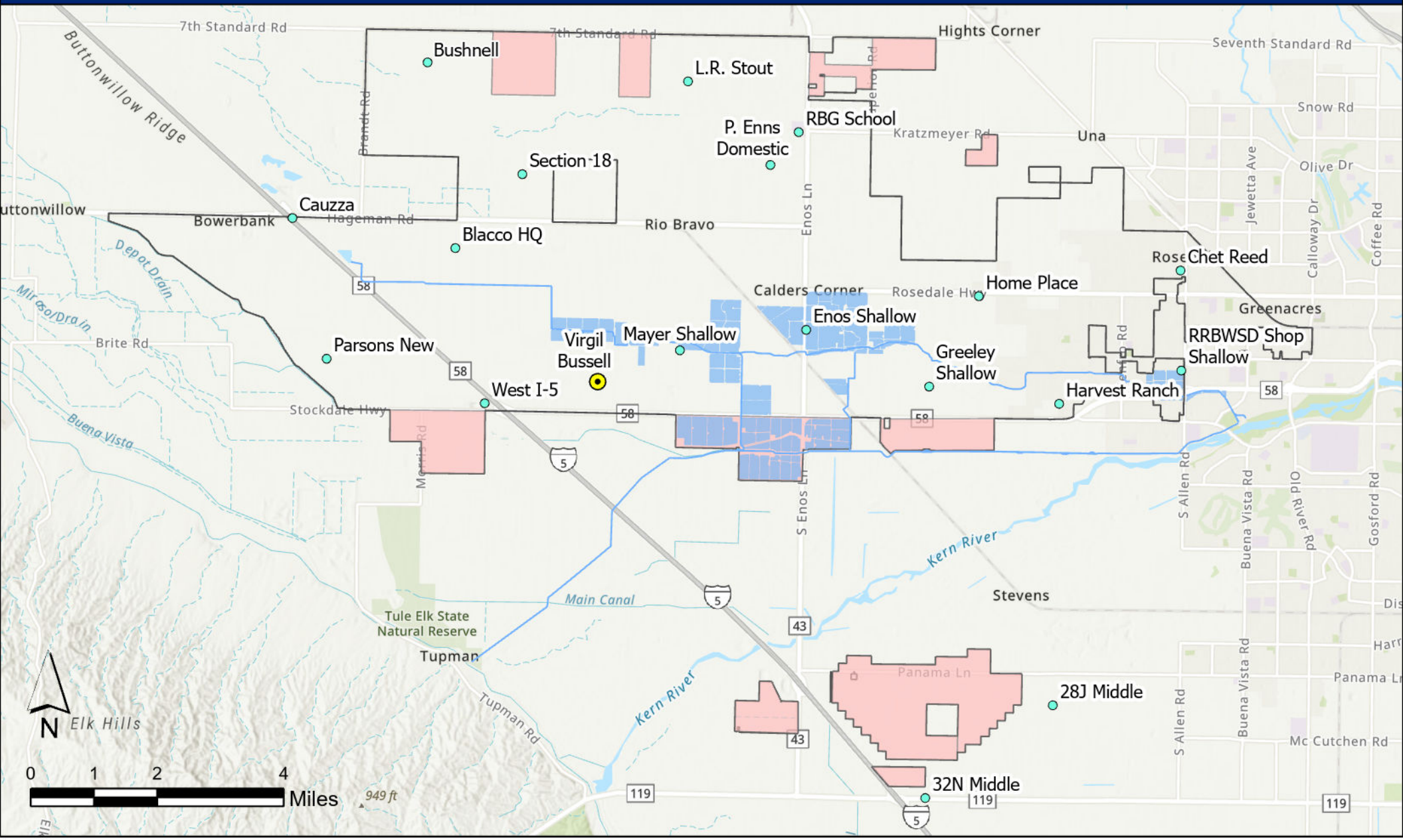
Measurement Date

Rosedale-Rio Bravo Water Storage District GSA Groundwater Level Monitoring Network
Bakersfield, CA



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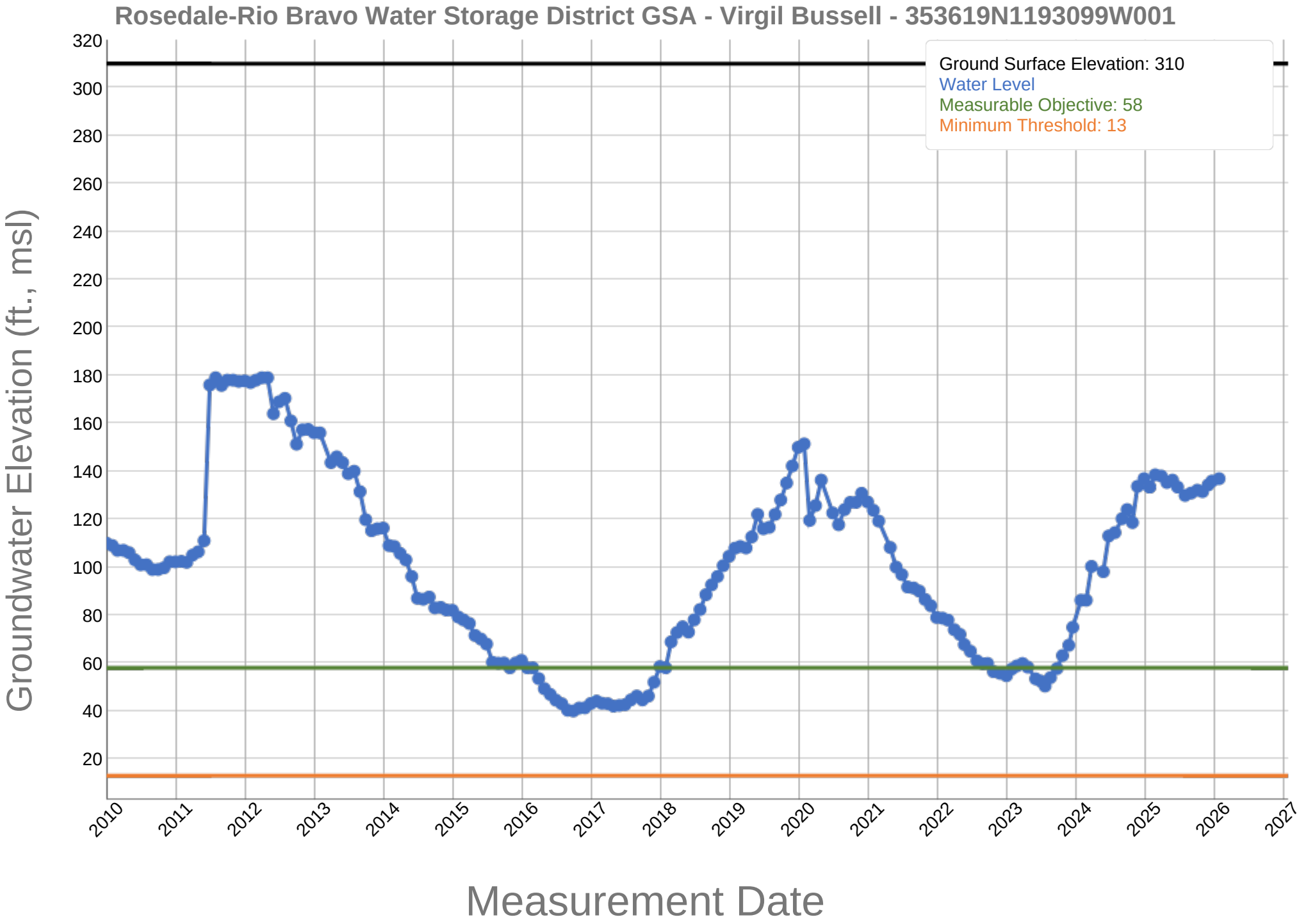
Rosedale-Rio Bravo Water Storage District GSA - Virgil Bussell - 353619N1193099W001
Ground Surface Elevation: 310
Water Level
Measurable Objective: 58
Minimum Threshold: 13
Groundwater Elevation (ft., msl)
320
300
280
260
240
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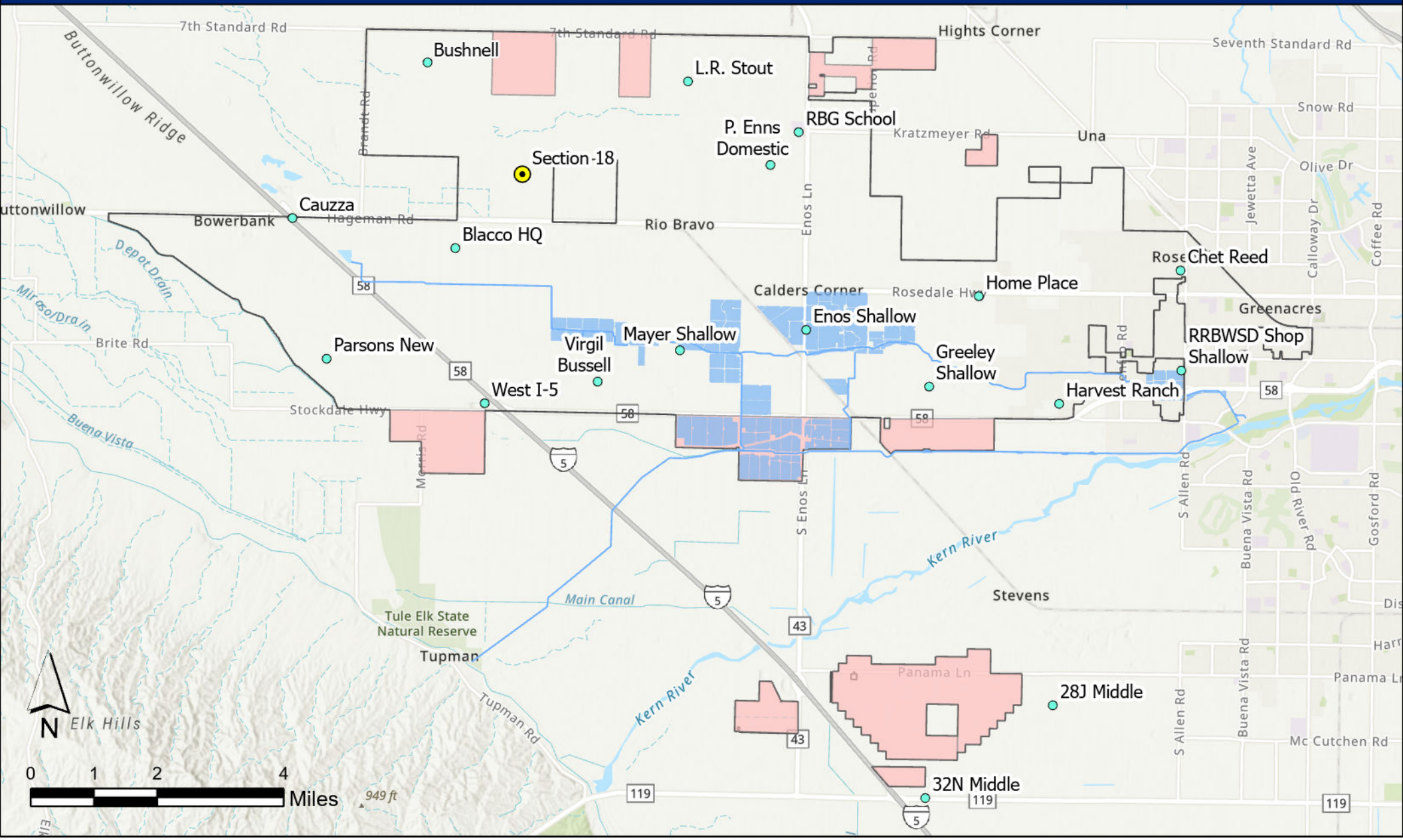
Measurement Date

Rosedale-Rio Bravo Water Storage District GSA Groundwater Level Monitoring Network
Bakersfield, CA



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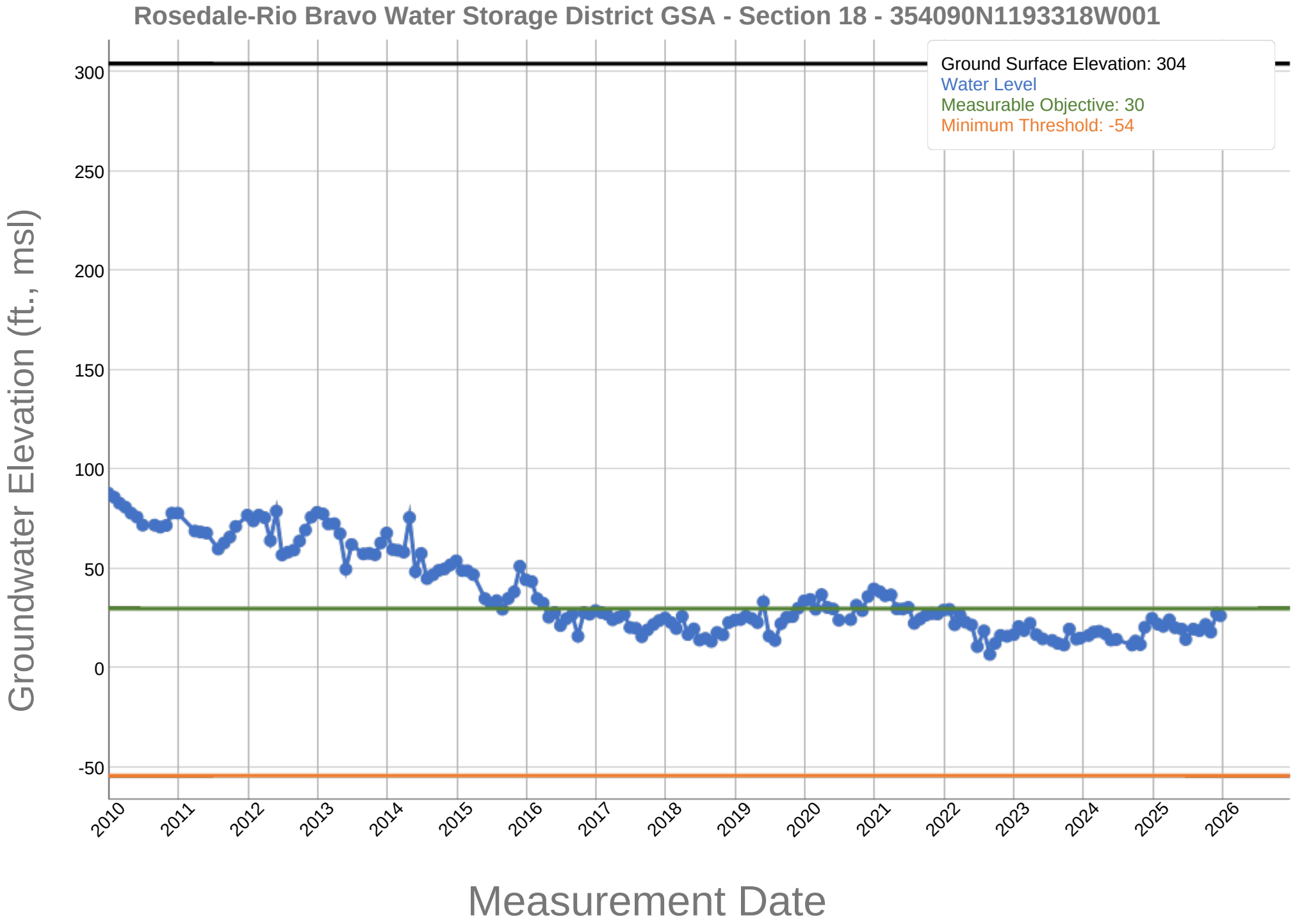
Rosedale-Rio Bravo Water Storage District GSA - Section 18 - 354090N1193318W001
Ground Surface Elevation: 304
Water Level
Measurable Objective: 30
Minimum Threshold: -54
Groundwater Elevation (ft., msl)
300
250
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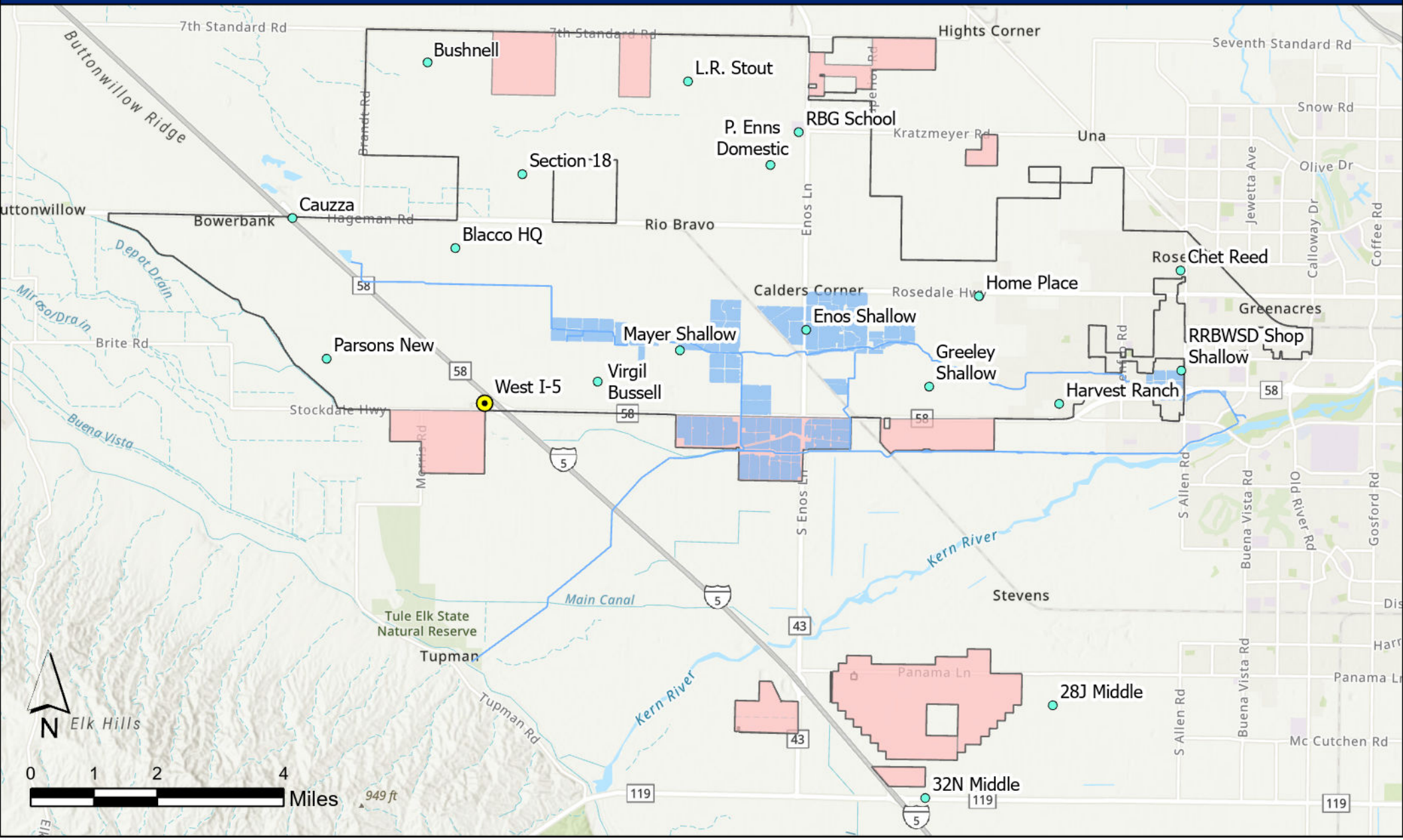
Measurement Date

Rosedale-Rio Bravo Water Storage District GSA Groundwater Level Monitoring Network
Bakersfield, CA



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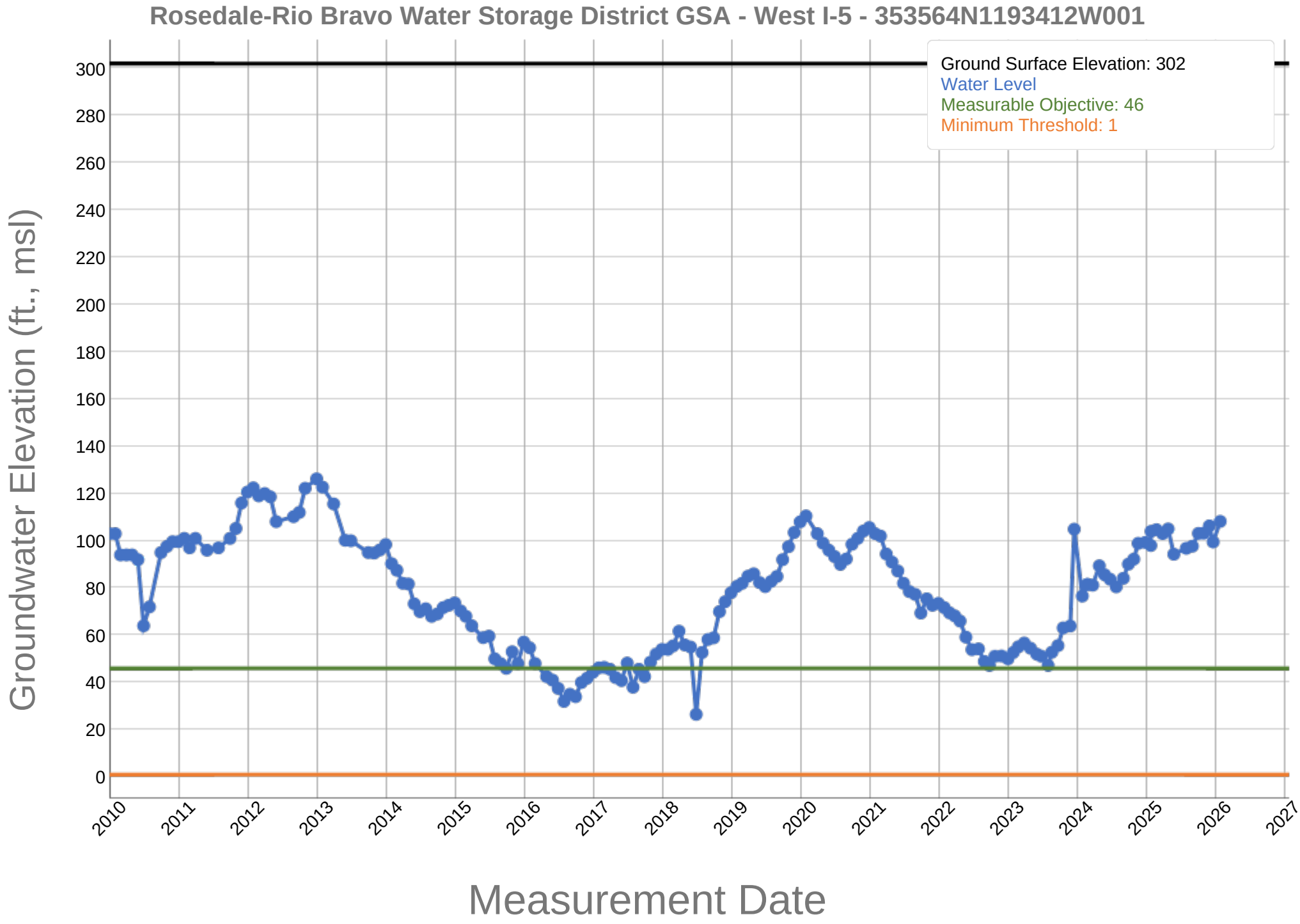
Rosedale-Rio Bravo Water Storage District GSA - West I-5 - 353564N1193412W001
Ground Surface Elevation: 302
Water Level
Measurable Objective: 46
Minimum Threshold: 1
Groundwater Elevation (ft., msl)
300
280
260
240
220
200
180
160
140
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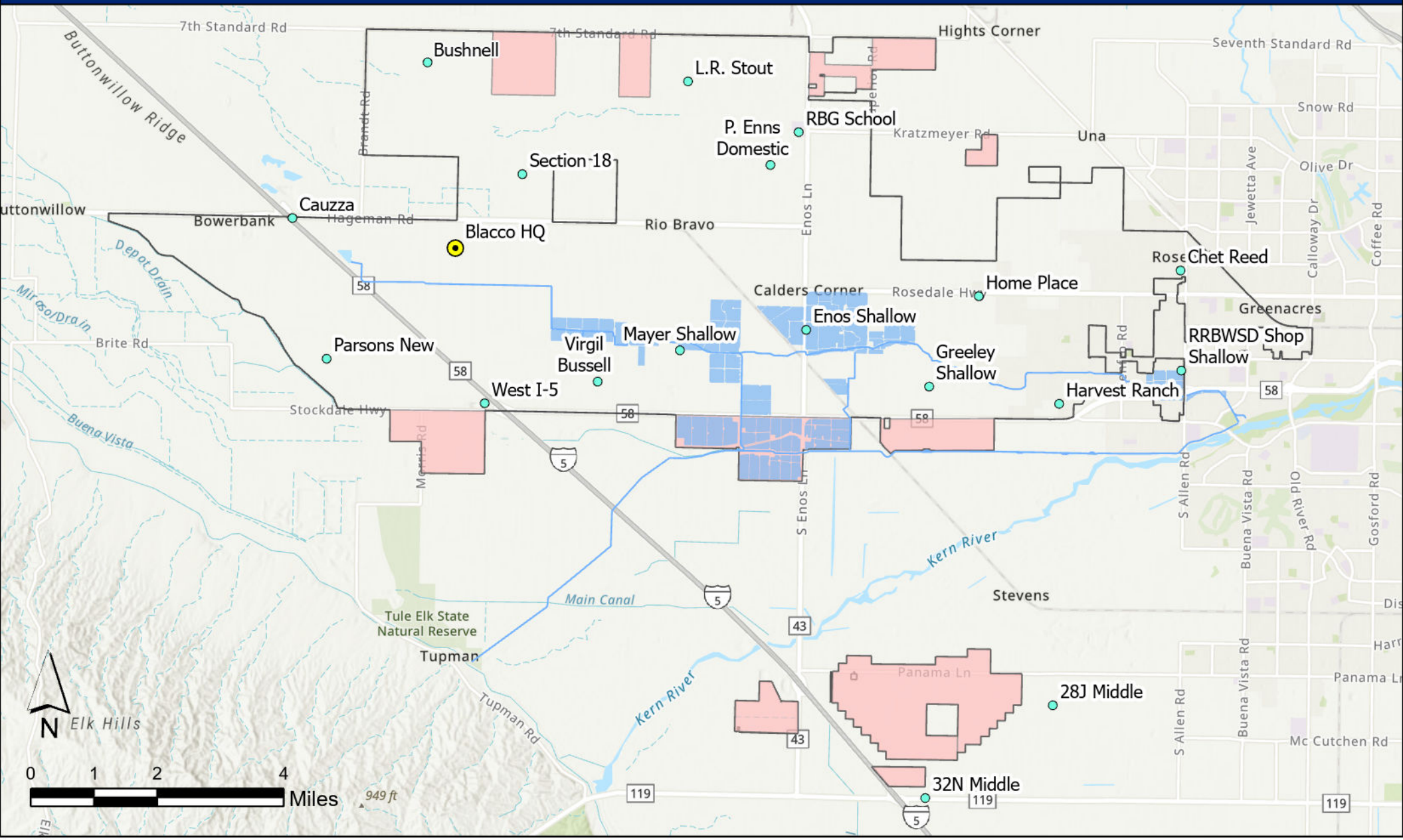

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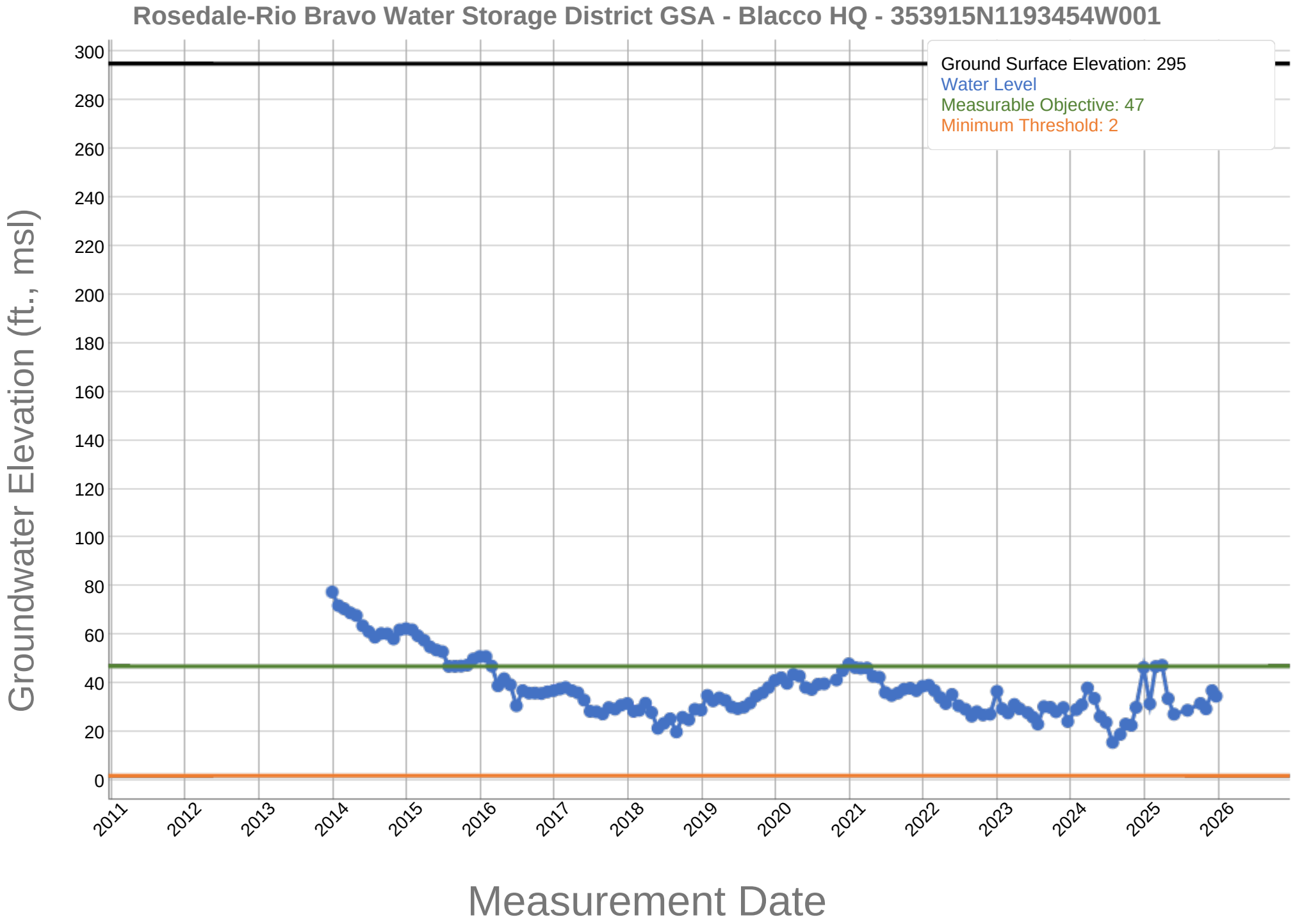
Rosedale-Rio Bravo Water Storage District GSA - Blacco HQ - 353915N1193454W001
Ground Surface Elevation: 295
Water Level
Measurable Objective: 47
Minimum Threshold: 2
Groundwater Elevation (ft., msl)
300
280
260
240
220
200
180
160
140
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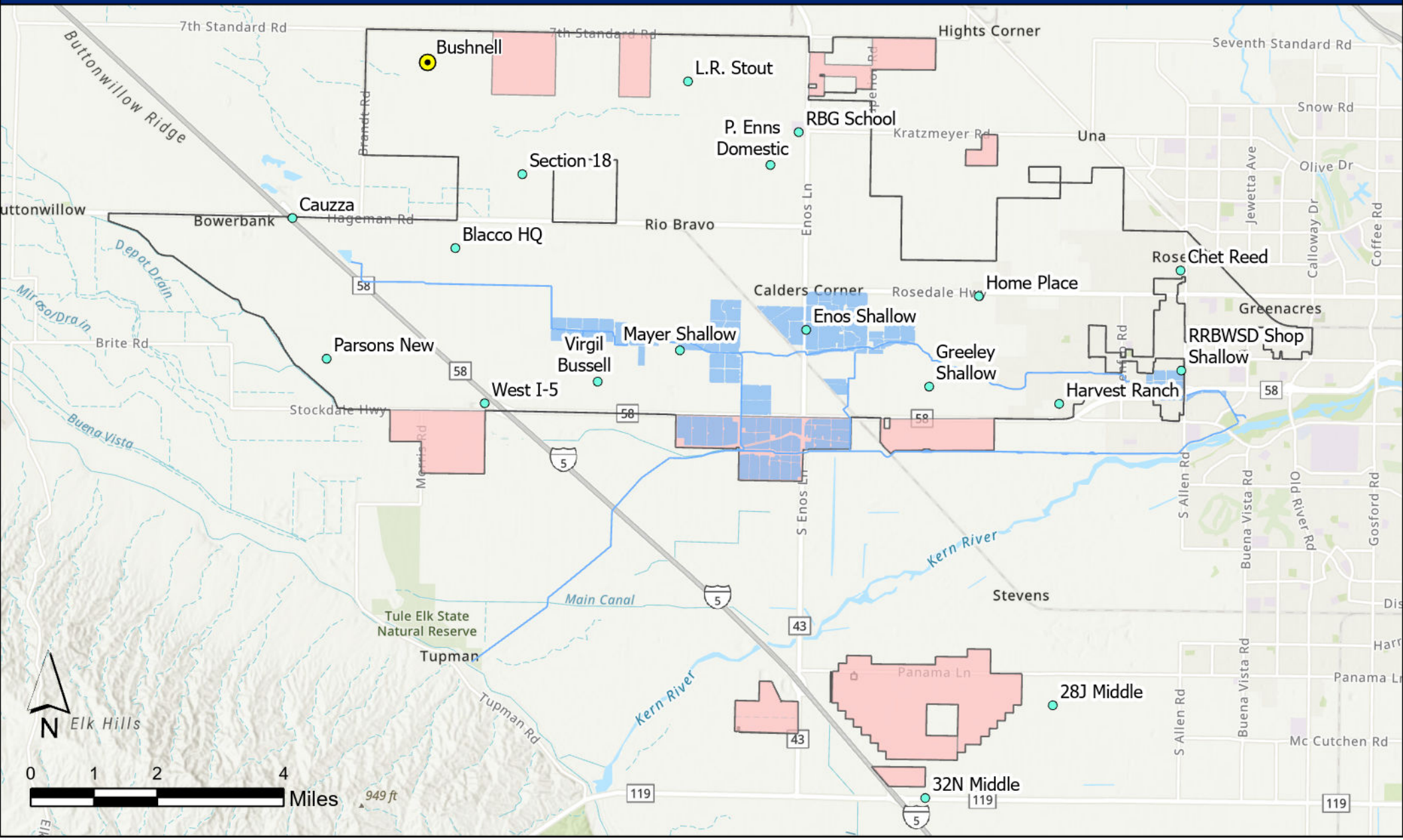

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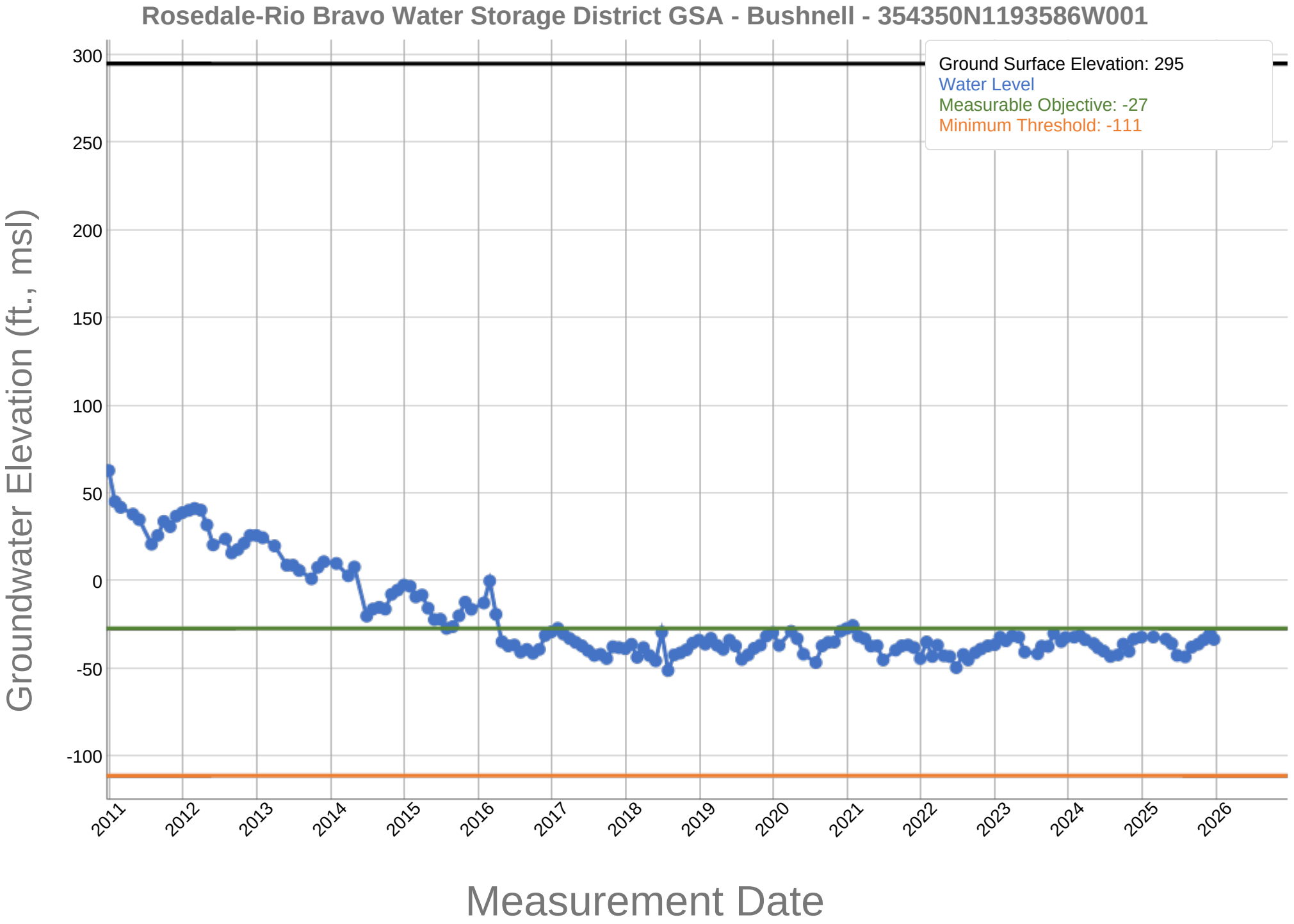
Rosedale-Rio Bravo Water Storage District GSA - Bushnell - 354350N1193586W001
Ground Surface Elevation: 295
Water Level
Measurable Objective: -27
Minimum Threshold: -111
Groundwater Elevation (ft., msl)
300
250
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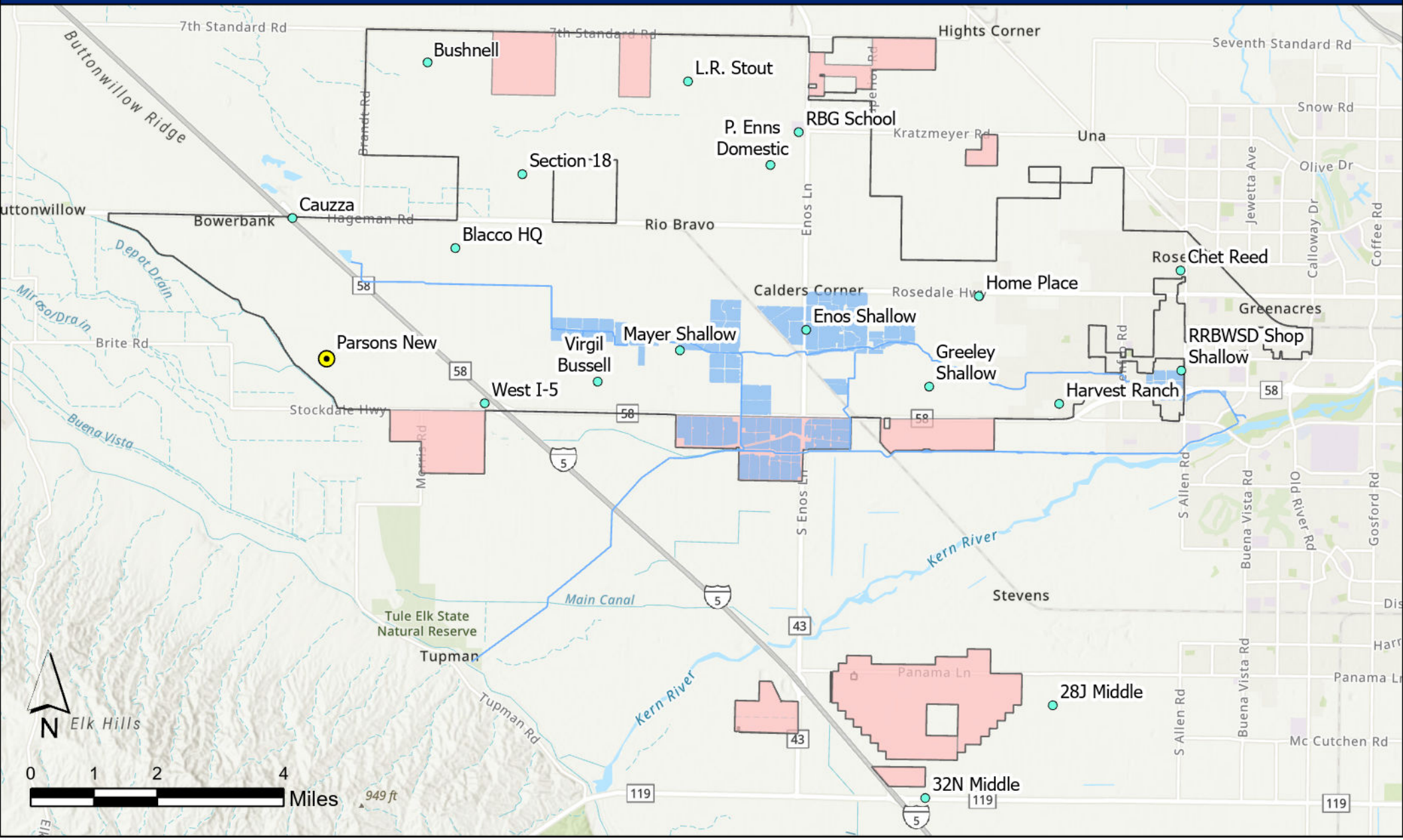
Measurement Date

Rosedale-Rio Bravo Water Storage District GSA Groundwater Level Monitoring Network
Bakersfield, CA



Water Level Representative Monitoring Wells (RMWs)

Conveyance Facilities

Recharge Ponds

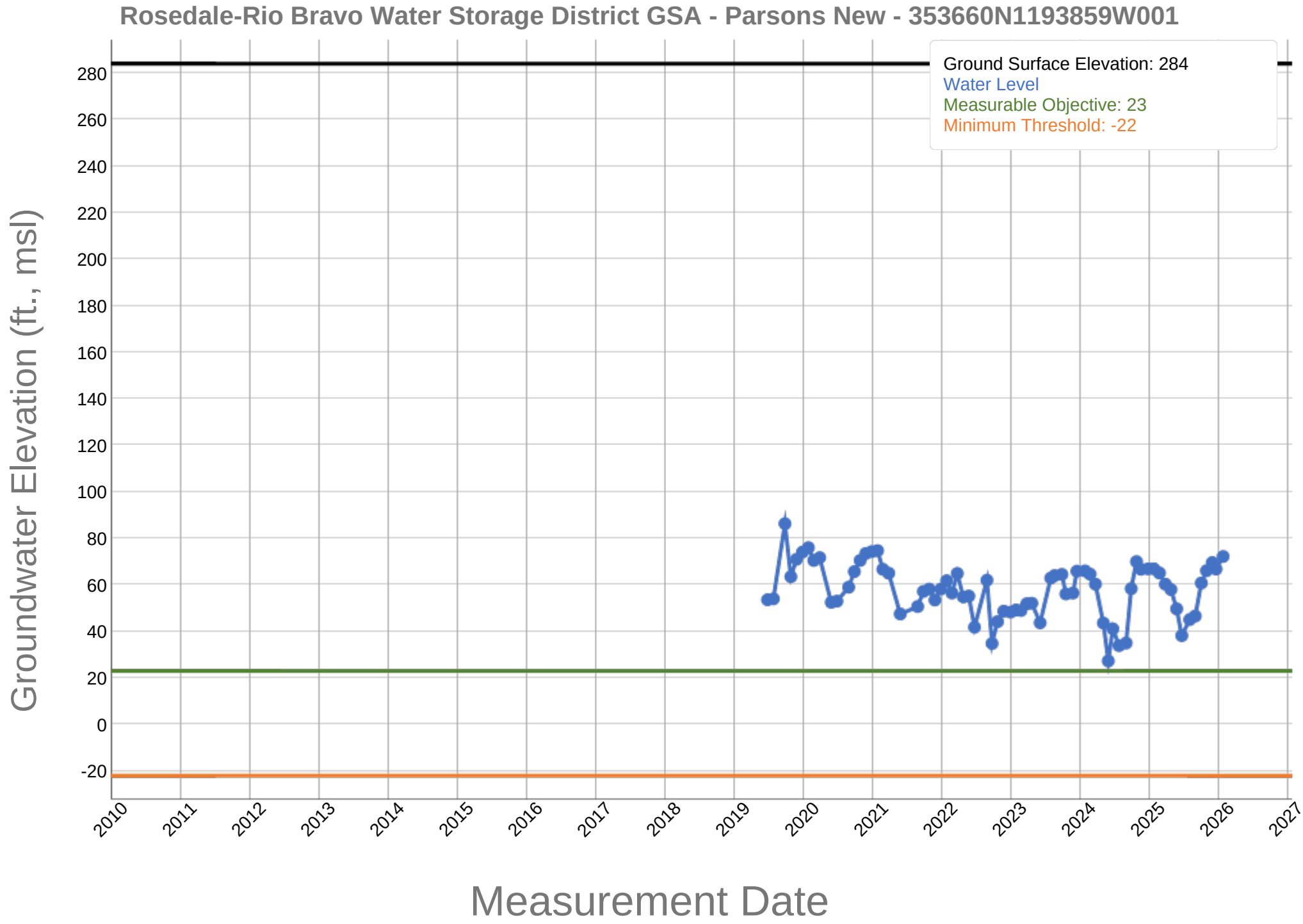
RRBWSD GSA White Lands

RRBWSD GSA Boundary

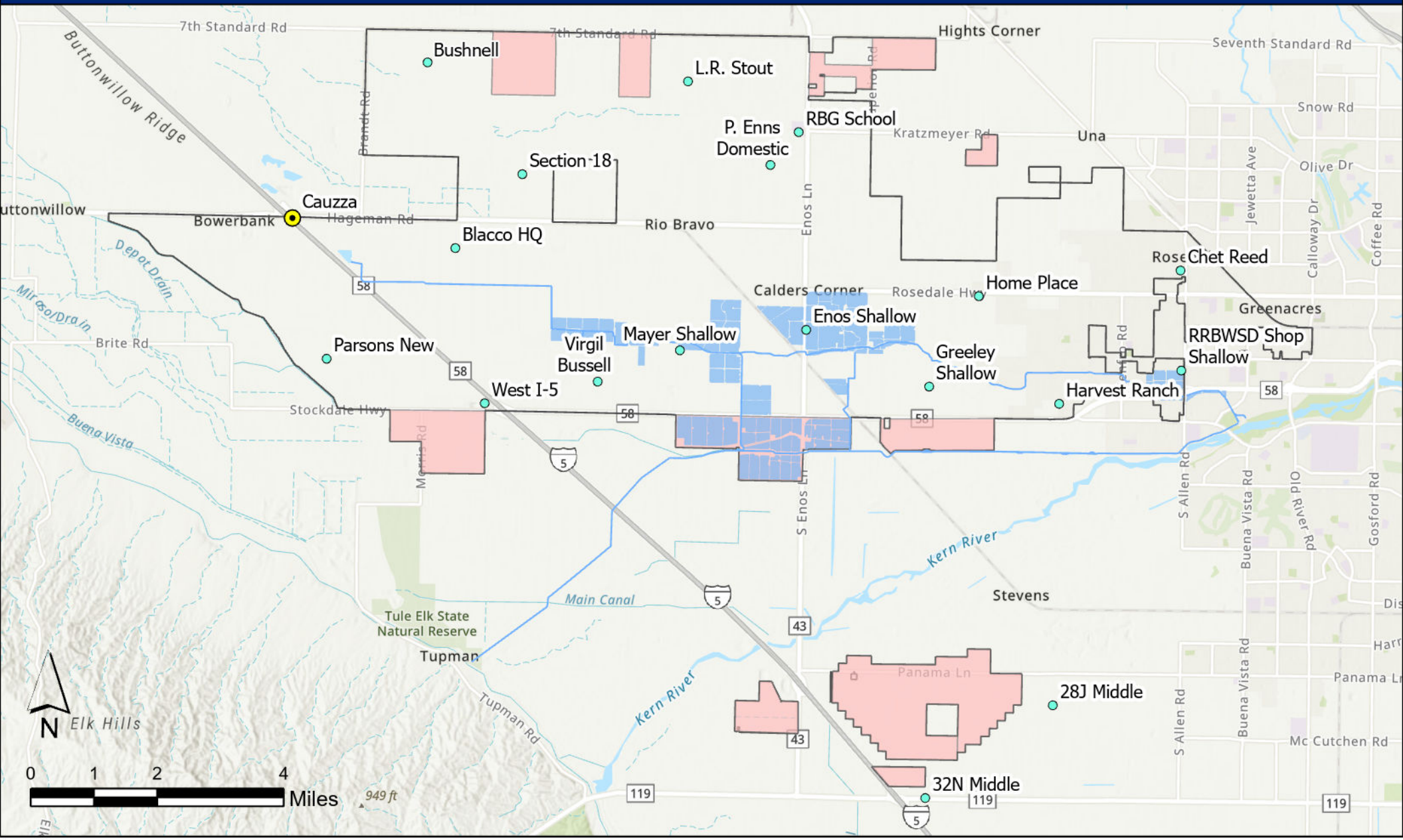
ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT

RRBWSD GSA

ROSEDALE RIO BRAVO WATER STORAGE DISTRICT GROUNDWATER SUSTAINABILITY AGENCY


Rosedale-Rio Bravo Water Storage District GSA - Parsons New - 353660N1193859W001
Ground Surface Elevation: 284
Water Level
Measurable Objective: 23
Minimum Threshold: -22
Groundwater Elevation (ft., msl)
280
260
240
220
200
180
160
140
120
100
80
60
40
20
0
-20
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
Measurement Date

Rosedale-Rio Bravo Water Storage District GSA Groundwater Level Monitoring Network
Bakersfield, CA



Water Level Representative Monitoring Wells (RMWs)

Conveyance Facilities

Recharge Ponds

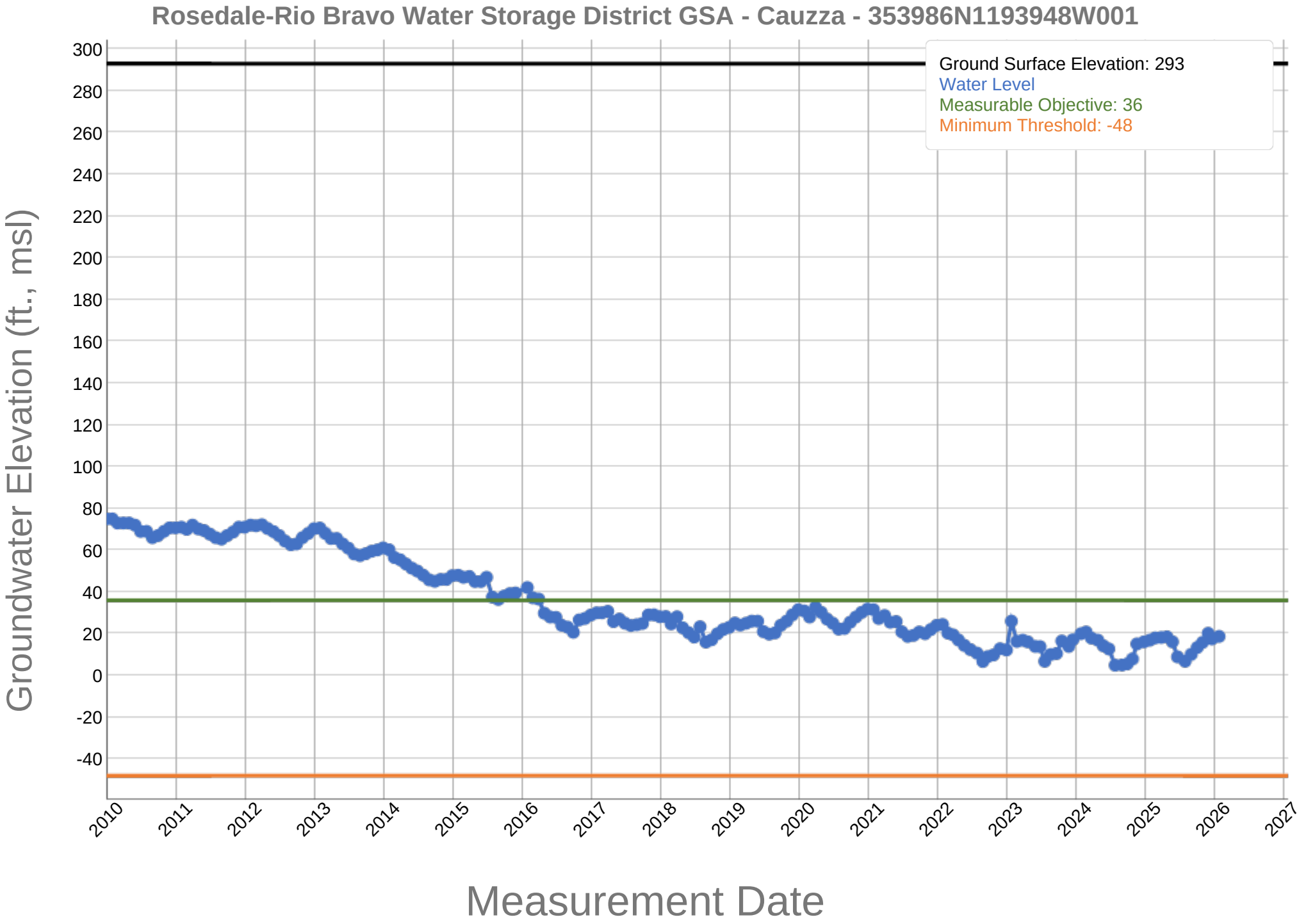
RRBWSD GSA White Lands

RRBWSD GSA Boundary

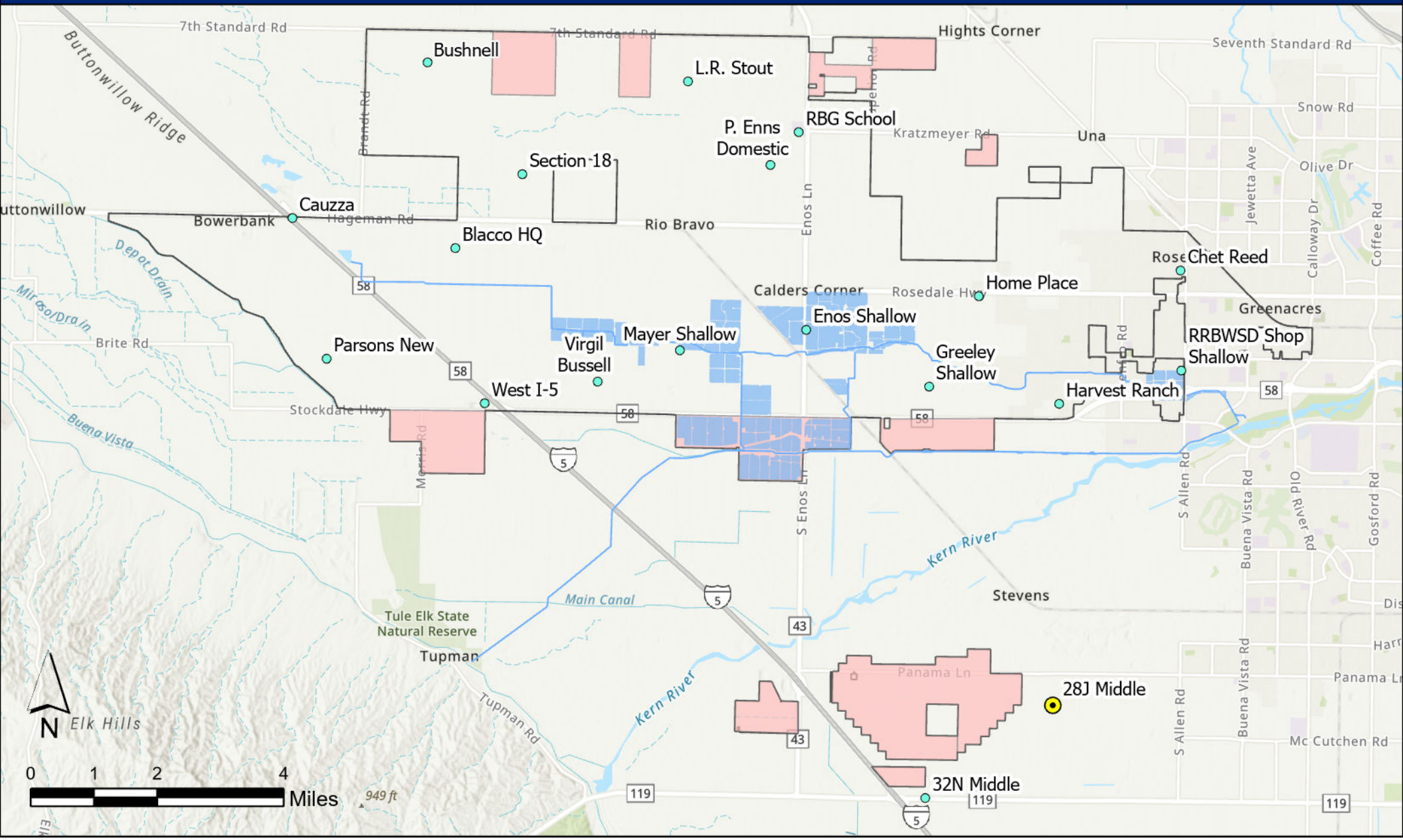
ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT

RRBWSD GSA

ROSEDALE RIO BRAVO WATER STORAGE DISTRICT GROUNDWATER SUSTAINABILITY AGENCY


Rosedale-Rio Bravo Water Storage District GSA - Cauzza - 353986N1193948W001
Ground Surface Elevation: 293
Water Level
Measurable Objective: 36
Minimum Threshold: -48
Groundwater Elevation (ft., msl)
300
280
260
240
220
200
180
160
140
120
100
80
60
40
20
0
-20
-40
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
Measurement Date

Rosedale-Rio Bravo Water Storage District GSA Groundwater Level Monitoring Network
Bakersfield, CA



Water Level Representative Monitoring Wells (RMWs)

Conveyance Facilities

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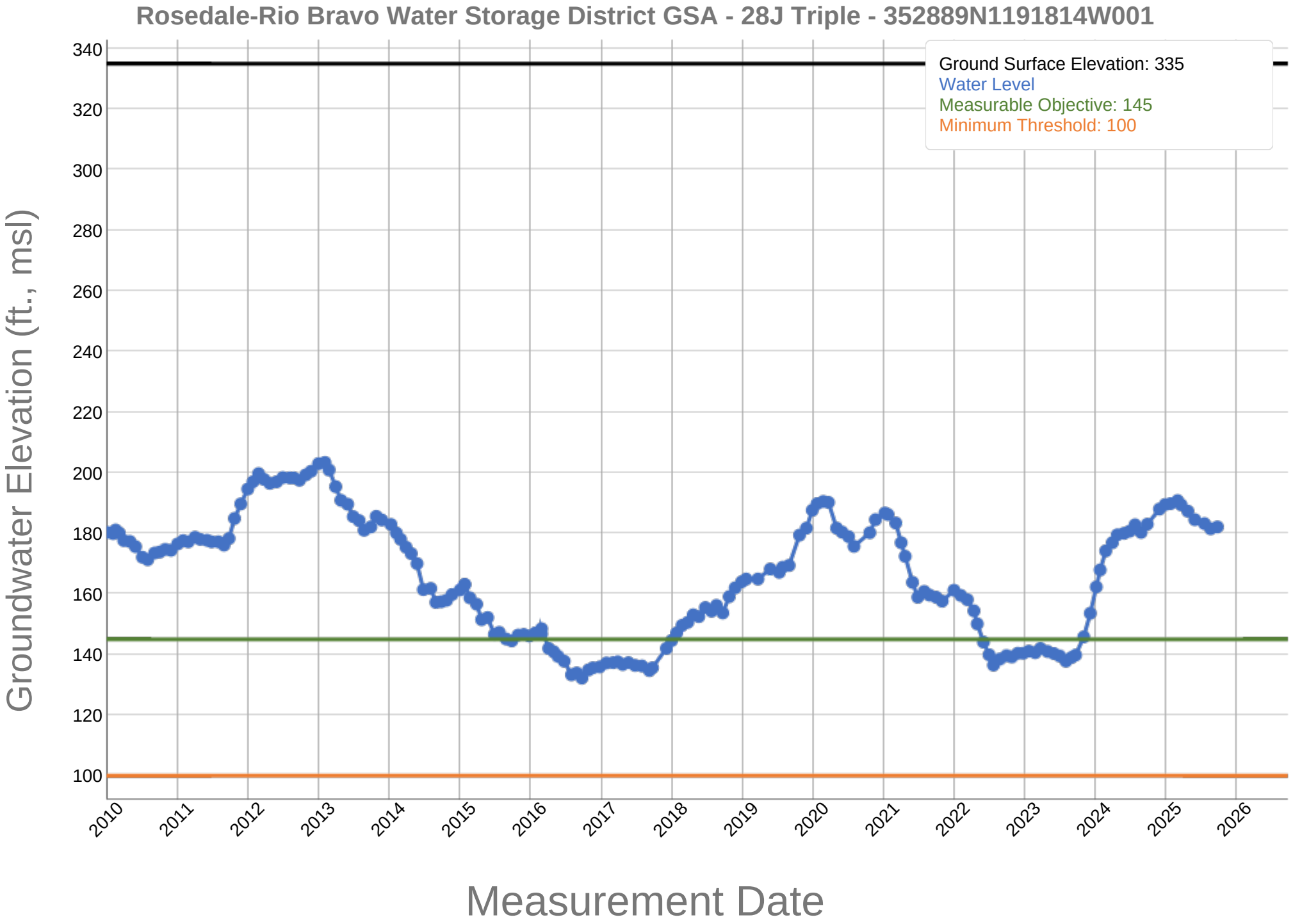
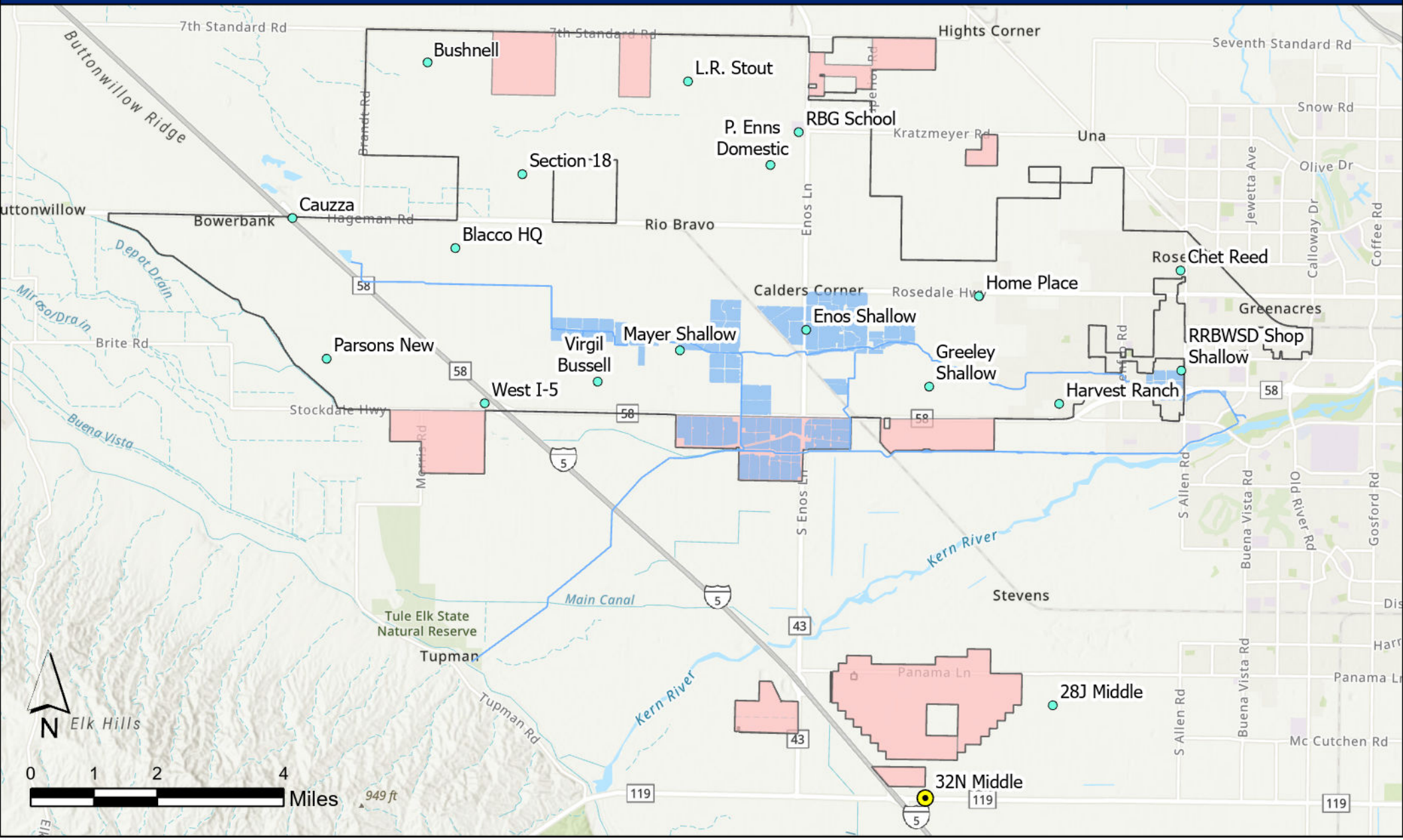
ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT

RRBWSD GSA

ROSEDALE RIO BRAVO WATER STORAGE DISTRICT GROUNDWATER SUSTAINABILITY AGENCY


Rosedale-Rio Bravo Water Storage District GSA - 28J Triple - 352889N1191814W001
Ground Surface Elevation: 335
Water Level
Measurable Objective: 145
Minimum Threshold: 100
Groundwater Elevation (ft., msl)
340
320
300
280
260
240
220
200
180
160
140
120
100
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
2026
Measurement Date

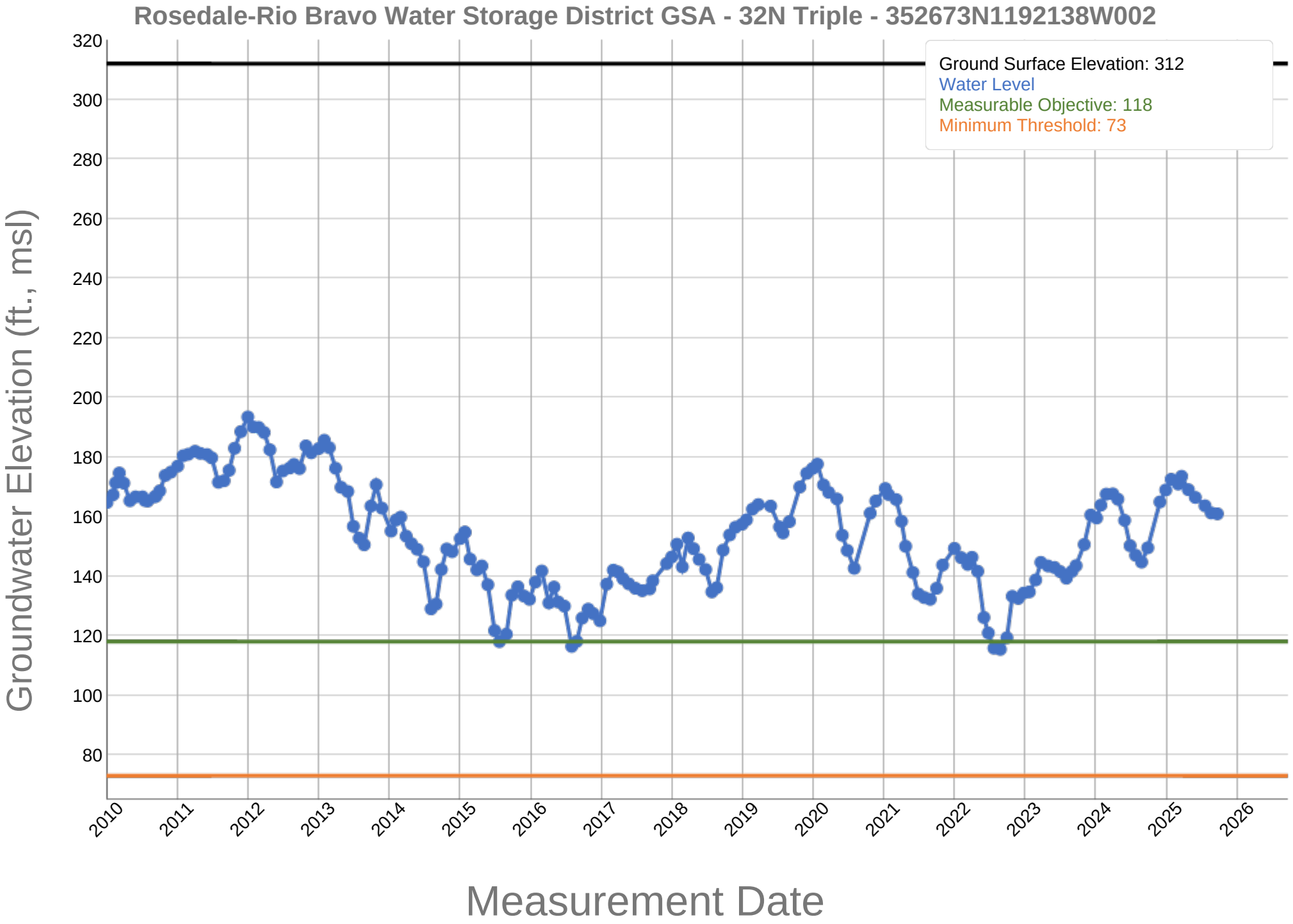
Rosedale-Rio Bravo Water Storage District GSA Groundwater Level Monitoring Network
Bakersfield, CA



- Water Level Representative Monitoring Wells (RMWs)
- Conveyance Facilities
- Recharge Ponds
- RRBWSD GSA White Lands
- RRBWSD GSA Boundary

ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT

RRBWSD GSA
ROSEDALE RIO BRAVO WATER STORAGE DISTRICT GROUNDWATER SUSTAINABILITY AGENCY


Rosedale-Rio Bravo Water Storage District GSA - 32N Triple - 352673N1192138W002
Ground Surface Elevation: 312
Water Level
Measurable Objective: 118
Minimum Threshold: 73
Groundwater Elevation (ft., msl)
320
300
280
260
240
220
200
180
160
140
120
100
80
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
2026
Measurement Date

ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT
GROUNDWATER SUSTAINABILITY AGENCY

849 Allen Road Bakersfield, CA 93314
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March 31, 2026

To: Stakeholder Advisory Group
Rosedale-Rio Bravo Water Storage District
Agenda Item: 1b

From: Rachelle Echeverria

Re: SGMA Sustainable Management Criteria (SMC) - Water Quality Monitoring Update

Discussion:

As part of ongoing compliance with the Sustainable Groundwater Management Act (SGMA), this memo provides an update on groundwater quality monitoring for the Kern Subbasin's Groundwater Sustainability Plan (GSP). This includes a summary of RRBWSD's current efforts to track water quality constituents at our Representative Monitoring Wells (RMWs).

Constituents of Concern

The amended Subbasin GSP identifies the following constituents for water quality monitoring:

- Arsenic
- Nitrate
- Nitrite
- Total Dissolved Solids (TDS)
- Uranium
- 1,2,3-Trichloropropane (TCP)

RRBWSD GSA's RMW Sites

The following RMWs are being utilized to monitor groundwater quality within our management area (see attached maps):

- Frito-Lay 1
- Enos Shallow
- RRB Shop Shallow
- P. Enns Domestic
- Home Place

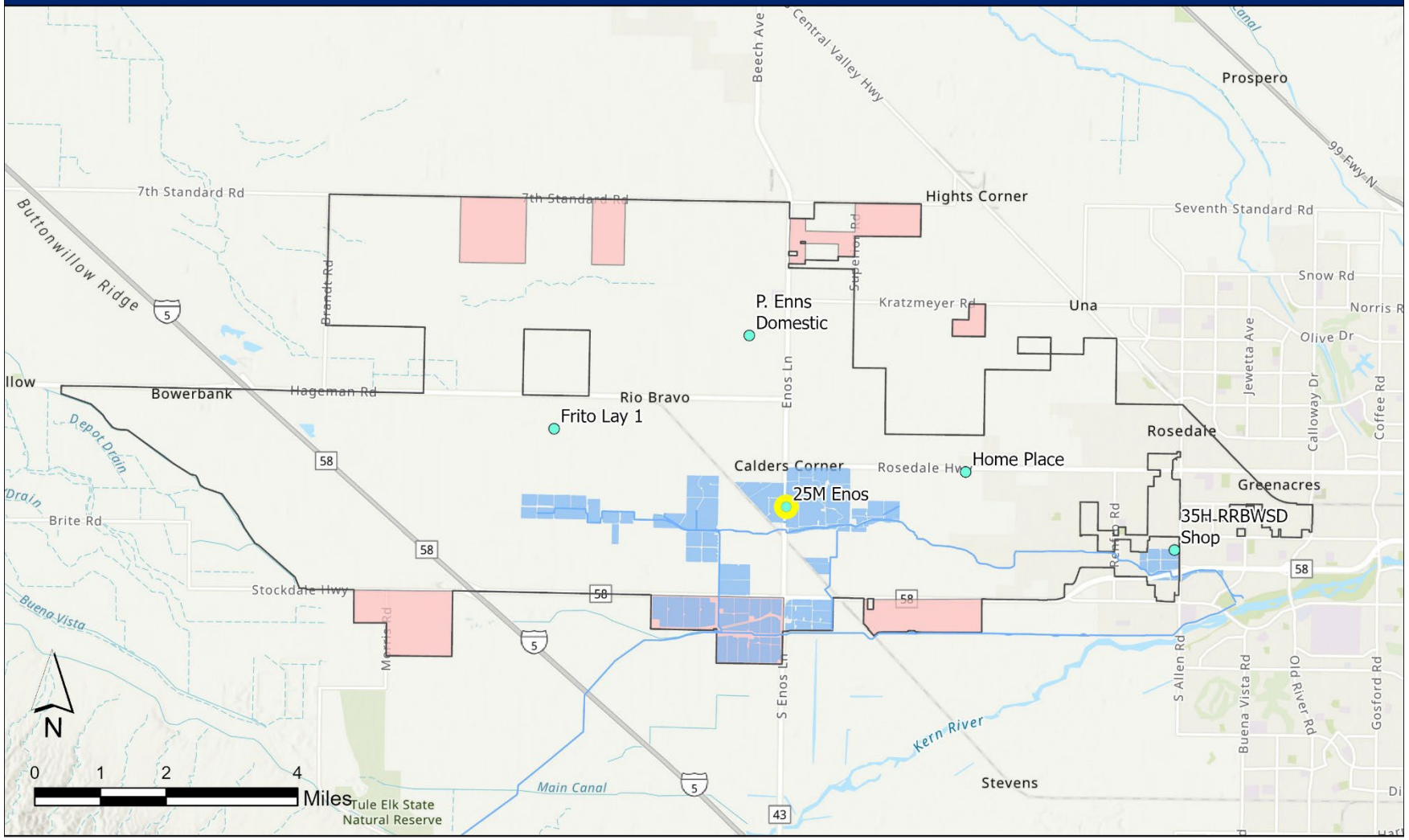
Taken From Amended Kern County Subbasin GSP: Table ES-1. Summary of Sustainable Management Criteria

Sustainability Indicator	Undesirable Result	Minimum Threshold	Measurable Objective
 Degraded Water Quality	One of the following occurs: (1) Subbasin-wide, 15 percent of the Representative Monitoring Well for Degraded Water Quality (RMW-WQs) exceed the MT for the constituents of concern per water year based on confirmed sample and MT Exceedance investigation results[1]. (2) Annually, five percent of domestic wells have an assumed MT exceedance[1] based on radius of influence analysis around the RMW-WQ that exceeds the MT, with a cumulative maximum of 15 percent of domestic wells through 2040. (3) Mitigation[1] backstop: a GSA is unable to meet well mitigation needs.	(1) MT is set as close to the water quality objective as feasible. (2) If historical data exceeds the water quality objective, and at least five sample results are available, then the MT is set at the 80th Percentile value. (3) When clear trends are present, discretion should be applied (a) If there is an increasing trend, set the MT at the 80th Percentile of the Pre-2015 data (b) If there is a decreasing trend, MT should be set at the median value or as close to the water quality objective as is reasonable. If the 80th Percentile is within 10 percent of the drinking water MCL, the MT should be set at the water quality objective. (4) Proxy data are predominantly used to demonstrate baseline conditions; however, data may be used when the RMW-WQ and Proxy Well are similar enough to represent the same lithology/aquifer conditions.	The water quality objective.

Notes:

1. Exceedances and mitigation applications are evaluated as defined in the Exceedance Policy and Action Plans (Appendix K-1) and Mitigation Programs (Appendix G).

RRBWSD GSA Groundwater Quality Monitoring Network
Bakersfield, CA

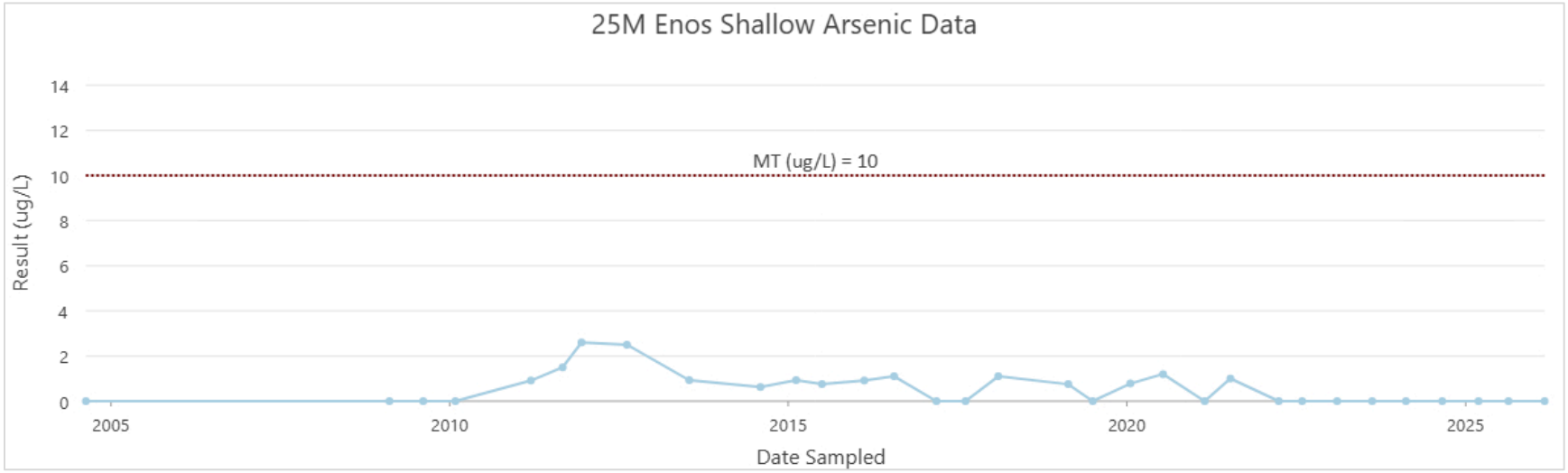


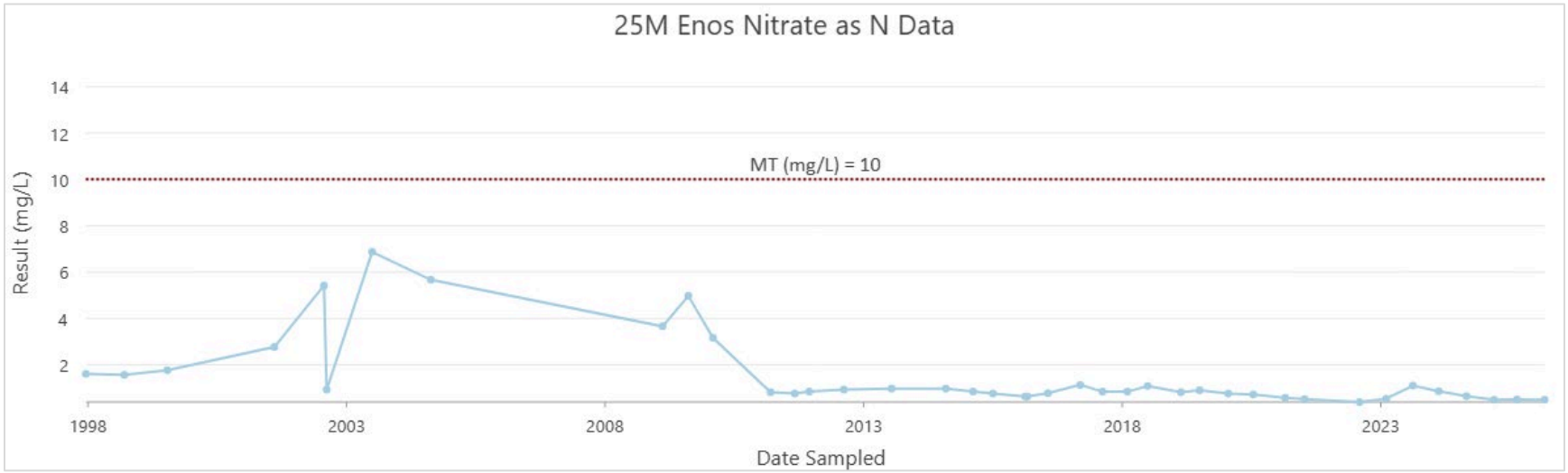
Recharge Basins
Conveyance Facilities
RRBWSD GSA Boundary
RRBWSD GSA White Lands
Water Quality RMWs

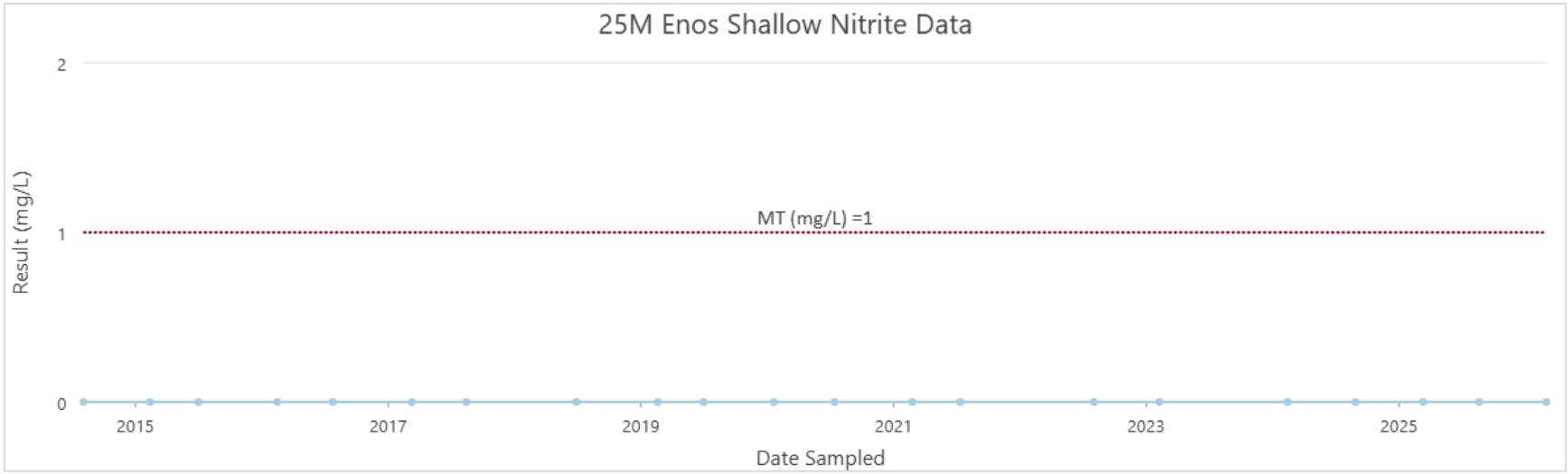
ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT

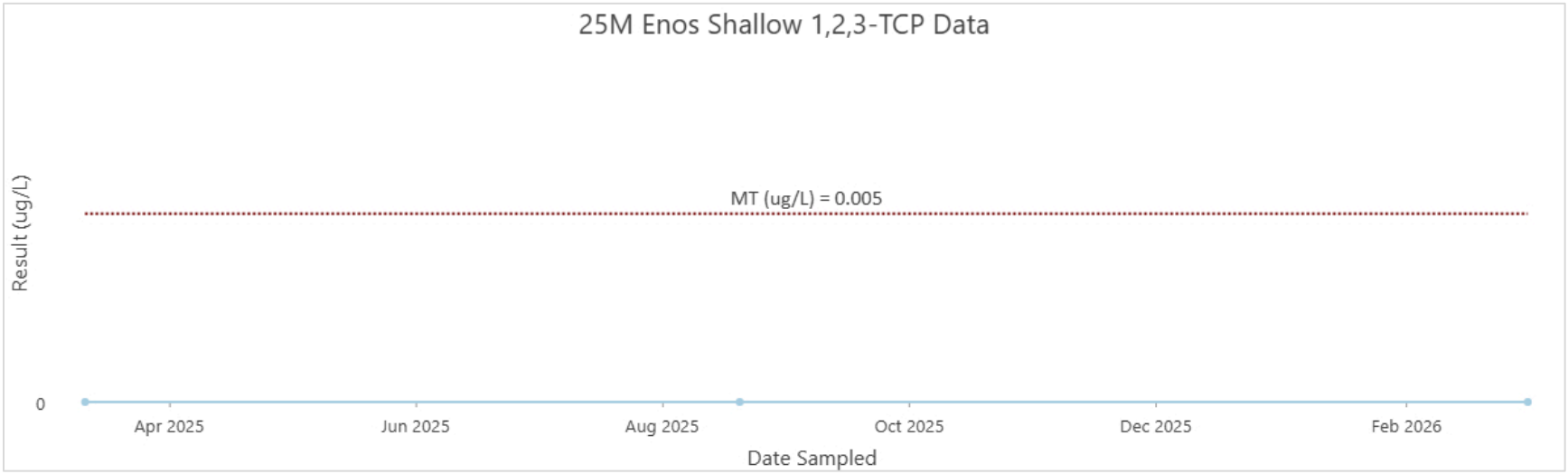
RRBWSD GSA
ROSEDALE RIO BRAVO WATER STORAGE DISTRICT
GROUNDWATER SUSTAINABILITY AGENCY

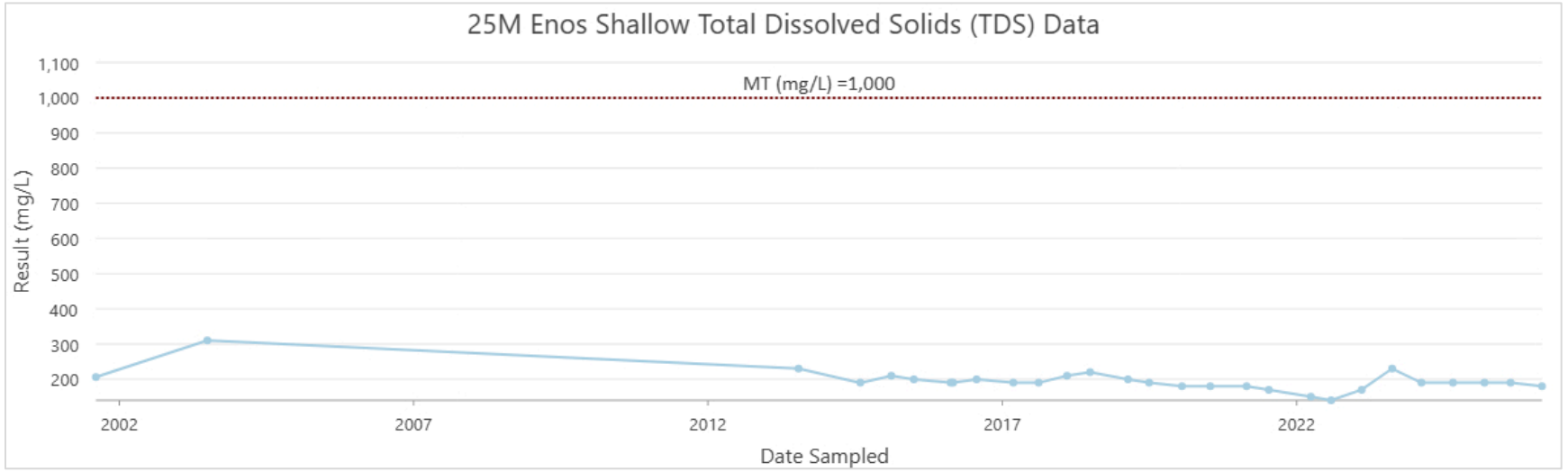
BUILDING A SUSTAINABLE WATER SUPPLY TO HELP OUR COMMUNITY THRIVE

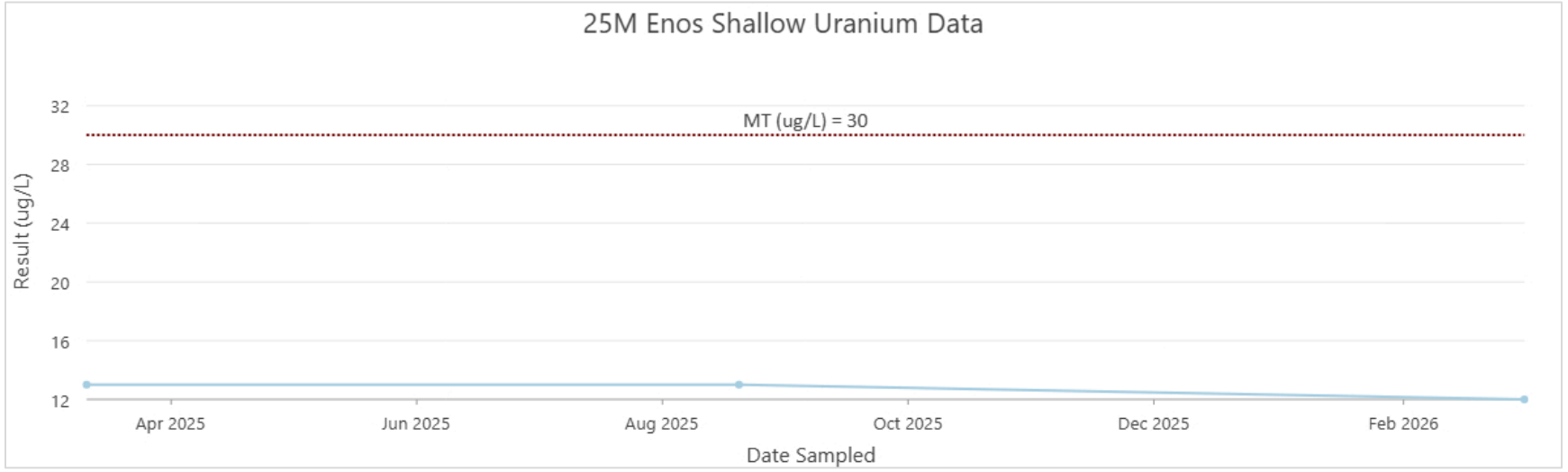

25M Enos Shallow Arsenic Data
14
12
10
8
6
4
2
0
MT (ug/L) = 10
Result (ug/L)
2005
2010
2015
2020
2025
Date Sampled


25M Enos Nitrate as N Data
14
12
10
8
6
4
2
MT (mg/L) = 10
Result (mg/L)
1998
2003
2008
2013
2018
2023
Date Sampled

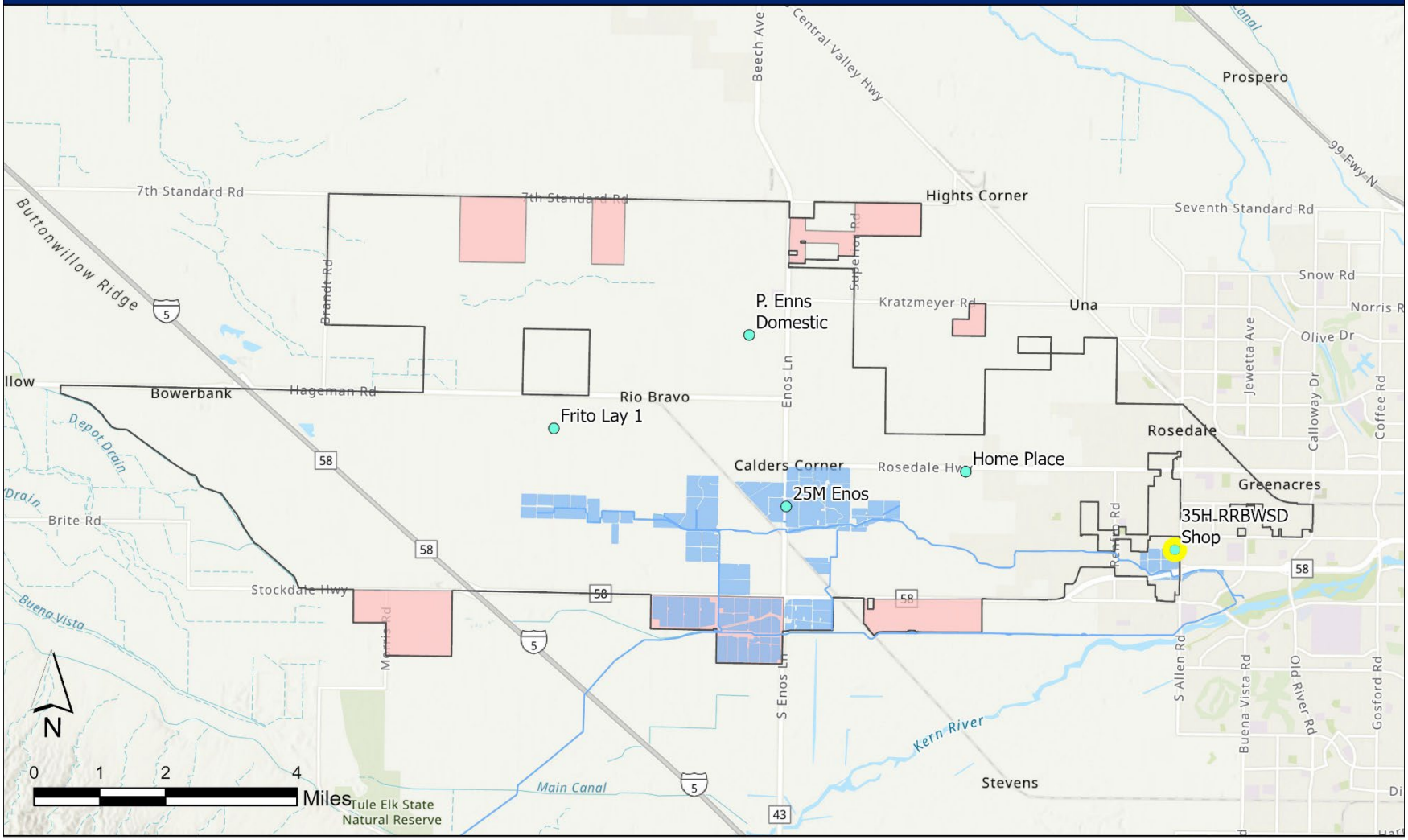

25M Enos Shallow Nitrite Data
2
1
0
Result (mg/L)
MT (mg/L) =1
2015
2017
2019
2021
2023
2025
Date Sampled


25M Enos Shallow 1,2,3-TCP Data
Result (ug/L)
MT (ug/L) = 0.005
0
Apr 2025
Jun 2025
Aug 2025
Oct 2025
Dec 2025
Feb 2026
Date Sampled


25M Enos Shallow Total Dissolved Solids (TDS) Data
MT (mg/L) =1,000
Result (mg/L)
1,100
1,000
900
800
700
600
500
400
300
200
2002
2007
2012
2017
2022
Date Sampled


25M Enos Shallow Uranium Data
MT (ug/L) = 30
Result (ug/L)
32
28
24
20
16
12
Apr 2025
Jun 2025
Aug 2025
Oct 2025
Dec 2025
Feb 2026
Date Sampled

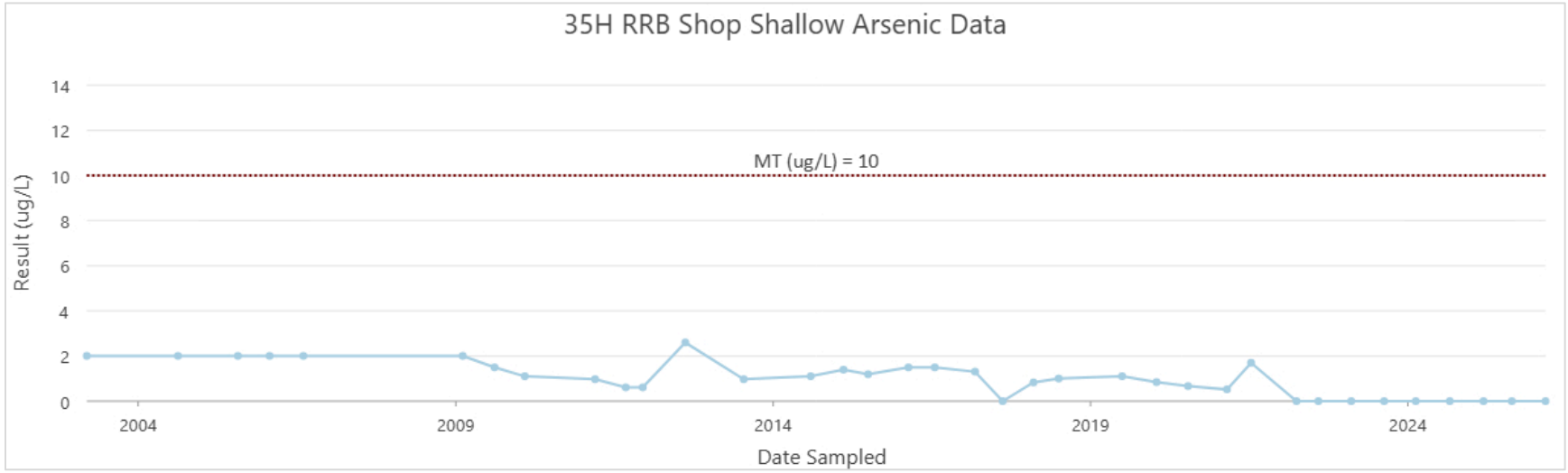
RRBWSD GSA Groundwater Quality Monitoring Network
Bakersfield, CA

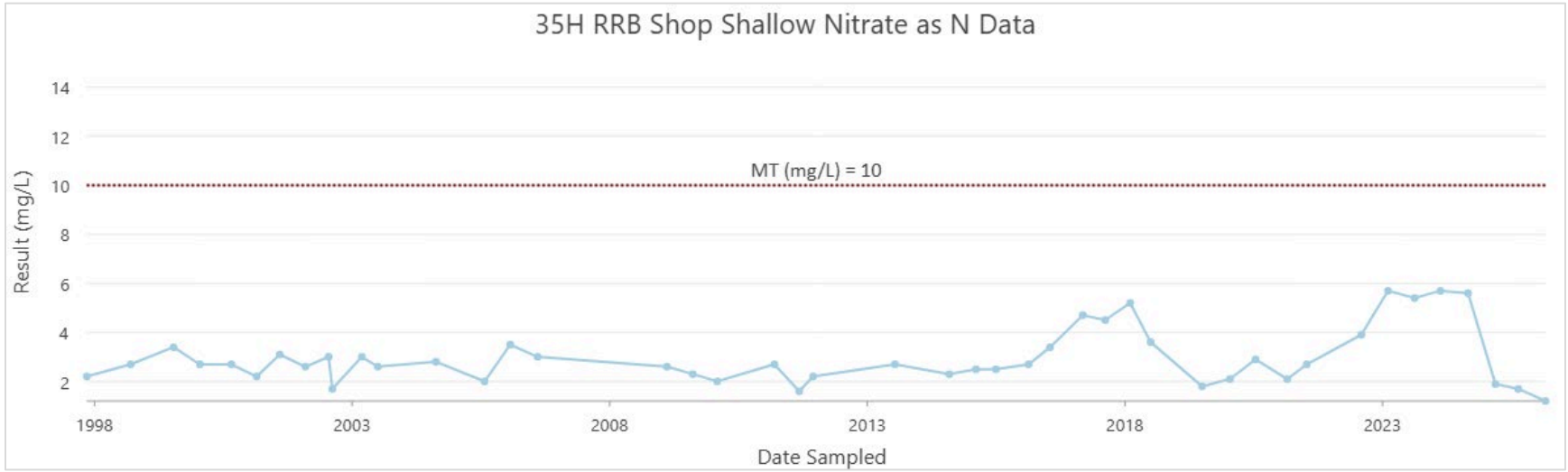


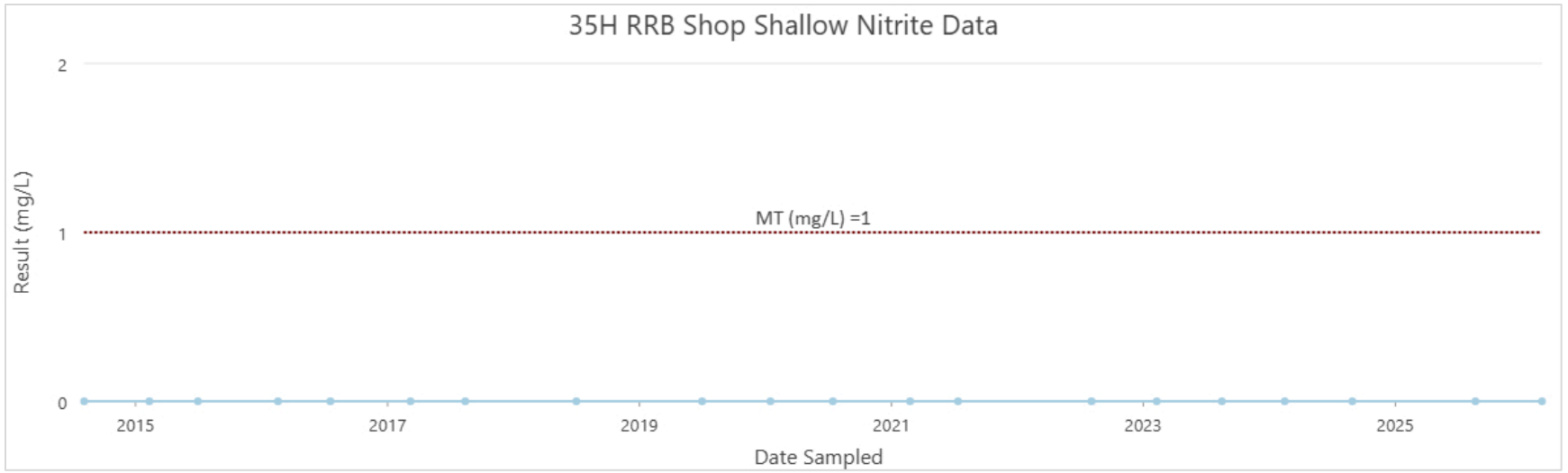
Recharge Basins
Conveyance Facilities
RRBWSD GSA Boundary
RRBWSD GSA White Lands
Water Quality RMWs

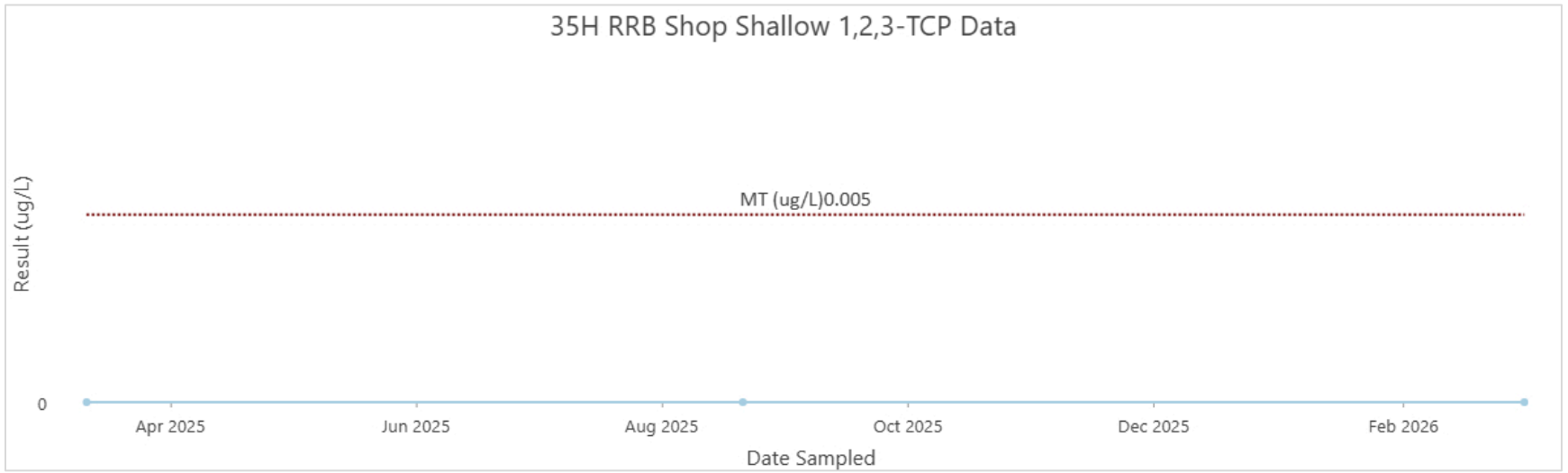
ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT

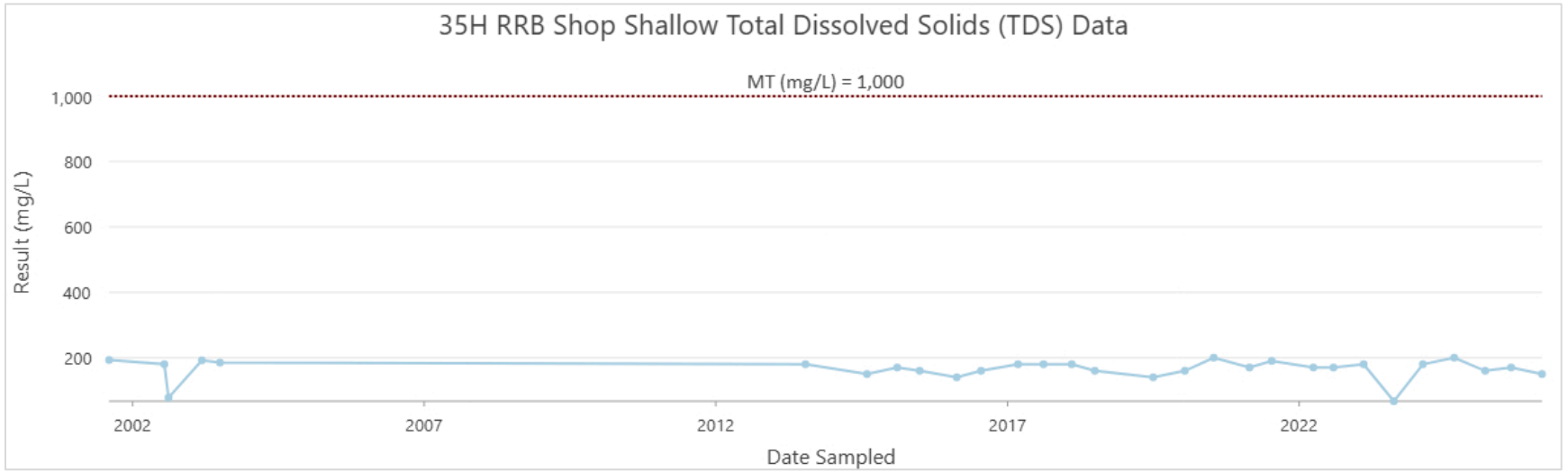
RRBWSD GSA
ROSEDALE RIO BRAVO WATER STORAGE DISTRICT
GROUNDWATER SUSTAINABILITY AGENCY

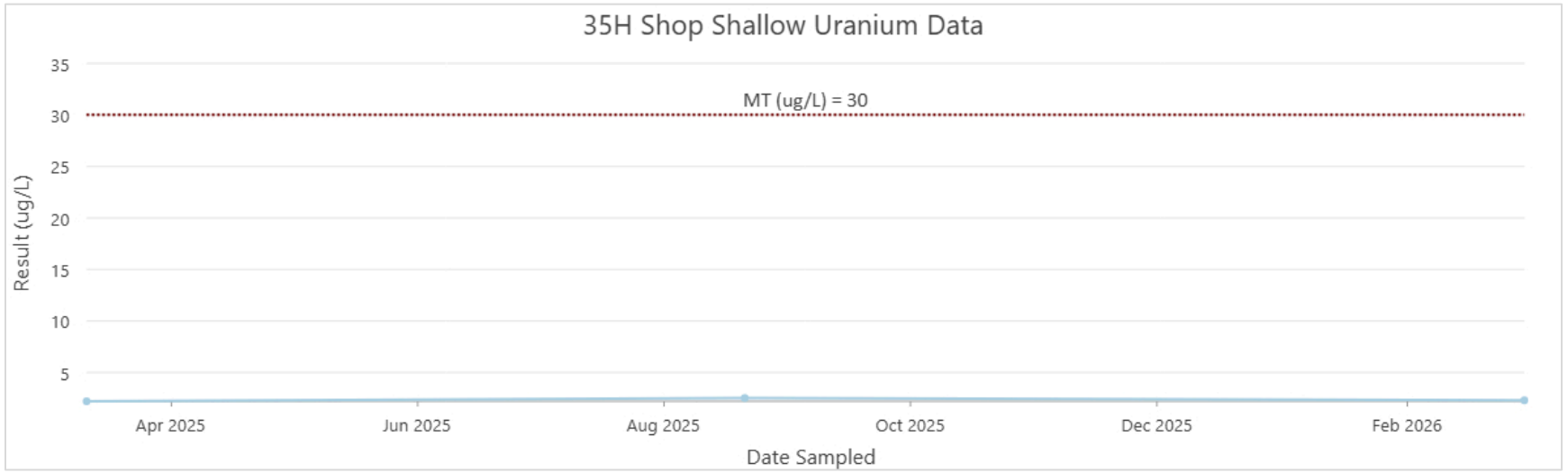

35H RRB Shop Shallow Arsenic Data
14
12
10
8
6
4
2
0
Result (ug/L)
MT (ug/L) = 10
2004
2009
2014
2019
2024
Date Sampled


35H RRB Shop Shallow Nitrate as N Data
14
12
10
8
6
4
2
Result (mg/L)
MT (mg/L) = 10
1998
2003
2008
2013
2018
2023
Date Sampled

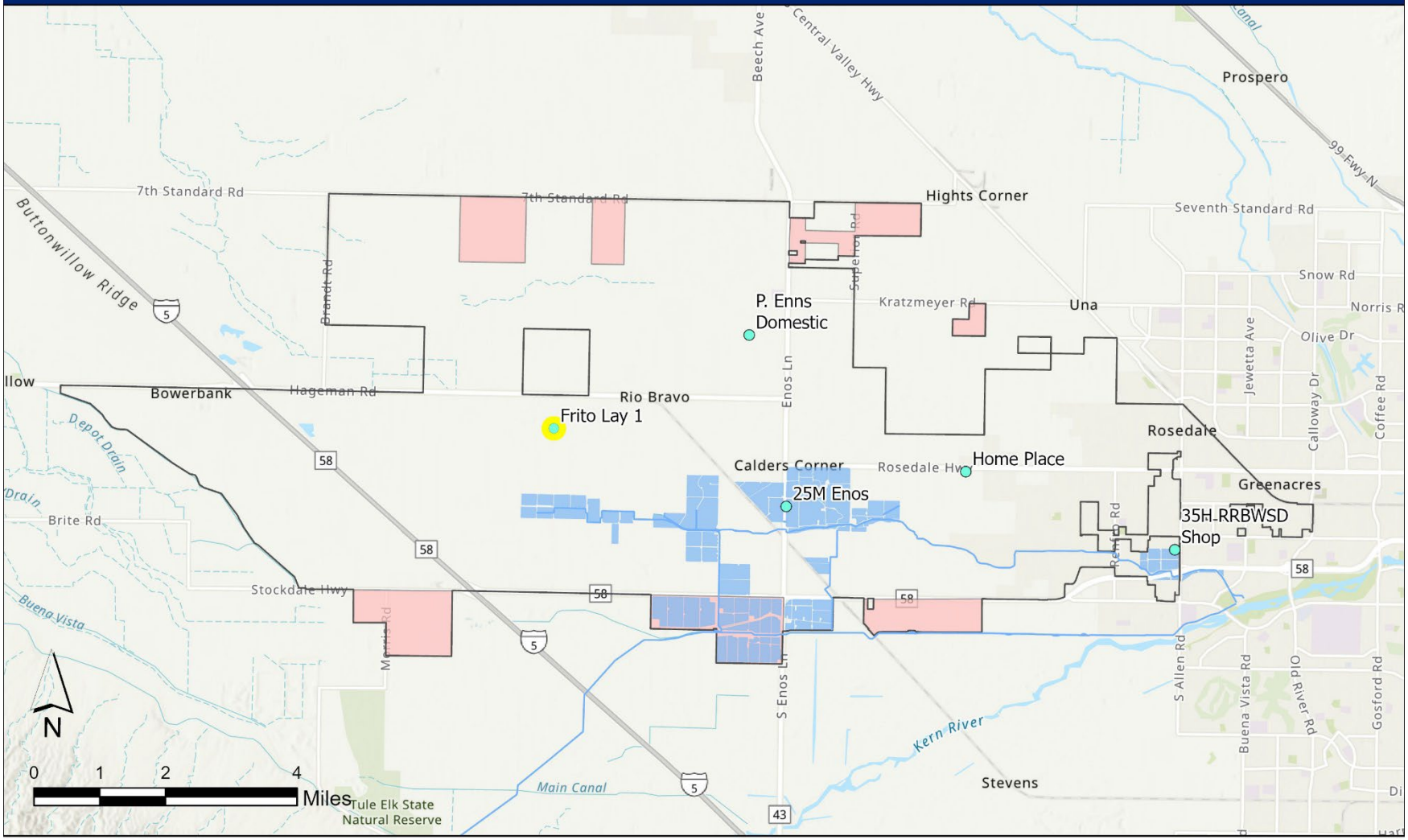

35H RRB Shop Shallow Nitrite Data
2
1
0
Result (mg/L)
MT (mg/L) =1
2015
2017
2019
2021
2023
2025
Date Sampled


35H RRB Shop Shallow 1,2,3-TCP Data
Result (ug/L)
MT (ug/L)0.005
0
Apr 2025
Jun 2025
Aug 2025
Oct 2025
Dec 2025
Feb 2026
Date Sampled


35H RRB Shop Shallow Total Dissolved Solids (TDS) Data
MT (mg/L) = 1,000
1,000
800
600
400
200
Result (mg/L)
2002
2007
2012
2017
2022
Date Sampled


35H Shop Shallow Uranium Data
MT (ug/L) = 30
35
30
25
20
15
10
5
Result (ug/L)
Apr 2025
Jun 2025
Aug 2025
Oct 2025
Dec 2025
Feb 2026
Date Sampled

RRBWSD GSA Groundwater Quality Monitoring Network
Bakersfield, CA



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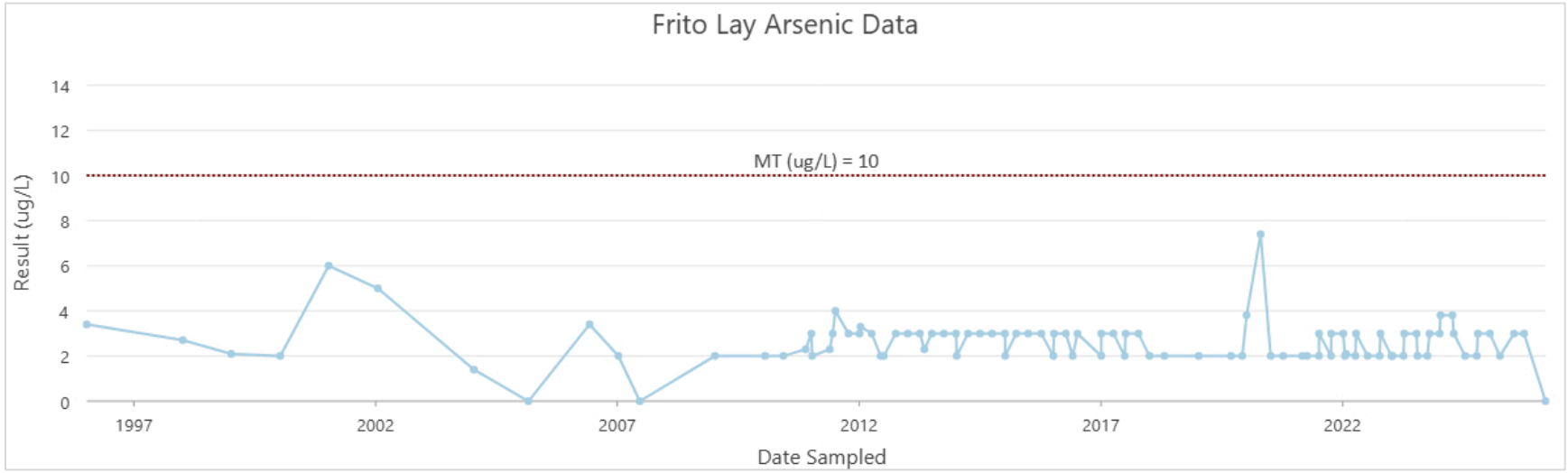
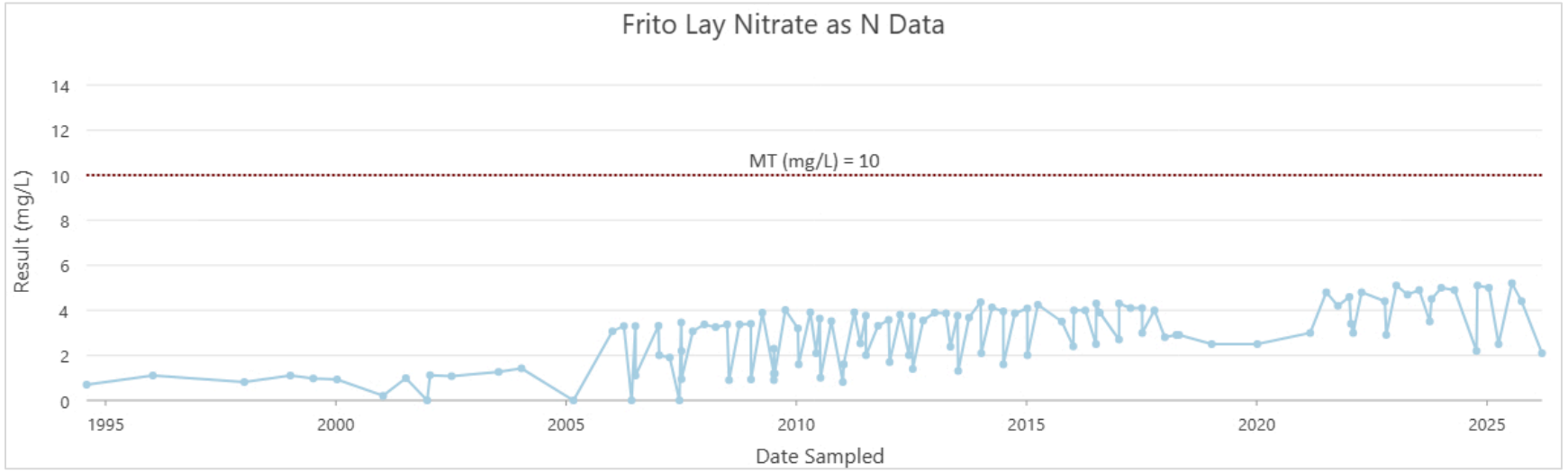
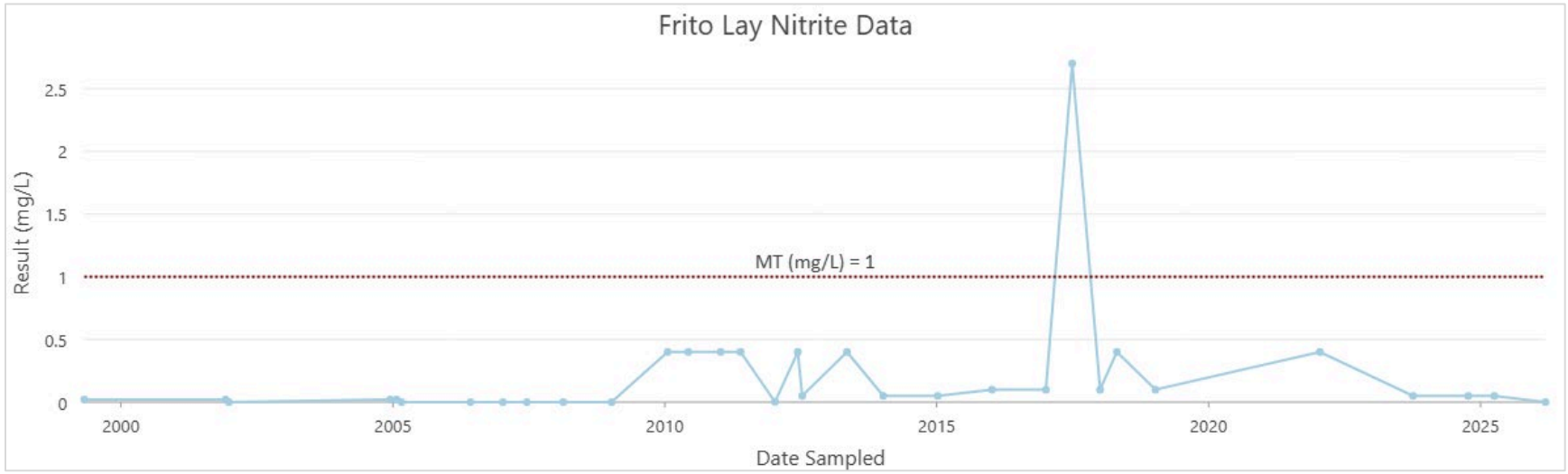
ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT

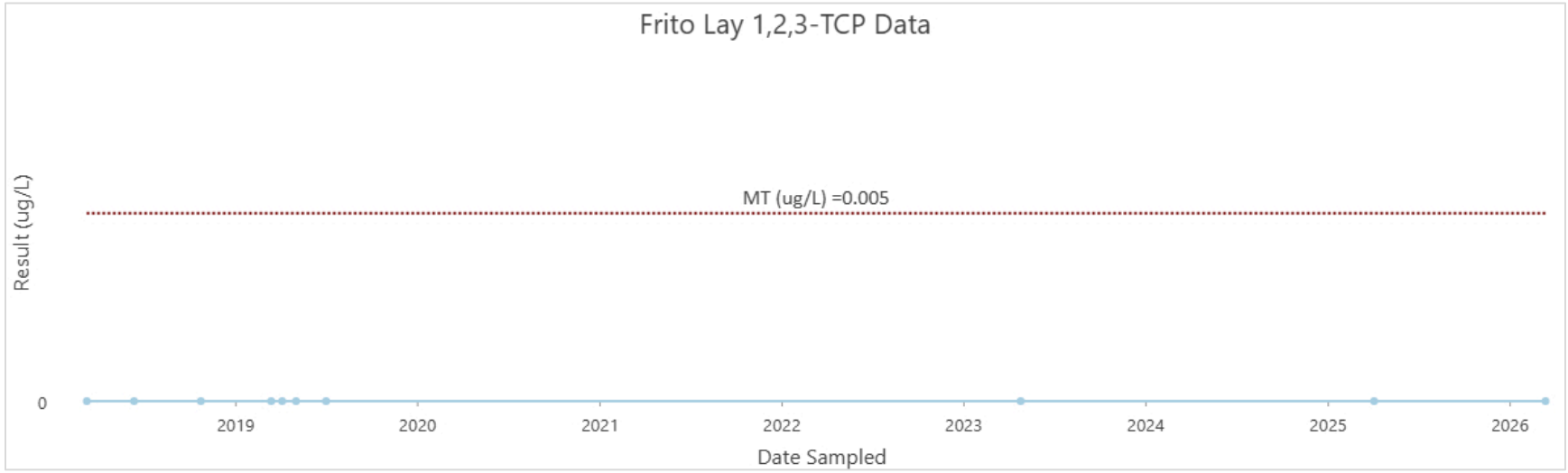
RRBWSD GSA
ROSEDALE RIO BRAVO WATER STORAGE DISTRICT
GROUNDWATER SUSTAINABILITY AGENCY

BUILDING A SUSTAINABLE WATER SUPPLY TO HELP OUR COMMUNITY THRIVE

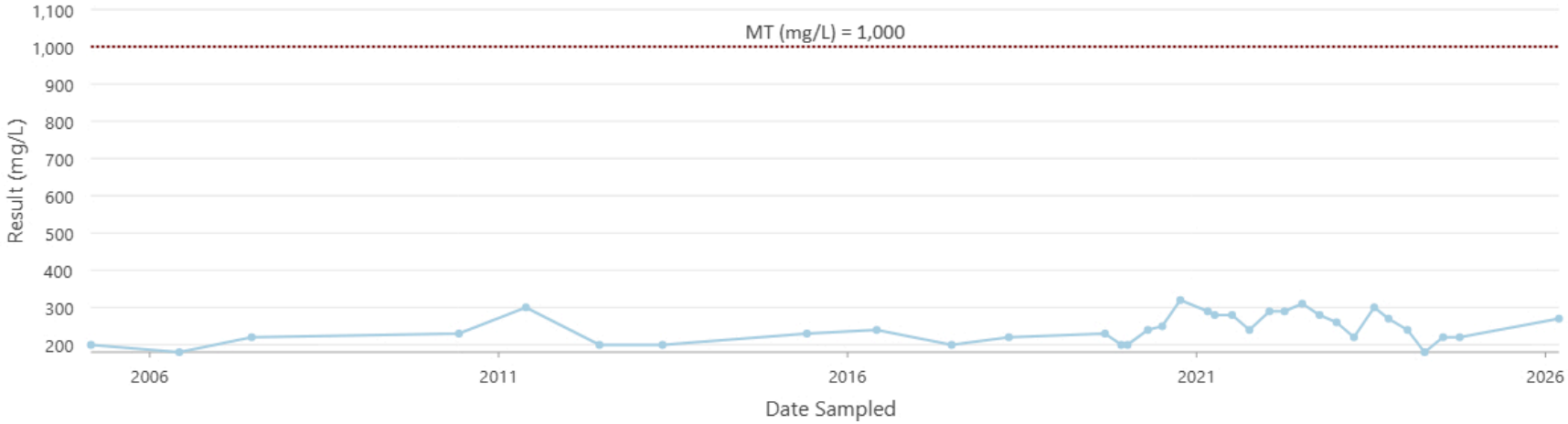

Frito Lay Arsenic Data
14
12
10
8
6
4
2
0
MT (ug/L) = 10
Result (ug/L)
1997
2002
2007
2012
2017
2022
Date Sampled


Frito Lay Nitrate as N Data
14
12
10
8
6
4
2
0
MT (mg/L) = 10
Result (mg/L)
1995
2000
2005
2010
2015
2020
2025
Date Sampled

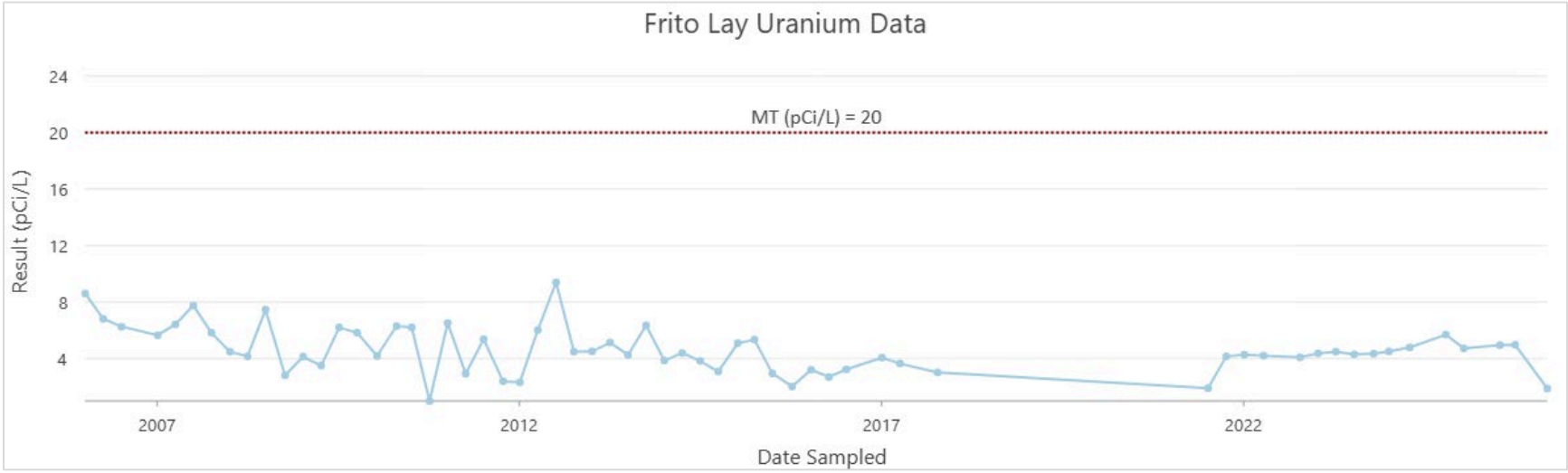

Frito Lay Nitrite Data
Result (mg/L)
2.5
2
1.5
1
0.5
0
MT (mg/L) = 1
2000
2005
2010
2015
2020
2025
Date Sampled


Frito Lay 1,2,3-TCP Data
Result (ug/L)
MT (ug/L) =0.005
0
2019
2020
2021
2022
2023
2024
2025
2026
Date Sampled

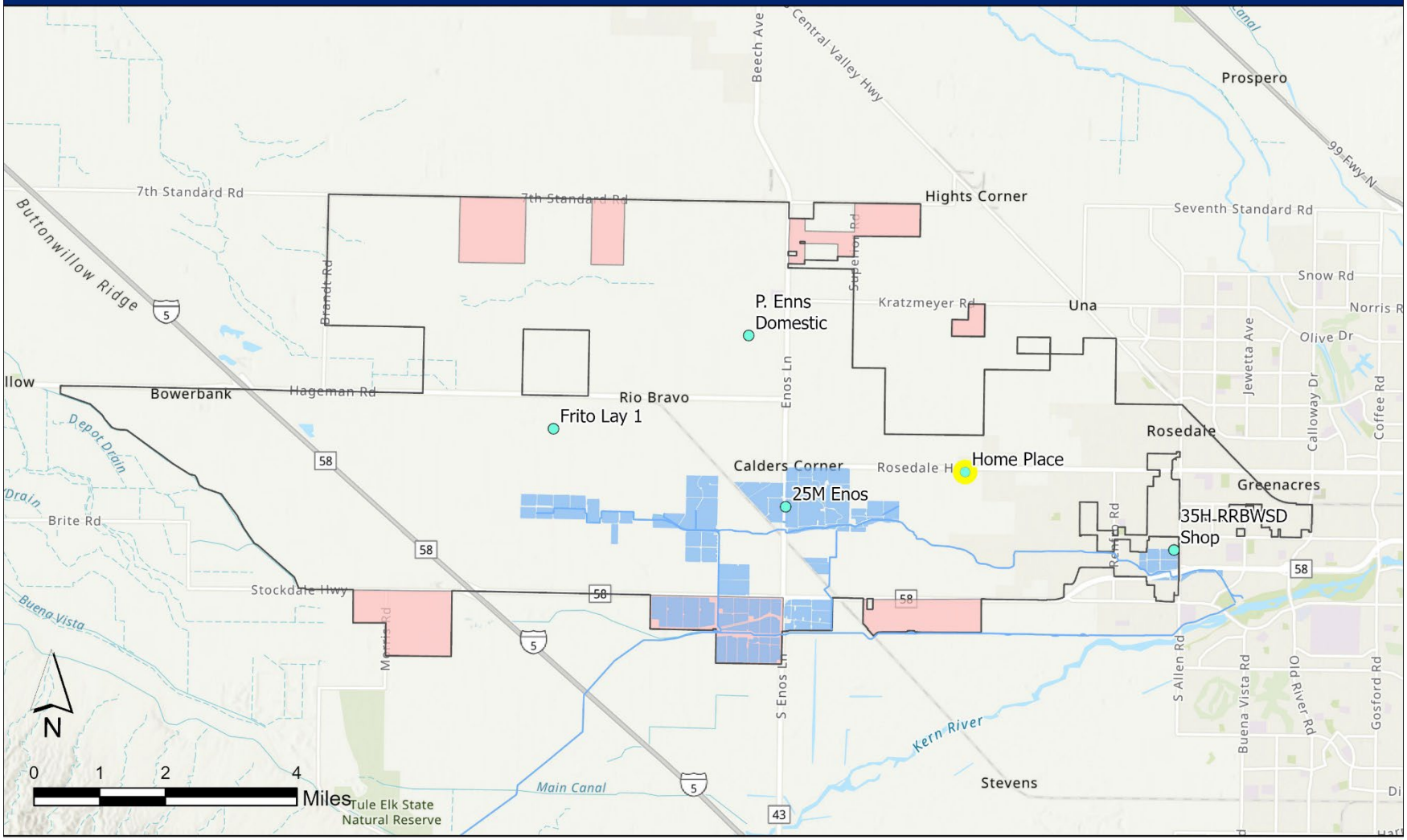
Frito Lay Total Dissolved Solids (TDS) Data



Frito Lay Uranium Data



RRBWSD GSA Groundwater Quality Monitoring Network
Bakersfield, CA



Recharge Basins
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Water Quality RMWs

ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT

RRBWSD GSA
ROSEDALE RIO BRAVO WATER STORAGE DISTRICT
GROUNDWATER SUSTAINABILITY AGENCY

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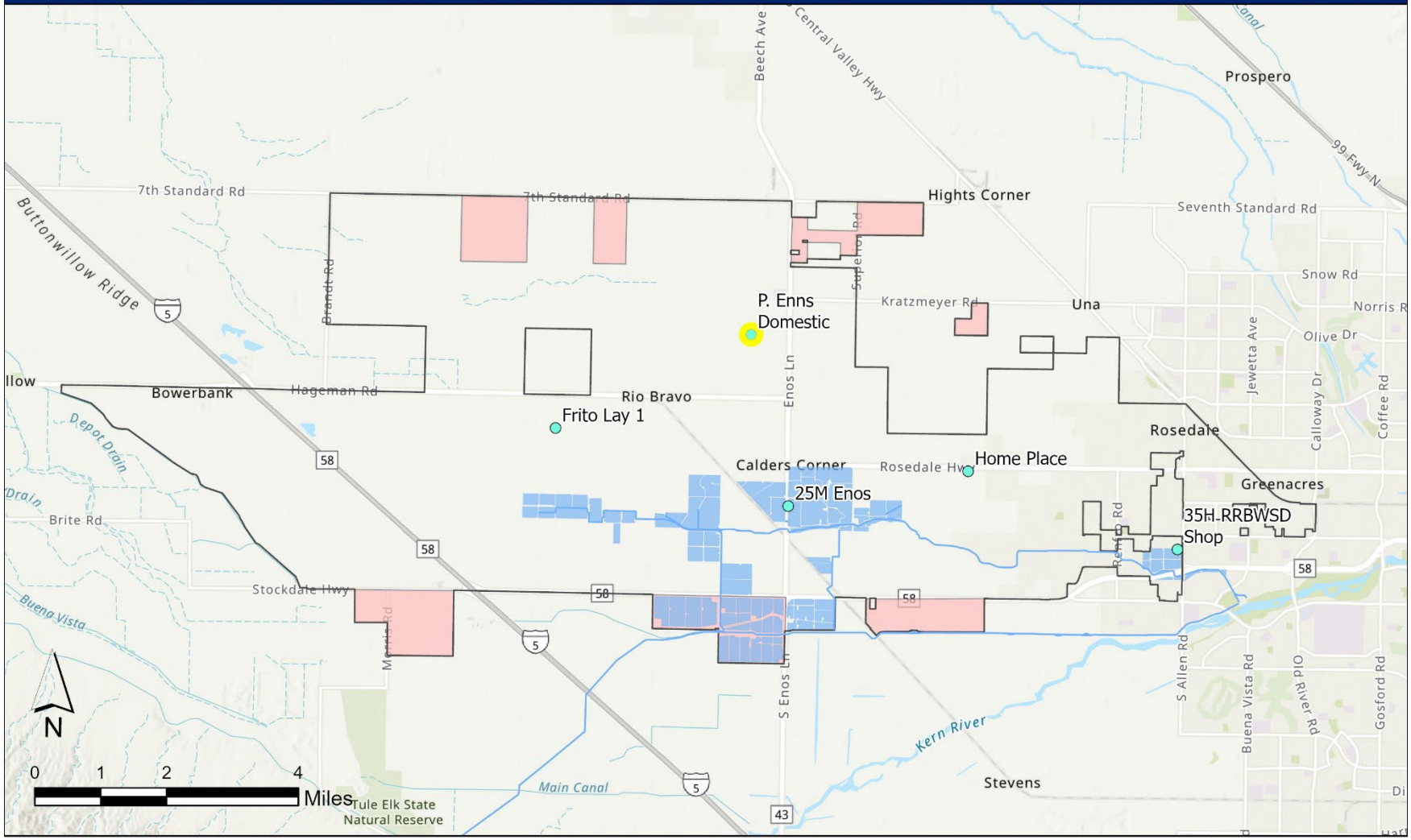
Bakersfield, CA



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GROUNDWATER SUSTAINABILITY AGENCY

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www.rrbwsd.com

March 31, 2026

To: Stakeholder Advisory Group
Rosedale-Rio Bravo Water Storage District
Agenda Item: 2a

From: Rachelle Echeverria/Markus Nygren

Re: RRB-3: McCaslin/Dillard Recharge Improvements Phase 2

Discussion:

P/MA Number	P/MA Name	Summary Description	Relevant Sustainability Indicators Affected		
			Groundwater Levels & Storage	Groundwater Quality	Land Subsidence
Projects		**Implemented** / **Functional** / **In-Process**		**As-Needed**	
RRB-3	**McCaslin/Dillard Recharge Improvements Phase 2**	Acquisition and retirement of 150 acres of irrigated ag lands and development of 150 acres of new recharge ponds. For conjunctive-use and 2:1 third-party banking.	✓	✓	✓

McCaslin North Groundwater Recharge Project

- Overview: The project builds on the previously certified Stockdale Integrated Banking Project EIR and will provide approximately 17,500 AFY of recharge capacity. The project includes the construction of two recharge ponds (53 and 43 acres), one recovery well, and control structures.
- Status: completed CEQA EIR Addendum; construction expected early this fall, pending biological surveys.
- CEQA Document: Link to Stockdale Integrated Banking Project EIR Addendum

Dillard Groundwater Recharge and Solar Array Project

- Overview: The project is designed to expand Rosedale's groundwater recharge capacity by ~6,000 AFY across ~50 acres of recharge basins. A solar array component was originally planned to power pumps and provide shading to improve recharge efficiency, though the solar component is currently tentative due to PG&E-related permitting challenges.
- Status: MND released for public review on March 13, 2026.
- CEQA Document: Link to Dillard Initial Study-Mitigated Negative Declaration

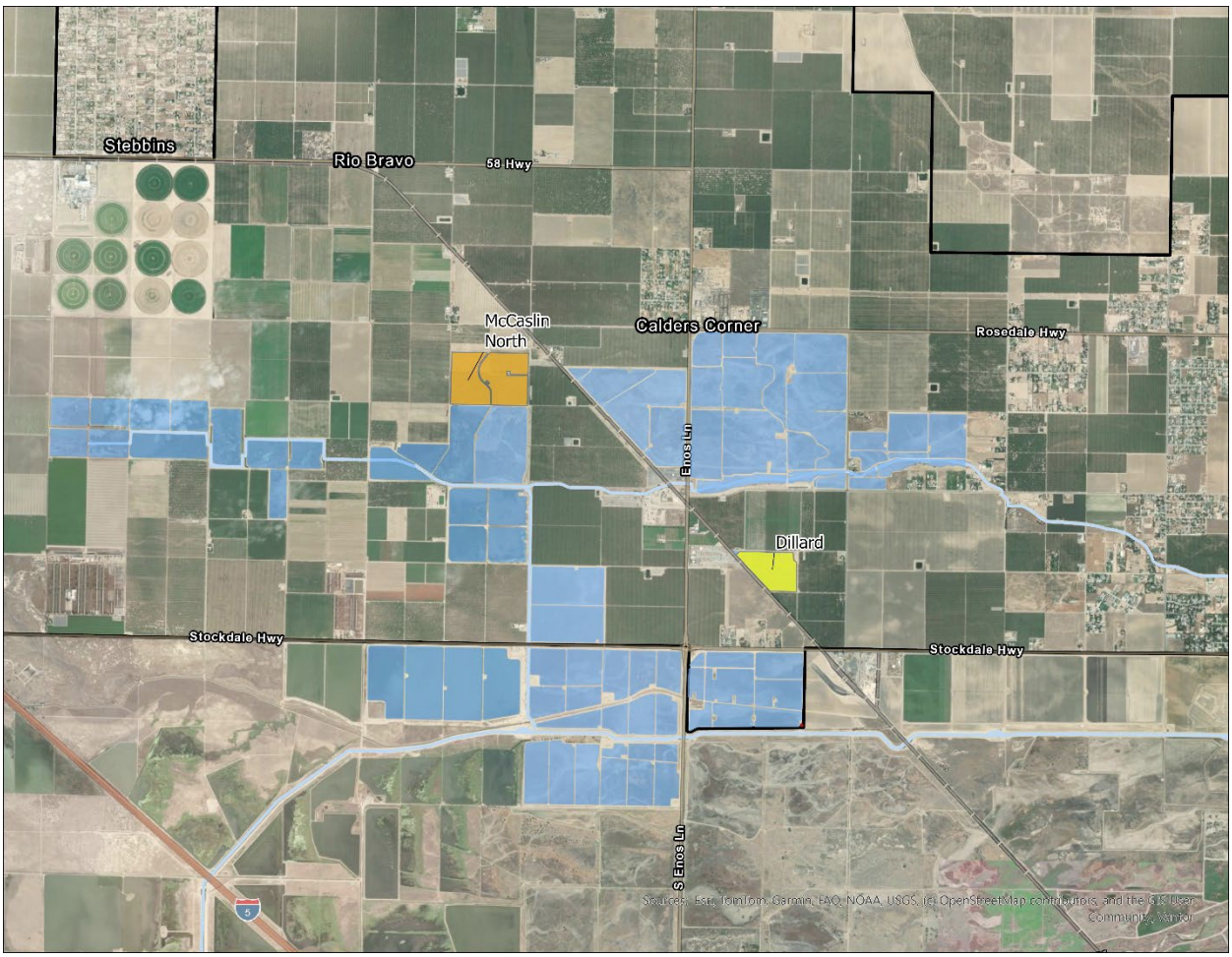

Figure 1. McCaslin North (orange) and Dillard (yellow) Project Areas

ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT
GROUNDWATER SUSTAINABILITY AGENCY

849 Allen Road Bakersfield, CA 93314
(661)589-6045
www.rrbwsd.com

March 31, 2026

To: Stakeholder Advisory Group
Rosedale-Rio Bravo Water Storage District
Agenda Item: 2b

From: Dan Bartel

Re: RRB-4: Kern Fan Project

Discussion:

P/MA Number	P/MA Name	Summary Description	Relevant Sustainability Indicators Affected		
			Groundwater Levels & Storage	Groundwater Quality	Land Subsidence
Projects		**Implemented** / **Functional** / **In-Process**		**As-Needed**	
RRB-4	**Kern Fan Water Storage Project Phase 1**	Acquisition and retirement of 350 acres of irrigated ag lands, and development of 350 acres of new recharge ponds. For conjunctive-use and 2:1 third-party banking.	✓	✓	✓

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

January 23, 2026

Dan Bartel
c/o Groundwater Banking Joint Powers Authority (GBJPA)
849 Allen Road
Bakersfield, CA 93314

Re: Phase I – Well Drilling and Equipping Project
Weekly Report (Weeks 13-23)

Mr. Bartel,

This serves as a project update for Weeks 13-23 of the Phase I – Well Drilling and Equipping Project.

Phase 1 – Well Drilling & Equipping – Bakersfield Well & Pump Co.

Project Status as of:	**1-23-26**	**Contract Totals**	
Notice to Proceed:	7-1-25	Contract Amount:	$5,622,221.00
Contract Duration:	325	Change Orders:	-
Completion Date:	5-21-26	Revised Amount:	-
Elapsed Days:	206	Work Completed:	$2,928,979.00
Remaining Days:	-	% Completed:	52%
Change Order – Days:	-		

Bakersfield Well and Pump completed the construction and development for Stockdale North Well #2. The well was developed by pumping and surging for approximately 67.5 hours. The step test was completed at flow rates of 2,000 gpm, 2,500 gpm, 3,500 gpm, and 4,000 gpm with a constant rate test completed at 3,000 gpm on December 17th, 2025. A draft pump test report was received from Thomas Harder & Co. and recommended a pumping rate of 3,000 gpm with a pump depth setting of 500-ft below ground surface. Water quality samples were collected and results received on January 7th, 2026. The water quality was good with arsenic at 9.2 ppb and the 1,2,3-TCP at 1 ppt.

Well videos and alignment surveys were conducted at the four wells on January 21st and January 22nd, 2026.

The construction crew for BW&P has been working at all four well sites installing underground electrical conduits, grounding, and formwork, reinforcement steel, and concrete placement for well foundations and electrical pads.

Sincerely,

Curtis Skaggs

Curtis M. Skaggs, P.E.

Pictures (11-10-25 thru 1-23-26)

Drilling Rig Demobilization at SN-2

Well Development at SN-2

Well Foundation at WE-AG

Well Foundation at WE-AG

Well Foundation at WE-AG

Well Foundation at SN-1

Electrical Conduit Installation

MCC Pad at WE-AG

MCC Pad and Well Foundation at SN-2

ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT
GROUNDWATER SUSTAINABILITY AGENCY

849 Allen Road Bakersfield, CA 93314
(661)589-6045
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March 31, 2026

To: Stakeholder Advisory Group
Rosedale-Rio Bravo Water Storage District
Agenda Item: 2c

From: Dan Bartel

Re: RRB-5: Onyx Ranch Project

Discussion:

P/MA Number	P/MA Name	Summary Description	Relevant Sustainability Indicators Affected		
			Groundwater Levels & Storage	Groundwater Quality	Land Subsidence
Projects		**Implemented** / **Functional** / **In-Process**		**As-Needed**	
RRB-5	**Onyx Ranch Water Acquisition**	Acquisition of 4109 acres of land with water rights from the South Fork of the Kern River. Fallowing of ranches and change of point of diversion to Kern Subbasin for groundwater recharge.	✓	✓	✓

This month we:

- Continued operation of conveyance facilities.
- Recorded that USGS verified South Fork station February 25.
- Did not stream gage at Doyle nor Patterson due to high flow conditions.
- Coordinated Project operations with KRI's.
- Harder is working on model update for 2026 no-injury calculation.
- Finalized annual ditch cleaning operations.

- Project operations February 1-15, 24-28. Was off 17th-23rd due to precipitation
- Recorded net project water was 501 AF.

South Fork flows downstream of Bloomfield averaged 235 cfs plus calculated accretions of 5 cfs, for a total average flow of about 240 cfs.

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

February-2026

Date		South Fork			D.Prince (4,5,17,20-22,37)			Hafenfeld (5)	RRBWSD (1,3,6,7,12, Wirth1, 30,33, Boone)				J.Nicoll (3)	Audubon (4,5,9,Wirth1,17,18) (20-22,Wirth2,27,29,37)			Smith (2/3 Smith)	RRBWSD (1/3 Smith)		Total Diverted	South Fork		RRBWSD to Isabella
	Mean Flow	USGS - Onyx @ 0500	Accretions	Doyle Ranch Road	Mill/Hillside	Miller	Prince	Miller	Scodie/Mack	Landers	Nicoll	Redirected "Gross Project Water"	Nicoll	Cottonwood	Nicoll	Total Smith	Smith	Smith	Redirected "Gross Project Water"		Sierra Way "Flow"	Patterson "Flow"	"Net Project Water"
1	131	*120*	5			*3.4*		*3.4*				**19.7**	*6.0*	*7.9*		8.0	*4.7*	0.0	**3.3**	25	Yes	Yes	**15.53**
2	130	*121*	5			*3.3*		*3.3*				**19.7**	*6.2*	*8.4*		8.1	*4.8*	0.0	**3.3**	26	Yes	Yes	**15.53**
3	129	*120*	5			*3.4*		*3.4*				**19.7**	*6.2*	*8.9*		8.2	*4.9*	0.0	**3.3**	27	Yes	Yes	**15.53**
4	127	*116*	5			*3.5*		*3.5*				**19.7**	*6.2*	*7.7*		8.7	*5.4*	0.0	**3.3**	26	Yes	Yes	**15.53**
5	129	*118*	5			*3.4*		*3.4*				**19.7**	*3.1*	8.6	*3.1*	8.6	*5.3*	0.0	**3.3**	27	Yes	Yes	**15.53**
6	135	*124*	5			*3.4*		*3.3*				**19.7**	*3.1*	8.3	*3.0*	8.9	*5.6*	0.0	**3.3**	27	Yes	109	**15.53**
7	137	*135*	5			*3.4*		*3.4*				**19.7**	*3.1*	8.6	*3.0*	9.5	*6.2*	0.0	**3.3**	28	Yes	Yes	**15.53**
8	139	*120*	5			*3.4*		*3.3*				**19.7**	*3.1*	8.6	*3.0*	8.9	*5.6*	0.0	**3.3**	27	Yes	Yes	**15.53**
9	143	*128*	5			*3.5*		*3.4*				**19.7**	*3.2*	8.7	*3.1*	8.9	*5.6*	0.0	**3.3**	28	Yes	Yes	**12.51**
10	150	*144*	5			*3.4*		*3.5*				**19.7**	*3.2*	8.8	*3.2*	9.7	*6.4*	0.0	**3.3**	29	Yes	Yes	**12.51**
11	162	*165*	5			*3.4*		*3.3*				**19.7**	*3.2*	8.0	*3.1*	7.6	*6.6*	1.0	**2.3**	26	Yes	Yes	**11.97**
12	143	*138*	5			*3.5*		*3.4*				**19.7**	*3.2*	8.2	*3.1*	9.9	*6.6*	0.0	**3.3**	28	Yes	Yes	**12.86**
13	132	133	5			*3.1*		*3.1*				**19.7**	*3.0*	8.1	*3.1*	8.7	*5.4*	0.0	**3.3**	26	Yes	Yes	**12.86**
14	131	*130*	5			*3.1*		*3.1*				**19.7**	*3.3*	8.0	*3.0*	8.6	*5.3*	0.0	**3.3**	26	Yes	Yes	**12.86**
15	121	*115*	5			*3.1*		*3.0*				**19.7**	*3.1*	7.9	*3.0*	8.6	*5.3*	0.0	**3.3**	25	Yes	Yes	**12.86**
16	137	*121*	5			*3.2*		*3.2*				**0.0**	*2.9*	8.0		5.2	*3.5*	1.7	**0.0**	22	Yes	Yes	**0.00**
17	149	*155*	5			*1.3*		*1.3*				**0.0**		2.2		0.7	*0.5*	0.2	**0.0**	5	Yes	Yes	**0.00**
18	125	152	5			*1.2*		*1.2*				**0.0**		2.2		1.3	*0.9*	0.4	**0.0**	6	Yes	Yes	**0.00**
19	111	116	5			*0.9*		*0.9*				**0.0**		*2.0*		0.6	*0.4*	0.2	**0.0**	4	Yes	Yes	**0.00**
20	106	112	5			*0.8*		*0.8*				**0.0**		*2.1*		0.2	*0.2*	0.1	**0.0**	4	Yes	Yes	**0.00**
21	103	109	5			*0.7*		*0.7*				**0.0**		*2.3*		0.4	*0.3*	0.2	**0.0**	4	Yes	Yes	**0.00**
22	131	127	5			*0.7*		*0.7*				**0.0**		*3.6*		0.6	*0.4*	0.2	**0.0**	6	Yes	Yes	**0.00**
23	176	172	5			*0.7*		*0.7*				**0.0**		*5.3*		0.4	*0.3*	0.2	**0.0**	7	Yes	Yes	**0.00**
24	267	219	5			*0.7*		*0.7*				**0.0**	*3.1*	*6.8*		0.5	*0.4*	0.1	**0.0**	12	Yes	Yes	**0.00**
25	**682**	**568**	5			*0.7*		*0.7*				**0.0**	*3.0*	*4.1*		0.3	*0.2*	0.1	**0.0**	9	Yes	Yes	**0.00**
26	848	908	5			*2.9*		*2.9*				**19.7**	*4.9*	*6.0*		7.9	*4.6*	0.0	**3.3**	21	Yes	Yes	**13.57**
27		884	5			*2.6*		*2.6*				**19.7**	*5.0*	*6.5*		8.2	*4.9*	0.0	**3.3**	22	Yes	Yes	**13.32**
28		1020	5			*2.6*		*2.5*				**19.7**	*5.3*	*4.5*		9.2	*5.9*	0.0	**3.3**	21	Yes	Yes	**13.32**
SFD	4,870	6,590	140	0	0	69	0	68	0	0	0	355	83	180	34	166	106	4	58	543	0	109	253
AF	9,660	13,071	278		0	137	0	135	0	0	0	703	165	358	67		210	8	116	1,076	0	0	501.48
	187	235	5				**137**					**703**	**165**		**424**		3.8	0.2		19			
																	210	**8**					

Note:

Cottonwood via the Landers

Miller ditch water is being split Prince and Haf. 50/50

Redirected Historic Irrigation Demand Limit = 23

South Fork Doyle Ranch Flow measurement, value carries for next week

USGS SFork at 0500 Prince Ditch down for maintenance

https://waterdata.usgs.gov/monitoring-location/11189500/#dataTypeId=continuous-00065-0&period=P7D

Bold ## on USGS denotes USGS gage verification

ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT
GROUNDWATER SUSTAINABILITY AGENCY

849 Allen Road Bakersfield, CA 93314
(661)589-6045
www.rrbwsd.com

March 31, 2026

To: Stakeholder Advisory Group
Rosedale-Rio Bravo Water Storage District
Agenda Item: 2e

From: Dan Bartel

Re: RRB-7: South Valley Project

Discussion:

P/MA Number	P/MA Name	Summary Description	Relevant Sustainability Indicators Affected		
			Groundwater Levels & Storage	Groundwater Quality	Land Subsidence
Projects		**Implemented** / **Functional** / **In-Process**		**As-Needed**	
RRB-7	**South Valley Project**	Acquisition and retirement of 850 acres of irrigated ag lands and development of 850 acres of new recharge ponds. For conjunctive-use and 2:1 third-party banking. Construction of approximately 400 cfs of conveyance capacity from the California Aqueduct	✓	✓	✓

KERN FAN GROUNDWATER STORAGE PROJECT
ALT 5 Feasibility Team – Workshop
March 18, 2026

GBJPA

KERN FAN GROUNDWATER STORAGE
PROJECT TEAM

ITEM NO.	AGENDA ITEM
1	Team Introductions
2	Schedule
3	Project Benefits
4	CVC Operational Issues
5	Project Overview
6	Proposed Improvements (Options)
7	Project Costs
8	Engineering Next Steps
9	Permitting Update

KERN FAN GROUNDWATER STORAGE
PROJECT TEAM

GBJPA = Groundwater Banking Joint Powers Authority

- Dan Bartel, GBJPA GM, Engineering and Construction
- Fiona Sanchez, GBJPA PM, Contracts, Permits, Grants
- Trent Taylor, RRBWSD, Contracts, Local and SWP Issues

- Curtis Skaggs, Engineering and Construction Project Manager
- Joe Long, Stantec, Conveyance Team
- Wayne Dahl, Conveyance Team
- Meyer Engineering, Recharge Team
- Zeiders Consulting, Recovery Team
- Dr. Howes, CVC Consultant
- Kristin Pittack, Rincon, Environmental

GBJPA

INITIAL MILESTONES
ALT5 JOINT CONCEPT

Oct-2022	Update to CVC Advisory on Alt5 Concept
Aug-2024	Update to KCWA on Alt5 Progress
Oct-2024	Offer of Participation to CVC Advisory
Feb-2025	Presentation to Interested Parties
June-2025	CVC Advisory Approves Alt5 Feasibility Reimbursement Agreement
Aug-2025	Execution of Alt5 Feasibility Reimbursement Agreement

GBJPA

INITIAL MILESTONES
ALT5 JOINT CONCEPT

Sept-2025

ENGINEERING

- Footprint
- Pool 1 Concept
- Pool 2/3 Concept
- Schedule/Budget/Data Gaps/Next Steps

Apr-2026

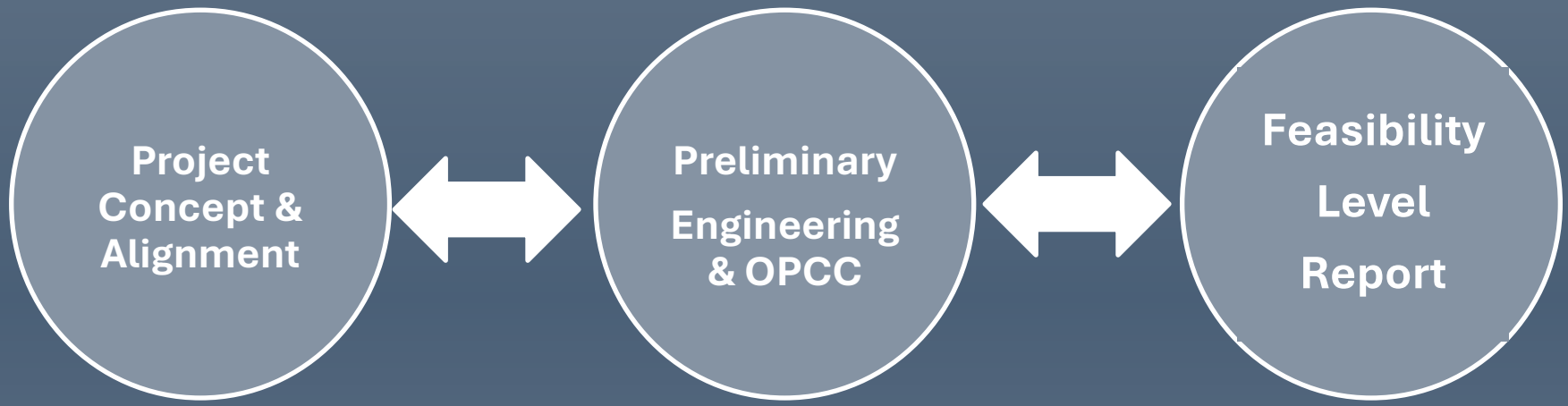
Alt 5 Feasibility Study

PERMITTING

- Agreements
- Easements
- Permits

GBJPA

Feasibility Study
Engineering Team



January 31, 2025

March 18, 2026

10am-12pm
Workshop

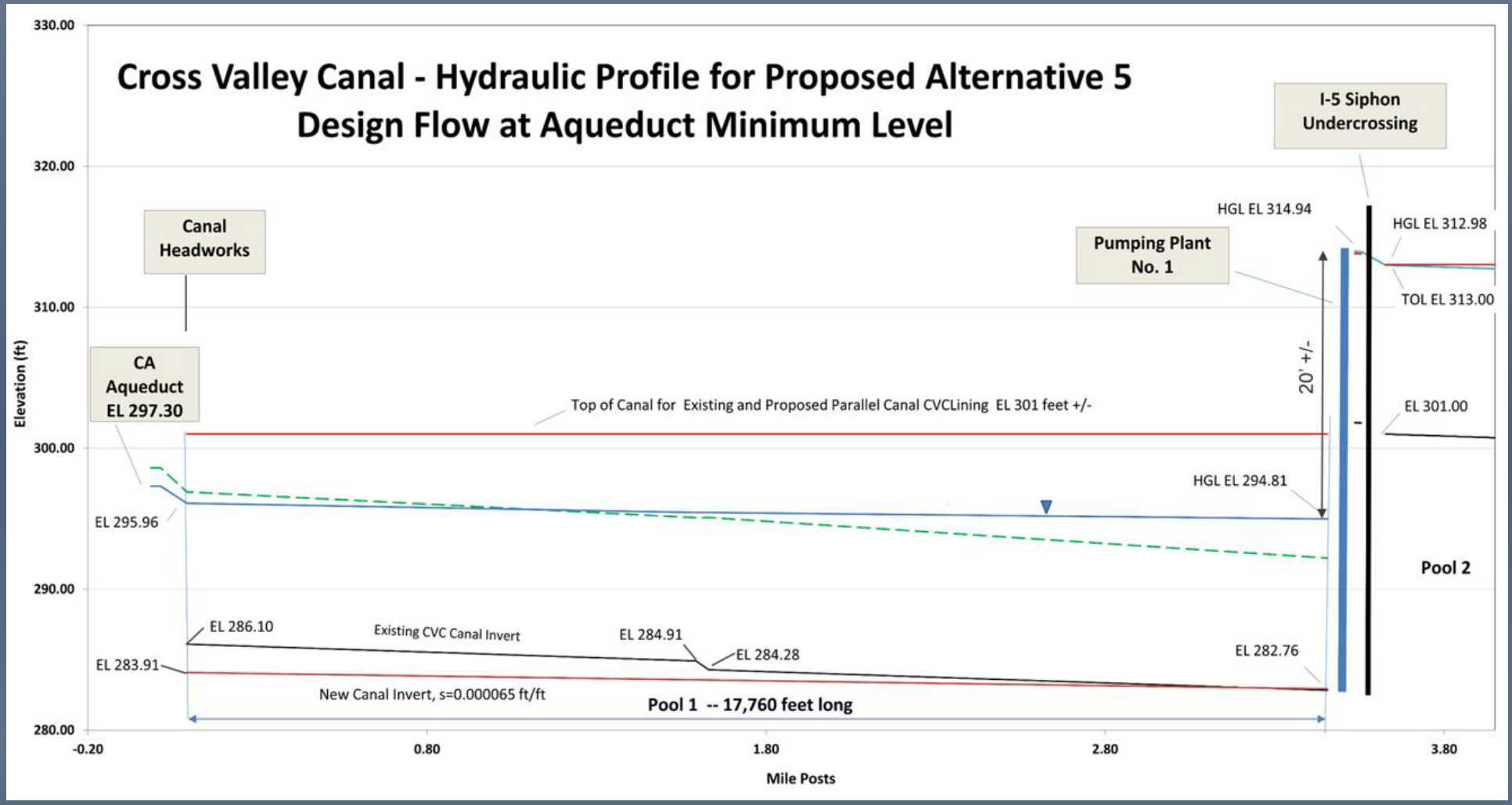
April 30, 2026

Alt5 Project Benefits

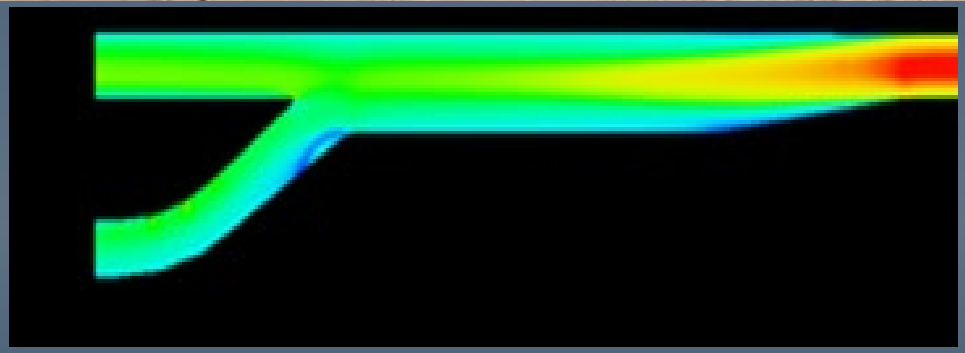
Project offers multiple to Kern County water management:

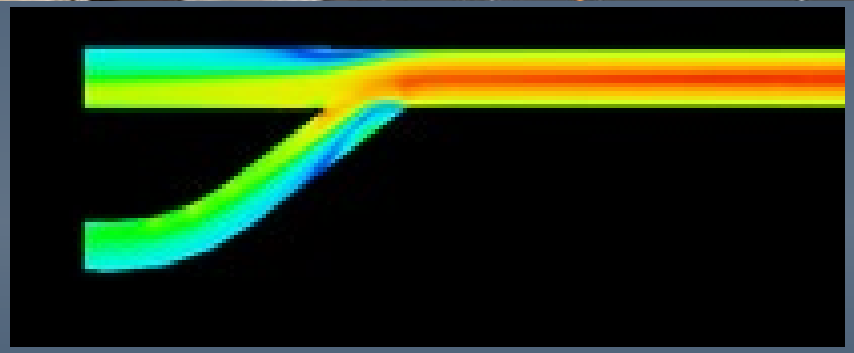
- $150M grants to enhance high-flow water storage
  - ✓ 700 acres of new recharge ponds
  - ✓ 375 cfs of new conveyance capacity to serve new and 700 acres of existing recharge ponds
- Increase capacity for other MU's
- Reduce limited freeboard risk
- Eliminate bifurcation oscillation in Pools 1-2
- Mitigate "B" Plant vortexing in Pools 1-2
- Improve pump submergence and performance in Pools 1-2
- Enhance reliability of CVC Pool 1
- Reduce Kern County's subsidence impacts/costs
- Provide funding for KWBA replacements and improvements

CVC POOL 1 CAPACITY ISSUES



CVC HYDRAULIC ISSUES





CVC HYDRAULIC ISSUES

PP1 Afterbay

PP1 afterbay is also a concern. The confluence of the afterbay shows significant turbulence and headloss at high flows. It is recommended to smooth the inlet transition from the B side into the A side.

Figure 3. PP1 afterbay after I5 siphon needs to have a wider smoother transition to the main pool.

CVC HYDRAULIC ISSUES

Improving bifurcations

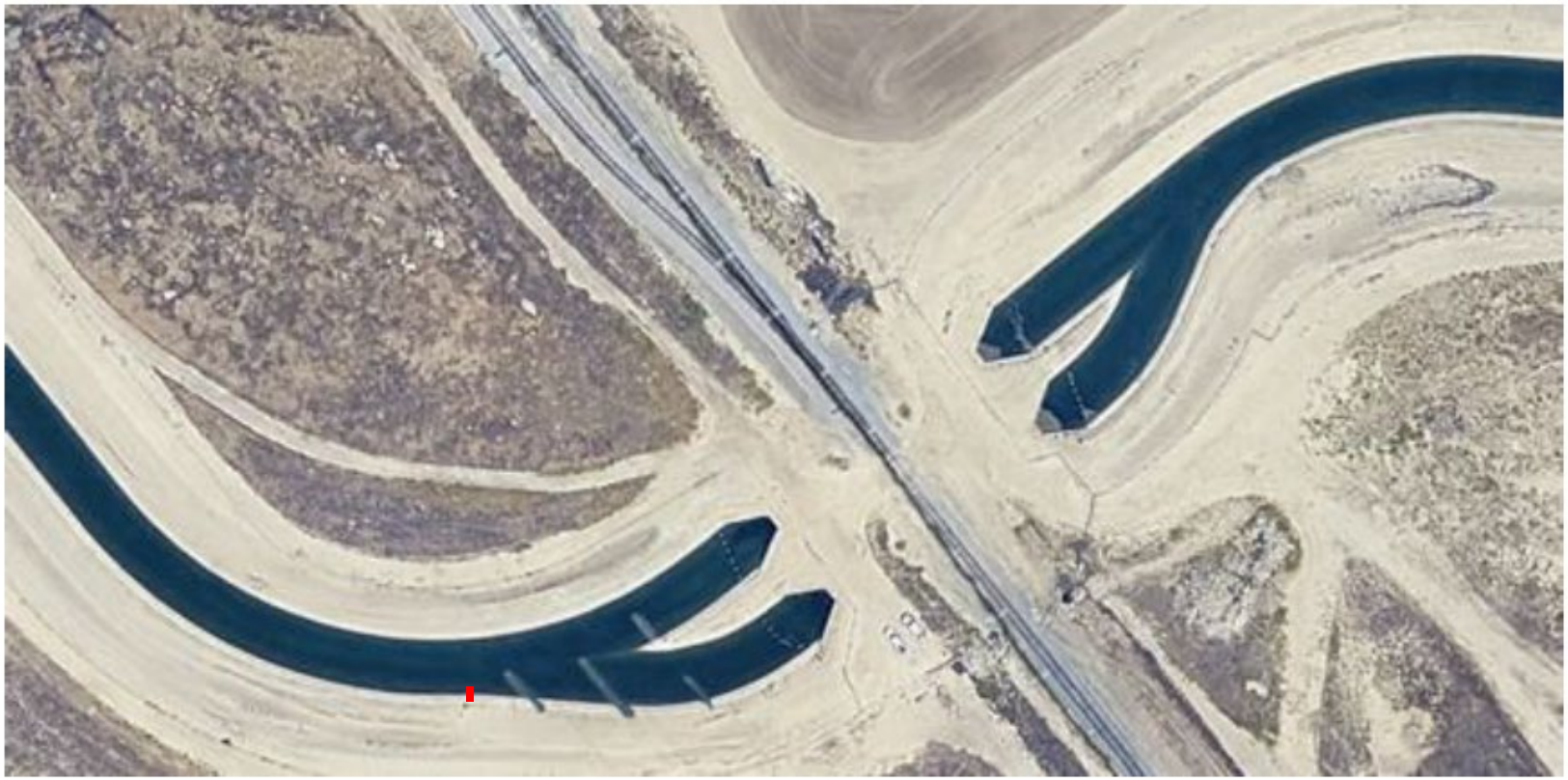
The following figure shows the Enos Lane siphon. The curve upstream of the bifurcation causes more flow to go through the north siphon (A side siphon) than south. Since both siphons are the same length and diameter, the lowest loss condition would be when both sides have equal flow.

Removing the curved section upstream will improve the flow conditions into these siphons, reducing the bifurcation and overall losses. I would recommend rounding the separation wall as shown in the PP2 forebay recommendations.

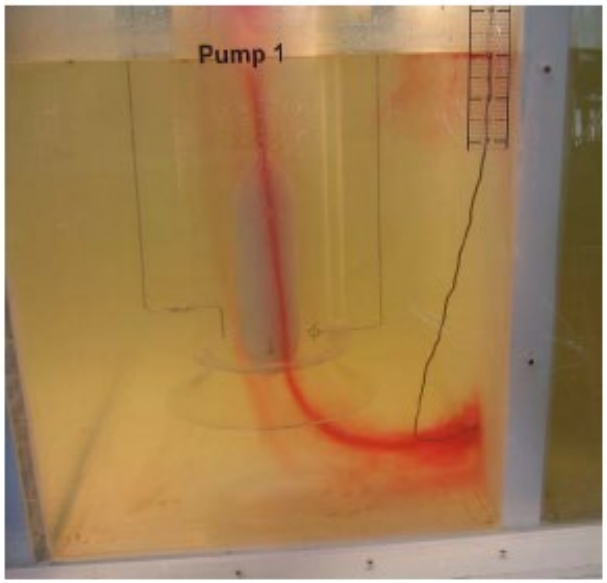
Figure 4. Enos siphon widening recommendation

CVC HYDRAULIC ISSUES

The SPRR siphon is a challenge because of the orientation. The B Side has significantly more flow than the A Side due to the curve upstream of the siphon and higher velocities along the outside of the channel. The original design should have accounted for this and made the B Side larger to accommodate more flow. The simplest solution would be to install a velocity correction device on the outside of the curve just upstream of the bifurcation. This would be a wall along the outside bank about 10% of the channel width that forces the higher velocities back towards the middle of the channel. This is designed after bend way weirs and has been used successfully in a number of projects.



CVC VORTEX ISSUES



a) A Type 2 subsurface vortex forming from the sidewall and entering Pump K. (6663)

b) A Type 2 subsurface vortex forming from the back wall and entering Pump K. (6462)

Photo 3.6 Subsurface vortices in physical model study of Plant 1B prior to installation of modifications.

Discussion:
Kern County Water Agency (Agency) staff recommends procuring three fabricated steel baffle walls for the forebay of Cross Valley Canal (CVC) Pumping Plant No. 2B to assist in the mitigation of vortex issues observed in the forebay. Informal bids were solicited from three steel fabricators. A summary of the bids is provided as Attachment 1.

NHC 3/2018 Memo Highlighted B Plant Vortexing Types 1-3

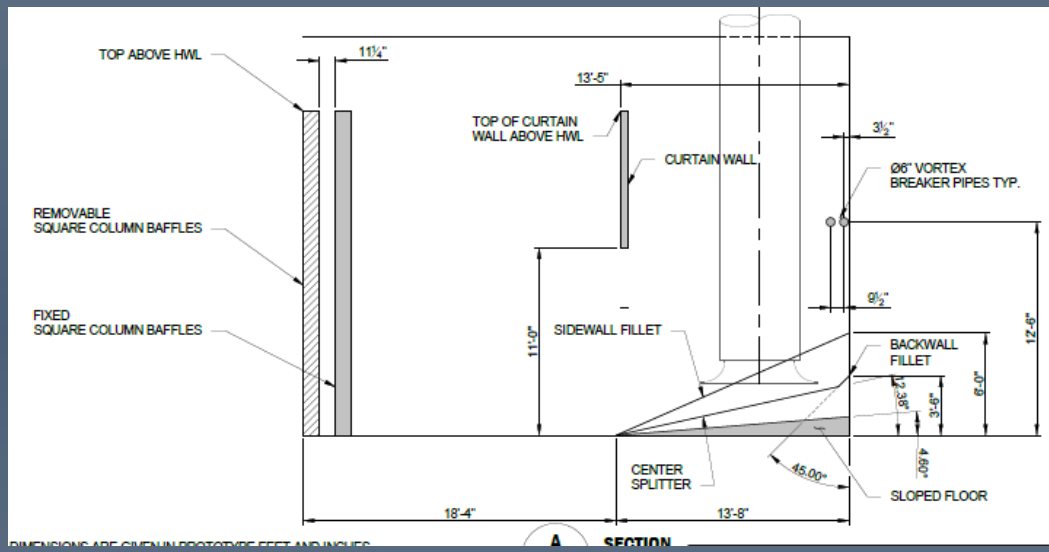
Plan B = Baffles Installed

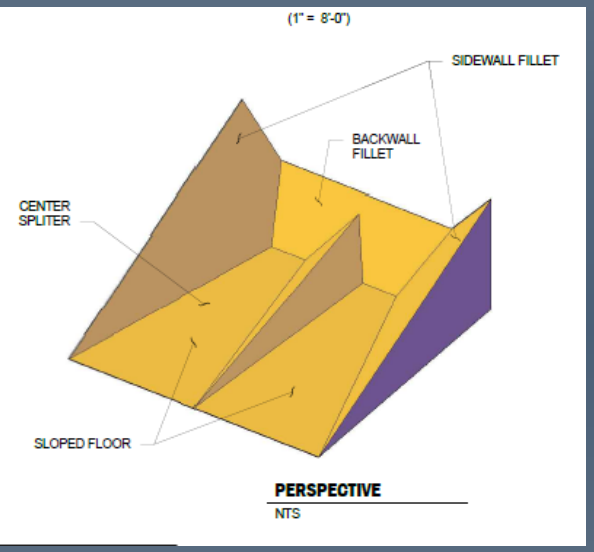
Removed 1 day after failed test 2/24/2026

RRB 1/2023
"Do not use the baffle at all...."

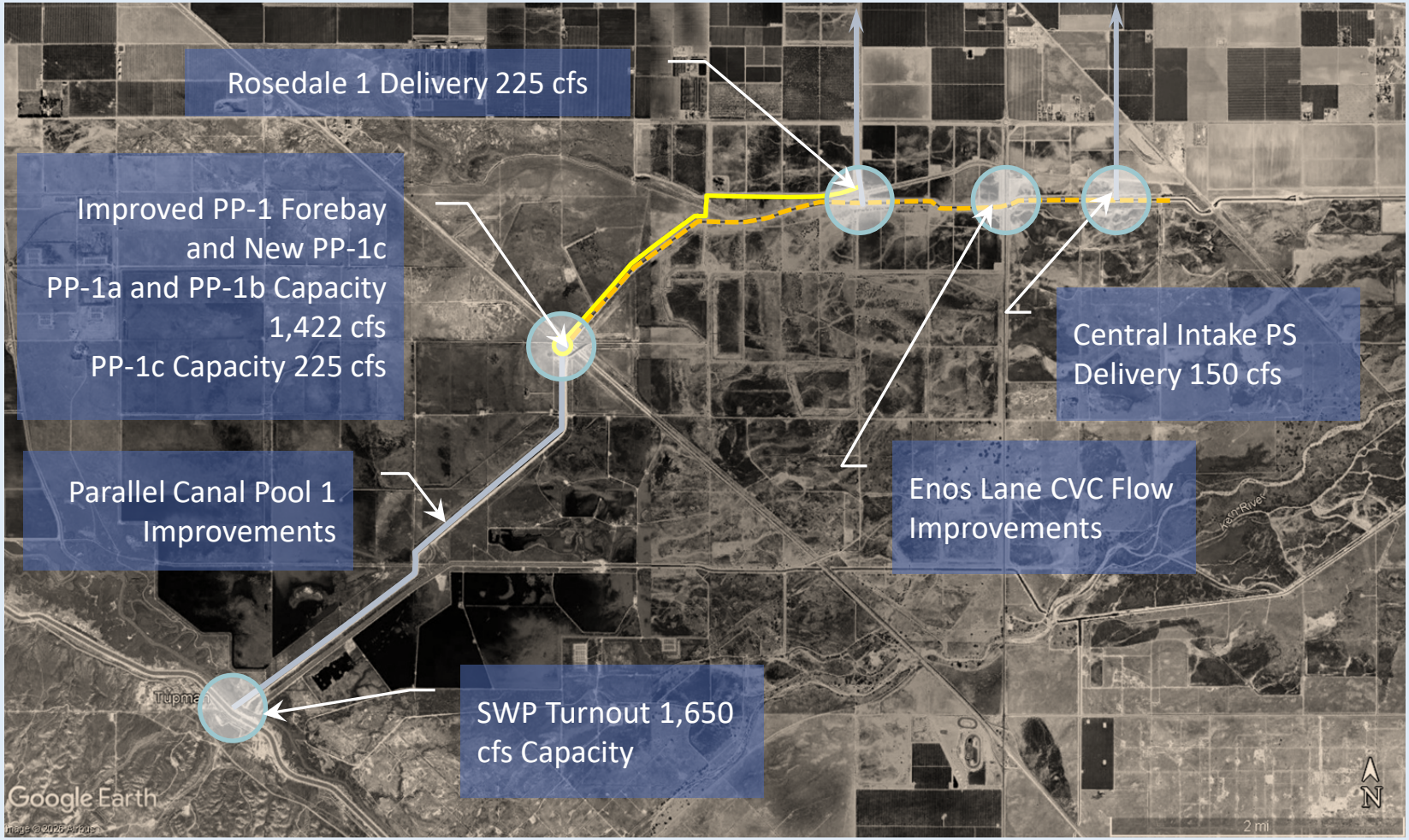
CVC VORTEX ISSUES

NHC 3/2018 Memo – Recommended More Comprehensive Mitigation Measures





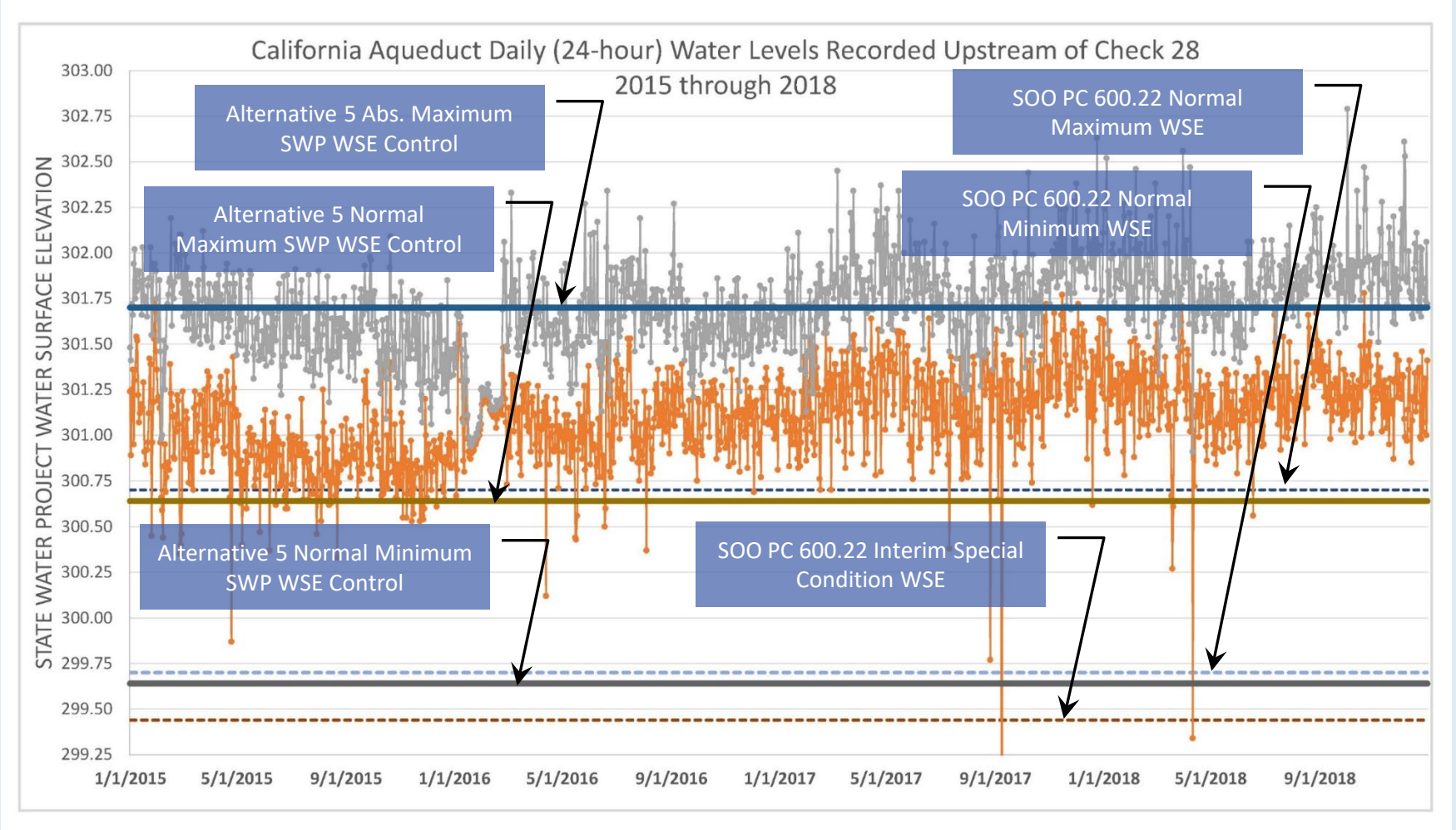
PROJECT OVERVIEW



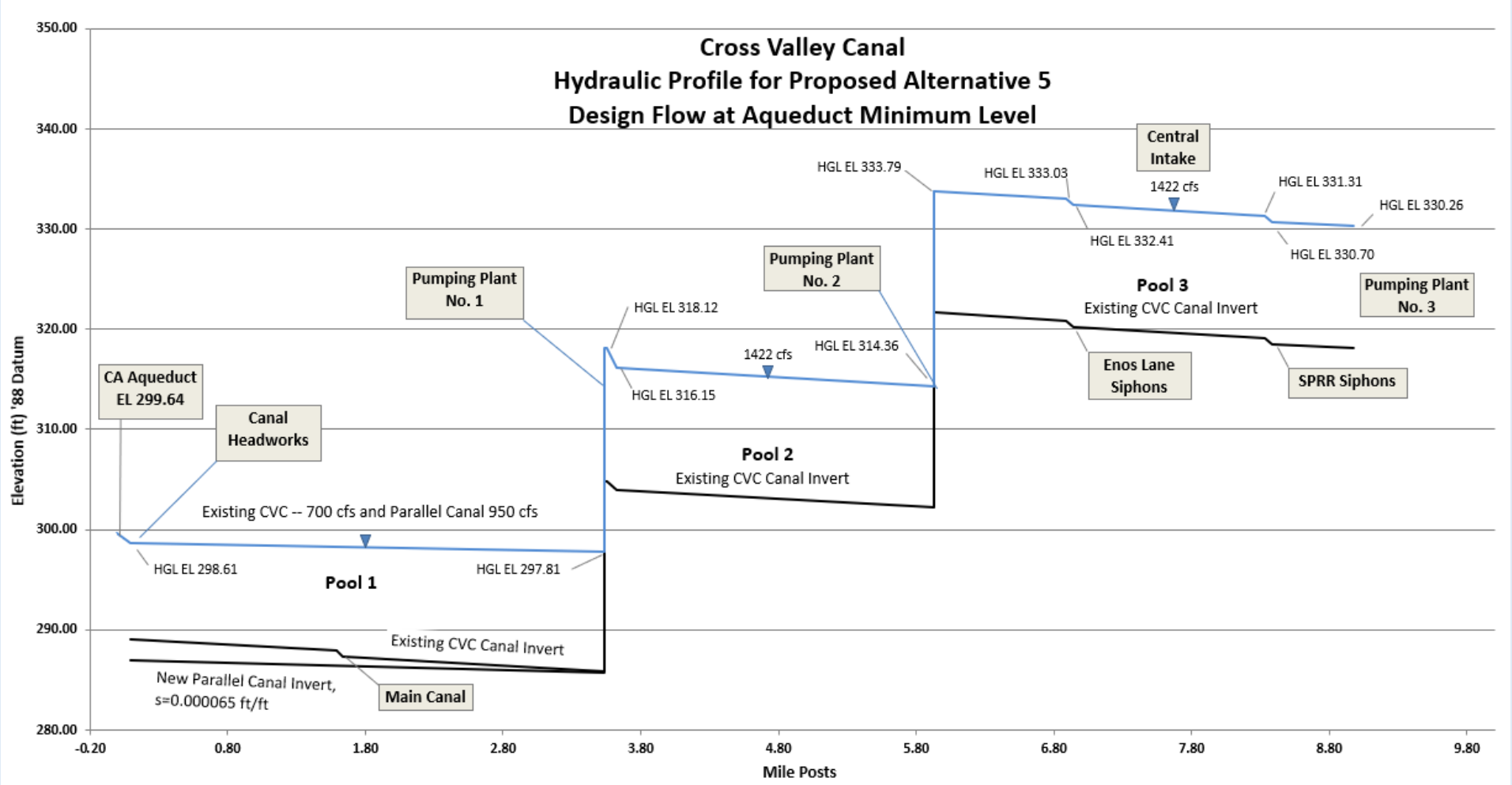
DESIGN CONSIDERATIONS

ELEMENT DESCRIPTION		APPROACH CONSIDERATIONS
Priority No.		
1	Provide for a total maximum capacity of 1,650 cfs to be delivered through the Greater Bakersfield 1 & 2 from the State Water Project	Develop inlet canal geometry that minimizes hydraulic losses between the State Water Project to bifurcation of the CVC and the Proposed Parallel Canal.
1	Maintain water deliveries of 1,650 cfs from the State Water Project under range of SOO PC 600.22 Operating Levels	Base hydraulic control on State Water Project Low Water Operation historical data.
1	Improve CVC Pool One hydraulics to provide 1,422 cfs at Pumping Plant No. 1A & 1B and 225 cfs at Pumping Plant 1C	Develop a hydraulic profile that floats off the State Water Project Pool 28 WS Elevations and maintains normal depth at full design flow
2	Minimize CVC Operational Disruptions during Construction	Develop a Construction Staging Program allowing for the CVC to maintain operations for both forward and reverse flow
3	Maintain access for maintenance and operation of both the CVC and the Proposed Parallel Canal	Ensure existing access roads remain accessible while adding new access roads between and around the canals
4	Minimize environmental impacts (Tule Elk)	Minimize overall project footprint through environmental areas

ALTERNATIVE 5 – SWP HYDRAULIC CONTROLS



ALTERNATIVE 5 – HYDRAULIC OPERATING PROFILE



ALTERNATIVE 5 – HYDRAULIC OPERATING LEVELS

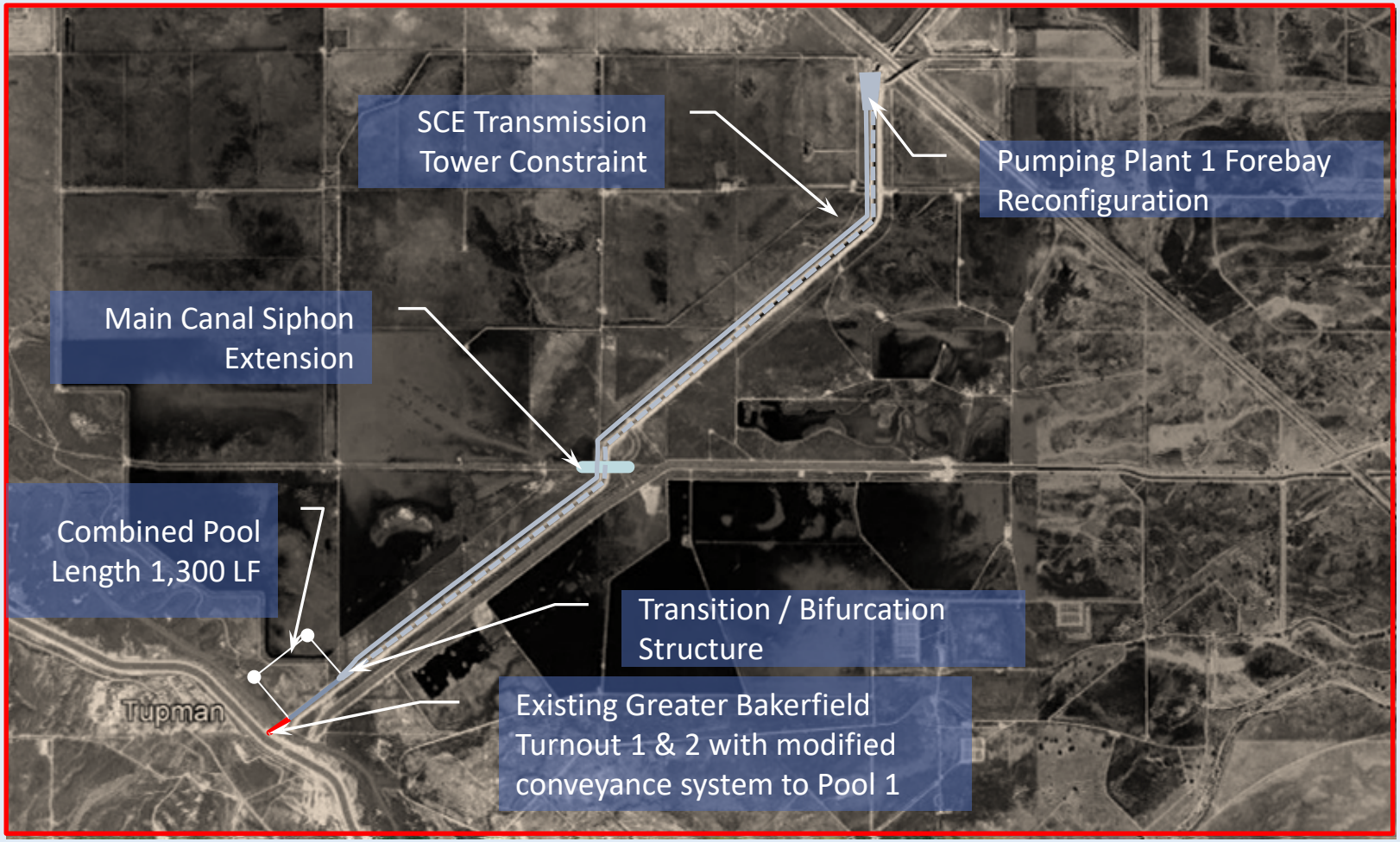
STANDARD OPERATING ORDER PC 600.22 ISSUED 2020 (Current Issue) FOR CHECK 28			
Elevation Datum	Normal Min	Normal (Max Flow)	Abs Max
1929 Datum	296.7	297.7	298.6
1988 Datum	299.7	300.7	301.6

Interim Actions Will Operate the Aqueduct at a Lower Water Surface Elevation than the SOO			
Elevation Datum	SOO Special Conditions WSE	SOO Normal Operating WSE	Interim Actions WSE
1929 Datum	297.53	296.53	296.44
1988 Datum	300.53	299.53	299.44

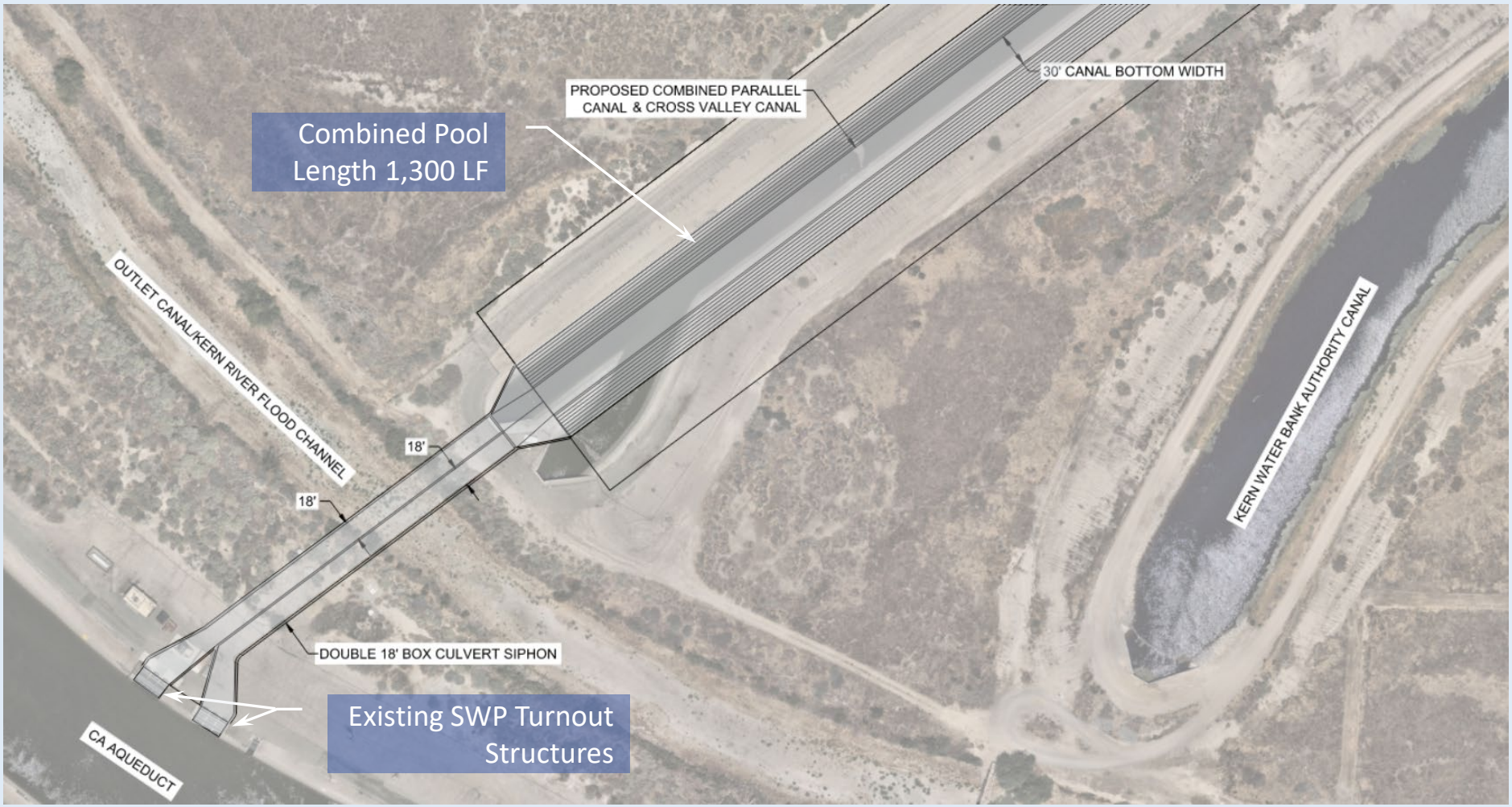
CANAL DESIGN			
Elevation Datum	Normal Min	Normal (Max Flow)	Abs Max
1929 Datum	296.7	297.7	298.7
1988 Datum	299.64	300.7	301.7

ALTERNATIVE 5-1

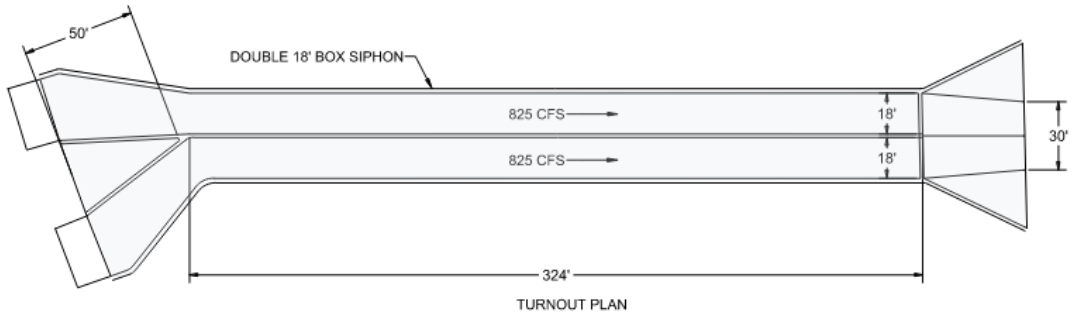
ALTERNATIVE 5-1 CONCEPTUAL LAYOUT



ALTERNATIVE 5-1 SWP TURNOUT @ POOL 1



ALTERNATIVE 5-1 SWP TURNOUT PROFILE @ POOL 1

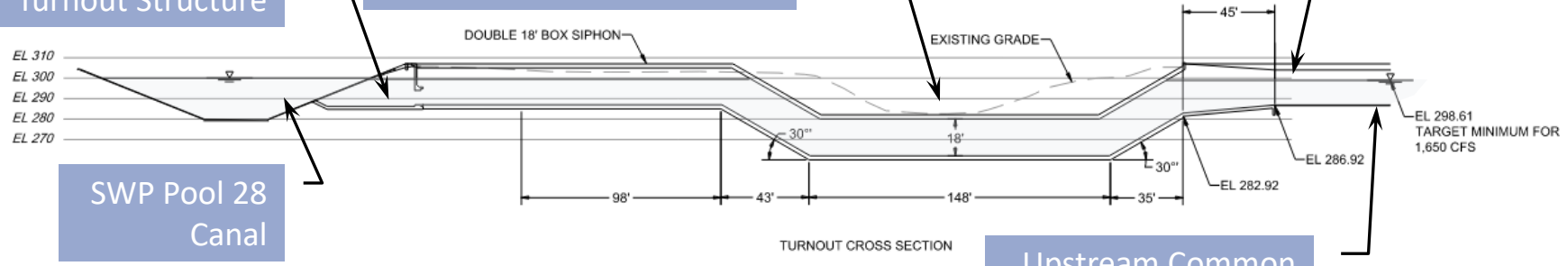


TURNOUT PLAN

New Double 18' x 18' Box Culvert Siphon Under Outlet Canal/ Kern River Flood Channel

New Transition Structure

Existing SWP Turnout Structure

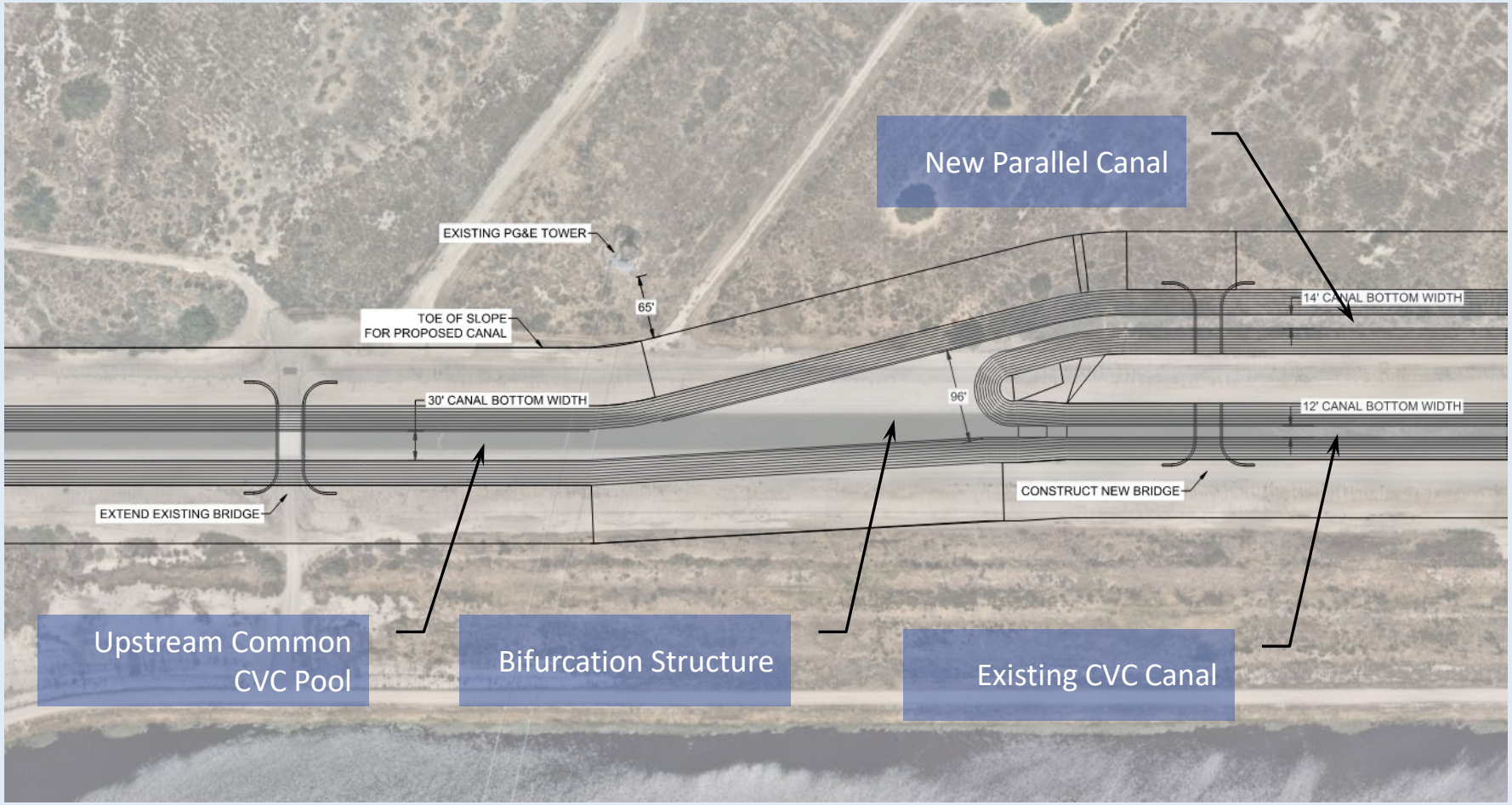


TURNOUT CROSS SECTION

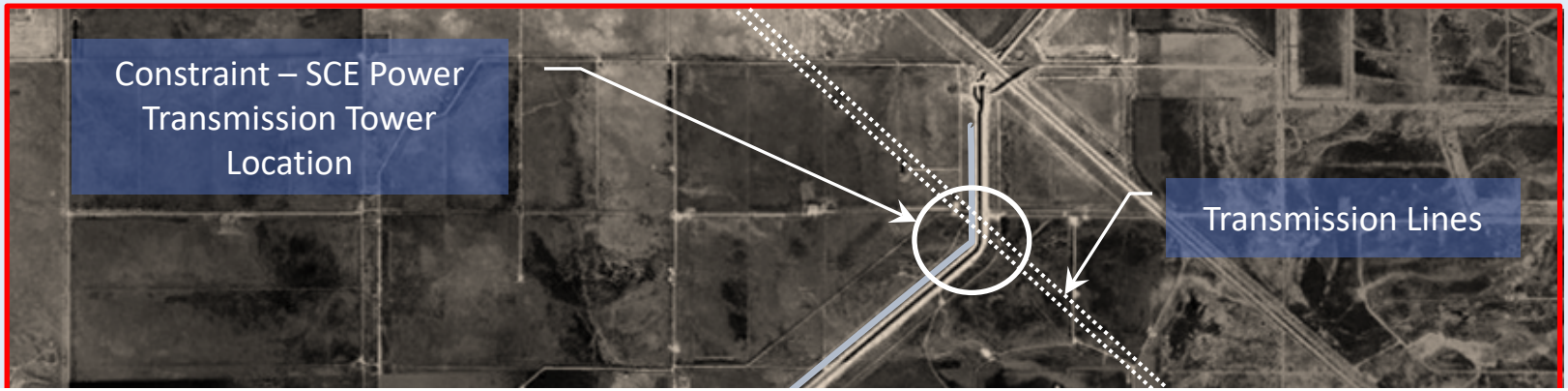
SWP Pool 28 Canal

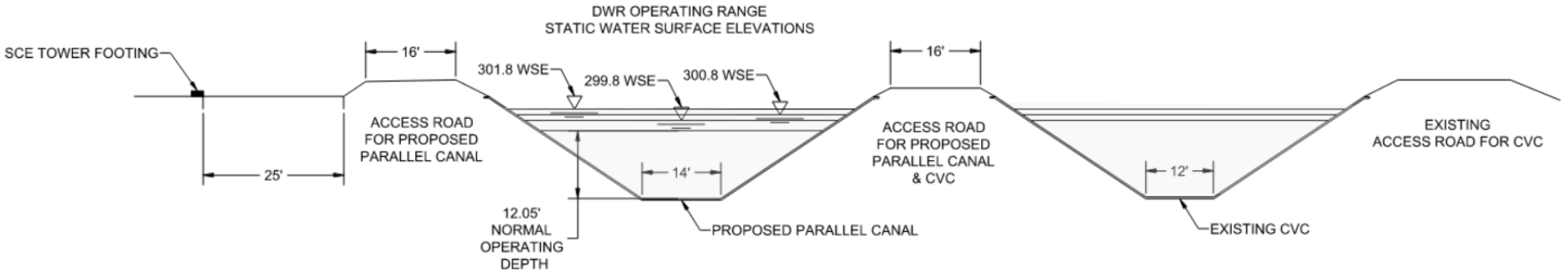
Upstream Common CVC Pool

ALTERNATIVE 5-1 BIFURCATION LAYOUT



ALL ALTS: SCE TRANSMISSION TOWER LAYOUT

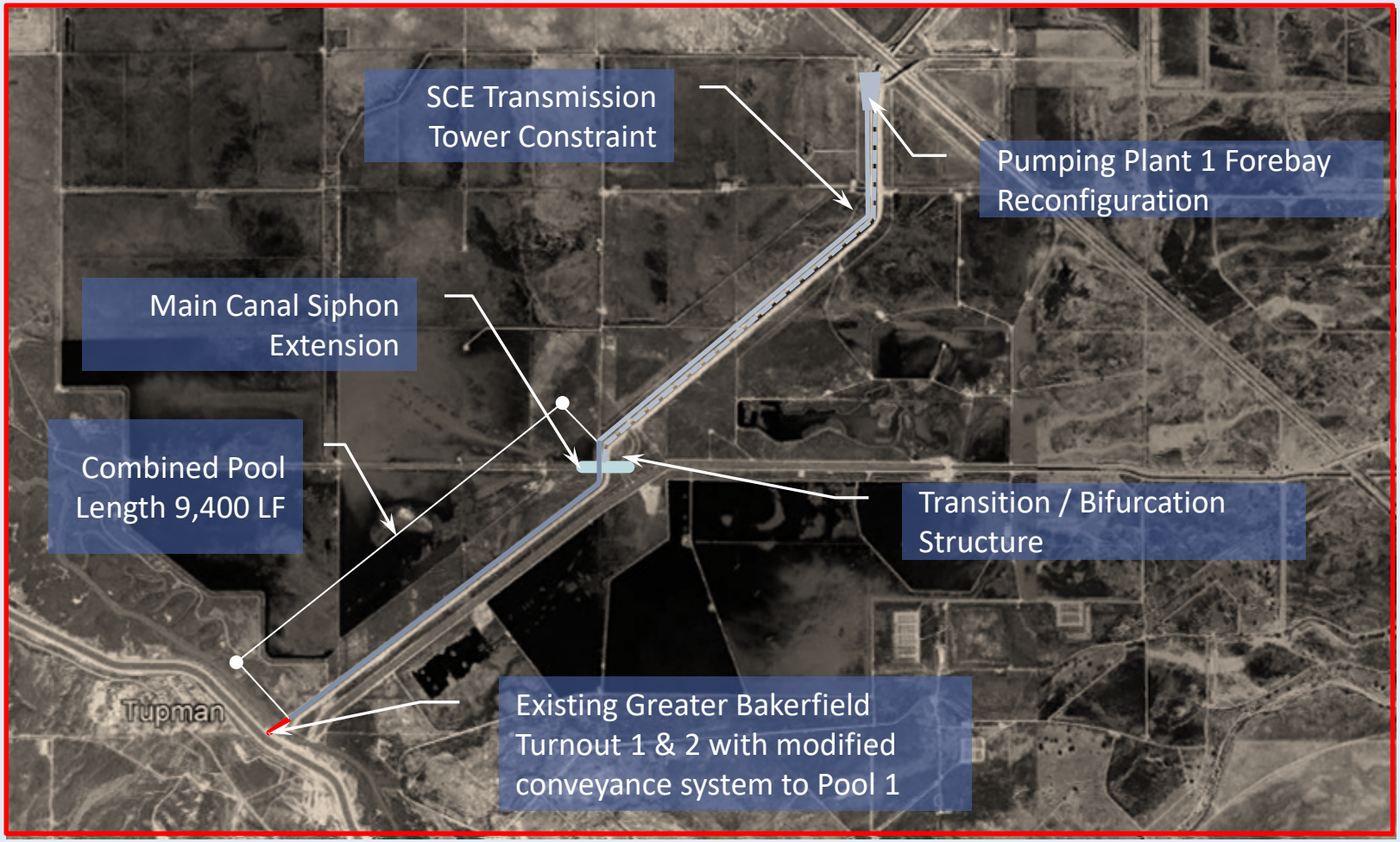




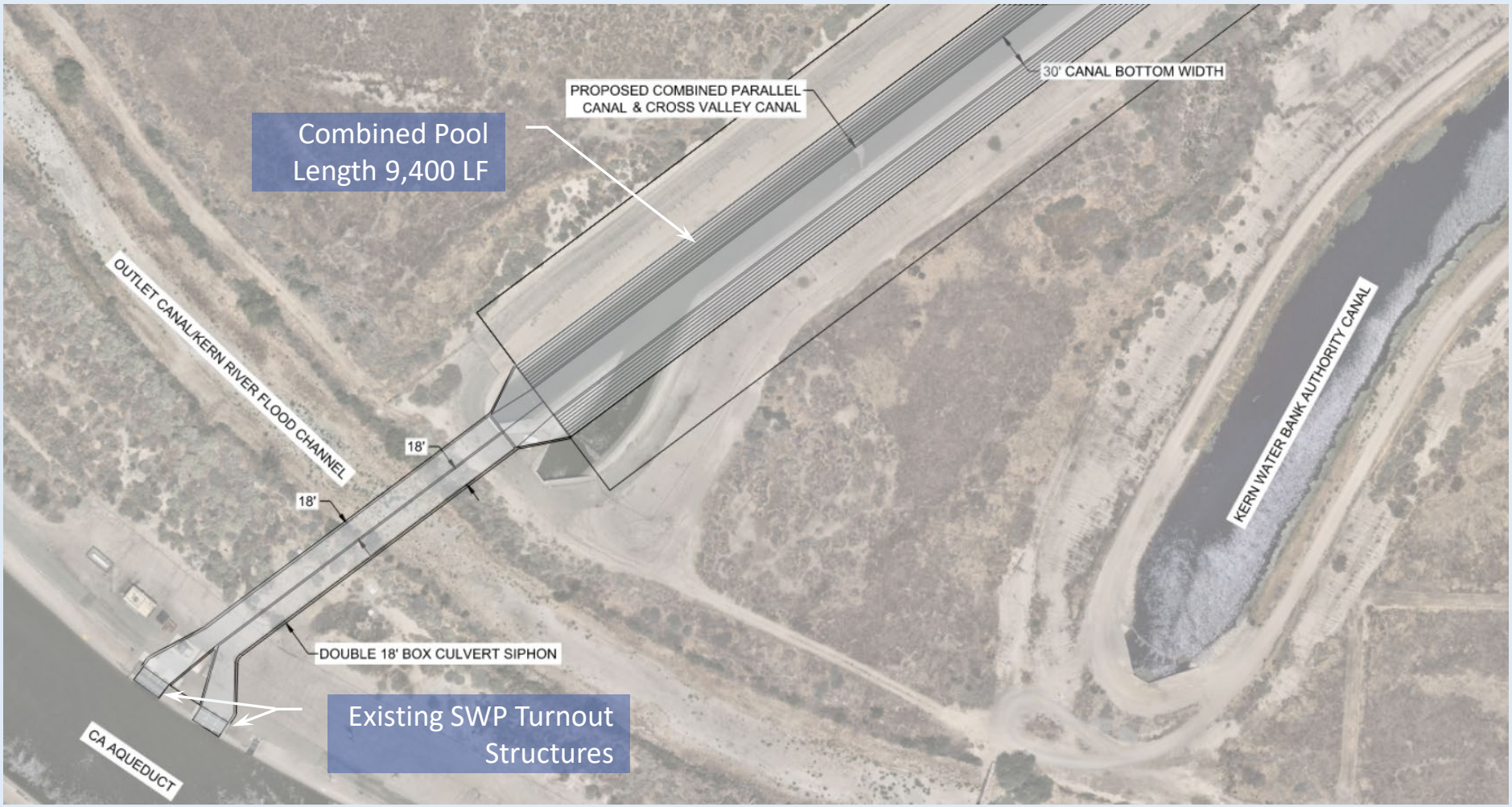
SCE Tower / Canal Cross-section

ALTERNATIVE 5-2

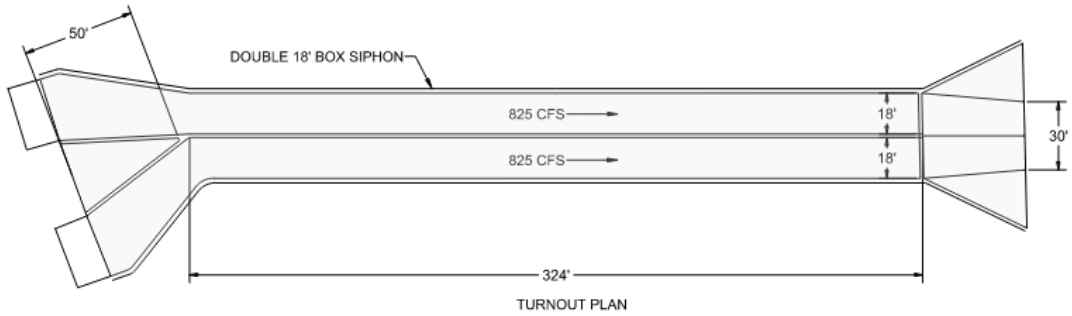
ALTERNATIVE 5-2 CONCEPTUAL LAYOUT



ALTERNATIVE 5-2 SWP TURNOUT @ POOL 1



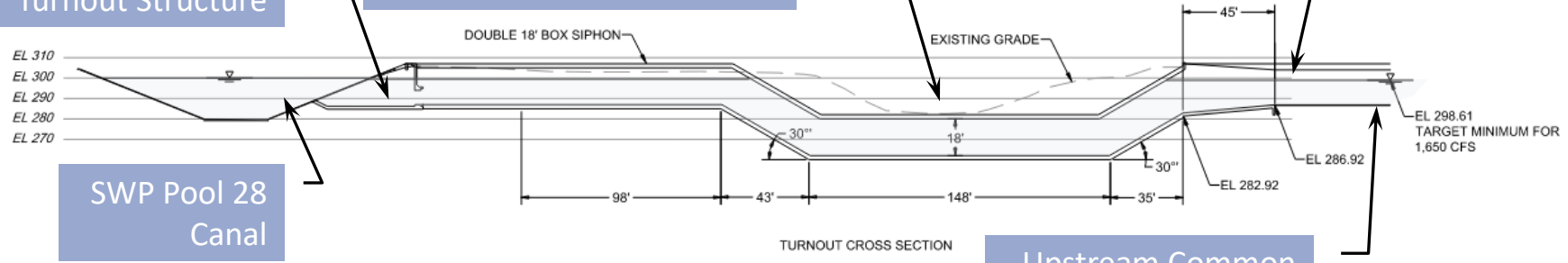
ALTERNATIVE 5-2 SWP TURNOUT PROFILE @ POOL 1



New Double 18' x 18' Box Culvert Siphon Under Outlet Canal/ Kern River Flood Channel

New Transition Structure

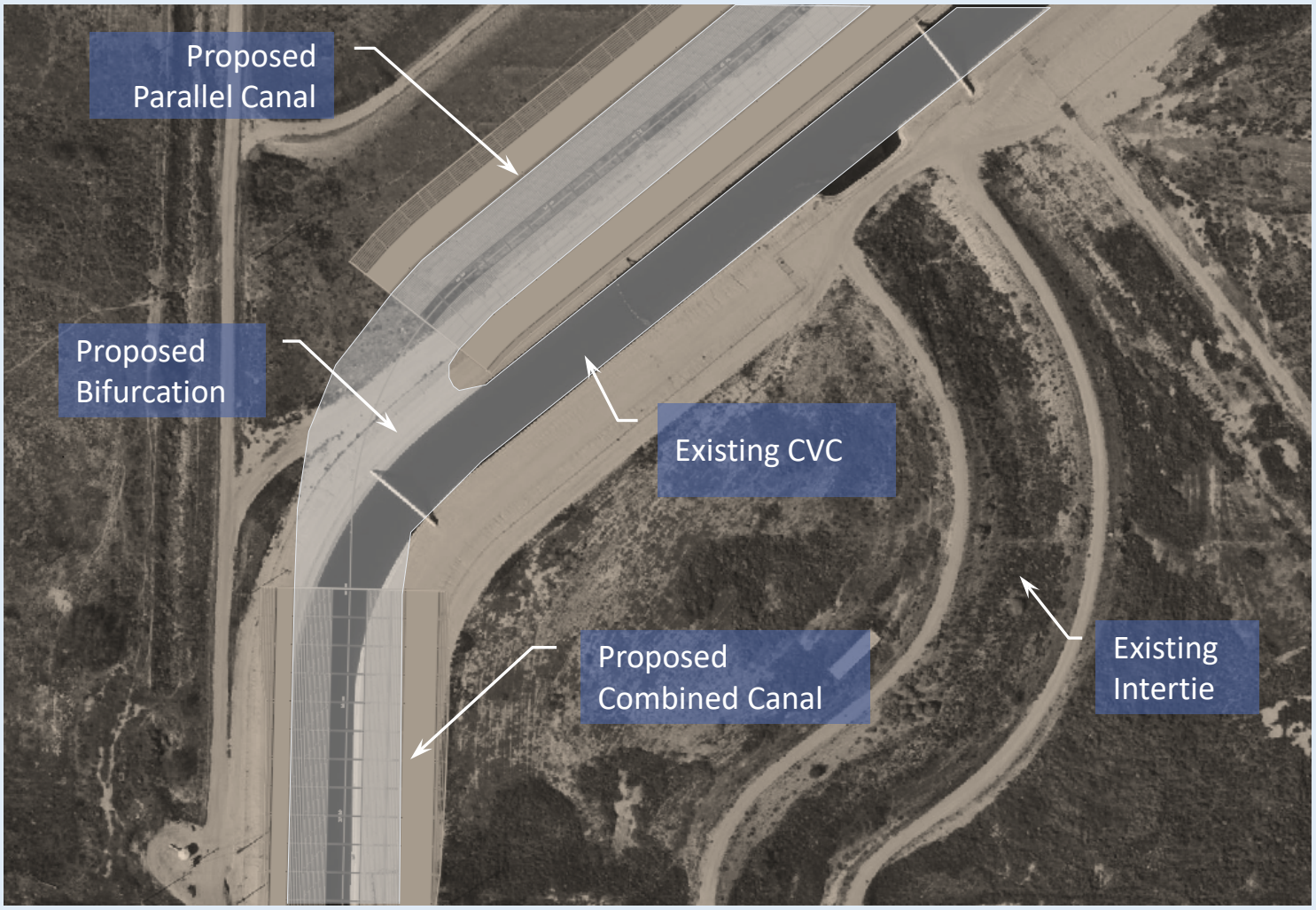
Existing SWP Turnout Structure



SWP Pool 28 Canal

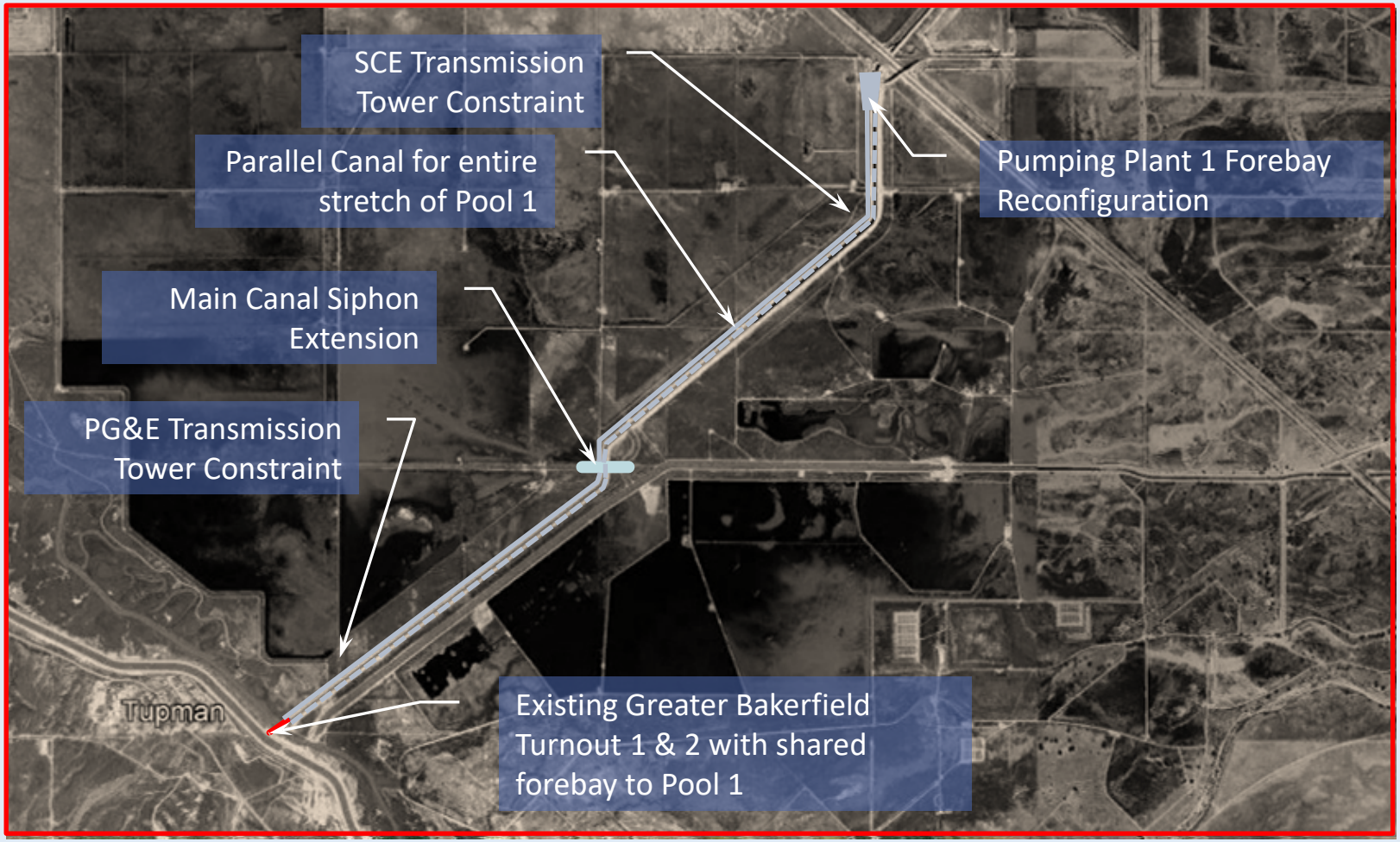
Upstream Common CVC Pool

ALTERNATIVE 5-2 BIFURCATION LAYOUT

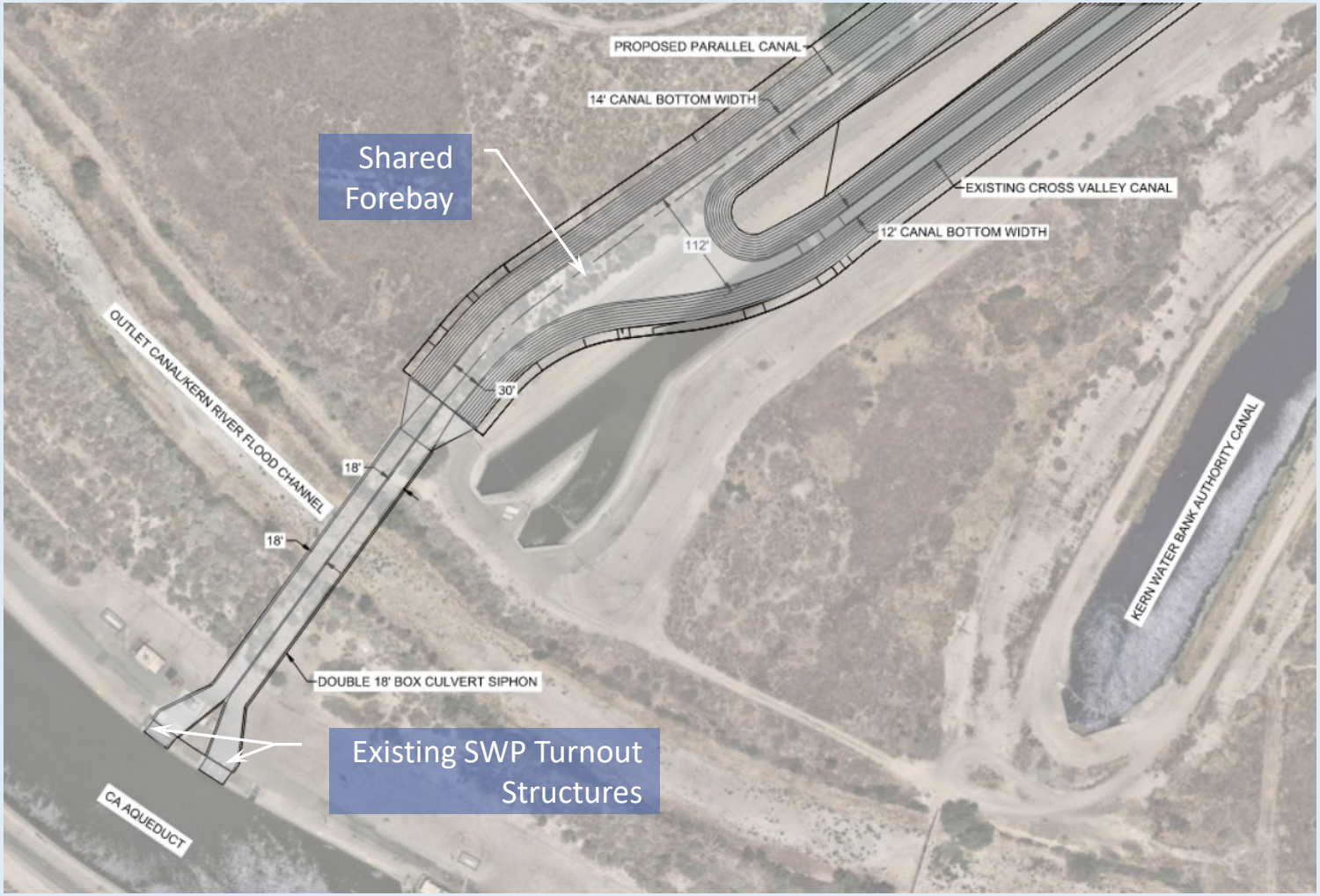


ALTERNATIVE 5-3

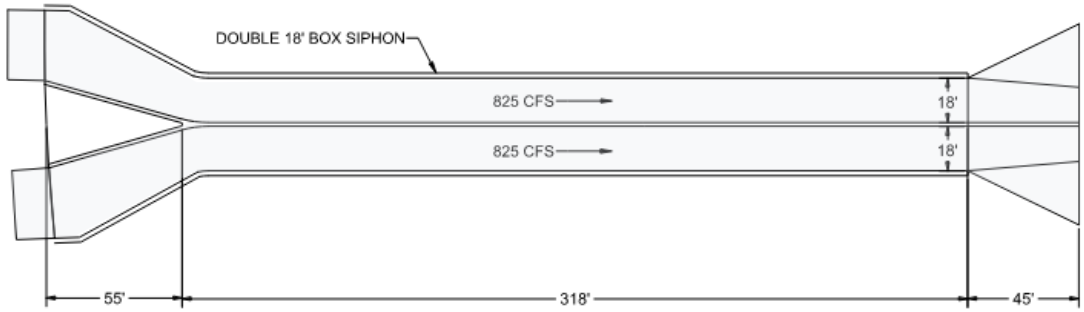
ALTERNATIVE 5-3 CONCEPTUAL LAYOUT



ALTERNATIVE 5-3 SWP TURNOUT @ POOL 1



ALTERNATIVE 5-3 SWP TURNOUT @ POOL 1

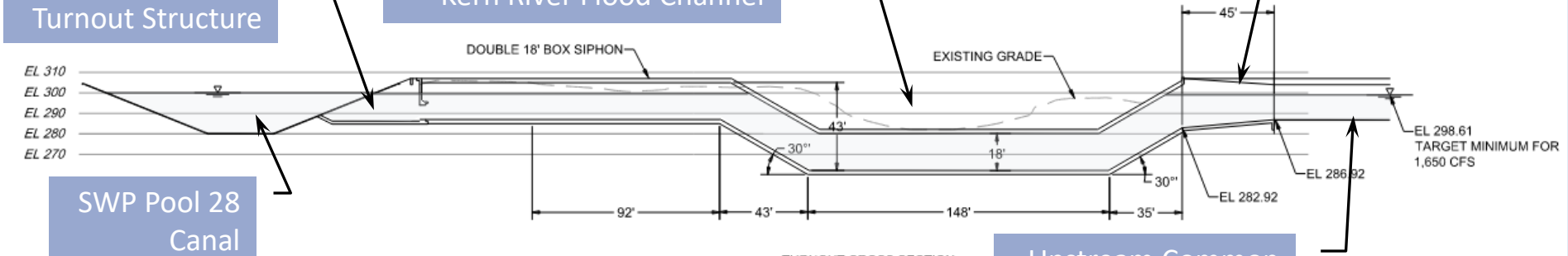


TURNOUT PLAN

New Double 18’ x 18’ Box Culvert Siphon Under Outlet Canal/ Kern River Flood Channel

New Transition Structure

Existing SWP Turnout Structure

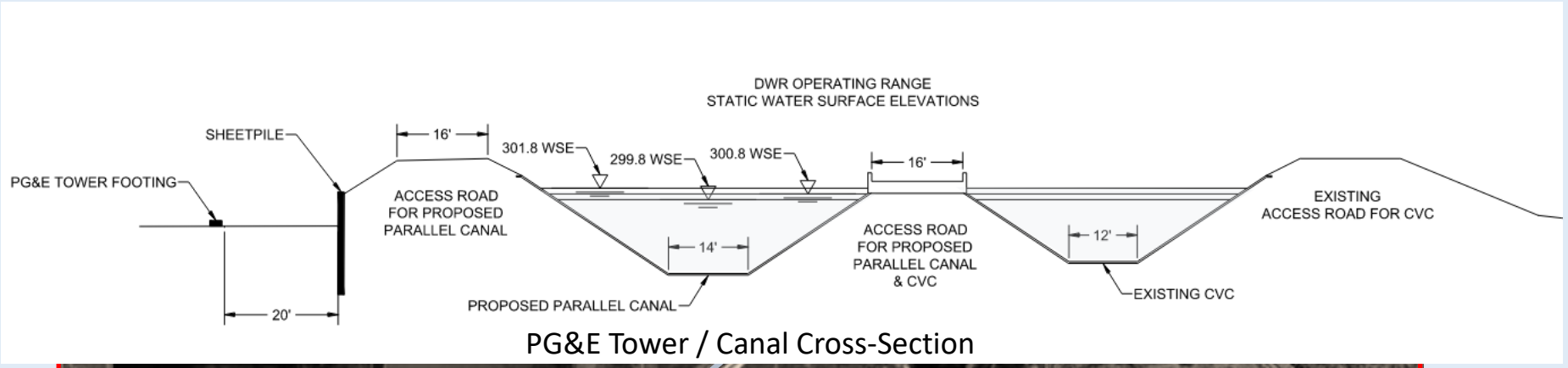


TURNOUT CROSS SECTION

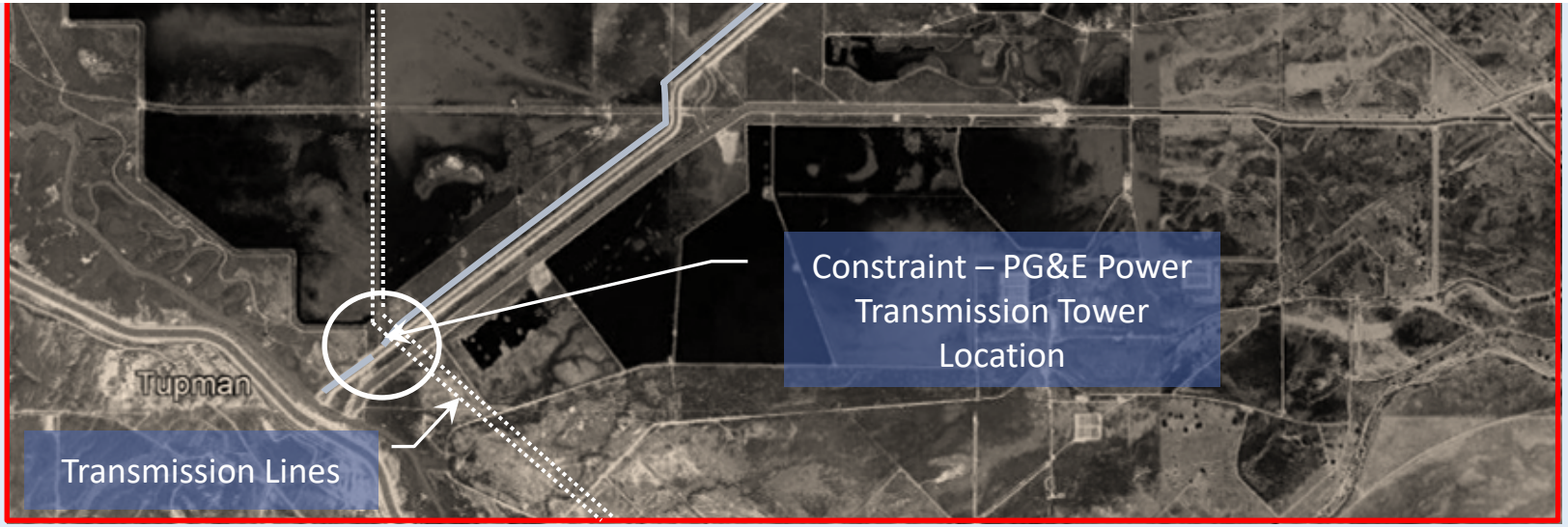
SWP Pool 28 Canal

Upstream Common CVC Pool

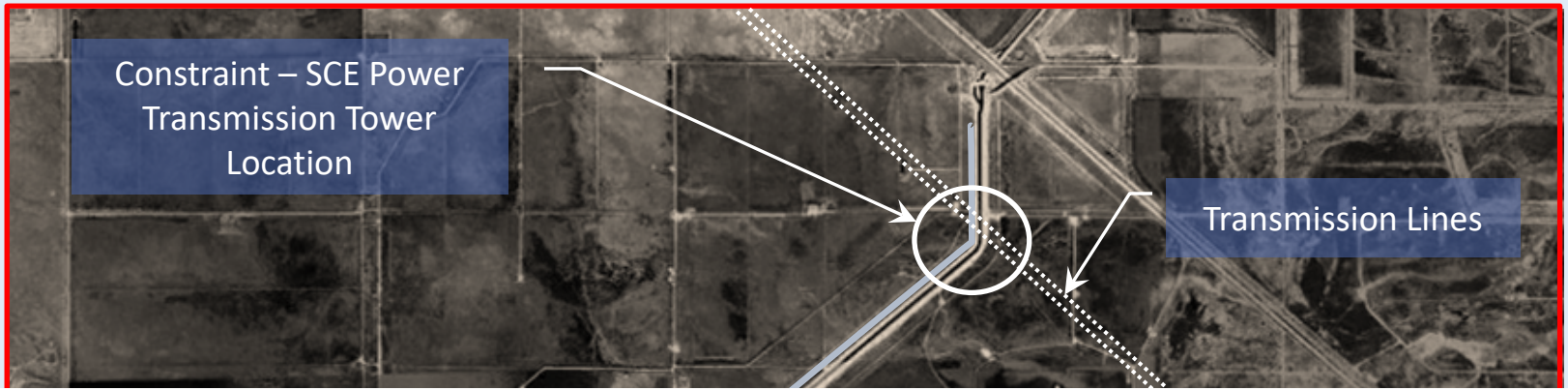
ALTERNATIVE 5-3 PG&E TRANSMISSION TOWER LAYOUT

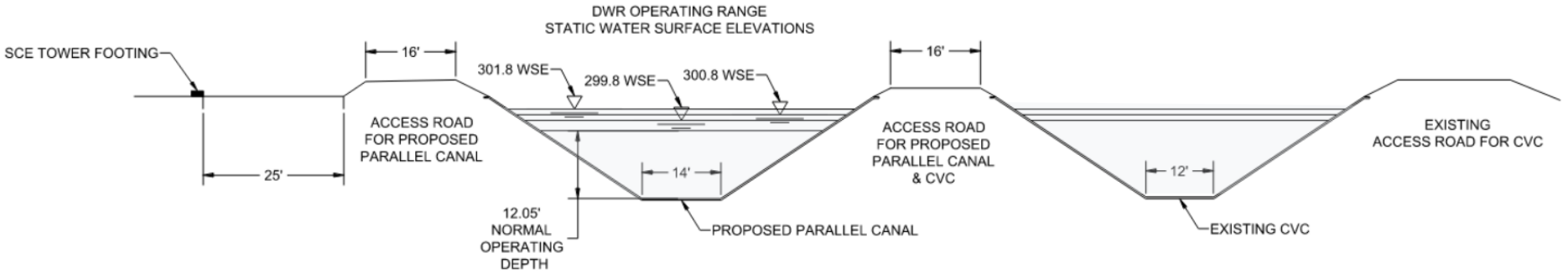


PG&E Tower / Canal Cross-Section



ALL ALTS: SCE TRANSMISSION TOWER LAYOUT

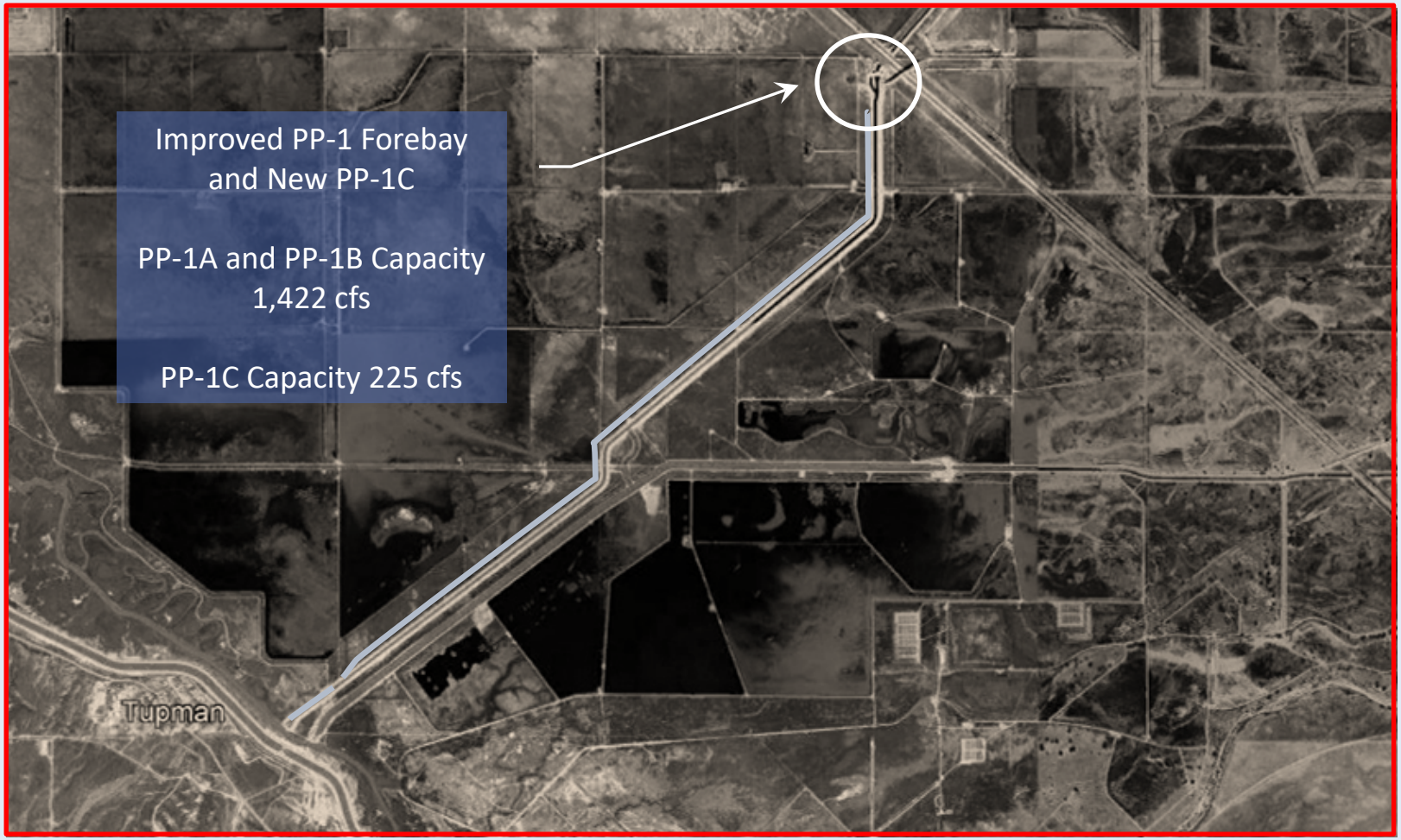




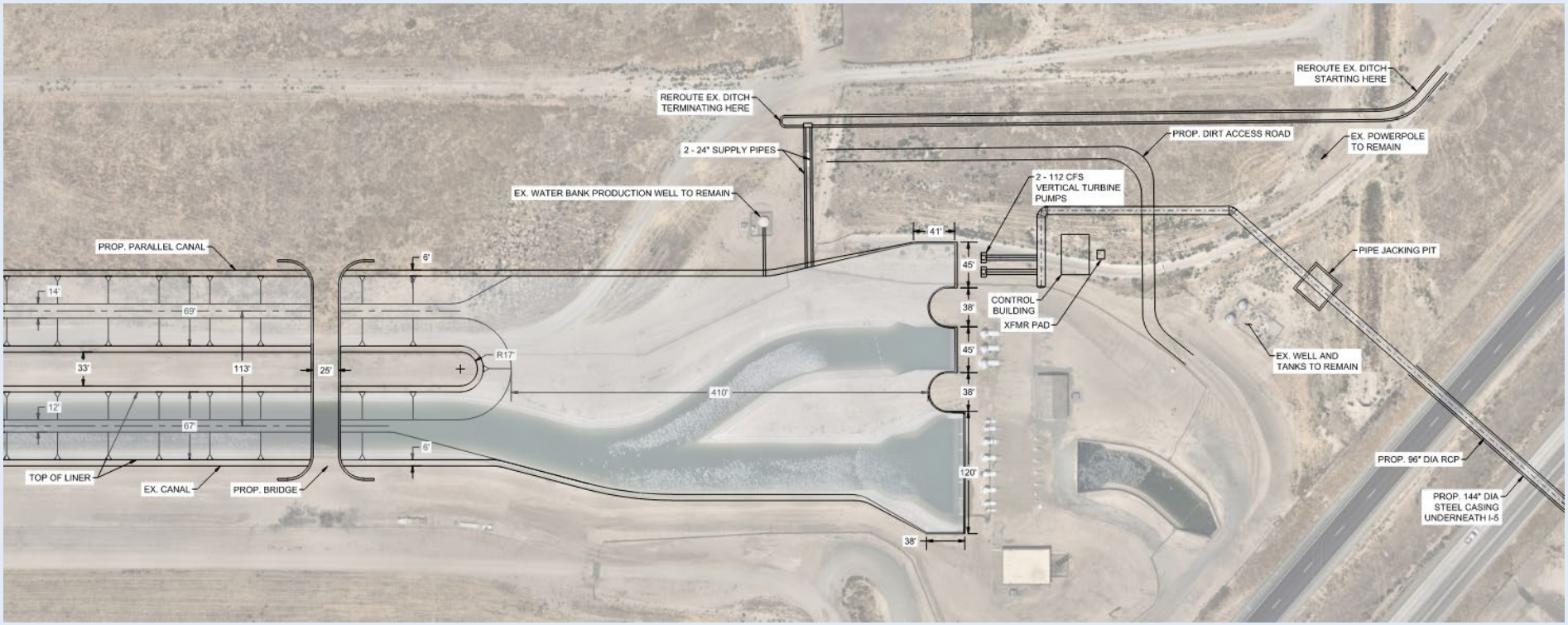
SCE Tower / Canal Cross-section

ALL ALTS: SCE TRANSMISSION TOWER LAYOUT

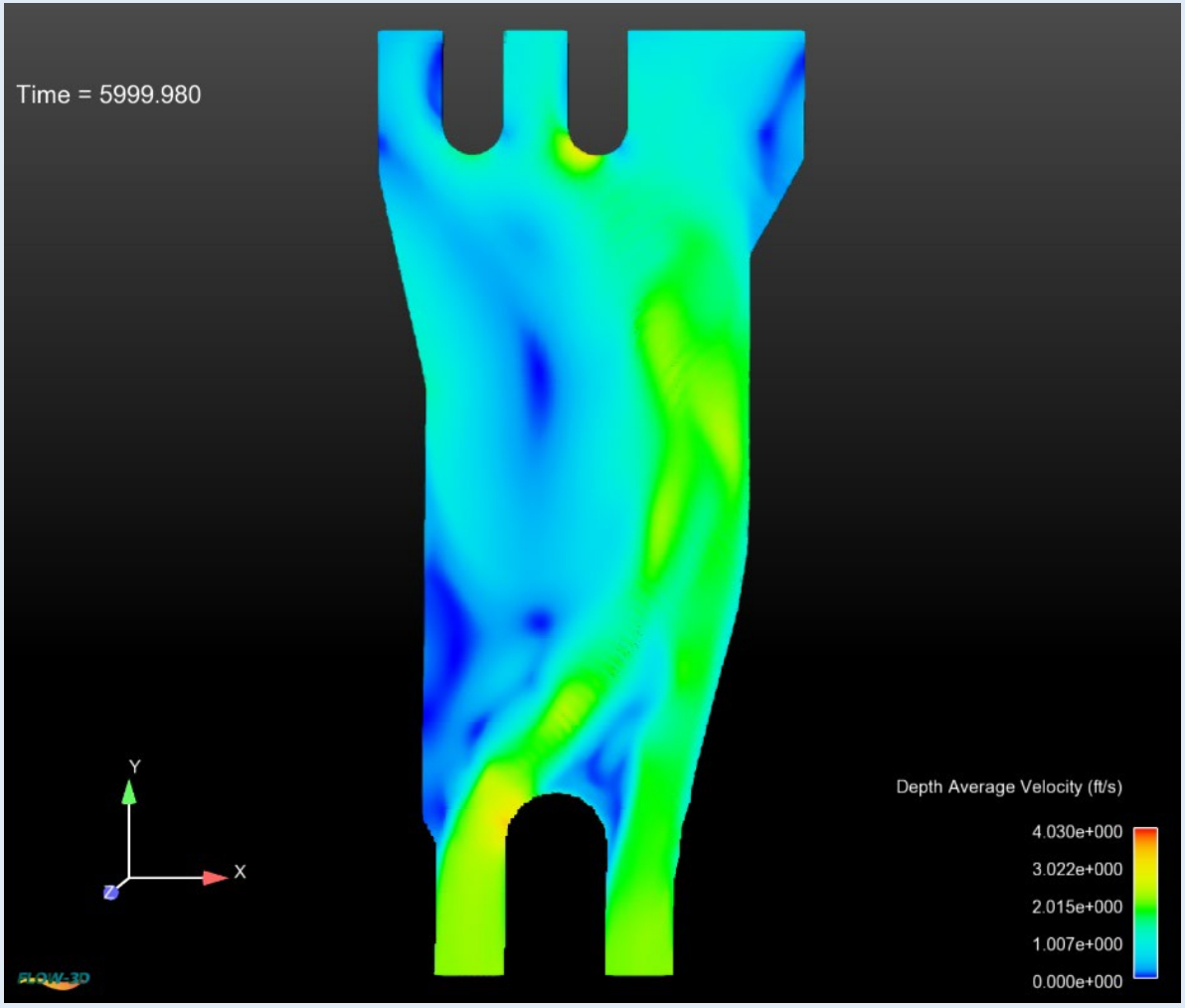
ALL ALTS: PUMPING PLANT 1 FOREBAY LAYOUT



PUMP STATION 1 IMPROVEMENTS

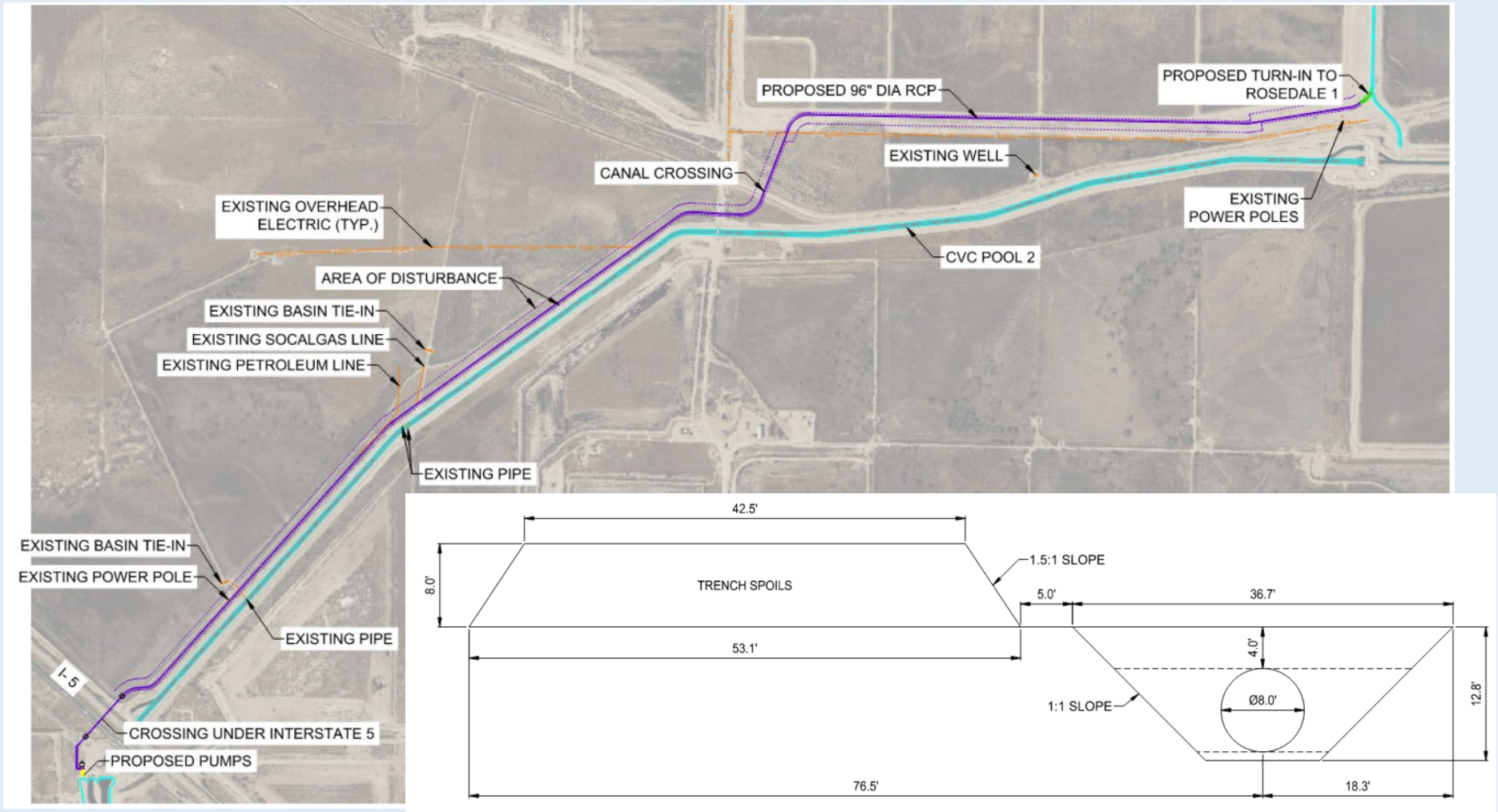


PUMP STATION 1 - CFD MODELING

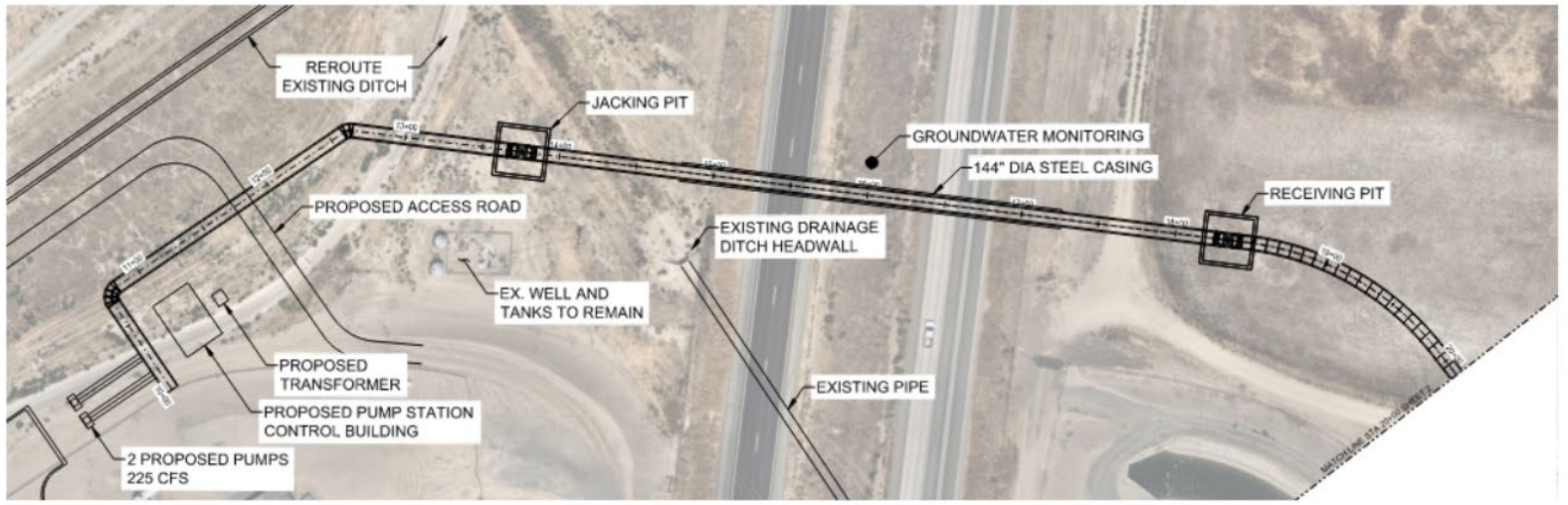


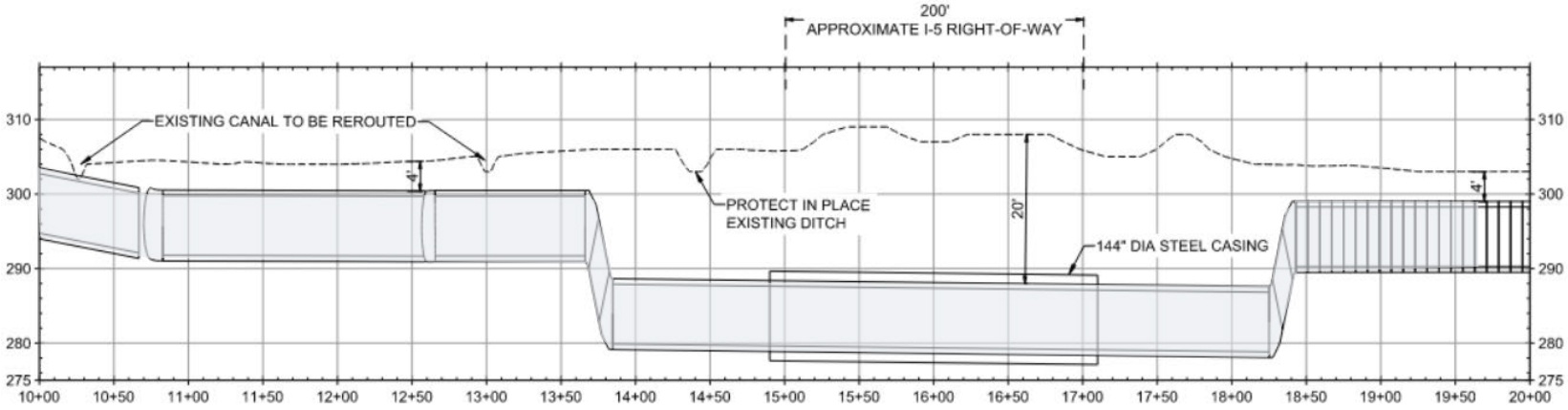
POOL 2 PIPELINE CONVEYANCE

POOL 2 PIPELINE - OVERALL

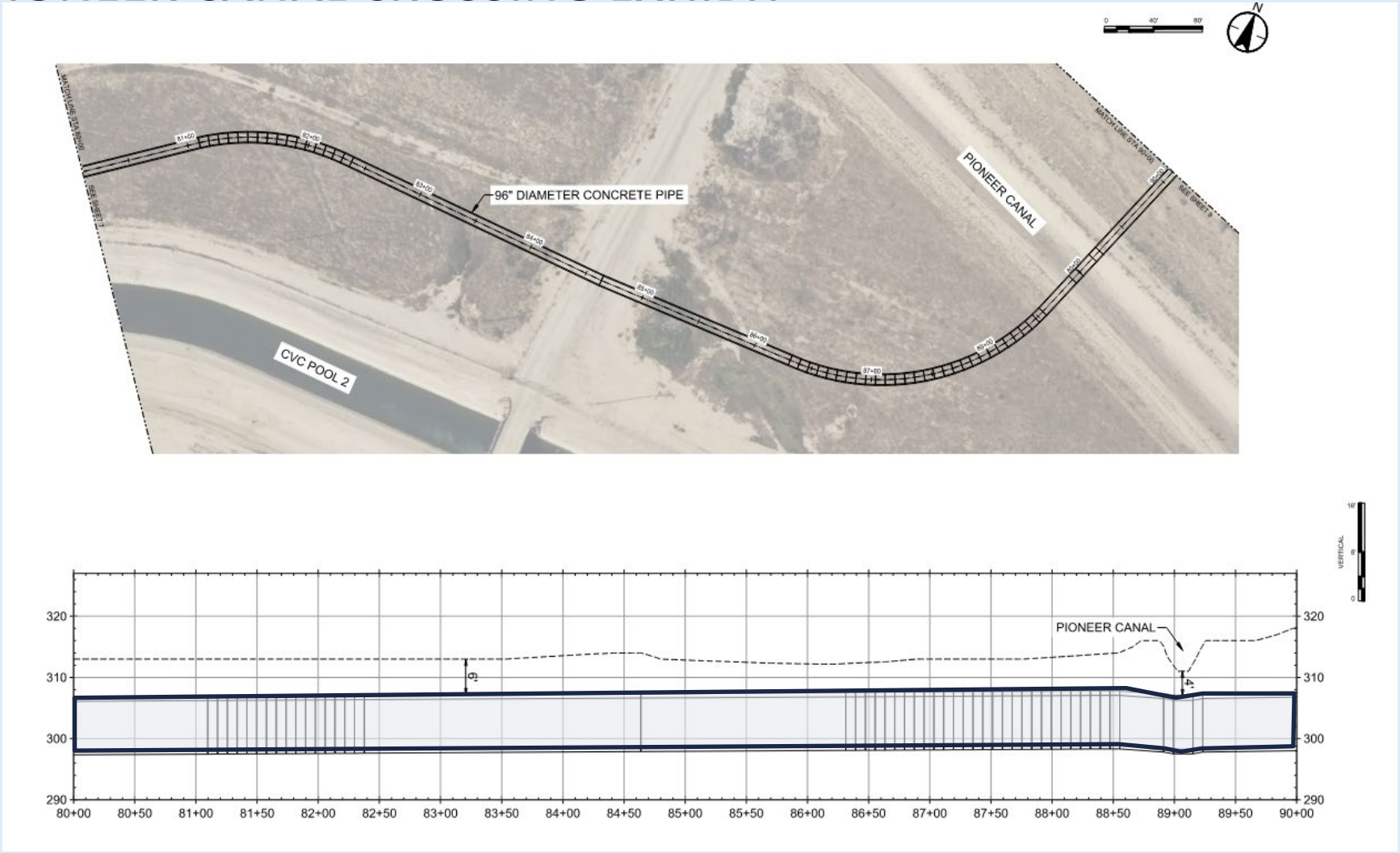


I-5 PIPELINE CROSSING EXHBIT

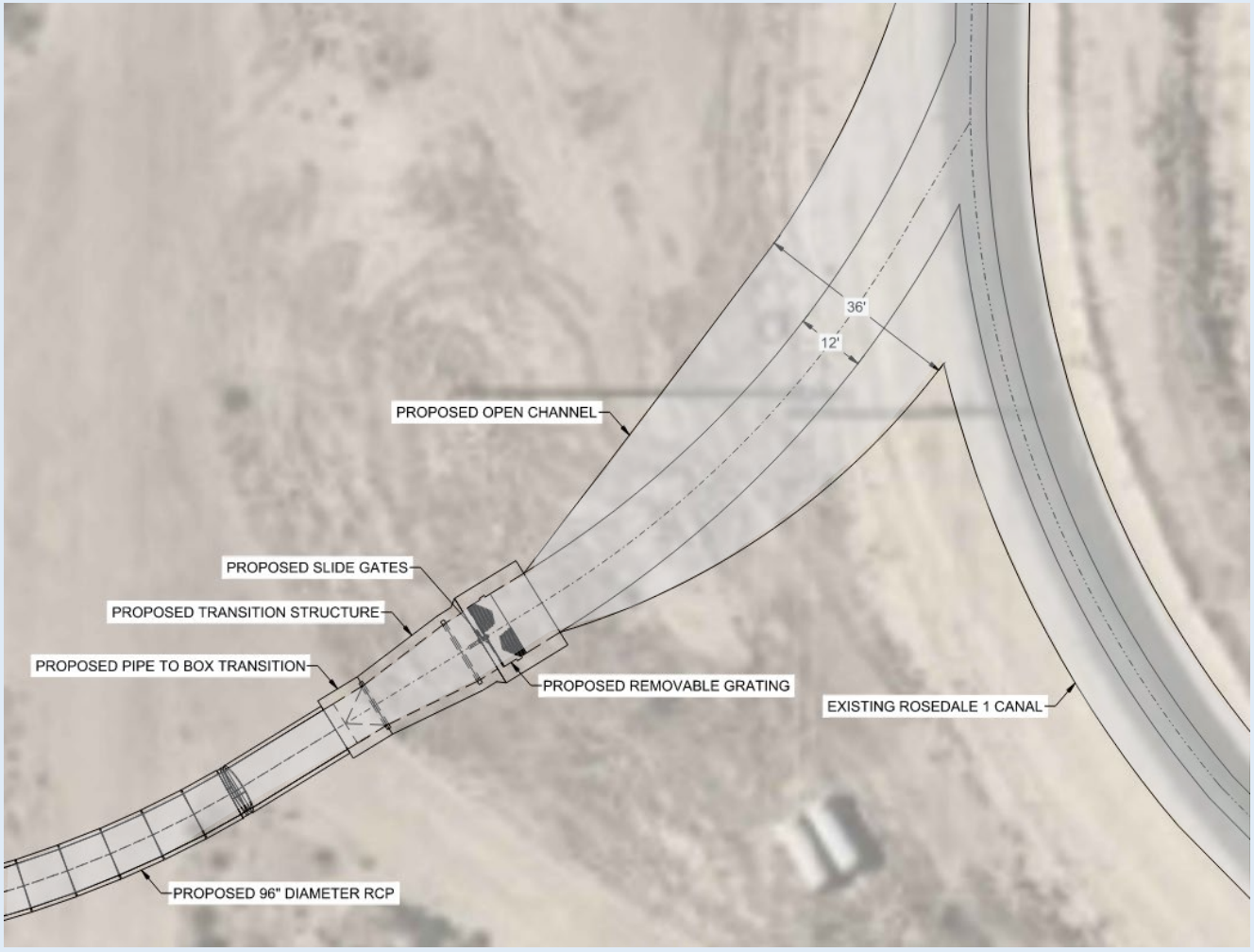




PIONEER CANAL CROSSING EXHIBIT

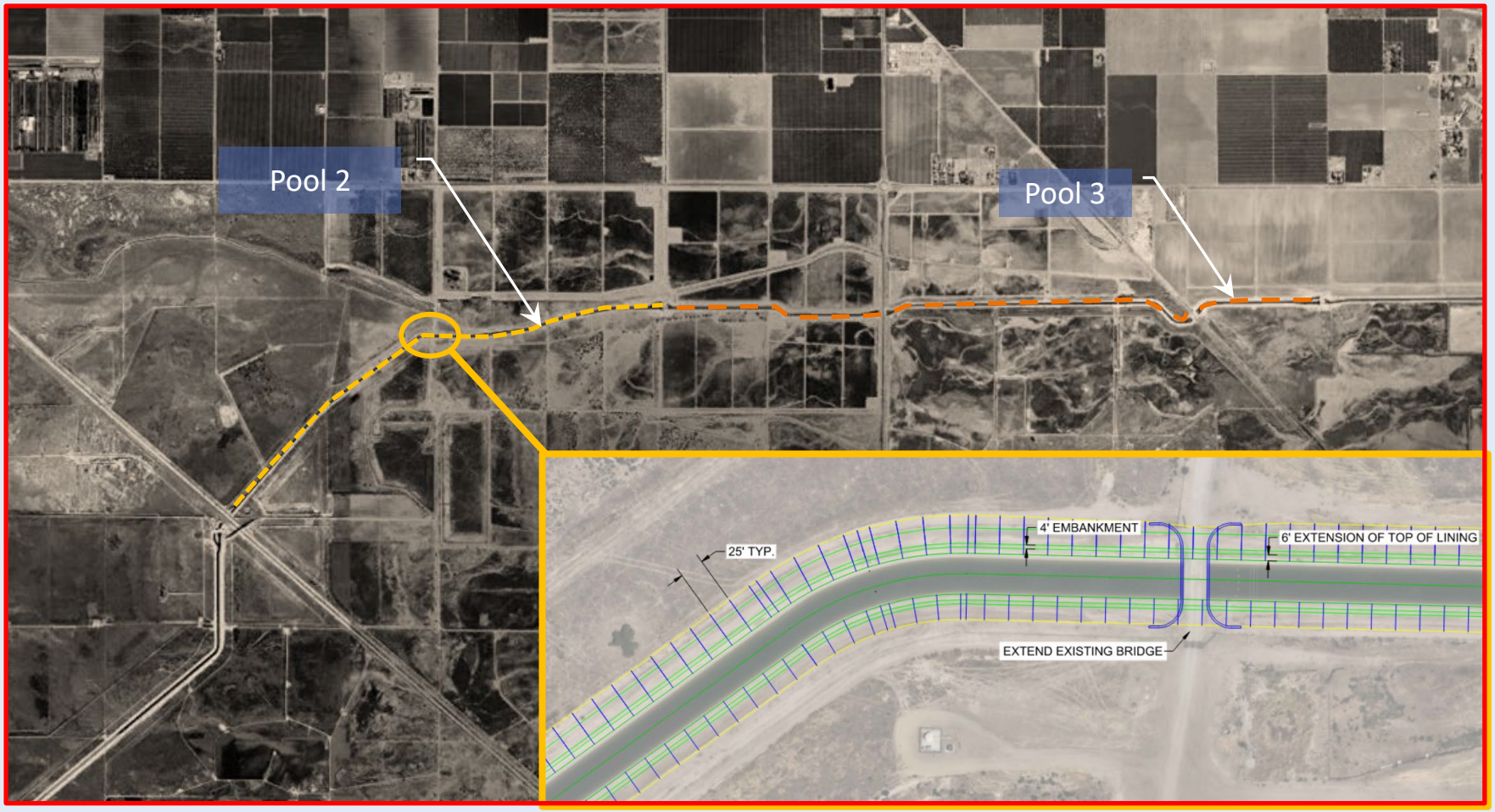


ROSEDALE 1 INTAKE EXHIBIT

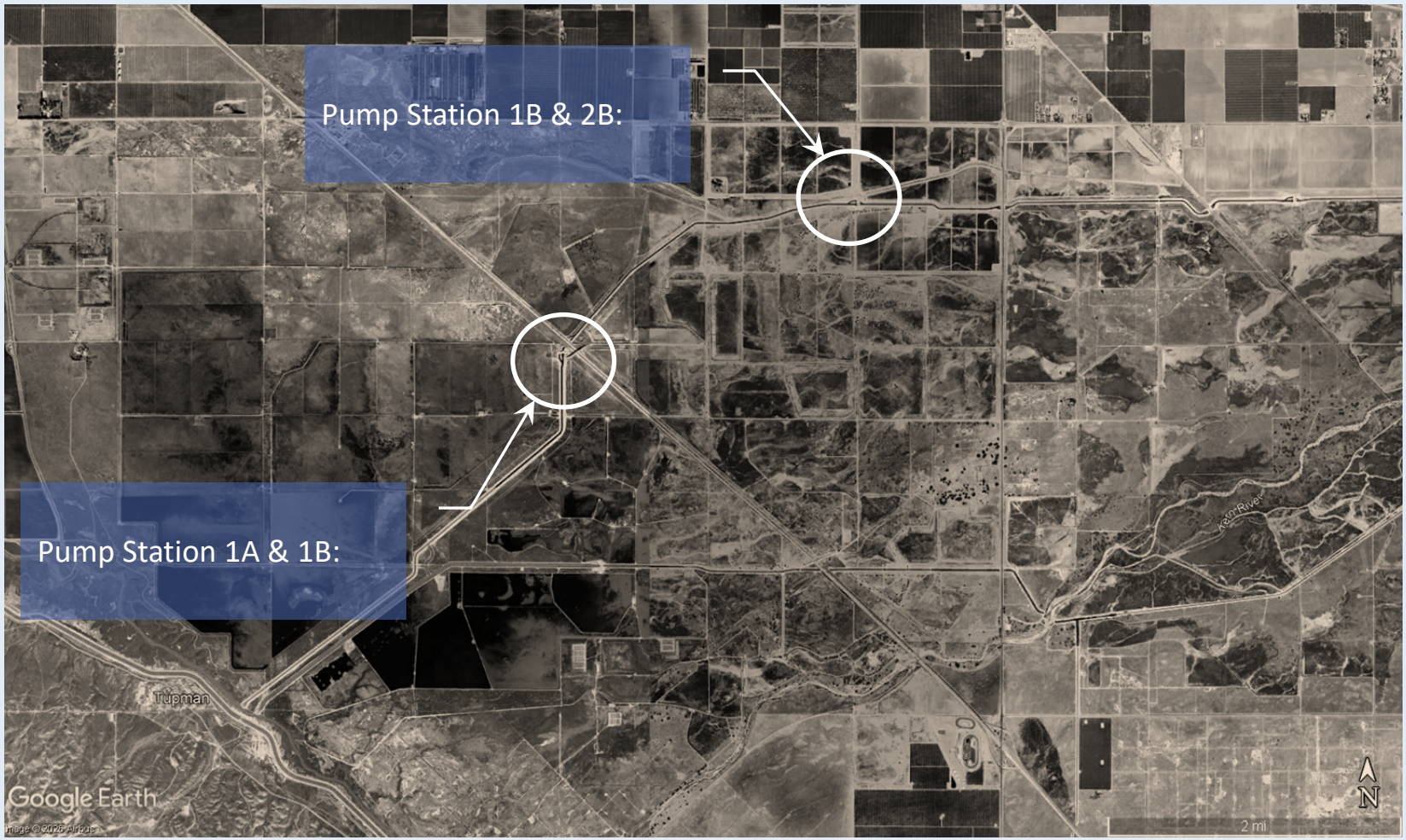


POOL 2 & 3 LINER RAISE REQUIREMENTS

POOLS 2 & 3 LINER RAISE - OVERALL EXHIBIT



PUMP STATION IMPROVEMENTS



SUMMARY OF PROJECT COSTS

COMPARISON OF ALTERNATIVES

DESCRIPTION	ALT 5-1	ALT 5-2	ALT 5-3
Excavation	353k	382k	338k
Impact to Tule Elk Res	No	No	Yes
Additional ROW – Canal Lett	Medium	Least	Most
Constructability	Medium	Least	Best
Canal Bypass Costs	Medium	Most	Least
Time or Flow Restrictions during Construction	Medium	Most	Least
Total Costs	Medium	High	Low

PROJECT COSTS

DESCRIPTION	ALT 5-1	ALT 5-2	ALT 5-3
TOTAL MATERIAL AND LABOR COSTS	**$78,175,000**	**$82,571,000**	**$73,316,000**
CONTRACTOR OVERHEAD AND PROFIT (18%)	$14,071,500	$14,862,780	$13,196,880
ENGINEERING (6%)	$5,534,790	$5,846,027	$5,190,773
CONSTRUCTION MANAGEMENT AND INSPECTION (8%)	$7,379,720	$7,794,702	$6,921,030
UPPER CONTIGENCY (25%)	$26,290,253	$27,768,627	$24,656,171
LOWER CONTIGENCY (-10%)	($10,516,101)	($11,107,451)	($9,862,468)
BONDS AND INSURANCE (3%)	$2,767,395	$2,923,013	$2,595,386
TOTAL PROJECT COST (UPPER BOUNDARY)	**$121,304,148**	**$128,125,421**	**$113,764,437**
TOTAL PROJECT COST (LOWER BOUNDARY)	**$84,497,794**	**$89,249,342**	**$79,245,798**

ENGINEERING TEAM NEXT STEPS

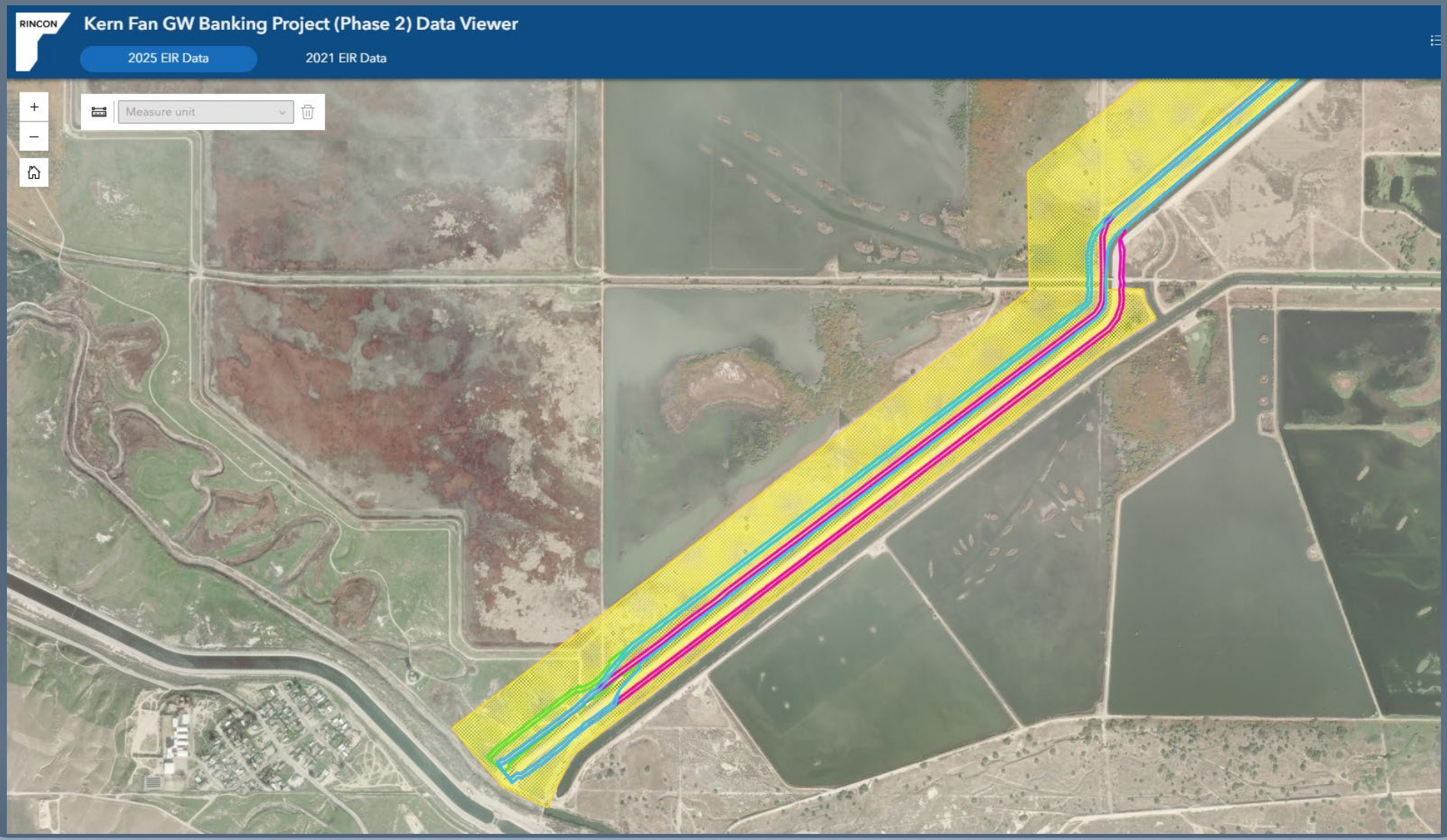
- Finalize Design Criteria for Liner Raises
- Value Engineering Respective of Overall Project Costs
- Prepare the Draft Feasibility Report
- Review with Project Team
- Finalize Feasibility Report
- Presentation to CVC Participants Results of Feasibility Report

PERMITTING TEAM UPDATE

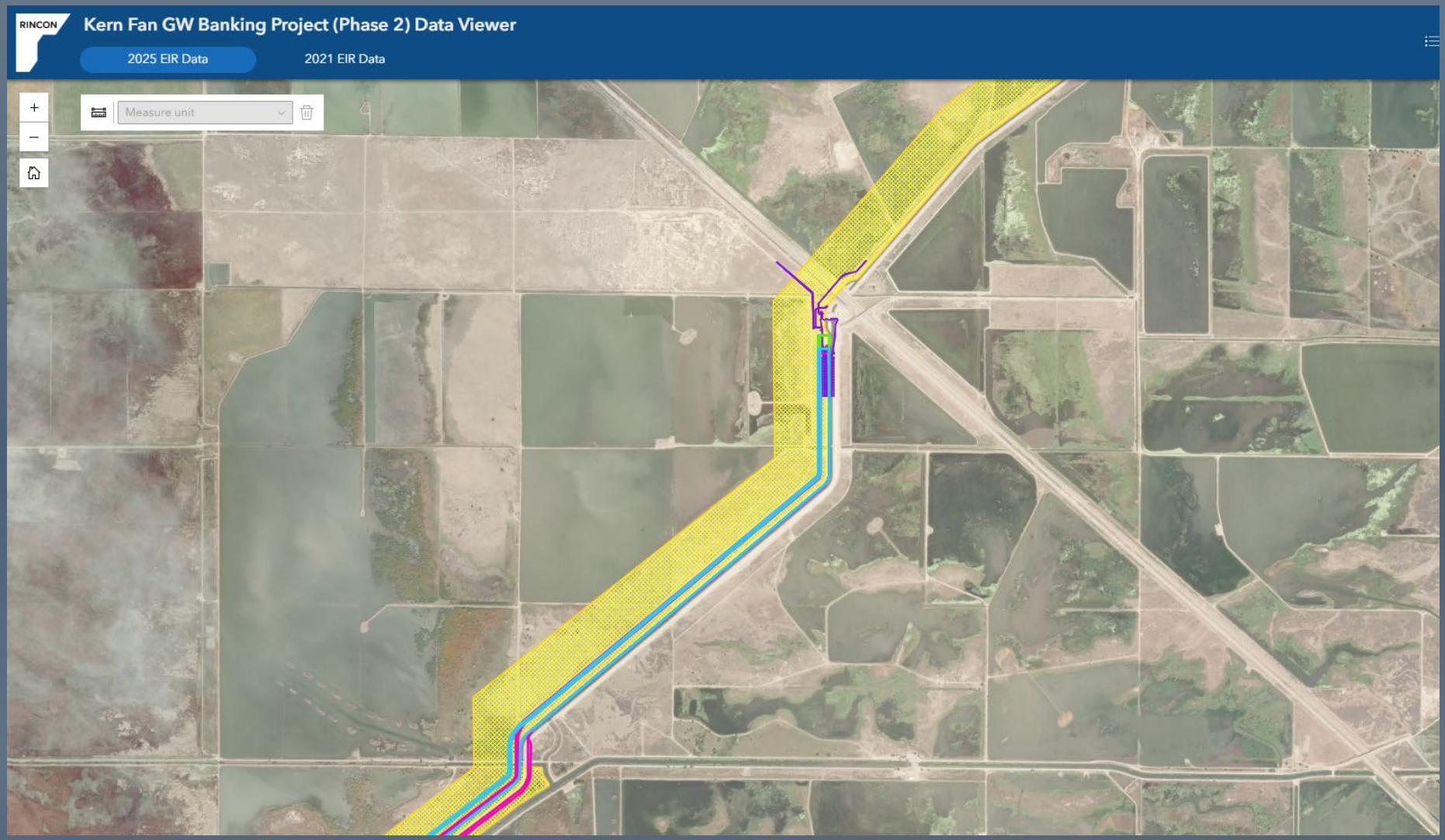
- GIS Tool
- Updates
- Agreements, Easements, and Permits
- Environmental Analysis

ROW GIS TOOL – Alt 5 Potential Alignments

ROW GIS TOOL – CVC Pool 1

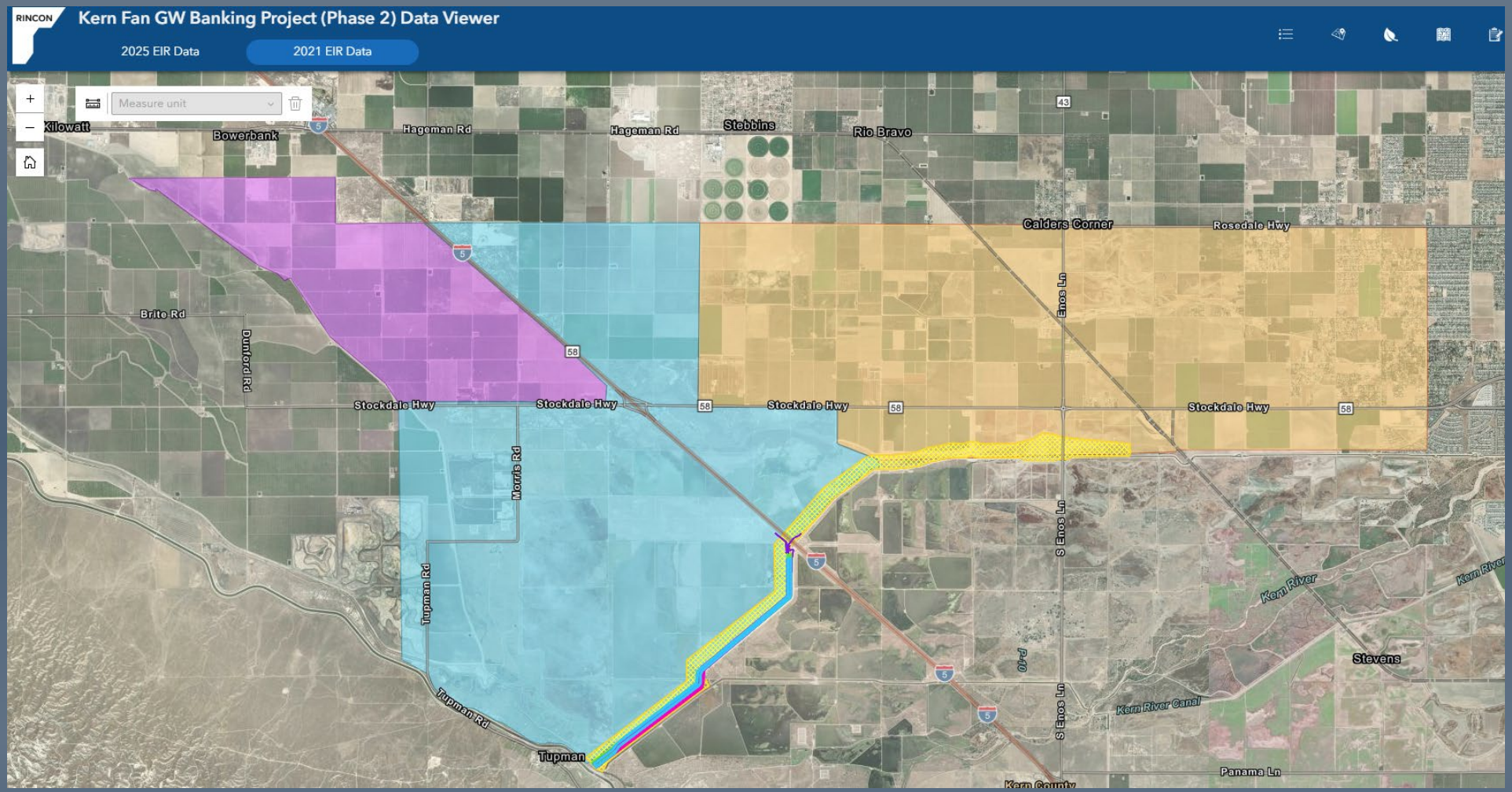


ROW GIS TOOL – CVC Pool 1



ROW GIS TOOL – CVC Pool 2

ROW GIS TOOL – 2021 EIR DATA Overlay



PERMITTING TEAM UPDATES

SINCE LAST MEETING

- Met with Cal State Parks to discuss the three alternative footprints for the Alt 5 crossing of Tule Elk Reserve.
  - Staff was open to discussions pertaining to potential crossing
  - Laid out process for easements, encroachment permits
  - Shared existing environmental documents for their review.
  - Highlighted tribal/cultural concerns within the area north of the CVC. State Parks staff to be performing site walks to identify potential areas of concern.
- Continued development of a GIS map tool that both teams can use to reflect information gathered from State Parks, KWB, other entities, and previous studies.
- Engaged consultant to perform biological surveys (spring and fall) to align with project timeline and avoid any delays. Working with KWB for encroachment permit for access.

AGREEMENTS, EASEMENTS & PERMITS

AGREEMENTS

- DWR – Turnout, Operations
- KCWA – Construction/Turnout, Operations

EASEMENTS

- DWR – Construction (may be covered under agreements)
- KWB – Pending final location of Alt 5 footprint
- CA State Parks – Pending final location of Alt 5 footprint

PERMITS

- DWR - Encroachment permits for ROW access during construction
- KCWA - Encroachment permits for ROW access during construction
- KWB - Encroachment permits for ROW access during construction
- State of CA – Streambed Alteration Permit (Outlet Canal), LSAA, 401, 404 Permit?
- CalTrans – Pending final location of Alt 5 footprint

ENVIRONMENTAL ANALYSIS

CURRENT STATUS

- Project remains in the early planning and feasibility stage
- Pending final location of Alt 5 footprint
- Environmental review has not yet been initiated

EXISTING CEQA DOCUMENTATION

- The Kern Fan Groundwater Storage Project EIR provides relevant background and analysis
- Depending on the final project definition, this phase may tier from or reference the Kern Fan Project EIR, as appropriate
- This approach will be evaluated with environmental consultants and will be consistent with CEQA Guidelines

NEXT STEPS

- Develop a detailed project description to support the determination of the appropriate CEQA pathway, if any (Rincon)
- Initiate environmental review once project characteristics and potential impacts are better understood


Questions/Feedback

ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT
GROUNDWATER SUSTAINABILITY AGENCY

849 Allen Road Bakersfield, CA 93314
(661)589-6045
www.rrbwsd.com

March 31, 2026

To: Stakeholder Advisory Group
Rosedale-Rio Bravo Water Storage District
Agenda Item: 2f

From: Trent Taylor

Re: RRB-11: Delta Conveyance Project

Discussion:

P/MA Number	P/MA Name	Summary Description	Relevant Sustainability Indicators Affected		
			Groundwater Levels & Storage	Groundwater Quality	Land Subsidence
Projects		**Implemented** / **Functional** / **In-Process**		**As-Needed**	
RRB-11	**Delta Conveyance Project**	Participation in the DCP. Alternative under Delta tunnels.	✓	✓	✓

ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT
GROUNDWATER SUSTAINABILITY AGENCY

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(661)589-6045
www.rrbwsd.com

March 31, 2026

To: Stakeholder Advisory Group
Rosedale-Rio Bravo Water Storage District
Agenda Item: 2g

From: Dan Bartel

Re: KSB-1: Friant Kern Canal Capacity Mitigation

Discussion:

P/MA Number	P/MA Name	Summary Description	Relevant Sustainability Indicators Affected		
			Groundwater Levels & Storage	Groundwater Quality	Land Subsidence
Projects		**Implemented** / **Functional** / **In-Process**		**As-Needed**	
KSB-1	**Friant-Kern Canal Capacity Mitigation**	1) Collaborate with FWA to develop cost estimates for the Lower Reach Capacity Correction, 2) develop an attribution analysis of post-2020 subsidence impacts, 3) participate in developing a value of water analysis in cooperation with FWA, and 4) develop and implement a funding mechanism to pay for post-2020 conveyance impacts on the FKC attributable to subsidence.	✓		✓

ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT
GROUNDWATER SUSTAINABILITY AGENCY

849 Allen Road Bakersfield, CA 93314
(661)589-6045
www.rrbwsd.com

March 31, 2026

To: Stakeholder Advisory Group
Rosedale-Rio Bravo Water Storage District
Agenda Item: 3a

From: Dan Bartel

Re: RRB-12: Project Recovery Operations Plan

Discussion:

P/MA Number	P/MA Name	Summary Description	Relevant Sustainability Indicators Affected		
			Groundwater Levels & Storage	Groundwater Quality	Land Subsidence
Projects		**Implemented** / **Functional** / **In-Process**		**As-Needed**	
RRB-12	**Project Recovery Operations Plan**	Domestic, small community, and irrigation well mitigation program to address impacts related to the temporary lowering of water levels during prolonged droughts on adjacent lands.	✓		

PROJECT RECOVERY OPERATIONS PLAN REGARDING PIONEER PROJECT, ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT, AND KERN WATER BANK AUTHORITY PROJECTS

Purpose:

The Kern County Water Agency, on behalf of itself and the Pioneer Project Recovery Participants, Rosedale- Rio Bravo Water Storage District, and the Kern Water Bank Authority (the Parties) have developed this Operating Plan to designate measures, consistent with the MOUs[1] governing their respective projects, to *"... prevent, eliminate or mitigate significant adverse impacts"* resulting from project recovery operations. This plan applies to all recovery programs undertaken by any of the Parties' projects that are governed by MOUs. Pioneer mitigation includes the Pioneer Project, Berrenda Mesa Banking Project and Improvement District No. 4's Allen Road well field. This plan applies to landowners using groundwater for overlying agricultural or domestic uses as of the date this plan is executed. It does not apply to wells installed after the date of this plan that are installed to unsuitable depths based on historic water level fluctuations.

Plan Components:

1. **Establish a Joint Operations Committee (JOC):**

   a. Representatives from each of the Parties will participate in the JOC. Each Party will have equal representation on the JOC and an equal voice in its determinations, except that with respect to claims made to the JOC, only those parties contributing to mitigation will have a vote in determinations made on such claims.

   b. The JOC will meet as needed during years in which recovery operations are occurring (or expected to occur) to evaluate groundwater conditions, model results, landowner claims, and any other topics of concern. It is expected that the JOC will meet at least monthly during years when recovery operations are occurring.

   c. The JOC may establish a technical subcommittee to assist with compiling information to use in evaluating claims.

   d. The JOC will evaluate all claims with respect to model results and other appropriate information and the triggers established in Section 3, and approve or reject such claims. If claims are approved, appropriate mitigation will be determined as further described in Section 3. If mitigation is provided, the JOC will fund and/or contribute to the actions as described in Section 4.

[1] MOU refers to all of those MOUs executed by the parties that contain terms substantially similar to the *Memorandum of Understanding Regarding Operation and Monitoring of the Kern Water Bank Groundwater Banking Program* (dated October 26, 1995).

2. Evaluate Groundwater Conditions

a. The Parties have developed groundwater models (AMEC and Harder) as a tool to evaluate With Project versus Without Project groundwater levels and predict potential groundwater impacts. The Parties shall mutually agree on the assumptions used for Without Project conditions, and for purposes of making determinations hereunder an average of the output for the two models shall be utilized. The Pioneer Without Project condition shall assume farming is continued on its footprint.

b. The models will be updated regularly (at least annually) and compared to actual conditions during years in which recovery occurs. The Parties shall mutually cooperate to attain all data necessary for such updates. The Parties will utilize the water quality and water level monitoring data collected by the Kern Fan Monitoring Committee, and may conduct additional monitoring as needed. The Parties will report the results of the modeling to their respective Boards of Directors and shall publish on their respective websites maps and data showing current and projected water level information in the general area of the projects. As a matter of practice, the Parties will use the best and latest science and information available in all modeling and technical matters.

c. Absent unanimous approval of the JOC, recovery in any calendar year beyond March 15 of that year shall not commence (or continue) until the Models have been run for the projected operations and the Committee has met to review the results.[2]

d. The Models will be used to:
   i. Forecast With Project and Without Project groundwater levels at the outset of recovery programs.
   ii. Forecast any localized areas for special attention and/or monitoring.
   iii. Attempt to identify domestic wells at risk of impacts.
   iv. Determine if mitigation triggers have been met (See Section 3b).

e. The Parties may, based on experience gained, select a mutually agreeable groundwater model capable of accurately predicting groundwater impacts resulting from project operations.

f. In case of a dispute concerning a technical issue with a model, such as data inputs or the results based thereon, the Parties shall consult with a third party to resolve the matter.

3. Triggers and Actions

a. These actions will not occur in years when average water levels (measured at the following wells: 29S/25E-25M1&2, 29S/26E-31H1&2, 29S/26E-34M1, and 29S/26E-35H) are less than 140 feet from the surface as measured on March 31 of a given year

[2] Model data for a preceding year becomes available at different times in the following year. Modeling at the beginning of any given year will necessitate estimating certain model input data for the preceding year (e.g. Kern River losses). These estimates will be replaced with actual data at regular intervals when the model is updated.

because it is expected that water levels will not decline during such year to an extent resulting in a mitigatable impact.

b. The trigger for whether mitigation is considered shall be based upon an analysis and comparison of Model generated Without Project conditions to Model generated With Project conditions. When the With Project conditions are fifteen (15) or forty-five (45) feet deeper than the Without Project conditions at any operative domestic or agricultural well, respectively, and mechanical failure or other operational problems have occurred or are reasonably likely to occur due to declining water levels, mitigation will be provided as described below.

c. To be eligible for mitigation as provided below, the affected landowner shall allow the JOC (or representatives thereof) to perform a field inspection as described in 3.d. below, and provide claim information concerning the condition of the well and casing and pumping equipment, as determined appropriate by the JOC. The JOC shall evaluate all submitted claims within forty-five (45) days of receipt, provided that the landowner cooperates with the collection of necessary information. All mitigation actions are contingent upon the claimant executing an appropriate release, the terms of which will depend upon the nature of the mitigation provided.

d. For all claims, a field inspection will be conducted with the consent and coordination of the landowner to determine static depth to groundwater levels within the well and verify well construction information and pump setting information, if possible.

e. Well construction information and pump setting information will be compared to Model projected pumping water levels to determine pump submergence levels and evaluate the necessity and feasibility of mitigation measures. Mitigation measures, if warranted, will include one or more of the following:
   i. Providing a short-term emergency water supply to domestic well owners. Short-term emergency supplies shall be provided as soon as reasonably possible, but in all cases within 14 days of notification to the JOC of such needs;
   ii. Providing funds to lower a well pump;
   iii. Providing funds to complete a connection to an M&I water provider;
   iv. Supplying an equivalent water supply from an alternate source;
   v. Providing funds to replace the affected well with a deeper well that meets Kern County well ordinance standards;
   vi. Reducing or adjusting recovery pumping as necessary to avoid the impact; or
   vii. With the consent of the affected landowner, providing other acceptable mitigation.

f. Mitigation will not be provided where it can be demonstrated that the affected well requires remediation for reasons other than temporary groundwater level declines resulting from Project operations (i.e., general overdraft conditions, lack of well maintenance, normal wear and tear, failure of well equipment, etc.).

4. **Mitigation Funding**

a. It is the intent of the Parties to mitigate and/or compensate for legitimate Project impacts; it is not the intent of the Parties or the Plan to generate a windfall for landowners. Accordingly, adjustments will be made for depreciation of existing equipment and landowner contributions based on betterment for all mitigation measures. See Exhibit A for an example of such adjustments.

b. All costs paid, water supplies provided, and/or pumping reductions used by the Parties to prevent, eliminate or mitigate claimed impacts at a well site shall be initially allocated among the parties according to their respective projects' proportionate contributions to the With Project water level as compared to Without Project water level, as determined by using an average of the most recent versions of the models. After years end, the models shall be updated with the actual operations data for that year and recalibrated, and the average of the results of such modeling shall be used for a final allocation of the projects' proportionate contributions levels. If appropriate, the parties shall exchange funds and/or water supplies among them in accordance with the final allocation. For administrative ease, only an initial and final allocation for a given year shall be required. This procedure shall apply to mitigation for both domestic and agricultural wells.

c. All costs expended by any Party for equipment, water supplies or labor that is/are purchased or provided to address emergency health and safety concerns at domestic wells (exclusive of the costs described in 4.b. above) shall initially be allocated equally between the Parties. These costs shall be reallocated among the parties after years end per the procedure described in 4.b. above, provided that only those domestic wells for which emergency health and safety costs were incurred by a party shall be included in such reallocation, and further provided that the projects' proportionate contribution levels shall be based on the melded average of the results of the reallocation at all of the wells included in the reallocation.

d. All costs expended by any JOC participant in the administration of the JOC on behalf of all participants (e.g., processing claim response letters, calls from claimants, postage, notary public services, etc.) shall initially be allocated equally between the Parties. These costs shall be reallocated after years end per the procedure described in 4.b. above.

5. **Additional Actions and Miscellaneous.**

a. The term of this Operations Plan shall commence on February 1, 2017, and shall terminate on January 31, 2019. The Parties may agree to extend this Operations Plan and will meet starting October 1, 2018 to discuss any extension.

b. Modification language - This Operations Plan may not be altered, amended, or modified in any respect, except by unanimous consent of the Parties. Any modification to this Operations Plan must be made in writing and executed by all the Parties.

c. Except as set forth below, in the event the Joint Operations Committee cannot agree on (1) the implementation of this agreement, or (2) the proper action in response to a landowner claim, such dispute shall be submitted to binding arbitration before a single neutral arbitrator appointed by the Parties, and in absence of such consent, appointed by the presiding judge of the Kern County Superior Court. Any arbitrator selected by the parties shall have experience arbitrating groundwater disputes. The arbitration shall be called and conducted in accordance with such rules as the Parties shall agree upon, and in the absence of such agreement, in accordance with the procedures set forth in California Code of Civil Procedure section 1282, et seq. Notwithstanding the foregoing, in any arbitration the Parties agree that discovery will be allowed pursuant to Code of Civil Procedure section 1283.05. The Parties shall attempt to jointly appoint the neutral arbitrator within ten (10) days after a dispute arises, and in the event the Parties cannot agree to a neutral arbitrator within said ten-day period, either Party may make a request to the presiding judge of the Kern County Superior Court immediately thereafter. In the event a landowner submits a claim and the Joint Operations Committee cannot agree on the proper action in response, the arbitration requirement shall be contingent upon the landowner's express written consent to proceed and be bound by arbitration and to pay his/her/its proportionate share of arbitrator fees and related costs. Absent such landowner consent, there shall be no obligation on the part of either Party to arbitrate any such dispute.

d. With respect to the interpretation and enforcement of this Plan, and with respect to the resolution of any matter left for future determination or implementation, the Parties agree to carry out such duties and responsibilities in good faith and in cooperation with one another, to the end that the objectives and purposes of this agreement will be achieved and/or carried out to the greatest extent practicable.

APPROVED this 1st day of February, 2017

"PARTIES"

KERN COUNTY WATER AGENCY, on behalf of itself and the Pioneer Project Recovery Participants

By:_____

KERN WATER BANK AUTHORITY

By:_____

ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT

By:_____

Joint Operations Committee
Well Cost Alternatives Worksheet

Date: October 13, 2015
Case No. 15-017
Name: Ross Johnson

A. Notes:

1. Pump was lowered in 2015.
2. Pump was pulled in October 2015 and found to be sanded up. (ME Beggs Invoice)
3. Bottom of well was tagged in October 2015 at 288 ft or 6 ft shallower than a year ago. (ME Beggs Invoice)
4. Casing is flaking off (ME Beggs Invoice)

B. Exhibit A Analysis:

i. Pump Capacity Analysis:

Required Pump Flow Rate (Estimated)				10 GPM
Measured Pump Flow Rate (Estimated)				0 GPM
Difference				10 GPM
Adequate Capacity	Yes	____ No	X	

ii. Pump Setting Analysis:

Depth of Casing:				288 Ft
Depth to Water (Static)				222 Ft
Depth to Pumping Water Level (Estimated)				231.5 Ft
Drawdown				9.5 Ft
Pump Setting				284 Ft
Pump Submergence				52.5 Ft
Adequate Submergence	Yes	X No		
Projected static depth to water level (From Study)				250 Ft
Drawdown				9.5
Required Submergence				50
Projected 10 Year Casing Setting				175
Modified Pump Setting				485 Ft
Existing Casing Depth				288 Ft
Modified Pump Setting				485 Ft
15 feet minimum pump clearance.				15 Ft
Required casing depth in ten years.				500 Ft
Existing Casing Depth below Required Casing Depth				(212) Ft
Adequate Clearance	Yes	____ No	X	

C. Well Replacement Analysis

Well Replacement Depreciation Analysis:

Existing well casing - Expected Life	50 Years
Existing well casing - Age	38
Existing well casing - Expected Remaining Life (Casing has failed)	0
Existing pump -- Expected Life	15 Years
Existing pump - (Pump replaced in July 2015)	0
Existing pump - Expected Remaining Life	15

Note: In some cases, existing column, tube, shaft and motor should also be evaluated, or included with Existing pump.

Facility Remaining Replacement Cost Analysis:

	Cost	Cont. Amount	Total
Drilling and casing cost for new well.	90,000	9,000	$99,000
Purchase and installation of new pumping equipment.	5,000	500	$5,500
Salvage Value			$0
Total:			$104,500

Unit Well Replacement Cost	$99,000	/	500 FT =		$198 /FT
Existing Well - Replace Cost	$198	/FT x	288 FT =		57,024
Existing Well - Depreciated Value					57,024
Existing Well - Remaining Value					0
New Well - Incremental Cost	$198	/FT x	212 FT =		41,976
Action Fund Mitigation Cost					$41,976
Unit Pump Replacement Cost	$5,500	/	485 FT =		$11 /FT
Existing Pump - Replace Cost	$11	/FT x	284 FT =		3,224
Existing Pump - Depreciated Value					0
Existing Pump - Remaining Value					3,224
New Pump - Incremental Cost	$11	/FT x	201 FT =		2,276
Action Fund Mitigation Cost					$5,500

Facility Replacement Cost Summary:

Owner Cost for Facility Replacement	**$57,024**
Action Fund Cost for Facility Replacement	**$47,476**
Total Replacement Cost	**$104,500**

D. Cost Alternative Summary:

1) Cost to drill new well to a depth of 495 ft.	$99,000
2) Incremental cost to drill new well from 288 ft down to 495 ft.	$41,976
3) Drill New Well & Provide Pump (Full Cost)	$104,500

E. Action Fund Cost

Exhibit A - Incremental cost to drill new well from 288 ft down to 495 ft and lower pump from 284 ft to 485 ft.	**$47,476**

ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT
GROUNDWATER SUSTAINABILITY AGENCY

849 Allen Road Bakersfield, CA 93314
(661)589-6045
www.rrbwsd.com

March 31, 2026

To: Stakeholder Advisory Group
Rosedale-Rio Bravo Water Storage District
Agenda Item: 3b

From: Markus Nygren/Trent Taylor

Re: RRB-13: White Land Imbalance Reduction

Discussion:

P/MA Number	P/MA Name	Summary Description	Relevant Sustainability Indicators Affected		
			Groundwater Levels & Storage	Groundwater Quality	Land Subsidence
Projects		**Implemented** / **Functional** / **In-Process**		**As-Needed**	
RRB-13	**White Land Water Budget/Demand Imbalance Reduction**	White Lands (non-RRBWSD lands in RRBWSD GSA) not used for groundwater banking will correct the water supply imbalance by setting water budgets and a linear reduction of 5% per year over the planning period of 2020-2040.	✓	✓	✓

ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT
GROUNDWATER SUSTAINABILITY AGENCY

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March 31, 2026

To: Stakeholder Advisory Group
Rosedale-Rio Bravo Water Storage District
Agenda Item: 3c

From: Trent Taylor

Re: RRB-14: Water Charge Demand Reduction

Discussion:

P/MA Number	P/MA Name	Summary Description	Relevant Sustainability Indicators Affected		
			Groundwater Levels & Storage	Groundwater Quality	Land Subsidence
Projects		**Implemented** / **Functional** / **In-Process**		**As-Needed**	
RRB-14	**District Land Water Budget/Water Charge Demand Reduction**	Setting a Sustainable Water Budget and collection of a Groundwater Use Charge, assisting with project financing, and creating approximately a 2.5% demand reduction.	✓	✓	✓

ROSEDALE-RIO BRAVO
WATER STORAGE DISTRICT

FARMING UNIT DECLARATION FORM

The Rosedale-Rio Bravo Water Storage District (Rosedale) Board of Directors has adopted a "Water Charge Policy" under which landowners will be charged for groundwater use in excess of available supply on an annual basis. Within the Water Charge Policy, it allows landowners to consolidate all the land holdings that they own/control under a "Farming Unit" which will be used to determine the total amount of the landowner's supply and use for purposes of determining the amount of the water charge due.

For the purpose of establishing initial Farming Units, Rosedale has used the Kern County Tax Roll to create Farming Units within the Rosedale Water Budget Accounting Platform (www.waterbudget.rrbwsd.com). The use of this platform is an important component of the Water Charge Policy, as it will be the only location utilized to track Total Supply, Demand, and estimated Water Charge amounts. If you have not yet created an account, please type the internet address above into a web browser or locate the link on the Rosedale website (www.rrbwsd.com) and follow the prompts to create an account.

On the attached page, all of the parcels included within your Initial Farming Unit that will be used to implement the Rosedale Water Charge in 2026 are shown. These are all of the parcels on the Tax Roll that are registered in the "Farming Unit Name" that is listed at the top of the form. If you own (or control) other parcels in a different name from the Farming Unit Name shown within the platform or on the Kern County Tax Roll and would like those parcels included in your Farming Unit for 2026, you may add those parcels to your Farming Unit by listing those parcels under the "Other Parcels Owned/Controlled by the Farming Unit" form and signing the certification below that section.

You may also add other parcels that you do not own to your farming unit by agreement with the owner of those parcels. If you have made such arrangements with other landowner(s), you may add their parcels to your Farming Unit for 2026 by listing the landowner's name and applicable APNs under the "Other Parcels Not Owned by the Farming Unit" heading below. Rosedale will require that you and the owner of those parcels sign this form below and agree to indemnify the District from any claims or damages arising from the listing of those other parcels on this form.

For more information on the Water Charge and the Water Charge Policy, please visit the District's website at www.rrbwsd.com. Please return your completed form to Trent Taylor at Rosedale if you need to make additions to your Farming Unit for 2026. You may return the completed form by electronic mail (ttaylor@rrbwsd.com) or by mail to 849 Allen Road, Bakersfield, CA 93314. You may also contact Mr. Taylor for assistance with this form by phone at (661) 589-6045.

ROSEDALE-RIO BRAVO
WATER STORAGE DISTRICT

FARMING UNIT DECLARATION FORM

Water Charge/Calendar Year: 2026

Farming Unit Name: _____

Initial Farming Unit APN(s)[1]

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

[1] Initial Farming Units were established utilizing the Kern County Tax Roll and are shown within the Rosedale Water Budget Accounting Platform (www.waterbudget.rrbwsd.com). Add additional parcels below this footnote if necessary. You are not required to take any further action if the above list is complete, and you do not intend to add any other parcels to your Farming Unit at this time.

ROSEDALE-RIO BRAVO
WATER STORAGE DISTRICT

Other Parcels Owned/Controlled by the Farming Unit [2]

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

[2]Use this section if you desire to include other parcels within your Farming Unit that you own or control in a name that is different from the Farming Unit Name shown at the top of this form. Please list the APNs for such parcels above and sign the certification below.

CERTIFICATION:

I hereby certify that I own or control the "Other Parcels" listed above, or have been duly authorized by the owner of such parcels to sign this form with those parcels listed. These parcels shall be included within the above-named Farming Unit for purposes of calculating the supply and use of the Farming Unit in determining the amount of the Water Charge due to Rosedale, if any, for 2026. These parcels will also be removed from any other Farming Unit. I agree on behalf of myself and the owner of such parcels, to defend, indemnify and hold harmless Rosedale from and against any and all claims and causes of action made against Rosedale as a result of the listing of such parcels on this form and/or the inclusion of such parcels within the Farming Unit listed above.

_____ By:_____

Printed Name (Signature/Title)

ROSEDALE-RIO BRAVO
WATER STORAGE DISTRICT

Other Parcels Not Owned by the Farming Unit [3]

_____ _____
Farming Unit Name Name of Landowner of APN(s) listed Below

_____ _____ _____ _____

_____ _____ _____ _____

_____ _____ _____ _____

[3]Use this section if you have made arrangements with other landowner(s) to add their parcels to your Farming Unit. Please write in your Farming Unit name and the name of the landowner whose APNs that will be added to your Farming Unit, and then list the APN(s) that will be added to your Farming Unit. Both landowners are required to sign the certification on this page. You may use separate copies of this form for each landowner who owns land that will be included within your Farming Unit.

CERTIFICATION:

I hereby certify that I own or control the APN(s) listed above, or have been duly authorized by the owner of such parcels to sign this form with those parcels listed. These parcels shall be included within the above-named Farming Unit for the purposes of calculating the supply and use of the Farming Unit in determining the amount of the Water Charge due to Rosedale, if any, for 2026. These parcels will also be removed from any other Farming Unit. I agree, on behalf of myself and the owner of such parcels, to defend, indemnify and hold harmless Rosedale from and against any and all claims and causes of action made against Rosedale as a result of the listing of such parcels on this form and/or the inclusion of such parcels within the Farming Unit listed above.

_____ Name/Title:_____
Signature of Landowner That
Owns the Above Listed APN(s) Date:_____

I hereby certify that I have made arrangements with the owner of the APN(s) listed above to have those parcel(s) included within the above-named Farming Unit for purposes of calculating the supply and use of the Farming Unit in determining the amount of the Water Charge due to Rosedale, if any, for 2026. I agree, on behalf of myself and my Farming Unit, to defend, indemnify and hold harmless Rosedale from and against any and all claims and causes of action made against Rosedale as a result of the listing of such parcels on this form and/or the inclusion of such parcels within the Farming Unit listed above.

_____ Name/Title: _____
Signature of Farming Unit Representative
that has made arrangements to add the APNs to
its Farming Unit Date:_____

ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT
GROUNDWATER SUSTAINABILITY AGENCY

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(661)589-6045
www.rrbwsd.com

March 31, 2026

To: Stakeholder Advisory Group
Rosedale-Rio Bravo Water Storage District
Agenda Item: 3d

From: Dan Bartel

Re: KSB-3: Exceedance policy

Discussion:

P/MA Number	P/MA Name	Summary Description	Relevant Sustainability Indicators Affected		
			Groundwater Levels & Storage	Groundwater Quality	Land Subsidence
Projects		**Implemented** / **Functional** / **In-Process**	**As-Needed**		
KSB-3	**Exceedance Policy**	Subbasin-wide policy to outline what measures are taken if an MT is exceeded (levels, quality, or subsidence). This policy involves the implementation of action plans and notifications to beneficial users.	✓	✓	✓

ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT
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March 31, 2026

To: Stakeholder Advisory Group
Rosedale-Rio Bravo Water Storage District
Agenda Item: 3e

From: Trent Taylor

Re: KSB-5: Well Mitigation/SHE

Discussion:

P/MA Number	P/MA Name	Summary Description	Relevant Sustainability Indicators Affected		
			Groundwater Levels & Storage	Groundwater Quality	Land Subsidence
Projects		**Implemented** / **Functional** / **In-Process**		**As-Needed**	
KSB-5	**Well Mitigation Program**	Implementation of a well mitigation program to address water level and quality impacts on drinking water. The program provides emergency bottled water, well assessments, hauled water, and well improvements or replacements.	✓		

ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT
GROUNDWATER SUSTAINABILITY AGENCY

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March 31, 2026

To: Stakeholder Advisory Group
Rosedale-Rio Bravo Water Storage District
Agenda Item: 3f

From: Rachelle Echeverria

Re: KSB-7: Well Registry

Discussion:

P/MA Number	P/MA Name	Summary Description	Relevant Sustainability Indicators Affected		
			Groundwater Levels & Storage	Groundwater Quality	Land Subsidence
Projects		**Implemented** / **Functional** / **In-Process**		**As-Needed**	
KSB-7	**Well Registry**	An ongoing effort to update and maintain the Subbasin well inventory and translate it into a well registry. Information will be updated and housed within the Subbasin data management system.	✓	✓	✓

In an effort to update the well registry, RRBWSD staff is collecting information from domestic well owners in our area. This effort will help us better understand which wells may be at risk during future droughts and connect residents with potential resources.

If you own a domestic well, please take a few minutes to complete our short survey. Your participation will also make you eligible for free groundwater level monitoring to help track the condition of your well. You can access the survey and flyer using the following link: RRBWSD GSA Domestic Well Survey

ATTENTION DOMESTIC WELL OWNERS

Help Us Help You—Protect Your Well from a Future Drought!

The Rosedale-Rio Bravo Water Storage District is collecting information on domestic wells in our area to **identify which wells may be at risk from drought** and require proactive water management.

Why provide your well information?

- **Ensure Your Well is Counted** – Help us better understand how many homes depend on domestic wells in our region.
- **Early Risk Detection** – Identify if your well could be at risk from declining groundwater levels in times of drought.
- **Access to Future Resources** – Stay informed about potential funding or assistance programs for domestic well owners.

WHAT'S IN IT FOR YOU?

Free Groundwater Level Monitoring for Participants!

Submit your well information, and we will provide free groundwater level monitoring to help you assess your well's health.

How to submit your well information?

Scan the QR code or visit https://arcg.is/15109q0 to fill out a short form. Just answer to the best of your ability—every response makes a difference!

Need Help?

We're happy to assist! Call **(661) 589-6045** or email **admin@rrbwsd.com** to schedule an in-person appointment with one of our District representatives.

We're not here to sell you anything. We're your local water district, working to ensure safe, reliable water for our community.

ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT

Rosedale-Rio Bravo Water Storage District
849 Allen Road
Bakersfield, CA 93314

ATENCIÓN PROPIETARIOS DE POZOS DOMÉSTICOS

¡Ayúdenos a ayudarle—Proteja su pozo de una futura sequía!

El Distrito de Almacenamiento de Agua Rosedale-Rio Bravo está recopilando información sobre pozos domésticos en nuestra área para identificar cuáles podrían estar en riesgo por la sequía y requieren manejo proactivo del agua.

¿Por qué proporcionar la información de su pozo?

- **Asegure que su pozo sea contado** – Ayúdenos a entender mejor cuántas casas dependen de pozos domésticos en nuestra región.
- **Detección temprana de riesgos** – Identifique si su pozo podría estar en riesgo debido a la disminución de los niveles de agua subterránea en tiempos de sequía.
- **Acceso a recursos futuros** – Manténgase informado sobre posibles programas de financiamiento o asistencia para propietarios de pozos domésticos.

¿QUÉ GANA USTED?

¡Monitoreo gratuito del nivel del agua subterránea para los participantes! Envíe la información de su pozo y le proporcionaremos monitoreo gratuito del nivel del agua subterránea para ayudarle a evaluar la salud de su pozo.

¿Cómo enviar la información de su pozo?

Escanee el código QR o visite https://arcg.is/15109q0 para llenar un formulario corto. Solo responda lo mejor que pueda—¡cada respuesta hace la diferencia!

¿Necesita ayuda?

¡Con gusto le ayudamos! Llame al **(661) 589-6045** o envíe un correo a **admin@rrbwsd.com** para agendar una cita en persona con uno de nuestros representantes del Distrito.

No estamos aquí para venderle nada. Somos su distrito de agua local, trabajando para garantizar agua segura y confiable para nuestra comunidad.

ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT

Rosedale-Rio Bravo Water Storage District
849 Allen Road
Bakersfield, CA 93314

WY 2025 Annual Report

5-022.14 KERN COUNTY

Rosedale-Rio Bravo Water Storage District GSA

Instructions for the GSA/MA Progress Summary are based on the Guide to Annual Reports, Periodic Evaluations, and Plan Amendments publication issued by DWR in October 2023. Progress Summary should describe activities for the Water Year from October through September, except where noted.

Summary

As a **Kern County Subbasin member**, Rosedale-Rio Bravo Water Storage District GSA (RRBWSD) adopted a new Groundwater Sustainability Plan (GSP) in August of 2025. During 2023 Rosedale-Rio Bravo Water Storage District formed a RRBWSD GSA and expended much effort in preparing an updated Subbasin-wide GSP with all the other GSA's in collaboration with the SWRCB. A draft GSP was distributed to the public and SWRCB for comment in June 2025. The GSP described Rosedale's planned projects and management actions focused on reducing its projected deficit of 9,850 AFY through demand reduction and water supply augmentation.

1) Compliance with Groundwater Levels Sustainable Management Criteria (SMC)

The RRBWSD GSA maintains a comprehensive network of 19 representative monitor wells. The wells are a combination of agricultural, domestic, and dedicated monitor wells of known well construction and offer reliable long-term data.

a) Compliance with SMC

Groundwater elevations were measured below (exceeded) their minimum thresholds at 0 of the 19 RMW-WLs within the RRBWSD GSA during the Fall 2024 monitoring event. 9 RMW-WLs were between the minimum threshold and measurable objective, and the remaining 10 RMW-WLs were measured above their measurable objectives.

Groundwater elevations were measured below (exceeded) their minimum thresholds at 0 of the 19 RMW-WLs within the RRBWSD GSA during the Spring 2025 monitoring event. 8 RMW-WLs were measured between the minimum threshold and measurable objective, and the remaining 11 RMW-WLs were measured above their measurable objectives.

b) SMC Monitoring Activities

Consistent with the Subbasin's Groundwater Level Sampling SOP, water level measurements were collected from 19 of the GSA's designated 19 RMW-WLs in Fall 2024 and from 19 of the GSA's designated 19 RMW-WLs in Spring 2025.

c) Assessment of Potential Impacts to Beneficial Users

There were no mitigation applications submitted for dry wells within the RRBWSD GSA during WY 2025.

2) Compliance with Additional Sustainable Management Criteria

The relationship between groundwater levels, quality, and subsidence are monitored across the Subbasin, as described in Section 7 Current Conditions of Sustainability Indicators. During WY 2025, no MT Exceedances occurred within the RRBWSD GSA

a) Water Quality

The GSP established Sustainable Management Criteria (SMCs) for six water-quality constituents of concern. In accordance with the Subbasin's Water Quality Sampling SOP, samples were collected from three of the RRBWSD GSA's four designated RMW-WQ sites. WY 2025 results indicate that groundwater quality within the RRBWSD GSA is not degrading. One representative well, however, showed exceedances of the MCL for 1,2,3-TCP. Because the well's depth and perforation interval do not align with State Board Staff domestic well data gaps analysis, the RRBWSD GSA plans to replace it with a nearby alternate well for future monitoring and to fill a Subbasin-defined water-quality data gap.

A second representative private well was not directly sampled by the RRBWSD GSA this year, but water-quality data were obtained through GAMA, the State Water Resources Control Board's Groundwater Ambient Monitoring and Assessment Program, which provides publicly accessible groundwater quality data. Since GAMA data does not appear on a schedule aligned with the Kern Subbasin's sampling cycle, the RRBWSD GSA has confirmed with the well owner that results for all six constituents of concern will be provided directly to the RRBWSD GSA beginning in spring and fall 2026. All remaining RMW-WQ sites within the RRBWSD GSA were sampled by the Kern Fan Monitoring Committee, and results were entered into the Kern Subbasin Data Management System (DMS).

b) Subsidence

WY 2025 Subbasin-wide conditions and progress for subsidence is provided in Section 7, Current Conditions for Sustainability Indicators and Section 9, Progress on Subbasin-Wide Coordination. No specific RRBWSD GSA activities other than coordination with Subbasin-wide activities occurred in WY 2025.

c) Interconnected Surface Water

Subbasin-wide analysis determined that the vast majority of surface water features in the Kern Subbasin are not connected to groundwater. Subsequently, the RRBWSD GSA is not independently taking any actions specific to the sustainability indicator.

3) Implementation of Projects and Management Actions (PMAs)

The RRBWSD GSA in the adopted 2025 GSP revised several projects and management programs identified in previous GSP's to more accurately address current conditions and has made significant progress towards implementation as summarized by the following:

RRB-1 Stockdale East Storage and Recovery Project: This project was fully completed in 2019 in anticipation of SGMA implantation goals. The 200-acre project west of Bakersfield fallowed active farming and was converted into a conjunctive-use project. The land retirement of the project has yielded 520 AFY in demand reduction and since 2020 the District recharged 12,855 AF to offset GSA demands.

RRB-2 McCaslin Recharge Improvements Project: This project was added in 2019 as an adaptive management action and includes a 195-acre project west of Bakersfield to recharge, store, and recover water. RRBWSD completed relevant environmental analysis and applied for grant funding. Subsequent addenda to a previous conjunctive-use EIR were adopted. WaterSmart grants were awarded in 2020 and 2021 towards development and construction. Almond trees were removed from the property in 2021, construction of recharge ponds and intake was completed in 2022, and approximately 17,700 AF was spread in 2023 that otherwise would not have been stored. The construction of two Conjunctive-Use banking wells and recovery pipelines were under construction in 2024.

RRB-3 McCaslin/Dillard Recharge Improvements Project: During 2024 two nearby properties currently used for agricultural purposes came up for sale totally approximately 155 acres. RRBWSD acquired both properties and removed the crops and is developing the necessary environmental documents to convert them into groundwater recharge areas.

RRB-4 Kern Fan Groundwater Storage Project Phase 1: This project would develop a regional water bank in the Kern Fan area to store State Water Project (SWP) Article 21 water when surface water is abundant. The Kern Fan Project's feasibility analysis was completed in March 2020 and a FEIR was certified in December 2020. RRBWSD has commenced permitting and design efforts, now having acquired 350 acres of property for new recharge and recovery. Recharge ponds and control structures were constructed on all 350 acres in 2024-2025.

RRB-5 Onyx Ranch Project: This project is connected to RRBWSD-owned lands and water rights in the Kern River Valley. The project involves a change in the point of diversion that would bring water supplies to the Kern Subbasin. A Draft EIR was circulated, and the FEIR was certified in January 2021. During 2023 approximately 6,114 AF was delivered for groundwater storage in the Kern Subbasin. Unfortunately, in 2024 due to legal action the project was paused and irrigation resumed in the Kern River Valley. In 2025 the project cleared legal challenges and resumed operation and brought 631 AF to the Subbasin.

The RRBWSD GSA made progress toward implementing several of its planned GSP Management Actions as summarized by the following:

RRB-13 White Land Water Budget/Demand Imbalance Reduction: This action has been implemented for demand reduction on a linear basis over the planning period of 2020-2040. It is expected that Rosedale-Rio Bravo White Lands would seek to acquire water supplies for in lieu and direct groundwater recharge via banking agreements with RRBWSD, or others to offset demands. A web-based water budget platform was completed in 2020 to allow users to begin tracking water usage for initial 2020-2024 reduction requirements. Landowners are being regularly updated as to their demands and remaining balances requiring balance by the end of 2024. **Eleven out of the thirteen** landowners are within their allocated supply. The GSA is discussing an imbalance penalty charge to better enforce lapses in milestone achievement.

RRB-14 District Land Water Budget/Water Charge Demand Reduction: This action imposes a water charge on District landowners for the use of water over native yield, precipitation, and project water supplies. A web-based 5 WY 2023 Annual Report KERN COUNTY SUBBASIN water budget platform was completed in 2020 and real-time evapotranspiration (ET) data incorporation commenced in 2021 allowing users the ability to track their water usage for background information. RRBWSD Board approved water charge implementation in late 2023 starting in the 2024 calendar year and assessed $95/AF to incentivize water conservation and project financing. The initial 2024 water charges were collected in 2nd quarter 2025 and the Board set a rate at $145/AF for 2026.

RRB-15 Conversion of Ag Land to Urban: The City of Bakersfield continues to develop in a westerly direction creating the reality of converting land from agricultural uses to urban. With it the net demand per acre is expected to decrease by 1.5 AF/Acre/yr. From 2020 to 2025 approximately 166 acres was converted resulting in a net savings of 249 AFY.

4) Coordination with Stakeholders

In addition to Subbasin-wide outreach and engagement activities, RRBWSD GSA routinely communicates GSA-specific information to its landowners, stakeholders, and other interested parties via:

- Monthly District board meetings (second Tuesday of each month).
- RRBWSD GSA bi-monthly stakeholder meetings, both in person and via Zoom (fourth Tuesday every other month).
- Rosedale Recap bi-monthly newsletters (via email, board/stakeholder packets, and LinkedIn).

5) Summary of Other GSP-related Special Studies or Activities

RRBWSD GSA is actively participating in the Subbasin-wide efforts described in Section 9, Progress on Subbasin-wide Coordination on GSP Implementation. The GSA is currently working to fill two Subbasin-defined water-quality data gaps and to verify wells included in the Subbasin's well inventory. In addition, RRBWSD GSA staff are collecting and field-verifying domestic well locations within the GSA boundary using an online GIS-based survey tool (survey link here)

KERN NON-DISTRICTED LAND AUTHORITY

(FORMERLY KERN GROUNDWATER AUTHORITY)

3200 Rio Mirada Drive, Bakersfield, CA 93308
Meeting of the Board of Directors
March 23, 2026, 2:00 p.m.

To virtually attend the meeting and to be able to view any presentations or additional materials provided at the meeting, please join online using the link and information below:
https://us02web.zoom.us/j/87916828311?pwd=MXovFd9w4IFdX8AnOTJBUbbKBagIaC.1
Telephone Dial-in: (669) 900-6833
Meeting ID: 879 1682 8311
Password: 795650

KERN NON-DISTRICTED LAND AUTHORITY BOARD OF DIRECTORS AGENDA

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

1. **Roll Call- Quorum Determination.**
   In the absence of a quorum, the Board will handle only those items not needing a quorum.

2. **Flag Salute**

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

4. **Approval of Minutes**
   a. *February 23, 2026

5. **Financial Report**
   a. *Accounts Payables
   b. *Subbasin Cost Share Agreement

6. **Administration**
   a. Executive Director Report
   b. Demand Management Update

7. **DWR Grant Administration**
   a. Report on Grant Administration (Jason)

8. **County of Kern Participation**
   a. Kern County Participation Ad Hoc Committee Report (Royce)

9. **Legal (Valerie)**
   a. Statewide Update

10. **New Business**

11. **Correspondence**

12. **Closed Session**

13. **Adjournment**

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

View this email in your browser

February 2026 Rosedale Recap!

February 10, 2026, Board Meeting Update

The District convenes on the second Tuesday of every month at 8 AM. We encourage public participation and value your input during these Board meetings. To review our most recent Board Packet, please click the button below.

FEB 10 2026

BOARD OF DIRECTORS MEETING
&
RRBWSD GSA STAKEHOLDER MEETING

8:00 AM

View the Meeting Packet

NEW! LandIQ Daily Field-Level ET Tool

The District has partnered with LandIQ to provide growers with access to a daily water demand tool. This platform enables landowners to view real-time, field-level data to support irrigation planning and on-farm water management decisions.
While this tool is not part of the formal Water Accounting Platform, it is offered as an additional resource to assist with operational planning. **Use of this tool is entirely optional and is not associated with the District's Water Charge, billing, or invoices.**

Grower Workshops

RRBWSD and LandIQ will host two 1.5-hour workshops designed to help growers learn how to access and use the new platform:

📅 **March 11 | 1:00 – 2:30 PM**
📅 **March 16 | 1:00 – 2:30 PM**

Workshops may be attended online via Microsoft Teams or in person at the District office. Growers will receive an email directly from LandIQ with instructions on how to set up their Daily ET Tool account. Meeting links are also provided below.

Questions?
📞 (661) 589-6045
✉ admin@rrbwsd.com

MAR 11 2026

GROWER WORKSHOP - DAILY IRRIGATION MANAGEMENT TOOL

1-2:30 PM

Microsoft Teams meeting
Join: https://teams.microsoft.com/meet/240236359811 40?p=6NwjBTL3XIaXbYfce6
Meeting ID: 240 236 359 811 40
Passcode: jK7W2JQ2

MAR 16 2026

GROWER WORKSHOP - DAILY IRRIGATION MANAGEMENT TOOL

1-2:30 PM

Microsoft Teams meeting
Join: https://teams.microsoft.com/meet/29038862312481?p=W6NEcOcqEACFIaANyC
Meeting ID: 290 388 623 124 81
Passcode: MN2En6wv

NEW! Water Accounting Platform Update

Coming soon! Rosedale is upgrading the District's Water Accounting Platform. The new system will offer improved usability, clearer navigation, and field-level viewing, making it easier for both staff and landowners to track supply, usage, and fees. The updated platform will also include improved annual statements and mapping tools.

Water Charge Updates

Reminder! Landowners are to submit any necessary forms by March 15, 2026!

Farming Unit Form:

Farming Units are used within the Water Accounting Platform to track groundwater use and available supply. Initial units were created using the Kern County Tax Roll. Submit this form if you need to add parcels you own or control.

Complete Farming Unit Form

Landowner Water Exchange Form:

Landowners may use this form to share contact information and interest in Project Water Supply or Farming Unit exchanges. Agreements must be made directly between landowners. The District will require confirmation from both parties.

Submit Exchange Form

Landowner Water Exchange Responses

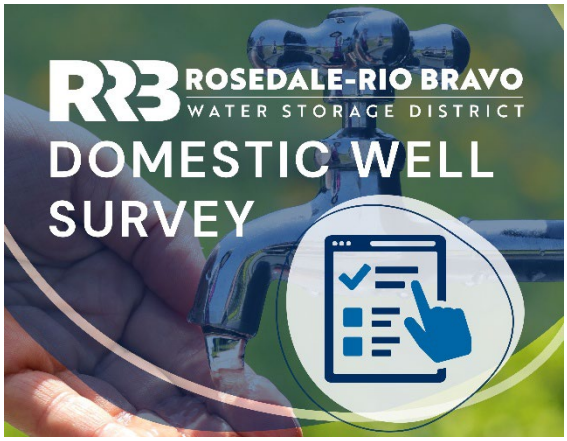
View current listings of available Project Water Supply exchanges and connect directly with participating landowners.

View Exchange Listings

Attention Domestic Well Owners!

We are collecting data from domestic well owners in our area. This effort will help us better understand which wells may be at risk during future droughts and connect residents with potential resources.

If you own a domestic well, please take a few minutes to complete our short survey. Your participation will also make you eligible for **free groundwater level monitoring** to help track the condition of your well. You can access the survey and informational flyer using the buttons.



Domestic Well Survey

Flyer (English & Spanish)

SGMA Progress Update

The Kern Subbasin is currently finalizing its 2025 Annual Report for submittal to the Department of Water Resources (DWR). GSAs are also conducting spring groundwater quality monitoring, including the collection of samples for testing and reporting. This data supports ongoing evaluation of groundwater quality trends and basin conditions.

In positive news, the State Water Resources Control Board has officially released the Kern Subbasin from probationary status, returning the basin to DWR jurisdiction. This action avoids potential state-imposed fees and penalties. On February 3, Subbasin representatives held an initial briefing with DWR staff, where plan highlights and implementation progress were well received.

Rosedale's 2025 deficit reduction target of 2,500 AFY was exceeded through a combination of projects and management actions, keeping the GSA on a strong path toward long-term sustainability.

Check out these helpful resources to find the water information you need!

Don't know which GSA you are in?
Use the button to access the Kern County GIS Map. View the **Layers** category, expand the **Water Resources** tab and select **Groundwater Sustainability Agencies**.

Kern County GIS

Interactive Map

KCS Kern County Subbasin
Groundwater Sustainability Agencies

Visit the Kern Subbasin GSA website for information about SGMA and our Groundwater Sustainability Plan (GSP).

Kern Subbasin Website

Don't forget: You can use the Kern Subbasin Data Management System (DMS) to access water data near you.

Explore the DMS

Need some help using the DMS? Check out our tutorial on using the DMS to find depth to water readings!

Have you lost access to drinking water? Please contact Self-Help Enterprises. Click the English or Spanish button for more information.

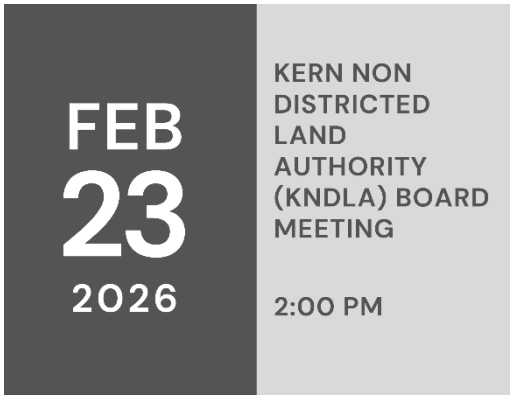
English

Spanish

Mark your calendars for important upcoming meetings!

Kern Non-Districted Land Authority (KNDLA) Board Meeting:

Monday, February 23, 2026, at 2:00 PM at the Kern County Water Agency's office and via Zoom.



RRBWSD Board & RRBWSD GSA Stakeholder Meeting:

Tuesday, March 10, 2026, at 8:00 AM at the RRBWSD office **(in person only)**.

RRBWSD GSA Stakeholder Meeting:

Tuesday, March 31, 2026, at 9:00 AM at the RRBWSD office and via Zoom.

Our mailing address is:
Rosedale-Rio Bravo Water Storage District
849 Allen Road Bakersfield, CA 93314

Want to change how you receive these emails?

View this email in your browser

ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT | LAND IQ

REMINDER!

LandIQ Irrigation Management Workshop
Tomorrow, March 11, 2026, at 1 PM

The District has partnered with LandIQ to provide growers with access to a daily water demand tool. This platform enables landowners to view real-time, field-level data to support irrigation planning and on-farm water management decisions.

While this tool is not part of the formal Water Accounting Platform, it is offered as an additional resource to assist with operational planning. **Use of this tool is entirely optional and is not associated with the District's Water Charge, billing, or invoices.**

Please view the YouTube user guide video and informational flyer below to learn more.

Attend Our Grower Workshops!

RRBWSD and LandIQ will host two 1.5-hour workshops designed to help growers learn how to access and use the new platform:

- **March 11 | 1:00 – 2:30 PM**
- **March 16 | 1:00 – 2:30 PM**

Workshops may be attended online via Microsoft Teams or in person at the District office.

Growers will receive an email directly from LandIQ with instructions on how to set up their Daily ET Tool account.

Important: Please complete your account setup prior to attending the workshop to ensure you are able to fully participate and get the most value from the training.

Questions?
(661) 589-6045
admin@rrbwsd.com

Meeting links are also provided below.

MAR 11 2026

GROWER WORKSHOP - DAILY IRRIGATION MANAGEMENT TOOL

1-2:30 PM

Microsoft Teams meeting
Join: https://teams.microsoft.com/meet/240236359811 40?p=6NwjBTL3XIaXbYfce6
Meeting ID: 240 236 359 811 40
Passcode: jK7W2JQ2

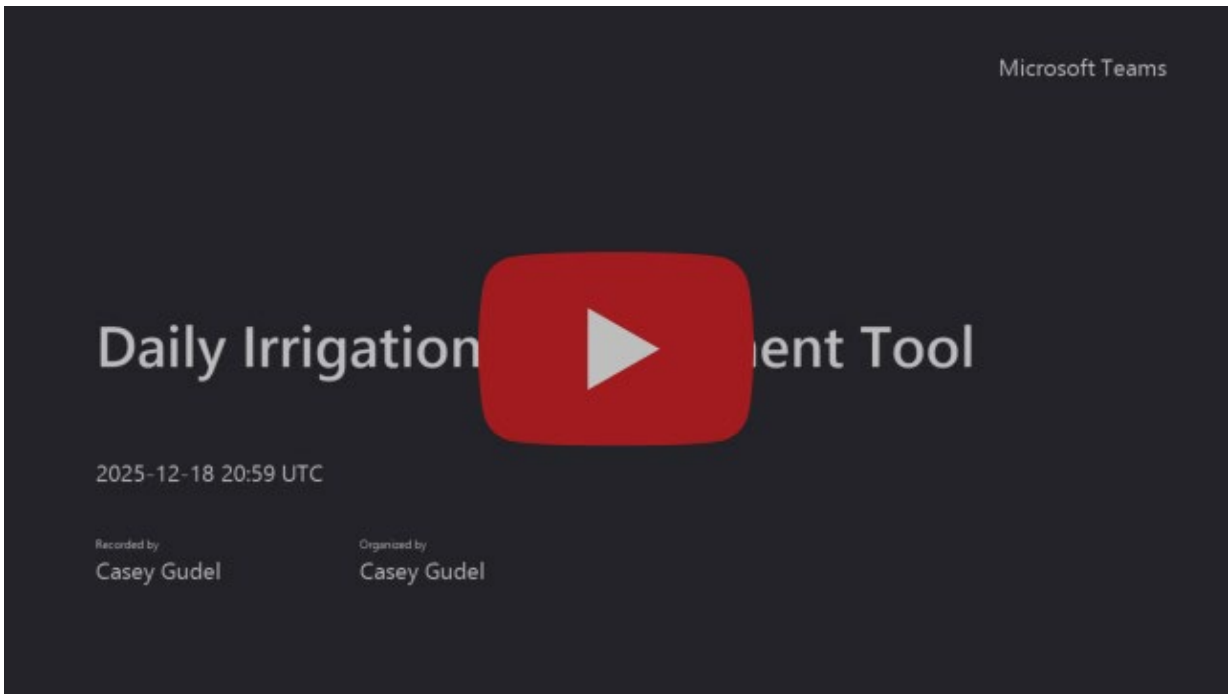
MAR 16 2026

GROWER WORKSHOP - DAILY IRRIGATION MANAGEMENT TOOL

1-2:30 PM

Microsoft Teams meeting
Join: https://teams.microsoft.com/meet/29038862312481?p=W6NEcOcqEACFIaANyC
Meeting ID: 290 388 623 124 81
Passcode: MN2En6wv

Daily ET & Irrigation Management Tool Flyer



BUILDING A SUSTAINABLE WATER SUPPLY TO HELP OUR COMMUNITY THRIVE

Our mailing address is:
Rosedale-Rio Bravo Water Storage District
849 Allen Road
Bakersfield, CA 93314

January 01, 2025 - December 31, 2025

Water Account #: 45001

Statement date: February 25, 2026

Water Account #	Zone	Supply (AC-FT/AC)	Usage		Balance	
			(AC-FT)	(AC-FT/AC)	(AC-FT)	(AC-FT/AC)
45001	Zone 3	2.65	234.97	1.44	196.53	1.21

Supply (Total Groundwater Supply): The Demo Geography set an annual groundwater allocation as an example.

Usage (Total Groundwater Usage): The amount of groundwater consumed. This value is calculated by subtracting OpenET Precipication from OpenET Evapotranspiration

AF/AC: Acre-feet/acre; **AF:** Acre-feet

About This Usage Statement

Dear Groundwater User,
We hope this letter finds you well. As part of our ongoing efforts to ensure sustainable groundwater management, we are writing to inform you about an important update regarding groundwater usage in our basin.

In compliance with the Sustainable Groundwater Management Act (SGMA), our local groundwater agency is implementing a new allocation policy. This policy is designed to manage and protect our groundwater resources effectively. Each user will be allocated a specific amount of groundwater they can use annually.

To ensure compliance and fair distribution, we will be measuring groundwater usage through satellite-based Evapotranspiration measurements and regular reporting. This data will help us monitor usage patterns and make informed decisions to maintain the health of our groundwater basin. We are providing the Groundwater Accounting Platform as a tool to view measurements of water use on your parcels and understand how the policy impacts your operation.

We appreciate your cooperation and understanding as we work together to secure our water future. If you have any questions or need further information, please do not hesitate to contact us

GROUNDWATER ACCOUNTING PLATFORM

Demo Geography
123 demo street
Sacramento, CA, 94204

OAK GROVE FARMS
1717 EMERALD COURT
BAKERSFIELD, CA93309

This is not a bill.

This is a record of your groundwater usage for your water accounts within the Demo Geography boundaries.

Water Account Number: 45001

GROUNDWATER ACCOUNTING PLATFORM

Demo Geography

Water Account Number:

45001

Account Contact
Oak Grove Farms
1717 Emerald Court

Location Information

Zone

Zone 3

Parcel Area	Usage Area
162.83	162.83

Parcels (1)

555-115-20

Usage Locations (1)

Irrigated Agricultural Lands 162.83 ac (1)

Groundwater Supply

Supply Type	Starting Allocation (AC-FT/AC)	Usage (AC-FT/AC)	Remaining Balance (AC-FT/AC)	Rate ($/AC-FT)	Fee ($)
Native Yield	1.40	1.40	0.00	-	-
Pumping Allowance	1.25	0.04	1.21	138.61	972.00

Supply (Total Groundwater Supply): The Demo Geography set an annual groundwater allocation as an example.

Usage (Total Groundwater Usage): The amount of groundwater consumed. This value is calculated by subtracting OpenET Precipication from OpenET Evapotranspiration

AF/AC: Acre-feet/acre; **AF:** Acre-feet

Have Questions?

Request Support from Platform Adminstrators here: https://groundwateraccounting.org/request-support

GROUNDWATER ACCOUNTING PLATFORM

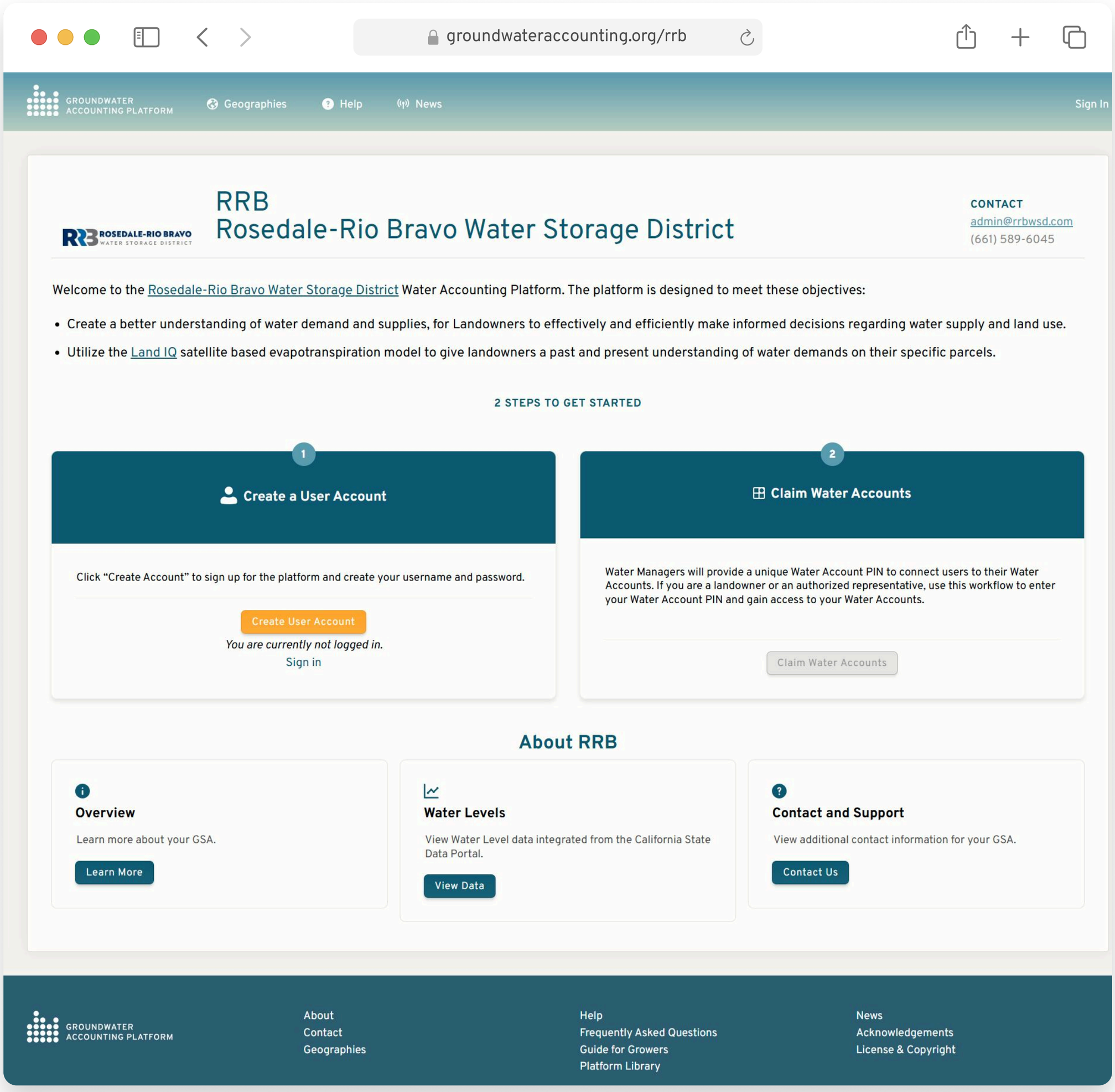
For more information about your Water Accounts, log into the Groundwater Accounting Platform:
https://groundwateraccountingplatform.org/Demo Geography

Your pin to claim access to Water Account 45001 is:

GNN-308

Groundwater Accounting Platform

The Groundwater Accounting Platform enables water managers, landowners, and water users across California to track water availability and use in near real-time.



Need Help? Contact RRB WSD

admin@rrbwsd.com

ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT

GROUNDWATER ACCOUNTING PLATFORM

groundwateraccounting.org/rrb

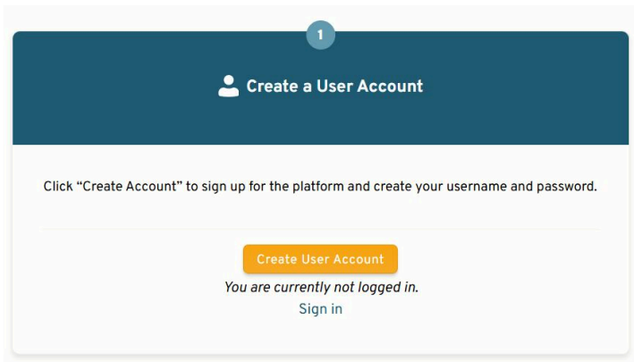
Getting Started

To get up and running with a new User Account on the Groundwater Accounting Platform, you need to follow two steps:

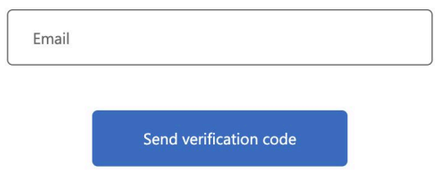
1 Create a User Account 2 Review Water Accounts

1 Create a User Account

1.a Navigate to **groundwateraccounting.org/rrb**, and click “Create an Account” on the homepage.



1.b **Email Confirmation:** Enter your email address and click “Send Verification Code”

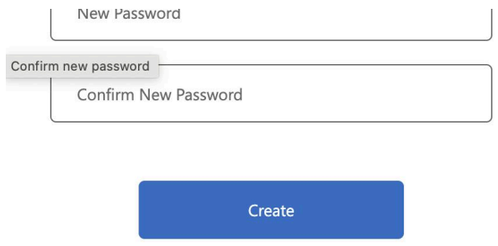


> ***If you sign up with the same email address you previously used for the earlier version of the RRB Accounting Tool then your water accounts are pre-configured***

1.c Retrieve verification code from your inbox and input it into the “Verification Code” field . This code is used for two-factor authentication, meant to confirm your identity.

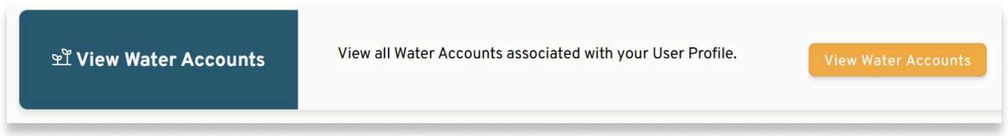
1.d **Create Profile:** Fill in First and Last Name, and create a new password.

1.e Click “Create” button



2 Review Water Accounts

2.a From the homepage click “View Water Accounts” to go to your Water Dashboard



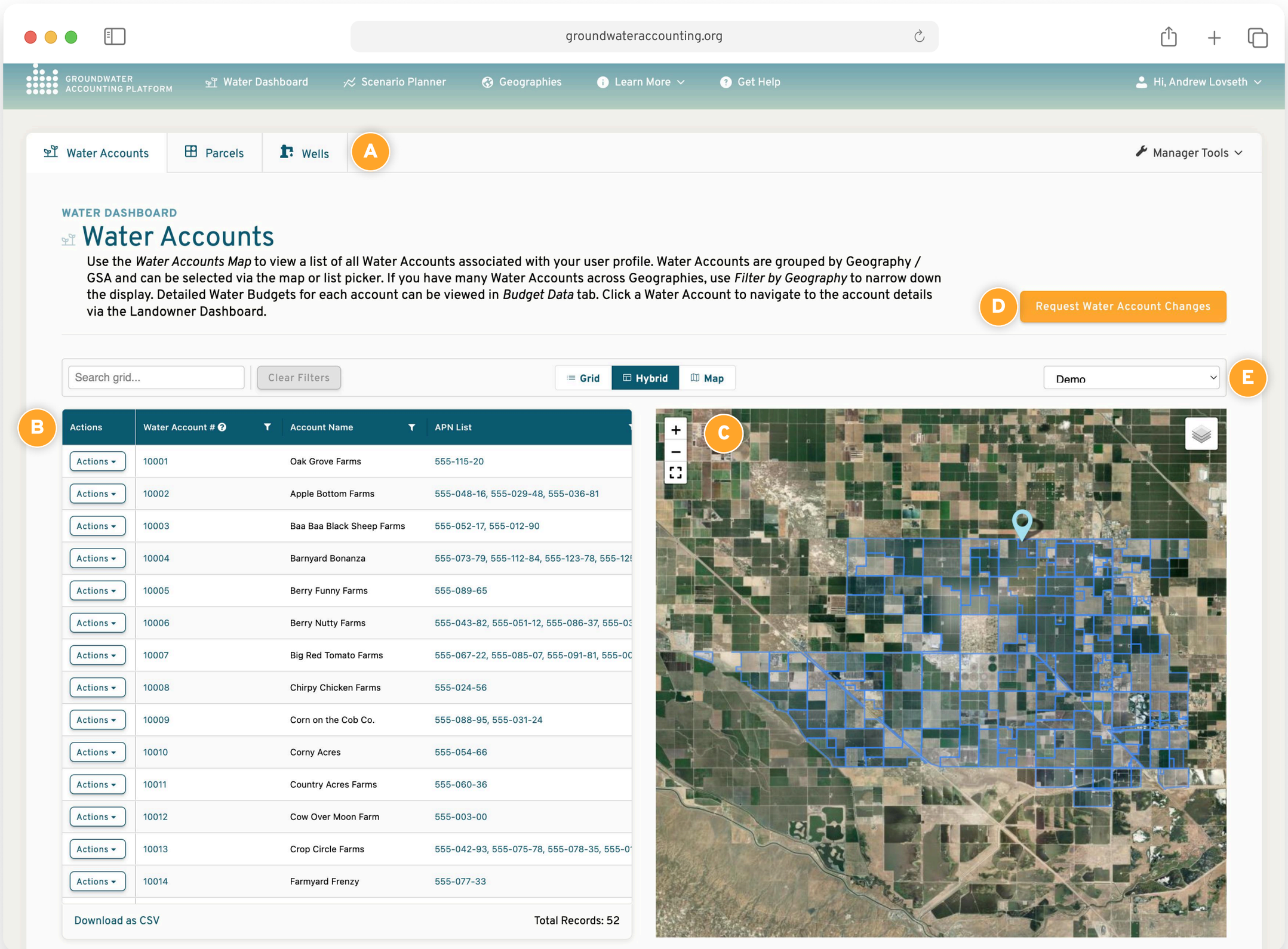
2.b Water Accounts have been pre-assigned to your user account via your email address from the earlier version of the ***RRB Accounting Tool*** . If any Water Accounts are missing, please contact RRB Water Managers for assistance.

Need Help? Contact RRB WSD

admin@rrbwsd.com

Water Dashboard

The Water Dashboard is the central hub for all of your water data. View your Water Accounts, Parcels, and Wells.



A **Water Dashboard Navigation:** Toggle between views of your Water Accounts, Parcels, and Wells.

B **List of Water Accounts:** View a list of all of your Water Accounts. Click the “Details” link on any of the accounts to view the Water Budget.

C **Map of Water Accounts:** View on map the outlines of all your Parcels and Water Accounts. Click on a shape to get a quick view of that Water Account’s details.

D **Request Water Account Changes:** Parcels are initially grouped into Water Accounts based on common ownership records. Please contact the district to request specific changes.

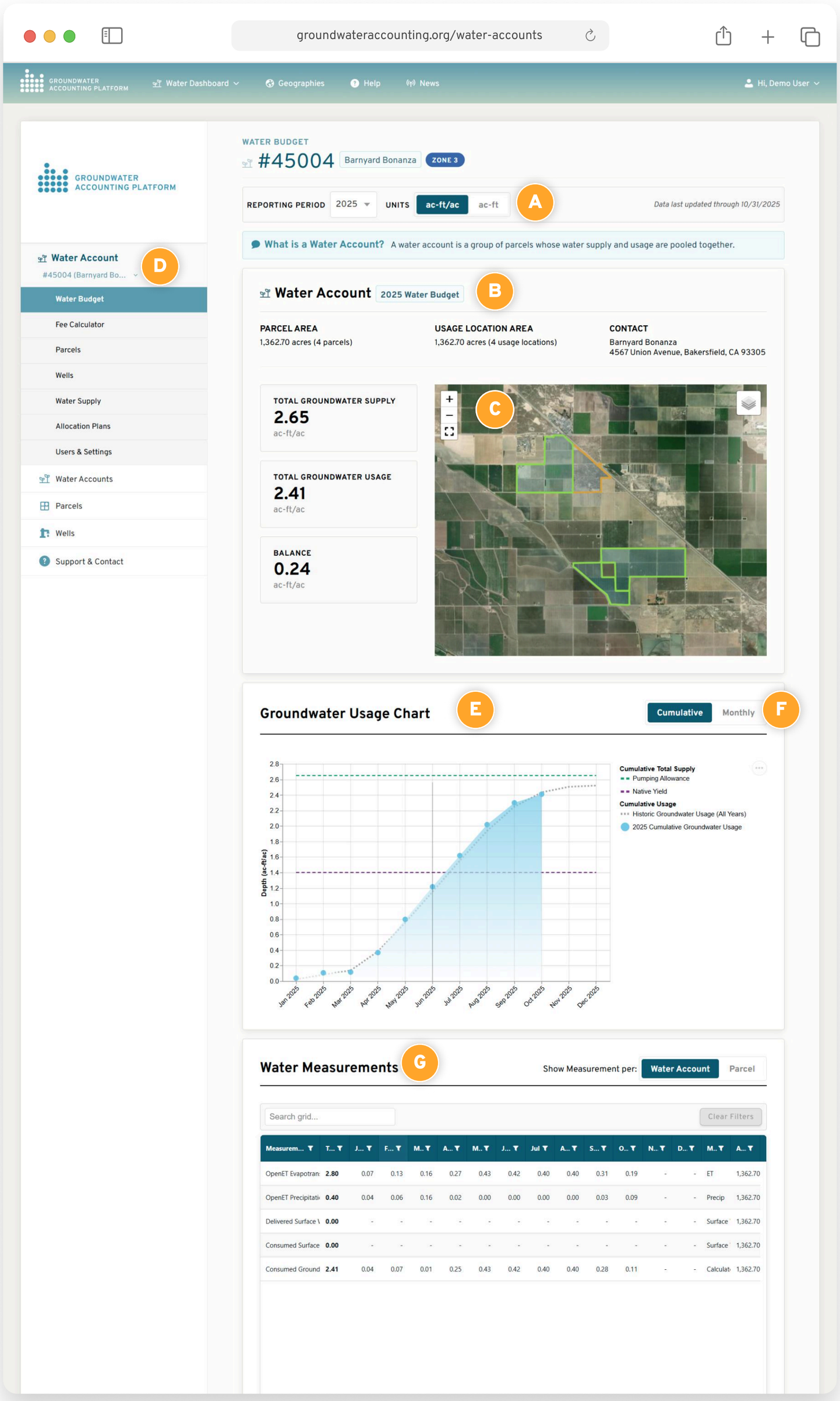
E **Filter by Geography:** When you have Water Accounts across multiple geographies, you can use this filter to narrow your view to a single geography.

Need Help? Contact RRB WSD

admin@rrbwsd.com

Water Budget

The Water Budget tab is the most up-to-date, at-a-glance view of your supply and usage data.



A **Display Options:** Choose which year and period of data to display, as well as whether to show data in depth or volume.

B **Budget Overview:** View the top-line numbers for “Total Usage”, “Total Supply”, and “Balance” for the current period.

C **Parcel Map:** View on a map the parcel boundaries of the APNs contained in your Water Account.

D **Select a Water Account:** Choose which of your Water Accounts to view.

E **Cumulative Water Usage Chart:** Cumulative water use is displayed over time for the period. A red bar indicates the supply limit.

F **Monthly Water Usage Chart:** Toggle to view a month-by-month view of water use in a bar chart.

G **Water Measurements:** Detailed report of the period’s monthly water use by water account or parcel

H **Annual Usage Meter :** The annual usage meter gives a quick overview of the period’s usage progress. *(not pictured)*

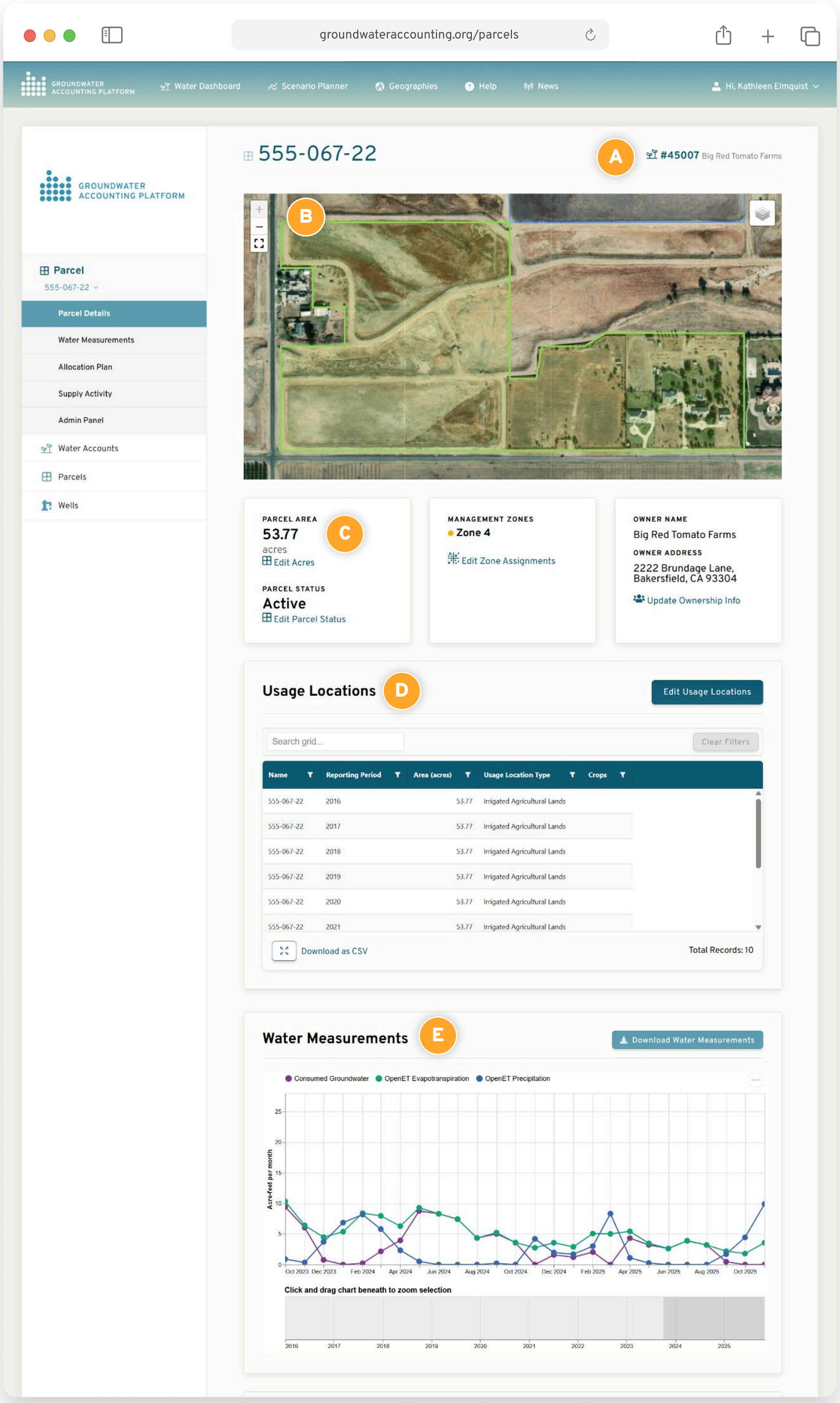
I **Supply:** View a list of water supply sources and the amount given for each. *(not pictured)*

Need Help? Contact RRB WSD

admin@rrbwsd.com

Parcel Detail

The Parcel Detail page provides water usage estimates for the parcel, in addition to other relevant data and information.



A **Water Account Link:** Navigate directly to the Water Account that the Parcel belongs to.

B **Parcel Map:** View the boundaries on the Parcel on a map.

C **Parcel Meta Data:** View information about the Parcel's area, zones, and ownership.

D **Usage Locations:** A parcel can be divided into usage locations (e.g fields, facilities, etc) to track Water Use.

E **Water Measurements:** View water use estimates for water measurements on the Parcel. The Platform can support metered data, remote telemetry data, and satellite-based evapotranspiration data.

F **Allocation Plan:** For Geographies that have enabled Allocation Plans, this chart displays expected water supplies into the future. *(not pictured)*

Need Help? Contact RRB WSD

admin@rrbwsd.com

[The Groundwater Accounting Platform: a video walkthrough]